

FRE ZITE

We turn challenges into technological solutions for our customers.



Frezite transforme vos défis en solutions technologiques.

Dear reader,

For more than 35 years, FREZITE has been working in Cutting Solutions for wood and its derivatives, creating value in all the production chain, maximizing quality and opening new frontiers to their customer's process's.

Since the beginning, wherever we are, that Quality, Innovation and Commitment are part of our DNA as a business group. With our dedicated experience, we are certain that your process or specification will highly benefit from our know-how throughout the years.

We invite you to go through this complementary and systematic catalogue, knowing that not only it gathers the standards of an industry with long tradition, but also detailed and tailored products to each application you need with a solid and precise engineering perspective.

The path is a long one, but our goal is to develop and evolve with you to offer more! We count on You!

Cher lecteur,

Depuis plus de 35 ans, FREZITE développe des systèmes d'outil de coupe pour le bois et ses dérivés en créant de la valeur ajoutée, ce qui garantit la qualité des produits fabriqués, en créant des nouvelles possibilités, en somme, en valorisant l'activité de nos clients.

Depuis toujours Qualité, Innovation et Engagement font partie de notre état d'esprit d'entreprise, partout où nous nous trouvons. Avec une telle expérience accumulée nous sommes sûres que votre processus ou spécialité sera bénéficier et complètera notre savoir-faire accumulé au fil des années.

Nous vous invitons à consulter ce catalogue, qui rassemble les standards d'une industrie munie d'une longue tradition bien que des produits spécifiques et adaptés à chaque application avec une recherche solide et précise.

La course est longue, notre motivation est celle de vous servir, d'évolution et de développement à fin de pouvoir vous offrir les meilleures solutions technologiques. FREZITE compte sur vous!

Tiago Fernandes

José Manuel Fernandes

FREZITE®

FREZITE is an engineering company specializing in cutting solutions for the wood sector, plastics, composite materials and metals.

Founded in 1978, it has a vast experience in the design, development and production of cutting tools, where the customer is the full focus of all the organization and strategy of the company.

By supplying the highly competitive industrial market, it is with strength and sustainability that FREZITE has made its growth since its foundation. Such growth has led FREZITE to be, to date, with its products and technology, in more than 50 countries in all continents.

FREZITE est une société d'ingénierie spécialisée dans les outils de coupe dans les domaines du bois, matières plastiques, matériaux composites et les métaux.

Fondé en 1978, nous avons acquis une énorme expérience dans la conception, le développement et la production d'outils de coupe par enlèvement de copeaux, où le client a une participation très importante dans toute l'organisation et la stratégie de la Société.

C'est avec force et durabilité que FREZITE a fait sa croissance et est reconnu en tant que fournisseur sur le marché professionnel et industriel fortement concurrentiel. Depuis sa fondation et avec une telle croissance, FREZITE a été poussé à être présente, avec ses produits et sa technologie, dans plus de 50 pays et dans tous les continents.



Due to permanent innovation, FREZITE reserves the right to change and improve its products without previous notice.

Vis-à-vis l'innovation constante, FREZITE se réserve le droit d'améliorer et changer ses articles sans avertissement.

We create value for our customers

Nous créons de la valeur ajoutée pour nos clientes

R&D

On the conception of the tools, FREZITE applies its experience and market knowledge, in collaboration with its customers, to offer a standard program suitable for the wood industry's new processes and equipments. Alongside this vast standard program, studies and developments of special tools, from the smallest cutter to a complete line of CNC machinery tooling equipment, are made to provide the customer with the most professional and profitable solution.

QUALITY

FREZITE, certified company by APCER, Portuguese member of the international net IQNET (*The International Certification Network*), according with the standards ISO 9001, guaranties the total reliability on its products. FREZITE is proud to be one of the pioneer companies of the sector achieving the environmental certification, according to the ISO 14001 standard by APCER. FREZITE's main purpose is to supply services and products that can satisfy the needs and expectations of customers and users at competitive prices, transferring added value to our customers.

PRODUCTION

Our production relies on a team of highly skilled technicians, using the most recent CAD/CAM technologies for diagnosis, drawing and production, in multiple CNC environments. We have got the most modern industrial facilities, with high technology CNC machines, which assure the compliance with the different customer demands.

The Hard Metal as well as Polycrystalline Diamond tools available in our product range are produced and ground with latest generation equipment that assures the maximum performance for our customers.

PRODUCTS

FREZITE offers to its customers a wide range of standard and special products from circular saws blades, cutters, cutter heads and knives. The development of new products is assured by the R&D (research, development and innovation) department.





FREZITE®

CONCEPTION

Dans la conception des outils, FREZITE utilise toute son expérience et connaissance des marchés, pour offrir un programme standard adapté aux nouveaux processus et équipements pour l'industrie du bois. Avec ce programme standard, nous étudions et développons des outils spéciaux, de la mèche la plus simple jusqu'au groupe d'outils les plus complexes pour commande numérique notamment. Nous offrons aux clientes des solutions rentables et adaptées.

QUALITÉ

FREZITE, entreprise certifiée par APCER, membre portugais de l'association international IQNET (*The International Certification Network*), selon la norme ISO 9001, ce qui garantie la plus haute confiance de nos produits. FREZITE est fier d'être une des premières entreprises à obtenir la certification pour l'environnement entre les principaux fabricants d'outillage pour le bois, selon la norme ISO 14001 par APCER.

FREZITE a pour objectif fondamental la prestation de services et production qui satisfasse les besoins et souhaits de nos clients et utilisateurs à prix compétitifs.

PRODUCTION

Notre production est composée d'une équipe spécialisée qui applique les technologies les plus modernes de CAD-CAM pour le dessin, préparation et production de nos produits.

FREZITE, dispose d'installations industrielles les plus modernes, avec des machines de haute technologie CNC qui assurent les exigences de nos clients. La fabrication et l'affûtage du diamant polycristallin, sont réalisés avec un équipement ultra moderne de haute technicité ce qui garanti une très grande fiabilité des outils.

PRODUITS

FREZITE offre à ses clients une vaste gamme de produits, comme lames de scie, fraises, porte-outils et mèches, que ce soit standard ou sur plan.





Terminology

D	- Cutter diameter
B	- Cutter width Knife length
b	- Body thickness
C	- Chamfering/Rounding blades
d	- Bore
Db	- Base diameter
DKN	- Double Keyway
H	- Knife length
HB	- Wood thickness
Hn	- Negative helix
Hp	- Positive helix
I	- Groover
INF	- Inferior position
KN	- Keyway
KS	- Frigovit cooling slot
L1	- Total length
L2	- Cutting length
LH	- Left hand rotation
MAN	- Manual feed
MEC	- Mechanical feed
n	- R.P.M.
NL	- Pinhole
nmax	- maximum R.P.M.
P	- Profile
Pt	- Profile depth
R	- Radius
Ref	- Article reference
RH	- Right hand
Rz	- Scrapers
S	- Shank diameter Knife thickness
SDB	- With chip thickness limitation
SUP	- Superior cutting position
t	- Pitch
T	- Grooving depth
TK	- Diameter for pin holes
V	- Spurs
Z	- Edges
ZB	- Hogger width
ZS	- Hogger segments

Terminologie

D	- Diamètre de la fraise
B	- Largeur de la fraise Largeur de coupe
b	- Épaisseur du corps
C	- Chanfreineuses/Arrondisseurs
d	- Alésage
Db	- Diamètre de base
DKN	- Double clavette
H	- Longueur de la lame
HB	- Largeur du bois
Hn	- Hélice négative
Hp	- Hélice positive
I	- Segment à rainer
INF	- Position inférieure
KN	- Rainure de clavette
KS	- Fente de refroidissement
L1	- Hauteur total
L2	- Hauteur de coupe
LH	- Rotation à la gauche
MAN	- Avance manuelle
MEC	- Avance mécanisée
n	- Vitesse angulaire(r.p.m.)
NL	- Trous d'entraînement
nmax	- R.P.M. maximal
P	- Profil
Pt	- Profondeur du profil
R	- Rayon
Ref	- Référence de l'article
RH	- Rotation droite
Rz	- Racleurs
S	- Diamètre de la queue Épaisseur de la lame
SDB	- Avec limiteur de coupe
SUP	- Position de coupe supérieur
t	- Pas
T	- Profondeur de la rainure
TK	- Entraxe de trous d'ergot
V	- Traceurs
Z	- Couteaux
ZB	- Largeur de déchiquetage
ZS	- Nombre de segments de déchiquetage

Table of contents

Table des matières

Circular saw blades Lames de scie	1	
Groovers, rebate, planing cutterblocks and cutterheads Fraises et porte-outils droit	2	
Profile cutterblocks and cutterheads Fraises et porte-outils profil	3	
Glue joint cutterblocks and cutterheads Fraises et porte-outils pour bouvetage, assemblage, aboutages	4	
Tooling for doors and windows production Outillage pour portes et fenêtres	5	
Router cutter for portable routers Mèches pour défonceuses portatives	6	
Tools for stationary routers and cnc machines Outils à queue pour défonceuse stationnaire et à command numérique	7	
Boring bits Mèches à percer	8	
ALU and PVC ALU et PVC	9	
Clamping systems Mandrins et accessoires de serrage	10	
Knives and tooling accessories Couteaux et accessoires	11	
Technical information Informations techniques	12	

Instructions for placing orders

Instruction pour commander

1. Standard tooling


When ordering, please indicate the article code according to the catalogue, a description, type of tool, dimensions and number of teeth, this will avoid any mistakes being made.

2. Special tooling

For this production, we need the following information:



Tool information

- Family types that the tool to i.e.cutter, cutter head, router cutter, saw blade, knife, etc.
- Diameter, cutter height, bore or shank size
- Number of theth
- Cutting material:

High speed steel	HS
Stellites	ST
Tungsten carbide.....	HW
Polycrystalline diamond	DP 

- Profile tools:
Dimensioned sketch or wood sample.

Construction specifications

- Manual feed 
- Mechanical feed 

According whith the European Standard EN 847-1

Note: All manual feed tools (MAN) can be used in Mechanical feed (MEC).

Working material

- Type of material: soft or hard wood, exotic, particleboard, MDF, etc.
- Face covering: melamine, plywood, etc.

Cutting position

- Cutting against or with the wood fibre, cross cut, in natural wood.
- Cutting sense, with or against the feed.

Machine information

- Type of machine: moulding machine, tenonner, CNC center, etc
- Spindle layout.
- Bed and fence position.

Rotative sense

- Left hand, right hand.

1. Outils standard


Mentionner le code de l'article selon le catalogue ainsi que sa description : genre d'outils, dimensions, nombre de dents, entre autres, pour éviter des erreurs.

2. Outils spéciaux

Pour sa production, nous avons besoin des éléments suivants:


Les caractéristiques de l'outil

- La famille à laquelle il appartient: fraise, porte-outils, mèche, lames de scie, lames,etc.
- Diamètre, hauteur de coupe et alésage ou diamètre de la queue.
- N° de couteaux (de dents).
- Composition des couteaux:

Acier rapide	HS
Stellites.....	ST
Métaux-dur non revêtus	HW
Diamant polycristallin	DP 

- Pour les outils profilés:
Croquis coté ou échantillon de bois.

Formes de construction

- Avance manuelle 
- Avance mécanisée 

Selon la norme européenne EN 847-1.

Attention: tous les outils MAN peuvent être utilisés comme MEC.

Materiaux usinés

- Genre de matériaux : bois tendres ou durs, exotique, aggloméré, MDF, etc.
- Structure de la surface: revêtus ou stratifiés, etc.

Sens de rotation

- Coupe opposée ou favorable aux fibres du bois ou coupe en bout.
- Dispositions de coupe: travail en opposition ou avalant (par rapport à l'avance du bois).

Informations sur la machine

- Genre de machine : toupie, moulurière, centre d'usinage numérique, etc.
- Disposition des axes de la machine.
- Position de la table et du guide.

Sens de rotation

- Droite ou gauche.

1

Circular saw blades Lames de scie



FREZITE 

Saw blades for multi-rip saws	
Lames de scie pour déligneuse	1.8-1.12
Universal circular saw blades	
Lames de scie universelles	1.13
Thin kerf saw blades	
Lames de scie pour coupe mince	1.14
Circular saw blades for plastic materials	
Lames de scie pour pour matières plastiques	1.15
Saw blades for coated panel cutting	
Lames de scie coupe de panneaux revêtues	1.15-1.19
Circular saw blades for panel sizing machines	
Lames pour scie à panneaux.....	1.19-1.22
Scoring saw blades	
Inciseurs	1.23-1.27
Hoggers	
Déchiqueteurs	1.28-1.32
Circular saw blades for edge banders	
Lames de scie pour plaqueuse de chants	1.33
Saw blades for CNC machines	
Lames de scie pour commande numérique	1.33
Grooving saw blades	
Lames de scie à rainer.....	1.34
Saw blades for portable saws	
Lames de scie pour machines portatives	1.34
Construction saw blades	
Lames de scie pour chantier.....	1.35
Aluminium processing and dry cut saw blades	
Lame de scie pour aluminium et métaux.....	1.36-1.37
Saw blades for ALUCOBOND®	
Lames de scie pour ALUCOBOND®.....	1.38
Saw blade for cutting fiber cement and façades	
Lame de scie pour la coupe de plaques pour toits et façades au fibrociment	1.38
Reducing rings for saw blades	
Bagues de réduction pour lames de scies circulaires	1.39
Query for special saw blades	
Questionnaire pour lames de scie spéciales	1.41
Technical information	
Informations techniques.....	1.42-1.46

D	B	b	d	Z	Ref.	Pág
70	2,8-3,6	4,5	20	18/FV	872.070.009.20	1.25
80	2,8-3,6	4	20	20/FV	872.080.010.20	1.25
80	2,8-3,6	4	20	20/FV	A872.080.010.20	1.26
80	3,1-4,3	2,2	20	12/KW	871.080.012.20	1.23
80	3,2	2,2	30	12/EL	888.080.012.30	1.33
80	3,2	2,2	30	12/ER	888.080.112.30	1.33
85	3,2	2,2	30	12/EL	888.085.012.30	1.33
85	3,2	2,2	30	12/ER	888.085.112.30	1.33
100	2,6	1,6	32	20/EL	888.100.020.32	1.33
100	2,6	1,6	32	20/ER	888.100.120.32	1.33
100	2,8-3,6	4	20	24/FV	872.100.012.20	1.25
100	2,8-3,6	4	20	24/FV	A872.100.012.20	1.26
100	2,8-3,6	4	22	24/FV	872.100.012.22	1.25
100	2,8-3,6	4	22	24/FV	A872.100.012.22	1.26
100	3	2,2	32	30/EL	888.100.030.32	1.33
100	3	2,2	32	30/ER	888.100.130.32	1.33
100	3,1-4,3	2,2	20	20/KW	871.100.020.20	1.23
100	3,1-4,3	2,8	22	20/KW	871.100.020.22	1.23
100	3,2	2,2	22	20/EL	888.100.020.22	1.33
100	3,2	2,2	22	20/ER	888.100.120.22	1.33
100	3,2	2,2	30	20/EL	888.100.020.30	1.33
100	3,2	2,2	30	20/ER	888.100.120.30	1.33
100	3,2	2,2	30	20/F	883.100.020.30	1.33
105	3,1-4,3	2,2	45	16/KW	871.105.016.45	1.23
110	3	2,2	30	20/EL	888.110.020.30	1.33
110	3	2,2	30	20/ER	888.110.120.30	1.33
110	3	2,2	32	20/EL	888.110.020.32	1.33
110	3	2,2	32	20/ER	888.110.120.32	1.33
110	3,2	2,2	32	30/EL	888.110.030.32	1.33
110	3,2	2,2	32	30/ER	888.110.130.32	1.33
110	3,6	2,4	22	20/W	888.110.320.22	1.33
110	3,6	2,4	22	20/W	888.110.320.22	1.33
110	3,6	2,4	32	20/EL	888.110.220.32	1.33
110	3,6	2,4	32	20/ER	888.110.320.32	1.33
120	1,8	1,2	20	36/W	876.120.036.20	1.34
120	1,8	1,2	20	8/F	A887.120.008.20	1.38
120	2,8-3,6	4	20	24/FV	872.120.012.20	1.25
120	2,8-3,6	4	20	24/FV	A872.120.012.20	1.26
120	2,8-3,6	4	20	24/FV	A872.120.024.20	1.26
120	2,8-3,6	4	22	24/FV	872.120.012.22	1.25
120	2,8-3,6	4	22	24/FV	A872.120.012.22	1.26
120	2,8-3,6	4	50	24/FV	872.120.012.50	1.25
120	2,8-3,6	4	50	24/FV	A872.120.012.50	1.26
120	3,1-4,3	2,2	20	24/KW	871.120.024.20	1.23
120	3,1-4,3	2,2	22	24/KW	871.120.024.22	1.23
120	3,1-4,3	2,2	30	24/KW	871.120.024.30	1.23
120	3,2	2,2	30	24/W	883.120.024.30	1.33
120	3,2-3,8	2,8	22	18/KW	A871.120.118.22	1.24
120	3,2-4,2	2,8	20	18/KW	A871.120.118.20	1.24
120	4	3	35	30/W	883.120.030.35	1.33
125	2,8-3,6	4	20	24/FV	872.125.012.20	1.25
125	2,8-3,6	4	20	24/FV	A872.125.012.20	1.26

D	B	b	d	Z	Ref.	Pág
125	2,8-3,6	4	20	24/FV	A872.125.024.20	1.26
125	2,8-3,6	4	22	24/FV	872.125.012.22	1.25
125	2,8-3,6	4	22	24/FV	A872.125.012.22	1.26
125	3,1-4,3	2,2	20	22/KW	871.125.024.21	1.23
125	3,1-4,3	2,2	20	24/KW	871.125.024.20	1.23
125	3,1-4,3	2,2	22	24/KW	871.125.024.22	1.23
125	3,2	2,2	22	36/EL	888.125.036.22	1.33
125	3,2	2,2	22	36/ER	888.125.136.22	1.33
125	3,2-3,8	2,8	20	18/KW	A871.125.118.20	1.24
125	3,2-3,8	2,8	20	24/KW	A871.125.124.21	1.24
125	4,4-5,3	3,2	20	24/KW	A871.125.024.20	1.24
125	4,4-5,3	3,2	45	18/KW	A871.125.018.45	1.24
125	4,4-5,6	3,2	20	24/KW	871.125.124.20	1.23
125	4,4-5,6	3,2	45	24/KW	871.125.024.45	1.23
130	3,6	2,8	30	24/EL	888.130.024.30	1.33
130	3,6	2,8	30	24/ER	888.130.124.30	1.33
140	3,2	2,2	16	36/EL	888.140.036.16	1.33
140	3,2	2,2	16	36/ER	888.140.136.16	1.33
140	3,2	2,2	30	36/EL	888.140.036.30	1.33
140	3,2	2,2	30	36/ER	888.140.136.30	1.33
150	10	7	30	12/F	880.150.012.11	1.34
150	2	1,4	30	48/W	864.150.048.30	1.14
150	2,5	1,8	30	12/F	880.150.012.03	1.34
150	2,5	1,8	30	24/F	880.150.024.03	1.34
150	2,6	1,6	30	24/W	876.150.024.30	1.34
150	3	2	30	12/F	880.150.012.04	1.34
150	3	2	30	24/F	880.150.024.04	1.34
150	3,2	2,2	30	24/W	863.150.024.30	1.13
150	3,2	2,2	30	24/W	883.150.024.30	1.33
150	3,2	2,2	30	30/EL	875.150.230.30	1.27
150	3,2	2,2	30	30/ER	875.150.030.30	1.27
150	3,2	2,2	30	36/W	863.150.036.30	1.13
150	3,2	2,2	30	36/W	883.150.036.30	1.33
150	3,2	2,2	30	48/W	863.150.048.30	1.13
150	3,5	2,5	30	12/F	880.150.012.05	1.34
150	3,5	2,5	30	24/F	880.150.024.05	1.34
150	4	2,8	30	12/F	880.150.012.06	1.34
150	4	2,8	30	24/F	880.150.024.06	1.34
150	4,4-5	3,2	30	24/KW	A871.150.124.30	1.24
150	4,4-5,5	4	20	36/W	872.150.018.20	1.25
150	4,4-5,6	3,2	20	24/KW	871.150.024.20	1.23
150	4,4-5,6	3,2	30	24/KW	871.150.024.30	1.23
150	4,4-5,6	3,2	45	24/KW	871.150.024.45	1.23
150	4,5	3,5	30	12/F	880.150.012.07	1.34
150	4,5	3,5	30	24/F	880.150.024.07	1.34
150	5	3,5	30	12/F	880.150.012.08	1.34
150	5	3,5	30	24/F	880.150.024.08	1.34
150	6	3,9	30	12/F	880.150.012.09	1.34
150	6	3,9	30	24/F	880.150.024.09	1.34
150	8	6	30	12/F	880.150.012.10	1.34
160	2,2	1,6	20	24/W	876.160.024.20	1.34
160	2,2	1,8	20	30/W	889.160.030.20	1.37



D	B	b	d	Z	Ref.	Pág
160	2,2	1,6	20	48/TF	878.160.048.20	1.36
160	2,2	1,6	20	48/W	876.160.048.20	1.34
160	2,4	1,8	20	10/F	A887.160.010.20	1.38
160	2,6	1,6	30	24/W	876.160.024.30	1.34
160	3,2	2,2	22	48/EL	888.160.048.22	1.33
160	3,2	2,2	22	48/ER	888.160.148.22	1.33
160	3,2	2,2	22	48/W	888.160.248.22	1.33
160	4,4-5,3	3,2	45	28/KW	A871.160.028.45	1.24
160	4,4-5,3	3,2	55	36/KW	A871.160.036.55	1.24
160	4,4-5,6	3,2	45	36/K	871.160.036.45	1.23
160	4,4-5,6	3,2	55	36/KW	871.160.136.55	1.23
180	1,8	1,1	30	40/F	897.180.020.30	1.14
180	2	1,4	30	56/W	864.180.056.30	1.14
180	2,8	1,8	30	30/W	876.180.030.30	1.34
180	2,8	2	30	56/TF	878.180.056.30	1.36
180	3,2	2,2	30	30/EL	A875.180.130.30	1.27
180	3,2	2,2	30	30/ER	A875.180.030.30	1.27
180	3,2	2,2	30	30/W	863.180.030.30	1.13
180	3,2	2,2	30	30/W	883.180.030.30	1.33
180	3,2	2,2	30	36/EL	A875.180.136.30	1.27
180	3,2	2,2	30	36/ER	A875.180.036.30	1.27
180	3,2	2,2	30	36/W	883.180.036.30	1.33
180	3,2	2,2	30	42/EL	875.180.242.30	1.27
180	3,2	2,2	30	42/ER	875.180.042.30	1.27
180	3,2	2,2	30	42/W	863.180.042.30	1.13
180	3,2	2,2	30	42/W	883.180.042.30	1.33
180	3,2	2,2	30	56/W	863.180.056.30	1.13
180	3,2	2,2	30	56/W	883.180.056.30	1.33
180	3,2	2,2	35	30/W	883.180.030.35	1.33
180	3,2	2,2	35	58/W	883.180.058.35	1.33
180	4,4-5	3,2	30	30/KW	A871.180.130.30	1.24
180	4,4-5,3	3,2	45	36/KW	A871.180.036.45	1.24
180	4,4-5,3	3,2	50	42/KW	A871.180.042.50	1.24
180	4,4-5,6	3	30	28/KW	871.180.028.30	1.23
180	4,4-5,6	3,2	45	36/KW	871.180.136.45	1.23
180	4,4-5,6	3,2	45	36/KW	871.180.236.45	1.23
180	4,4-5,6	3,2	50	42/KW	871.180.042.50	1.23
180	4,8-5,6	3,5	45	36/KW	A871.180.136.45	1.24
180	4,8-5,8	3,5	45	36/KW	871.180.036.45	1.23
184	2,4	1,8	15	10/F	A887.184.010.15	1.38
190	2,2	1,8	30	38/W	889.190.038.30	1.37
190	2,4	1,8	30	12/F	A887.190.012.30	1.38
190	2,4	1,6	30	24/W	876.190.024.30	1.34
200	2	1,6	30	64/W	864.200.064.30	1.14
200	2,6	1,6	40	16+2/F	886.200.016.40	1.10
200	2,6	1,6	40	24+3/F	886.200.024.40	1.10
200	2,8	1,8	30	36/W	876.200.036.30	1.34
200	2,8	2	30	84/TF	878.200.084.30	1.36
200	3,2	2,2	30	36/W	863.200.036.30	1.13
200	3,2	2,2	30	48/W	863.200.048.30	1.13
200	3,2	2,2	30	60/TF	866.200.060.30	1.16
200	3,2	2,2	30	60/W	863.200.060.30	1.13

D	B	b	d	Z	Ref.	Pág
200	4,4-5,3	3,2	45	36/KW	A871.200.136.45	1.24
200	4,4-5,3	3,2	65	36/KW	A871.200.036.65	1.24
200	4,4-5,6	3,2	20	36/KW	871.200.036.20	1.23
200	4,4-5,6	3,2	30	36/KW	871.200.036.30	1.23
200	4,4-5,6	3,2	45	36/KW	871.200.436.45	1.23
200	4,4-5,6	3,2	50	42/KW	871.200.042.50	1.23
200	4,4-5,6	3,2	65	36/KW	871.200.136.65	1.23
200	4,4-5,6	3,2	80	36/KW	871.200.136.80	1.23
200	4,8-5,6	3,5	45	36/KW	A871.200.036.45	1.24
200	4,8-5,6	3,5	65	36/KW	A871.200.136.65	1.24
200	4,8-5,8	3,5	20	36/KW	871.200.236.20	1.23
200	4,8-5,8	3,5	45	36/KW	871.200.036.45	1.23
200	4,8-5,8	3,5	65	36/KW	871.200.036.65	1.23
200	5,5-6,7	3,4	20	36/KW	871.200.136.20	1.23
200	5,5-6,7	3,4	45	36/KW	871.200.136.45	1.23
200	5,8-6,8	3,5	45	36/KW	871.200.236.45	1.23
200	6,2-7,2	4	45	36/KW	871.200.336.45	1.23
205	4	2,8	80	44/F/LH	874.205.044.80	1.30
205	4	2,8	80	44/F/RH	874.205.144.80	1.30
210	2,6	2	30	14/F	A887.210.014.30	1.38
210	2,6	1,6	30	48/W	876.210.048.30	1.34
215	2,8	2	30	64/TF	878.215.064.30	1.36
215	4,4-5,3	3,2	50	42/KW	A871.215.042.50	1.24
215	4,4-5,6	3,2	50	42/KW	871.215.042.50	1.23
215	4,8-5,8	3,5	50	42/KW	871.215.142.50	1.23
216	2,6	2	30	14/F	A887.216.014.30	1.38
216	2,6	1,6	30	48/W-NEG	876.216.048.30	1.34
216	2,6	1,6	30	64/W-NEG	876.216.064.30	1.34
216	2,8	1,8	30	24/W-NEG	876.216.024.30	1.34
216	2,8	1,8	30	60/W-NEG	876.216.060.30	1.34
216	2,8	1,8	30	80/W-NEG	876.216.080.30	1.34
220	2,8	2	30	36/W	883.220.036.30	1.33
220	3,2	2,2	30	42/DH	867.220.042.30	1.19
220	3,2	2,2	30	64/TF	866.220.064.30	1.16
220	6,5-7,4	4,5	20	36/KW	871.220.036.20	1.23
230	2,2	1,8	30	44/W	889.230.044.30	1.37
230	3	2	30	24/W	876.230.024.30	1.34
235	3	2	30	34/W	876.235.034.30	1.34
240	3,2	2,2	30	54/TF	883.240.054.30	1.33
250	1,8	1,3	80	28/F	897.250.028.80	1.14
250	2	1,6	30	80/W	864.250.080.30	1.14
250	2,2	1,8	30	48/W	889.250.048.30	1.37
250	2,2	1,8	30	60/W	889.250.060.30	1.37
250	2,5	1,8	30	80/W	864.250.180.30	1.14
250	2,6	2	30	16/F	A887.250.016.30	1.38
250	2,8	2,2	30	80/WE	895.250.080.30	1.15
250	2,8	2	70	16+2/F	870.250.116.70	1.8
250	3,2	2,2	30	16+2/F	870.250.016.30	1.8
250	3,2	2,2	30	20/F	860.250.020.30	1.11
250	3,2	2,2	30	20+4/F	870.250.020.30	1.8
250	3,2	2,2	30	20+4/W	852.250.020.30	1.9
250	3,2	2,2	30	24/W	861.250.024.30	1.11

D	B	b	d	Z	Ref.	Pág
250	3,2	2,2	30	24/W	879.250.024.30	1.12
250	3,2	2,2	30	40/W	863.250.040.30	1.13
250	3,2	2,2	30	40/W	876.250.040.30	1.34
250	3,2	2,2	30	48/DH	867.250.048.30	1.19
250	3,2	2,2	30	48/TF	A803.250.048.30	1.18
250	3,2	2,2	30	48/W	863.250.048.30	1.13
250	3,2	2,2	30	60/TF	866.250.060.30	1.16
250	3,2	2,2	30	60/TF	883.250.160.30	1.33
250	3,2	2,2	30	60/TF	A803.250.060.30	1.18
250	3,2	2,2	30	60/TF	A803.250.160.30	1.18
250	3,2	2,2	30	60/TFE	898.250.060.30	1.38
250	3,2	2,2	30	60/TFN	866.250.260.30	1.17
250	3,2	2,2	30	60/W	863.250.060.30	1.13
250	3,2	2,2	30	60/W	883.250.060.30	1.33
250	3,2	2,2	30	72/TF	A803.250.172.30	1.18
250	3,2	2,2	30	80/TF	866.250.080.30	1.16
250	3,2	2,6	30	80/TF	877.250.080.30	1.36
250	3,2	2,6	30	80/TF	878.250.080.30	1.36
250	3,2	2,2	30	80/TF	A803.250.080.30	1.18
250	3,2	2,2	30	80/TF	A803.250.180.30	1.18
250	3,2	2,2	30	80/TFE	898.250.080.30	1.38
250	3,2	2,2	30	80/TF-M	866.250.480.30	1.17
250	3,2	2,2	30	80/TFN	866.250.280.30	1.17
250	3,2	2,2	30	80/TF-P	866.250.380.30	1.17
250	3,2	2,2	30	80/W	863.250.080.30	1.13
250	3,2	2,2	30	80/W	865.250.080.30	1.15
250	3,2	2,6	32	80/TF	877.250.080.32	1.36
250	3,2	2,6	32	80/TF	878.250.080.32	1.36
250	3,2	2,2	35	40/W	883.250.040.35	1.33
250	3,2	2,2	70	16+2/F	870.250.016.70	1.8
250	3,2	2,2	70	20+4/F	870.250.020.70	1.8
250	3,2	2,2	70	20+4/W	852.250.020.70	1.9
250	3,2	2,2	80	20+4/W	852.250.020.80	1.9
250	4	2,8	10	48/F/LH	874.250.448.99	1.30
250	4	2,8	10	48/F/RH	874.250.348.99	1.30
250	4	2,8	10	72/F/LH	874.250.472.99	1.30
250	4	2,8	10	72/F/RH	874.250.372.99	1.30
250	4	2,8	80	48/F/LH	874.250.448.80	1.30
250	4	2,8	80	48/F/RH	874.250.348.80	1.30
250	4	2,8	80	72/F/LH	874.250.472.80	1.30
250	4	2,8	80	72/F/RH	874.250.372.80	1.30
250	4,4-5,6	3,2	50	42/KW	871.250.042.50	1.23
250	5,6	3,8	30	20/F	869.250.020.30	1.8
250	5,6	3,8	70	20/F	869.250.020.70	1.8
254	2,2	1,8	30	60/W	889.254.060.30	1.37
255	4	2,8	13	48/EL	874.255.048.99	1.28
255	4	2,8	13	48/ER	874.255.148.99	1.28
255	4	2,8	13	60/EL	874.255.060.99	1.28
255	4	2,8	13	60/ER	874.255.160.99	1.28
255	4	2,8	80	48/F/LH	874.255.048.80	1.30
255	4	2,8	80	48/F/RH	874.255.148.80	1.30
255	4	2,8	80	60/F/LH	874.255.060.80	1.30

D	B	b	d	Z	Ref.	Pág
255	4	2,8	80	60/F/RH	874.255.160.80	1.30
275	3,2	2,2	20	48/W	863.275.048.20	1.13
275	3,2	2,2	20	72/W	863.275.072.20	1.13
280	3,2	2,2	30	60/TF	883.280.060.30	1.33
300	2,7	1,8	30	96/W	864.300.096.30	1.14
300	2,8	2,2	30	20/F	A887.300.020.30	1.38
300	2,8	2,2	30	96/WE	895.300.096.30	1.15
300	2,8	2	70	20+4/F	870.300.120.70	1.8
300	3,2	2,2	30	20+4/F	870.300.020.30	1.8
300	3,2	2,2	30	24/F	860.300.024.30	1.11
300	3,2	2,2	30	24+4/W	852.300.024.30	1.9
300	3,2	2,2	30	28/W	861.300.028.30	1.11
300	3,2	2,2	30	28/W	879.300.028.30	1.12
300	3,2	2,2	30	36/W	863.300.036.30	1.13
300	3,2	2,2	30	48/W	863.300.048.30	1.13
300	3,2	2,2	30	60/W	863.300.060.30	1.13
300	3,2	2,2	30	72/TF	866.300.072.30	1.16
300	3,2	2,2	30	72/TF	A803.300.072.30	1.18
300	3,2	2,2	30	72/TF	A803.300.172.30	1.18
300	3,2	2,2	30	72/TFE	898.300.072.30	1.38
300	3,2	2,2	30	72/W	863.300.072.30	1.13
300	3,2	2,2	30	84/TF	A803.300.084.30	1.18
300	3,2	2,2	30	84/TF	A803.300.184.30	1.18
300	3,2	2,2	30	96/TF	866.300.096.30	1.16
300	3,2	2,6	30	96/TF	877.300.196.30	1.36
300	3,2	2,6	30	96/TF	878.300.196.30	1.36
300	3,2	2,2	30	96/TF	A803.300.096.30	1.18
300	3,2	2,2	30	96/TF	A803.300.196.30	1.18
300	3,2	2,2	30	96/TFE	898.300.096.30	1.38
300	3,2	2,2	30	96/TF-M	866.300.496.30	1.17
300	3,2	2,2	30	96/TFN	866.300.196.30	1.17
300	3,2	2,2	30	96/TF-P	866.300.396.30	1.17
300	3,2	2,2	30	96/W	863.300.096.30	1.13
300	3,2	2,2	30	96/W	865.300.096.30	1.15
300	3,2	2,6	32	96/TF	877.300.196.32	1.36
300	3,2	2,6	32	96/TF	878.300.196.32	1.36
300	3,2	2,2	70	20+4/F	870.300.020.70	1.8
300	3,2	2,2	70	24+4/F	870.300.024.70	1.8
300	3,2	2,2	70	24+4/W	852.300.024.70	1.9
300	3,2	2,2	80	20+4/F	870.300.120.80	1.8
300	3,2	2,2	80	24+4/W	852.300.024.80	1.9
300	3,4	2,2	22	20/T	881.300.020.22	1.35
300	3,4	2,2	30	20/T	881.300.020.30	1.35
300	3,4	2,2	80	20+4/F	870.300.220.80	1.8
300	3,4	2,2	80	28/F	860.300.128.80	1.11
300	4,4	3	30	20+4/F	868.300.020.30	1.9
300	4,4	3,2	30	48/W	882.300.048.30	1.19
300	4,4	3	30	60/TF	873.300.060.30	1.20
300	4,4	3	30	72/TF	873.300.072.30	1.20
300	4,4	3,2	65	60/TF	873.300.060.65	1.20
300	4,4	3	70	20+4/F	868.300.020.70	1.9
300	4,4	3,2	75	72/TF	873.300.072.75	1.20



D	B	b	d	Z	Ref.	Pág
300	4,4	3,2	75	96/TF	873.300.096.75	1.20
300	4,4	3,2	75	96/TF	A873.300.596.75	1.22
300	4,4	3,2	80	60/TF	873.300.060.80	1.20
300	4,4	3,2	80	72/TF	A873.300.072.80	1.22
300	4,4-5,6	3,2	50	48/KW	871.300.048.50	1.23
300	4,4-5,6	3,2	65	48/KW	871.300.048.65	1.23
300	4,48	3,2	75	96/TF	873.300.196.75	1.20
300	4,48	3,2	75	96/TF	A873.300.696.75	1.22
300	4,55	3,5	80	72/WE	871.300.072.80	1.23
300	5,6	3,8	30	24/F	869.300.024.30	1.8
300	5,6	3,8	70	24/F	869.300.024.70	1.8
303	3,2	2,2	30	60/DH	867.303.060.30	1.19
305	2,2	1,8	25	60/W	889.305.060.26	1.37
305	2,2	1,8	25	80/W	889.305.080.26	1.37
305	2,2	1,8	30	60/W	889.305.060.30	1.37
305	2,2	1,8	30	80/W	889.305.080.30	1.37
305	4	2,8	13	60/EL	874.305.060.99	1.29
305	4	2,8	13	60/ER	874.305.160.99	1.29
305	4	2,8	13	72/EL	874.305.072.99	1.29
305	4	2,8	13	72/ER	874.305.172.99	1.29
305	4	2,8	80	72/F/LH	874.305.072.80	1.30
305	4	2,8	80	72/F/RH	874.305.172.80	1.30
320	3	2	80	20+4/F	870.320.020.80	1.8
320	4,4	3,2	50	60/TF	873.320.060.50	1.20
320	4,4	3,2	65	60/TF	873.320.060.65	1.20
320	4,4	3,2	65	72/TF	A873.320.072.65	1.22
320	4,4	3,2	80	60/TF	873.320.060.80	1.20
330	3,2	2,2	30	80/W	863.330.080.30	1.13
350	3,5	2,5	30	108/TF	866.350.108.30	1.16
350	3,5	2,5	30	108/W	863.350.108.30	1.13
350	3,5	2,5	30	24+6/F	870.350.024.30	1.8
350	3,5	2,5	30	24+6/W	852.350.024.30	1.9
350	3,5	2,5	30	28/F	860.350.028.30	1.11
350	3,5	2,5	30	32/W	879.350.032.30	1.12
350	3,5	2,5	30	36/W	861.350.036.30	1.11
350	3,5	2,5	30	54/W	863.350.054.30	1.13
350	3,5	2,5	30	72/W	863.350.072.30	1.13
350	3,5	2,5	30	84/TF	866.350.084.30	1.16
350	3,5	2,5	30	84/W	863.350.084.30	1.13
350	3,5	2,5	70	24+6/F	870.350.024.70	1.8
350	3,5	2,5	70	24+6/W	852.350.024.70	1.9
350	3,5	2,5	80	24+6/F	870.350.024.80	1.8
350	3,5	2,5	80	24+6/W	852.350.024.80	1.9
350	3,6	3	30	108/TF	877.350.108.30	1.36
350	3,6	3	30	108/TF	878.350.108.30	1.36
350	3,6	2,6	30	24/T	881.350.024.30	1.35
350	3,6	3	30	84/TF	877.350.084.30	1.36
350	3,6	3	30	84/TF	878.350.084.30	1.36
350	3,6	3	32	108/TF	877.350.108.32	1.36
350	3,6	3	32	108/TF	878.350.108.32	1.36
350	3,6	3	32	84/TF	877.350.084.32	1.36
350	3,6	3	32	84/TF	878.350.084.32	1.36

D	B	b	d	Z	Ref.	Pág
350	3,6	2,4	80	20+4/F	870.350.020.80	1.8
350	3,6	2,4	80	30/F	860.350.030.80	1.11
350	4,4	3	2.	72/TF	873.350.072.30	1.20
350	4,4	3,2	30	108/TF	873.350.108.30	1.20
350	4,4	3	30	24+6/F	868.350.024.30	1.9
350	4,4	3,2	30	54/W	882.350.054.30	1.19
350	4,4	3,2	30	72/TF	A803.350.172.30	1.18
350	4,4	3,2	30	72/W	882.350.072.30	1.19
350	4,4	3,2	50	72/TF	873.350.072.50	1.20
350	4,4	3,2	50	72/TF	A873.350.072.50	1.22
350	4,4	3,2	60	54/W	882.350.054.60	1.19
350	4,4	3,2	60	72/TF	873.350.072.60	1.20
350	4,4	3,2	60	72/TF	A873.350.072.60	1.22
350	4,4	3,2	60	72/W	882.350.072.60	1.19
350	4,4	3	70	24+6/F	868.350.024.70	1.9
350	4,4	3,2	75	54/W	882.350.054.75	1.19
350	4,4	3,2	75	72/TF	873.350.072.75	1.20
350	4,4	3,2	80	72/TF	873.350.072.80	1.20
350	4,4	3,2	80	72/TF	A873.350.072.80	1.22
350	5,6	3,8	30	28/F	869.350.028.30	1.8
350	5,6	3,8	70	28/F	869.350.028.70	1.8
355	2,2	1,8	25	90/W	889.355.090.26	1.37
355	2,2	1,8	30	90/W	889.355.090.30	1.37
355	4	2,8	13	72/EL	874.355.072.99	1.29
355	4	2,8	13	72/ER	874.355.172.99	1.29
355	4	2,8	13	84/EL	874.355.084.99	1.29
355	4	2,8	13	84/ER	874.355.184.99	1.29
355	4,4	3,2	30	72/TF	873.355.072.30	1.20
355	4,4	3,2	65	72/TF	873.355.072.65	1.20
355	4,4	3,2	75	72/TF	873.355.072.75	1.20
355	4,4	3,2	80	72/TF	873.355.072.80	1.20
360	4,4	3,2	65	72/TF	873.360.072.65	1.20
370	4,4	3,2	30	72/TF	873.370.072.30	1.20
380	3,5	3,0	32	110/TF	878.380.110.32	1.36
380	4,4	3,2	50	72/TF	873.380.072.50	1.20
380	4,4	3,2	60	72/TF	873.380.172.60	1.20
380	4,4	3,2	60	72/W	882.380.072.60	1.19
380	4,4	3,2	80	72/TF	873.380.172.80	1.20
380	4,6	3,2	80	72/TF	873.380.072.80	1.20
380	4,8	3,5	60	60/TF	873.380.060.60	1.20
380	4,8	3,5	60	72/TF	873.380.072.60	1.20
380	4,8	3,5	60	72/TF	A873.380.072.60	1.22
400	3,5	2,5	30	120/W	863.400.120.30	1.13
400	3,5	2,8	30	120/W	891.400.120.30	1.12
400	3,5	2,5	30	28/W	861.400.028.30	1.11
400	3,5	2,5	30	36/W	861.400.036.30	1.11
400	3,5	2,5	30	36/W	879.400.036.30	1.12
400	3,5	2,5	30	48/W	863.400.048.30	1.13
400	3,5	2,5	30	60/W	863.400.060.30	1.13
400	3,5	2,5	30	96/W	863.400.096.30	1.13
400	4	3,2	30	120/TF	877.400.120.30	1.36
400	4	3,2	30	120/TF	878.400.120.30	1.36

D	B	b	d	Z	Ref.	Pág
400	4	2,8	30	28+6/F	870.400.028.30	1.8
400	4	2,8	30	32/F	860.400.032.30	1.11
400	4	3,2	32	120/TF	877.400.120.32	1.36
400	4	3,2	32	120/TF	878.400.120.32	1.36
400	4	2,8	70	20+4/F	870.400.020.70	1.8
400	4	2,8	70	28+6/F	870.400.028.70	1.8
400	4,4	3,2	30	72/TF	873.400.072.30	1.20
400	4,4	3,2	30	72/W	882.400.072.30	1.19
400	4,4	3,2	65	72/TF	873.400.172.65	1.20
400	4,4	3,2	75	42/W	882.400.042.75	1.19
400	4,4	3,2	75	72/TF	873.400.272.75	1.20
400	4,4	3,2	75	72/TF	A873.400.072.75	1.22
400	4,4	3,2	75	72/W	882.400.072.75	1.19
400	4,4	3,2	80	72/TF	873.400.172.80	1.20
400	4,4	3,2	80	72/TF	873.400.272.80	1.20
400	4,4	3,2	80	72/TF	A873.400.072.80	1.22
400	4,4	3,2	80	72/TF	A873.400.172.80	1.22
400	4,4	3,2	80	72/W	882.400.072.80	1.19
400	4,8	3,5	75	72/TF	873.400.172.75	1.20
400	5,2	3,9	30	24+6/F	868.400.024.30	1.9
420	4,4	3,2	50	72/TF	873.420.072.50	1.20
420	4,4	3,2	80	72/TF	873.420.072.80	1.20
420	4,8	3,5	60	72/TF	873.420.172.60	1.20
420	4,8	3,5	60	72/TF	A873.420.072.60	1.22
430	4,4	3,2	75	72/TF	873.430.072.75	1.21
430	4,4	3,2	75	96/TF	873.430.096.75	1.21
430	4,4	3,2	75	96/TF	A873.430.096.75	1.22
430	4,4	3,2	80	72/TF	873.430.072.80	1.21
450	4	3,2	30	128/TF	877.450.128.30	1.36
450	4	3,2	30	128/TF	878.450.128.30	1.36
450	4	2,8	30	138/W	863.450.138.30	1.13
450	4	2,8	30	40/W	861.450.040.30	1.11
450	4	2,8	30	40/W	879.450.040.30	1.12
450	4	2,8	30	66/W	863.450.066.30	1.13
450	4	3,2	32	128/TF	877.450.128.32	1.36
450	4	3,2	32	128/TF	878.450.128.32	1.36
450	4,4	3	30	24+6/F	870.450.024.30	1.8
450	4,4	3,2	30	72/TF	873.450.072.30	1.21
450	4,4	3,2	30	72/W	882.450.072.30	1.19
450	4,4	3	70	24+6/F	870.450.024.70	1.8
450	4,4	3,2	80	72/TF	873.450.272.80	1.21
450	4,4	3,2	80	72/TF	A873.450.072.80	1.22
450	4,8	3,5	30	138/W	891.450.138.30	1.12
450	4,8	3,5	60	60/TF	873.450.060.60	1.21
450	4,8	3,5	60	72/TF	873.450.072.60	1.21
450	4,8	3,5	60	72/TF	A873.450.072.60	1.22
450	4,8	3,5	80	72/TF	873.450.172.80	1.21
450	6	3,9	30	24+6/F	868.450.024.30	1.9
450	6	3,9	70	24+6/F	868.450.024.70	1.9
460	4,4	3,2	30	72/TF	873.460.072.30	1.21
470	4,4	3,2	75	72/TF	873.470.072.75	1.21
470	4,4	3,2	75	72/TF	A873.470.072.75	1.22

D	B	b	d	Z	Ref.	Pág
470	4,4	3,2	75	72/W	882.470.072.75	1.19
480	4,4	3,2	30	72/TF	873.480.072.30	1.21
480	4,8	3,5	30	72/TF	873.480.172.30	1.21
480	4,8	3,5	60	72/TF	A873.480.072.60	1.22
480	4,8	3,5	60	72/W	873.480.172.60	1.21
480	4,8	3,5	75	72/TF	873.480.072.75	1.21
480	4,8	3,5	80	72/TF	873.480.072.80	1.21
480	4,8	3,5	80	72/TF	A873.480.072.80	1.22
500	4	2,8	30	144/W	863.500.144.30	1.13
500	4	2,8	30	72/W	863.500.072.30	1.13
500	4,2	3,4	30	140/TF	877.500.140.30	1.36
500	4,2	3,4	30	140/TF	878.500.140.30	1.36
500	4,2	3,4	32	140/TF	877.500.140.32	1.36
500	4,2	3,4	32	140/TF	878.500.140.32	1.36
500	4,4	2,8	30	36/W	896.500.036.30	1.35
500	4,4	2,8	30	44/W	861.500.044.30	1.11
500	4,4	2,8	30	44/W	879.500.044.30	1.12
500	4,4	2,8	35	60/W	861.500.060.35	1.11
500	4,4	3,2	75	72/W	882.500.072.75	1.19
500	4,4	3,2	80	72/W	882.500.072.80	1.19
500	4,8	3,5	30	144/W	891.500.144.30	1.12
500	4,8	3,5	60	72/TF	873.500.072.60	1.21
500	6	3,9	30	32+6/F	868.500.032.30	1.9
520	4,4	3,2	30	72/TF	873.520.172.30	1.21
520	4,8	3,5	60	72/TF	873.520.072.60	1.21
550	4,2	3,4	30	140/TF	877.550.140.30	1.36
550	4,2	3,2	30	84/W	863.550.084.30	1.13
550	4,2	3,4	32	140/TF	877.550.140.32	1.36
550	4,4	3	30	60/W	861.550.060.30	1.11
550	4,8	3,2	30	44/W	896.550.044.30	1.35
550	5,5	3,8	40	60/TF	873.550.060.40	1.21
565	5,2	3,5	10	72/TF	873.565.072.99	1.21
570	4,8	3,5	60	60/TF	873.570.060.60	1.21
600	5,2	3,8	30	48/W	896.600.048.30	1.35
600	5,4	4	30	172/W	891.600.172.30	1.12
600	5,8	4	60	72/TF	873.600.072.60	1.21
600	6	3,9	30	36+6/F	868.600.036.30	1.9
600	6	3,9	30	60/W	861.600.060.30	1.11
620	6,2	4	40	72/TF	873.620.072.40	1.21
650	5,2	3,6	30	54/W	896.650.054.30	1.35
670	6,2	4,2	40	72/TF	873.670.072.40	1.21
700	5,6	4	30	60/W	896.700.060.30	1.35
720	6,5	4,5	40	60/TF	873.720.060.40	1.21
730	6,2	4,2	60	60/TF	873.730.060.60	1.21



Saw blades for multi-rip saws Lames de scie pour déligneuse

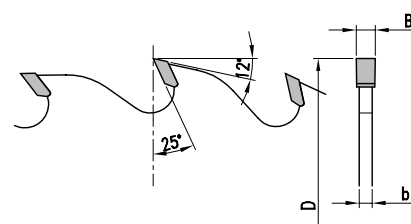
D	B	b	d	Z	KN	Ref.
250	5,6	3,8	30	20		869.250.020.30
new	5,6	3,8	70	20	2/21x6	869.250.020.70
300	5,6	3,8	30	24		869.300.024.30
	5,6	3,8	70	24	2/21x6	869.300.024.70
350	5,6	3,8	30	28		869.350.028.30
	5,6	3,8	70	28	2/21x6	869.350.028.70

Outer blade for multi-rip sawing.

Lame de scie de guide pour déligneuse multi-lame.



MEC HW F **869**



Saw blades for multi-rip saws Lames de scie pour déligneuse

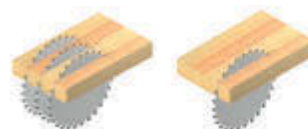
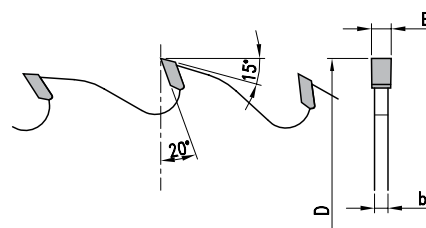
D	B	b	d	Z+RZ	KN	Tmax	FLmax	Ref.	
250	2,8	2,0	70	16+2	2/21x6	50	120	870.250.116.70	
	3,2	2,2	30	16+2		50	120	870.250.016.30	
	3,2	2,2	70	16+2	2/21x6	50	120	870.250.016.70	
new	3,2	2,2	30	20+4		50	120	870.250.020.30	
new	3,2	2,2	70	20+4	2/21x6	50	120	870.250.020.70	
300	2,8	2,0	70	20+4	2/21x6	70	120	870.300.120.70	
	3,2	2,2	30	20+4	2/21x6	70	120	870.300.020.30	
	3,2	2,2	70	20+4	2/21x6	70	120	870.300.020.70	
new	3,2	2,2	70	24+4	2/21x6	70	120	870.300.024.70	
	3,2	2,2	80	20+4	2/21x6+2/14x10	70	120	870.300.120.80	
new	3,4	2,2	80	20+4	2/18,5x3,5	70	120	870.300.220.80 •	
new	320	3,0	2,0	80	20+4	70	120	870.320.020.80	
350	3,5	2,5	30	24+6		95	120	870.350.024.30	
	3,5	2,5	70	24+6	2/21x6	95	120	870.350.024.70	
	3,5	2,5	80	24+6	2/21x6	95	120	870.350.024.80	
new	3,6	2,4	80	20+4	2/18,5x3,5	95	120	870.350.020.80 •	
new	400	4,0	2,8	70	20+4	2/21x6	115	130	870.400.020.70
	4,0	2,8	30	28+6		115	130	870.400.028.30	
	4,0	2,8	70	28+6	2/21x6	115	130	870.400.028.70	
new	450	4,4	3,0	30	24+6	120	160	870.450.024.30	
new	4,4	3,0	70	24+6	2/21x6	120	160	870.450.024.70	

• Suitable for Raimann saws - Pour la machine Raimann

A rip saw blade with wiper slots. For solid wood.

Lame de scie pour déligneuse multi-lame avec racleurs. Pour bois massif.

MEC HW F **870**

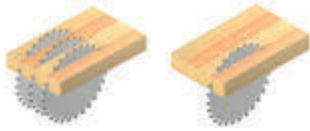


Saw blades for multi-rip saws
Lames de scie pour déligneuse

	D	B	b	d	Z+Rz	KN	Tmax	FLmax	Ref.
new	250	3,2	2,2	30	20+4		50	120	852.250.020.30
new		3,2	2,2	70	20+4	4/21x6	50	120	852.250.020.70
new		3,2	2,2	80	20+4	2/13x5+21x6	50	120	852.250.020.80
new	300	3,2	2,2	30	24+4		70	120	852.300.024.30
new		3,2	2,2	70	24+4	4/21x6	70	120	852.300.024.70
new		3,2	2,2	80	24+4	2/13x5+21x6	70	120	852.300.024.80
new	350	3,5	2,5	30	24+6		95	120	852.350.024.30
new		3,5	2,5	70	24+6	4/21x6	95	120	852.350.024.70
new		3,5	2,5	80	24+6	2/13x5+21x6	95	120	852.350.024.80

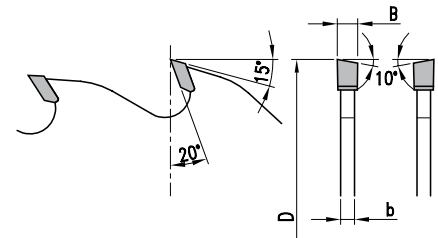
Saw blade with wipers. Especially suited for the long grain cut of solid wood with less than 15% Humidity.

Lame de scie d'épaisseur normale avec racleurs. Pour la coupe de bois massif avec une humidité inférieure à 15% vers le sens longitudinal de la fibre..



MEC HW W

852



Saw blades for multi-rip saws
Lames de scie pour déligneuse

	D	B	b	d	Z+RZ	KN	Tmax	FLmax	Ref.
	300	4,4	3,0	30	20+4		70	120	868.300.020.30
		4,4	3,0	70	20+4	2/21x6	70	120	868.300.020.70
	350	4,4	3,0	30	24+6		95	120	868.350.024.30
		4,4	3,0	70	24+6	2/21x6	95	120	868.350.024.70
	400	5,2	3,9	30	24+6		115	130	868.400.024.30
	450	6,0	3,9	30	24+6		120	160	868.450.024.30
new		6,0	3,9	70	24+6	2/21x6	120	160	868.450.024.70
new	500	6,0	3,9	30	32+6		140	180	868.500.032.30
new	600	6,0	3,9	30	36+6		170	200	868.600.036.30

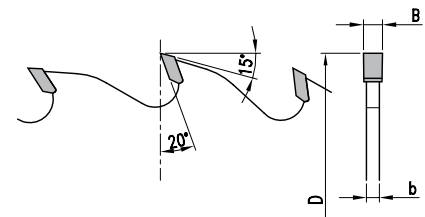
Extra stable rip saw blade with wiper slots.
For solid wood.

Lame de scie pour déligneuse multi-lame avec racleurs, coupe épaisse.
Pour bois massif.



MEC HW F

868



Saw blades for moulding machines
Lames de scie pour moulurières

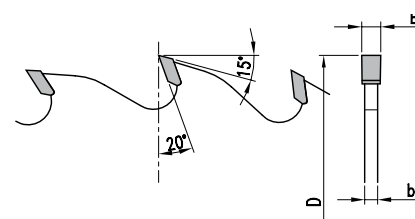
D	B	b	d	Z+RZ	Tmax	FLmax	Ref.
200	2,6	1,6	40	16+2	40	85	886.200.016.40
	2,6	1,6	40	24+3	40	85	886.200.024.40

MEC HW F

886

A thin kerf saw blade with wiper slots for moulders.
 For solid wood.

Lame de scie mince pour moulurière, avec racleurs.
 Pour bois massif.



Saw blades for multi-rip saws Lames de scie pour déligneuse

D	B	b	d	Z	α	NL/TK	KN	Ref.
250	3,2	2,2	30	20	25°	2/7/42+2/10/60		860.250.020.30
300	3,2	2,2	30	24	25°	2/7/42+2/10/60		860.300.024.30
new	3,4	2,2	80	28	20°		2/18,5x3,5	860.300.128.80 •
350	3,5	2,5	30	28	25°	2/7/42+2/10/60		860.350.028.30
new	3,6	2,4	80	30	20°		2/18,5x3,5	860.350.030.80 •
400	4,0	2,8	30	32	25°	2/7/42+2/10/60		860.400.032.30

- Suitable for Raimann saws - Pour la machine Raimann

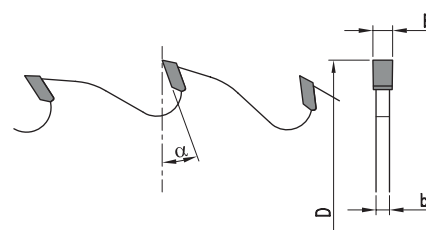
Ripping saw blade for solid wood.

Lame de scie déligneuse pour bois massif.



MEC HW F

860



Saw blades for solid wood Lames de scie pour bois massif

D	B	b	d	Z	NL/TK	Ref.	
250	3,2	2,2	30	24	2/7/42+2/10/60	861.250.024.30	
300	3,2	2,2	30	28	2/7/42+2/10/60	861.300.028.30	
350	3,5	2,5	30	36	2/7/42+2/10/60	861.350.036.30	
400	3,5	2,5	30	28	2/7/42+2/10/60	861.400.028.30	
	3,5	2,5	30	36	2/7/42+2/10/60	861.400.036.30	
new	450	4,0	2,8	30	40	2/7/42+2/10/60	861.450.040.30
new	500	4,4	2,8	30	44	2/7/42+2/10/60	861.500.044.30
new		4,4	2,8	35	60	2/7/42+2/10/60	861.500.060.35
new	550	4,4	3,0	30	60	2/7/42+2/10/60	861.550.060.30
new	600	6,0	3,9	30	60	2/7/42+2/10/60	861.600.060.30

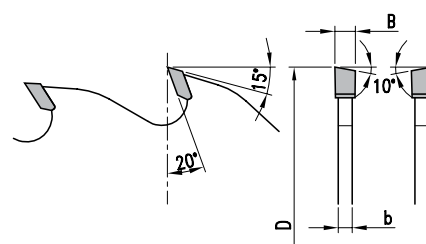
Ripping saw blade for hard and soft wood. Can also be used as a crosscutting blade.

Lame de scie pour déligneuse, bois durs et tendres, coupe en long et en travers.



MEC HW W

861



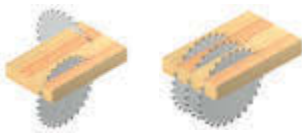
Saw blades with chip thickness limiter

Lames de scie avec limiteurs de passe

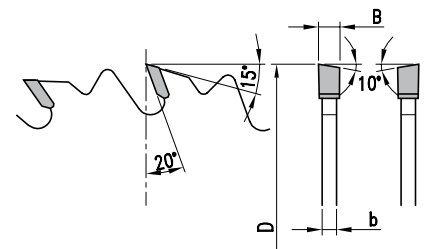
D	B	b	d	Z	NL/TK	Ref.
250	3,2	2,2	30	24	2/7/42+2/10/60	879.250.024.30
300	3,2	2,2	30	28	2/7/42+2/10/60	879.300.028.30
350	3,5	2,5	30	32	2/7/42+2/10/60	879.350.032.30
400	3,5	2,5	30	36	2/7/42+2/10/60	879.400.036.30
new 450	4,0	2,8	30	40	2/7/42+2/10/60	879.450.040.30
new 500	4,4	2,8	30	44	2/7/42+2/10/60	879.500.044.30

Circular saw blade for long grain and cross grain cut of solid wood.

Lame de scie pour coupe de bois massif, au sens longitudinal et transversal de la fibre.



MAN HW W **879**



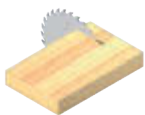
Fast cut saw blades

Lames de scie pour coupe rapide

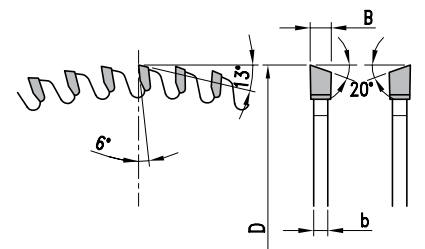
D	B	b	d	Z	NL/TK	Ref.
new 400	3,5	2,8	30	120	2/10/60	891.400.120.30
new 450	4,8	3,5	30	138	2/10/60	891.450.138.30
500	4,8	3,5	30	144	2/10/60	891.500.144.30
new 600	5,4	4,0	30	172	2/10/60	891.600.172.30

Fast cut saw blade for Opti-cut. Extra stable body.

Lame de scie pour coupe rapide, pour Opti-Cut. Corps renforcé pour une plus grande stabilité.



MEC HW W **891**

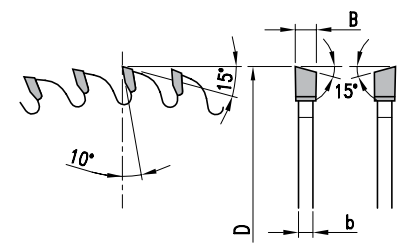


Universal circular saw blades
Lames de scie universelles

D	B	b	d	Z	NL/TK	Ref.
150	3,2	2,2	30	24		863.150.024.30
	3,2	2,2	30	36		863.150.036.30
	3,2	2,2	30	48		863.150.048.30 •
180	3,2	2,2	30	30		863.180.030.30
	3,2	2,2	30	42		863.180.042.30
	3,2	2,2	30	56		863.180.056.30 •
200	3,2	2,2	30	36	2/7/42+2/10/60	863.200.036.30
	3,2	2,2	30	48	2/7/42+2/10/60	863.200.048.30
	3,2	2,2	30	60	2/7/42+2/10/60	863.200.060.30 •
250	3,2	2,2	30	40	2/7/42+2/10/60	863.250.040.30
	3,2	2,2	30	48	2/7/42+2/10/60	863.250.048.30
	3,2	2,2	30	60	2/7/42+2/10/60	863.250.060.30
275	3,2	2,2	30	80	2/7/42+2/10/60	863.250.080.30 •
	3,2	2,2	20	48	2/7/42+2/10/60	863.275.048.20
	3,2	2,2	20	72	2/7/42+2/10/60	863.275.072.20
300	3,2	2,2	30	36	2/7/42+2/10/60	863.300.036.30
	3,2	2,2	30	48	2/7/42+2/10/60	863.300.048.30
	3,2	2,2	30	60	2/7/42+2/10/60	863.300.060.30
	3,2	2,2	30	72	2/7/42+2/10/60	863.300.072.30
	3,2	2,2	30	96	2/7/42+2/10/60	863.300.096.30 •
new 330	3,2	2,2	30	80	2/7/42+2/10/60	863.330.080.30
350	3,5	2,5	30	54	2/7/42+2/10/60	863.350.054.30
	3,5	2,5	30	72	2/7/42+2/10/60	863.350.072.30
	3,5	2,5	30	84	2/7/42+2/10/60	863.350.084.30
	3,5	2,5	30	108	2/7/42+2/10/60	863.350.108.30 •
400	3,5	2,5	30	48	2/7/42+2/10/60	863.400.048.30
	3,5	2,5	30	60	2/7/42+2/10/60	863.400.060.30
	3,5	2,5	30	96	2/7/42+2/10/60	863.400.096.30
	3,5	2,5	30	120	2/7/42+2/10/60	863.400.120.30
450	4,0	2,8	30	66	2/7/42+2/10/60	863.450.066.30
new	4,0	2,8	30	138	2/7/42+2/10/60	863.450.138.30 •
500	4,0	2,8	30	72	2/7/42+2/10/60	863.500.072.30
new	4,0	2,8	30	144	2/7/42+2/10/60	863.500.144.30 •
new 550	4,2	3,2	30	84	2/7/42+2/10/60	863.550.084.30

MEC HW W

863



Longitudinal and cross cut.

- Saw blades produced with long life tips for maximum wear resistance and extra long lifetime.

Lame de scie pour coupe en long et en travers.

- Lame de scie avec denture de grande résistance à l'usure et longue durée de vie.



Extreme thin kerf saw blades Lames de scie pour coupe mince

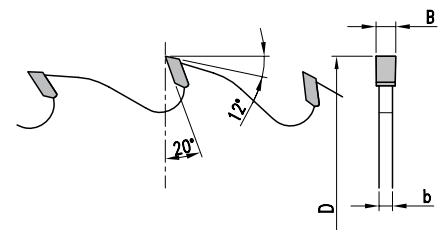
	D	B	b	d	Z	KN	Ref.
new	180	1,6	1,1	30	20		897.180.020.30
new	250	1,8	1,3	80	28	2/21x6	897.250.028.80

Ripping saw blade for solid wood. With a specially treated saw body to ensure stability and cut quality.

Lame de scie déligneuse pour bois massif. Avec corps durci pour assurer la stabilité et la qualité de coupe.



MEC HW F **897**



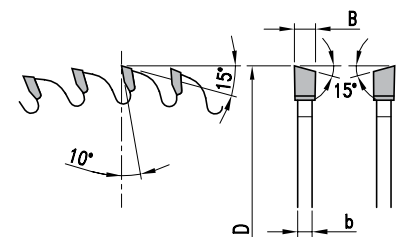
Thin kerf saw blades Lames de scie pour coupe mince

	D	B	b	d	Z	NL/TK	Ref.
new	150	2,0	1,4	30	48	2/7/42	864.150.048.30
new	180	2,0	1,4	30	56	2/7/42	864.180.056.30
	200	2,0	1,6	30	64	2/7/42	864.200.064.30
	250	2,0	1,6	30	80	2/7/42+2/10/60	864.250.080.30

Thin Kerf saw blade for cutting cork.

Lame de scie d'épaisseur fine, pour coupe de liège, etc.

MEC HW W **864**



	D	B	b	d	Z	NL/TK	Ref.
	250	2,5	1,8	30	80	2/7/42+2/10/60	864.250.180.30
	300	2,7	1,8	30	96	2/7/42+2/10/60	864.300.096.30

A thin kerf saw blade for sawing cork, plastic profiles, plexiglas and veneer etc.

Lame de scie mince pour la coupe de liège, plastique, acrylique et matériaux revêtus.

Circular saw blades for plastic materials Lames de scie pour matières plastiques

	D	B	b	d	Z	NL/TK	Ref.
new	250	2,8	2,2	30	80	2/7/42+2/9/46,4+2/10/60	895.250.080.30
new	300	2,8	2,2	30	96	2/7/42+2/9/46,4+2/10/60	895.300.096.30

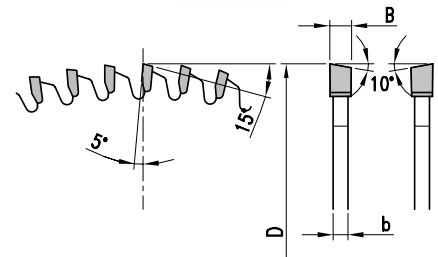
Circular saw blade for cutting plastic profiles, acrylic, chipboard and laminate flooring.

Lame de scie pour coupe de profilés en plastique, méthacrylate, agglomérés et sols stratifiés.



MAN
MEC

895

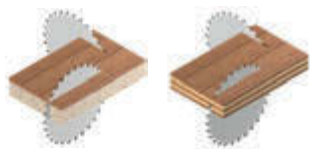


Saw blades for coated panel cutting Lames de scie pour coupe de panneaux revêtues

	D	B	b	d	Z	NL/TK	Ref.
	250	3,2	2,2	30	80	2/7/42+2/10/60	865.250.080.30
	300	3,2	2,2	30	96	2/7/42+2/10/60	865.300.096.30

Trimming and sizing blades for coated and veneer boards. With alternated bevels of 40°, suitable for use without scoring blade. The blades are equipped with Long-life carbide teeth.

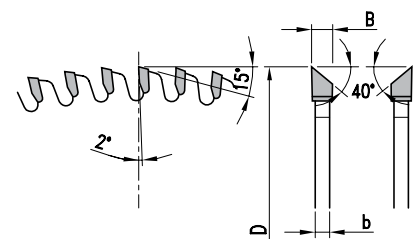
Lame de scie pour coupe de finition en panneaux revêtus ou vernissés avec denture alternée 40°, pouvant travailler sans inciseur. La lame de scie présente une denture de grande résistance.



For sensitive cuts without scoring saw blade.
Pour coupes sensibles sans inciseurs.

MEC HW W

865



Circular saw blades for panel cutting
Lames de scie pour coupe de panneaux

D	B	b	d	Z	NL/TK	Ref.
200	3,2	2,2	30	60	2/7/42+2/10/60	866.200.060.30
220	3,2	2,2	30	64	2/7/42+2/10/60	866.220.064.30
250	3,2	2,2	30	60	2/7/42+2/10/60	866.250.060.30
	3,2	2,2	30	80	2/7/42+2/10/60	866.250.080.30
300	3,2	2,2	30	72	2/7/42+2/10/60	866.300.072.30
	3,2	2,2	30	96	2/7/42+2/10/60	866.300.096.30
new 350	3,5	2,5	30	84	2/7/42+2/10/60	866.350.084.30
	3,5	2,5	30	108	2/7/42+2/10/60	866.350.108.30

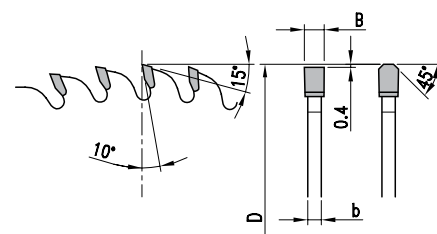
MEC HW TF

866



Panel saw blades for table saws. To be used with scoring blade.

Lame de scie pour scie à format. Utilisation avec inciseur.



Circular saw blades for panel cutting
Lames de scie pour coupe de panneaux

PLUS

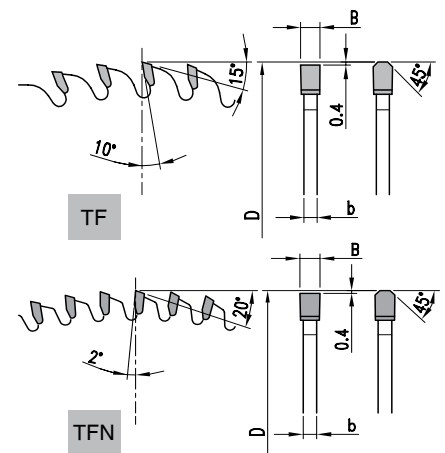
	D	B	b	d	Z	NL/TK	Ref.
new	250	3,2	2,2	30	60	TFN 2/7/42+2/10/60	866.250.260.30
new		3,2	2,2	30	80	TFN 2/7/42+2/10/60	866.250.280.30
new		3,2	2,2	30	80	TF 2/7/42+2/10/60	866.250.380.30
new	300	3,2	2,2	30	96	TFN 2/7/42+2/10/60	866.300.196.30
new		3,2	2,2	30	96	TF 2/7/42+2/10/60	866.300.396.30

Panel saw blades for table saws. To be used with scoring blade. Saw blade with high wear resistant carbide for longer life time between sharpening's.

Lame de scie pour scie à format. Utilisation avec inciseur. Lame de scie avec carbure d'haute résistance pour affutages plus décalées.

MEC HW TF
TFN

866



	D	B	b	d	Z	NL/TK	Ref.
new	250	3,2	2,2	30	80	2/7/42+2/10/60	866.250.480.30
new	300	3,2	2,2	30	96	2/7/42+2/10/60	866.300.496.30

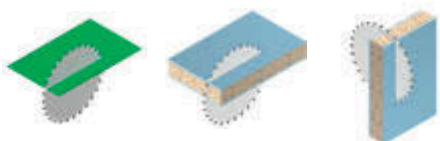
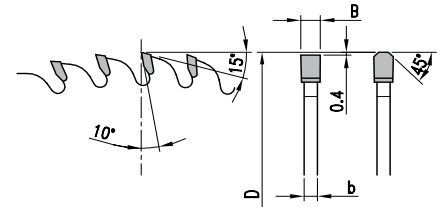
Panel saw blades for table saws. To be used with scoring blade. Specially designed for Corian, MDF or chipboard panels with high gloss veneer.

Lame de scie pour scie à format. Utilisation avec inciseur. Spécialement conçue pour usinage de Corian, MDF ou panneaux agglomérés avec placage de finition brillant.

MEC HW TF

MARATONA

866

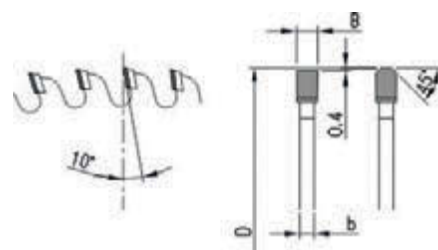


Diamond circular saw blades for panel cutting
Lames de scie DP pour coupe de panneaux



MEC DP TF

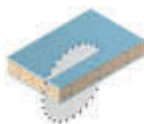
A803



D	B	b	d	Z	NL/TK	Ref.
DP=5mm						
new 250	3,2	2,2	30	48	2/7/42+2/10/60	A803.250.048.30
250	3,2	2,2	30	60	2/7/42+2/10/60	A803.250.060.30
	3,2	2,2	30	80	2/7/42+2/10/60	A803.250.080.30
300	3,2	2,2	30	72	2/7/42+2/10/60	A803.300.072.30
	3,2	2,2	30	84	2/7/42+2/10/60	A803.300.084.30
	3,2	2,2	30	96	2/7/42+2/10/60	A803.300.096.30
DP=4mm						
250	3,2	2,2	30	60	2/7/42+2/10/60	A803.250.160.30
	3,2	2,2	30	72	2/8/42	Frama A803.250.172.30
	3,2	2,2	30	80	2/7/42+2/10/60	A803.250.180.30
300	3,2	2,2	30	72	2/7/42+2/10/60	A803.300.172.30
	3,2	2,2	30	84	2/7/42+2/10/60	A803.300.184.30
	3,2	2,2	30	96	2/7/42+2/10/60	A803.300.196.30
350	4,4	3,2	30	72		A803.350.172.30

Panel saw blades for table saws. To be used with scoring blade.

Lame de scie pour scie à format. Utilisation avec inciseur.

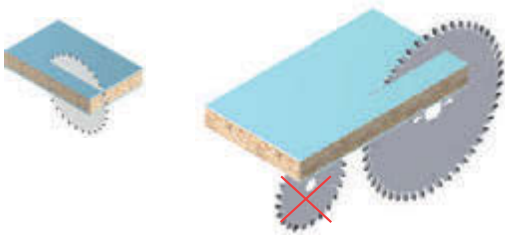


Circular saw blades for panel cutting Lames de scie pour coupe de panneaux

D	B	b	d	Z	NL/TK	Ref.
220	3,2	2,2	30	42	2/7/42+2/10/60	867.220.042.30
250	3,2	2,2	30	48	2/7/42+2/10/60	867.250.048.30
303	3,2	2,2	30	60	2/7/42+2/10/60	867.303.060.30

Panel saw blade for table saws, suitable for use without scoring blade. For sizing of laminated or painted boards. Hollow ground face. Saw blades produced with long life tips for maximum wear resistance and extra long lifetime.

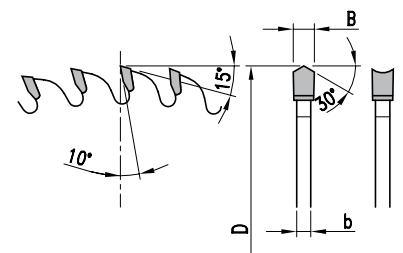
Lame de scie pour scie à panneaux pour utiliser sans inciseur. Pour le dimensionnement des panneaux avec revêtement ou peinture. Lame de scie avec denture de grande résistance à l'usure et longue durée de vie.



For sensitive cuts without scoring saw blade.
Pour coupes sensibles sans inciseurs.

MEC HW DH

867



Circular saw blades for panel sizing machines Lames pour scie à panneaux

D	B	b	d	Z	NL/TK	Ref.	
300	4,4	3,2	30	48		882.300.048.30	
350	4,4	3,2	30	54		882.350.054.30	
new	4,4	3,2	30	72		882.350.072.30	
new	4,4	3,2	60	54		882.350.054.60	
new	4,4	3,2	60	72	2/14/100	882.350.072.60	
new	4,4	3,2	75	54		882.350.054.75	
new	380	4,4	3,2	60	72	882.380.072.60	
	400	4,4	3,2	75	42	882.400.042.75	
		4,4	3,2	30	72	882.400.072.30	
new		4,4	3,2	80	72	882.400.072.80	
		4,4	3,2	75	72	882.400.072.75	
	450	4,4	3,2	30	72	882.450.072.30	
new	470	4,4	3,2	75	72	4/15/105	882.470.072.75
	500	4,4	3,2	75	72	882.500.072.75	
		4,4	3,2	80	72	882.500.072.80	

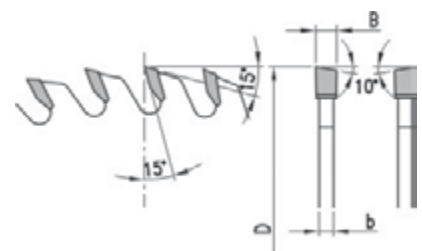
Panel saw blade for cutting solid wood, panel material either raw or veneered and plywood.

Lame de scie pour scie à panneaux pour la coupe de matériaux revêtus, contreplaqués et bois massifs.



MAN HW W
MEC

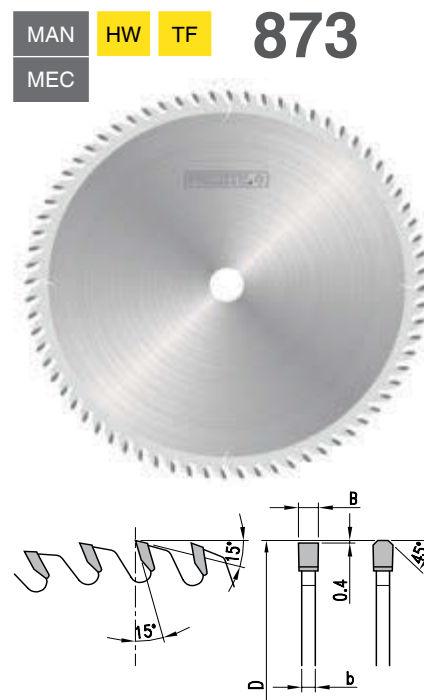
882



Circular saw blades for panel sizing machines

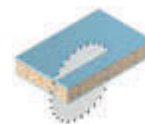
Lames pour scie à panneaux

D	B	b	d	Z	NL/TK	Ref.
300	4,4	3,0	30	60	2/10/60	Panhans 873.300.060.30
	4,4	3,2	65	60	2/9/110	Selco 873.300.060.65
new	4,4	3,0	30	72	2/10/60	Panhans 873.300.072.30
	4,4	3,2	75	72		Tecmatic, Homag 873.300.072.75
	4,4	3,2	75	96		Homag CV 873.300.096.75
	4,48	3,2	75	96		Homag CV 873.300.196.75
	4,4	3,2	80	60	2/14/110+4/9/100	SCM 873.300.060.80
320	4,4	3,2	50	60	4/13/80	Giben 873.320.060.50
	4,4	3,2	65	60	2/9/110	Selco 873.320.060.65
new	4,4	3,2	80	60	4/9/100+2/14/110	SCM 873.320.060.80
350	4,4	3,2	30	72	2/10/60	Tecmatic, Panhans, Scherr 873.350.072.30
	4,4	3,2	30	108		Paoloni 873.350.108.30
	4,4	3,2	50	72	4/13/80	Giben 873.350.072.50
	4,4	3,2	60	72	2/14/100	Holzma 873.350.072.60
new	4,4	3,2	75	72		Giben 873.350.072.75
	4,4	3,2	80	72	4/9/100+2/9/110+2/14/110	Gabbiani 873.350.072.80
355	4,4	3,2	30	72	2/10/60	Panhans, SCM 873.355.072.30
new	4,4	3,2	65	72	2/9/110	Selco 873.355.072.65
	4,4	3,2	75	72	4/15/105	Giben 873.355.072.75
new	4,4	3,2	80	72	4/9/100+2/9/110+2/14/110	Gabbiani 873.355.072.80
360	4,4	3,2	65	72	2/9/110	Selco 873.360.072.65
370	4,4	3,2	30	72	2/10/60	Schelling 873.370.072.30
380	4,4	3,2	50	72	4/13/80	Giben 873.380.072.50
	4,4	3,2	60	72	2/14/100+2/14/125	Holzma 873.380.172.60
	4,4	3,2	80	72	4/9/100+2/9/110+2/14/110	Gabbiani 873.380.172.80
	4,6	3,2	80	72	2/14/110	873.380.072.80
new	4,8	3,5	60	60	2/14/100+2/14/125	Holzma 873.380.060.60
	4,8	3,5	60	72	2/14/100+2/14/125	Holzma 873.380.072.60
400	4,4	3,2	30	72	2/10/60	Scheer, Tecmatic 873.400.072.30
new	4,4	3,2	65	72	2/9/100	Selco 873.400.172.65
	4,4	3,2	75	72	4/15/105	Giben, Euromac 873.400.272.75
	4,4	3,2	80	72	4/19/120+2/9/130	Selco 873.400.172.80
	4,4	3,2	80	72	4/9/100+2/9/110+2/14/110	Gabbiani 873.400.272.80
	4,8	3,5	75	72	4/15/105	Giben 873.400.172.75
420	4,4	3,2	50	72	4-13-80	Giben2 873.420.072.50
new	4,4	3,2	80	72	4/9/100+2/9/110+2/14/110	Gabbiani 873.420.072.80
	4,8	3,5	60	72	2/14/125	Holzma 873.420.172.60



Panel saw blades for table saws. To be used with scoring blade.

Lame de scie pour scie à format. Utilisation avec inciseur.



Continued next page - Suite page suivante

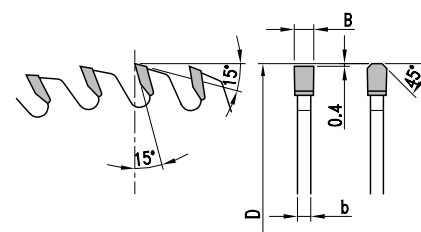
Circular saw blades for panel sizing machines

Lames pour scie à panneaux

D	B	b	d	Z	NL/TK	Ref.
430	4,4	3,2	75	72	4/15/105	Giben 873.430.072.75
	4,4	3,2	80	72	4/19/120+2/9/130+2/14/110	Selco, Gabbiani 873.430.072.80
new	4,4	3,2	75	96	4/15/105	Giben Prismatic 873.430.096.75
450	4,4	3,2	30	72	2/10/60+2/14/125	873.450.072.30
	4,4	3,2	80	72	2/9/130+4/19/120+2/14/110	Selco, Gabbiani 873.450.272.80
new	4,8	3,5	60	60	2/14/125	Holzma 873.450.060.60
	4,8	3,5	60	72	2/17/100+2/14/125	Holzma 873.450.072.60
	4,8	3,5	80	72	4/19/120+2/9/130	Selco 873.450.172.80
new	460	4,4	3,2	30	72	2/13/94 Schelling 873.460.072.30
470	4,4	3,2	75	72	4/15/105	Giben 873.470.072.75
new	480	4,4	3,2	30	72	2/13/94 Schelling 873.480.072.30
new	4,8	3,5	30	72	2/10/60	Schelling 873.480.172.30
new	4,8	3,5	60	72	2/19/120	Holzma 873.480.172.60
	4,8	3,5	75	72		Tecmatic, Giben 873.480.072.75
	4,8	3,5	80	72	4/19/120+2/9/130	Selco 873.480.072.80
500	4,8	3,5	60	72	2/11/115	Holzma 873.500.072.60
new	520	4,4	3,2	30	72	2/13/94 Schelling 873.520.172.30
	4,8	3,5	60	72	2/11/115+2/19/120	Holzma 873.520.072.60
550	5,5	3,8	40	60	2/13/122	Schelling 873.550.060.40
565	5,2	3,5	100	72		Giben Matic H150 873.565.072.99
new	570	4,8	3,5	60	60	Holzma 873.570.060.60
new	600	5,8	4,0	60	72	2/11/115+2/19/120 Holzma 873.600.072.60
new	620	6,2	4,0	40	70	2/14/113 Schelling 873.620.072.40
new	670	6,2	4,2	40	72	2/13/114+2/13/140 Schelling 873.670.072.40
new	720	6,5	4,5	40	60	2/14/114+2/14/140 Schelling 873.720.060.40
new	730	6,2	4,2	60	60	2/11/120+2/11/148 Holzma 873.730.060.60

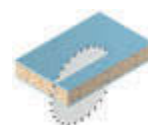
MAN HW TF
MEC

873



Panel saw blades for table saws. To be used with scoring blade.

Lame de scie pour scie à format. Utilisation avec inciseur.

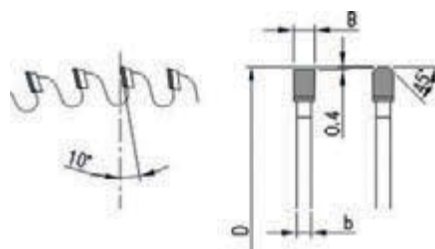


Diamond circular saw blades for panel sizing machines
Lames DP pour scie à panneaux



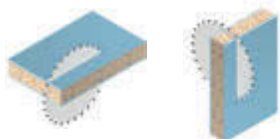
D	B	b	d	Z	NL/TK	Ref.
DP=5mm						
300	4,4	3,2	80	72	4/9/100+2/14/110	SCM A873.300.072.80
	4,4	3,2	75	96		Homag CV A873.300.596.75
	4,48	3,2	75	96		Homag CV A873.300.696.75
320	4,4	3,2	65	72	2/9/110	Selco A873.320.072.65
350	4,4	3,2	60	72	2/14/100	Holzma A873.350.072.60
	4,4	3,2	50	72	4/13/80	Giben A873.350.072.50
	4,4	3,2	80	72	4/9/100+2/9/110+2/14/110	Gabbiani A873.350.072.80
380	4,8	3,5	60	72	2/14/100+2/14/125	Holzma A873.380.072.60
400	4,4	3,2	75	72	4/15/105	Giben, Euromac A873.400.072.75
	4,4	3,2	80	72	4/9/100+2/9/110+2/14/110	Gabbiani A873.400.072.80
	4,4	3,2	80	72	4/19/120+2/9/130	Selco A873.400.172.80
420	4,8	3,5	60	72	2/14/125	Holzma A873.420.072.60
430	4,4	3,2	75	96	4/15/105	Giben Prismatic A873.430.096.75
450	4,4	3,2	80	72	4/19/120+2/9/130	Selco A873.450.072.80
	4,8	3,5	60	72	2/17/100+2/14/125	Holzma A873.450.072.60
470	4,4	3,2	75	72	4/15/105	Giben A873.470.072.75
480	4,8	3,5	60	72	2/19/120	Holzma A873.480.072.60
	4,8	3,5	80	72	4/19/120+2/9/130	Selco A873.480.072.80

MEC DP TF **A873**



Panel saw blades for table saws. To be used with scoring blade.

Lame de scie pour scie à format. Utilisation avec inciseur.

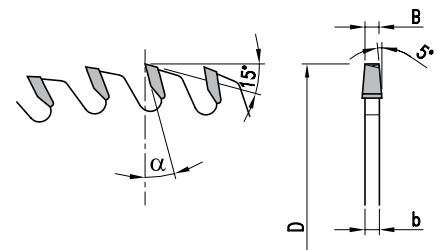


Conical scoring saw blades Inciseurs coniques

D	B	b	d	Z	α	NL/TK	Ref.
80	3,1-4,3	2,2	20	12	0°		871.080.012.20
100	3,1-4,3	2,2	20	20	0°		Schelling 871.100.020.20
new	3,1-4,3	2,2	22	20	0°		871.100.020.22
105	3,1-4,3	2,2	45	16	0°		Kraftlyne 871.105.016.45
120	3,1-4,3	2,2	20	24	0°		871.120.024.20
	3,1-4,3	2,2	22	24	0°		871.120.024.22
new	3,1-4,3	2,2	30	24	0°		871.120.024.30
125	3,1-4,3	2,2	20	24	0°		Panhans 871.125.024.20
	3,1-4,3	2,2	20	24	0°	2/8/42	Frama 871.125.024.21
	3,1-4,3	2,2	22	24	0°		Panhans 871.125.024.22
	4,4-5,6	3,2	20	24	0°		Gabbiani-SCM 871.125.124.20
	4,4-5,6	3,2	45	24	0°		Giben-Homag 871.125.024.45
new	150	4,4-5,6	3,2	20	24	8°	Schelling 871.150.024.20
new	4,4-5,6	3,2	30	24	8°		SCM 871.150.024.30
	4,4-5,6	3,2	45	24	8°		Homag 871.150.024.45
new	160	4,4-5,6	3,2	45	36	8°	3/13/80 871.160.036.45
	4,4-5,6	3,2	55	36	8°	3/7/66	Gabbiani-SCM 871.160.136.55
180	4,4-5,6	3,0	30	28	8°	2/7/42+2/10/60	Panhans 871.180.028.30
	4,4-5,6	3,2	45	36	8°	3/13/80	Giben 871.180.136.45
	4,4-5,6	3,2	45	36	8°		Holzma 871.180.236.45
	4,4-5,6	3,2	50	42	8°	3/13/80	Giben 871.180.042.50
	4,8-5,8	3,5	45	36	8°		Holzma 871.180.036.45
200	4,4-5,6	3,2	20	36	8°	2/9/110+2/11/66	Schelling 871.200.036.20
	4,4-5,6	3,2	30	36	8°	2/9/60	Scheer 871.200.036.30
new	4,4-5,6	3,2	45	36	8°		Holzma 871.200.436.45
	4,4-5,6	3,2	50	42	8°	3/13/80	Giben Smart 65 871.200.042.50
	4,4-5,6	3,2	65	36	8°	2/9/100+2/9/110	Selco 871.200.136.65
new	4,4-5,6	3,2	80	36	8°	2/14/110	Gabbiani 871.200.136.80
new	4,8-5,8	3,5	20	36	8°		Schelling 871.200.236.20
	4,8-5,8	3,5	45	36	8°		Holzma 871.200.036.45
	4,8-5,8	3,5	65	36	8°	2/9/100+2/9/110	Selco 871.200.036.65
	5,5-6,7	3,4	20	36	8°		Schelling 871.200.136.20
new	5,5-6,7	3,4	45	36	8°		Holzma 871.200.136.45
new	5,8-6,8	3,5	45	36	8°		Holzma 871.200.236.45
new	6,2-7,2	4,0	45	36	8°		Holzma 871.200.336.45
215	4,4-5,6	3,2	50	42	8°	3/15/80	Giben 871.215.042.50
	4,8-5,8	3,5	50	42	8°	3/15/80	Giben 871.215.142.50
new	220	6,5-7,4	4,5	20	36	8°	Schelling 871.220.036.20
new	250	4,4-5,6	3,2	50	42	8°	3/13/80 Giben 2 871.250.042.50
300	4,4-5,6	3,2	50	48	8°	3/15/80	Giben 871.300.048.50
	4,4-5,6	3,2	65	48	8°	2/9/100+2/9/110	Selco EB 871.300.048.65
	4,55	3,5	80	72 WE	15°	2/14/110	Gabbiani Postforming 871.300.072.80

MEC HW KW

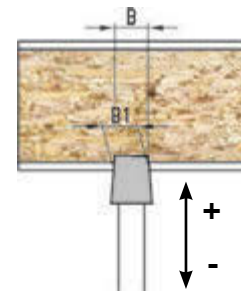
871



Scoring saw blades.

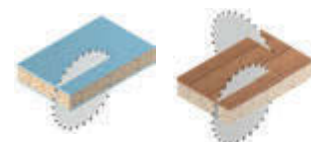
The scoring blades are also equipped with Long-life carbide teeth.

Inciseur avec denture conique au carbure d'haute résistance à l'usure.

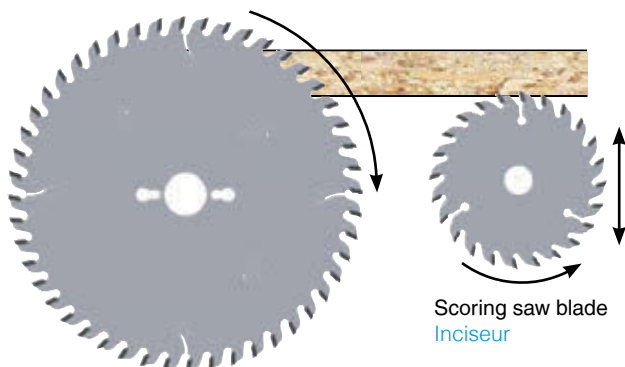


The size of the groove (B1) is obtained by adjusting the height of the scoring saw blade. Increasing the height of the scoring saw blade increases the size of the groove (B1).

La largeur de la rainure (B1) est obtenue par l'ajustement de la hauteur de l'inciseur. Augmenter la hauteur de l'inciseur augmente la largeur de la rainure (B1).



Main saw blade - *Lame de scie principal*



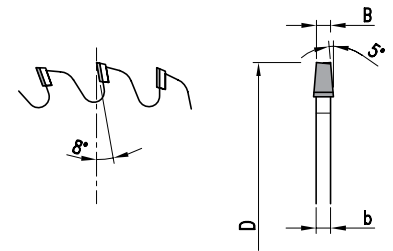
Conical scoring diamond saw blade

Inciseurs DP coniques

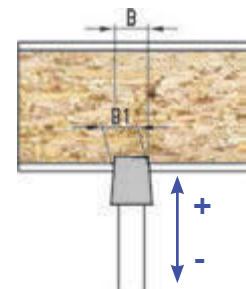
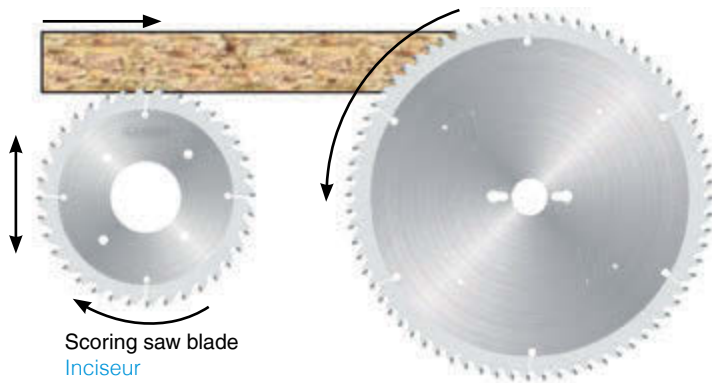


D	B	b	d	Z	NL/TK	Ref.
DP=5mm						
125	4,4-5,3	3,2	45	18		Homag CV'S A871.125.018.45
	4,4-5,3	3,2	20	24		Gabbiani-SCM A871.125.024.20
160	4,4-5,3	3,2	45	28	3/11/70	Giben A871.160.028.45
	4,4-5,3	3,2	55	36	3/7/66	Gabbiani-SCM A871.160.036.55
180	4,4-5,3	3,2	45	36		Holzma A871.180.036.45
	4,4-5,3	3,2	50	42	3/13/80	Gibben A871.180.042.50
	4,8-5,6	3,5	45	36		Holzma A871.180.136.45
new 200	4,4-5,3	3,2	45	36		Holzma A871.200.136.45
	4,4-5,3	3,2	65	36	2/9/100+2/9/110	Selco A871.200.036.65
	4,8-5,6	3,5	45	36		Holzma A871.200.036.45
	4,8-5,6	3,5	65	36	2/9/100+2/9/110	Selco A871.200.136.65
215	4,4-5,3	3,2	50	42	3/15/80	Giben A871.215.042.50
DP=4mm						
120	3,2/3,8	2,8	20	18		A871.120.118.20
new	3,2/3,8	2,8	22	18		A871.120.118.22
125	3,2/3,8	2,8	20	18		A871.125.118.20
	3,2/3,8	2,8	20	24	2/8/42	Frama A871.125.124.21
150	4,4/5,0	3,2	30	24		A871.150.124.30
180	4,4/5,0	3,2	30	30		A871.180.130.30

MEC DP KW **A871**

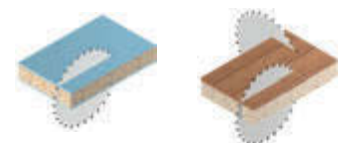


Main saw blade - *Lame de scie principale*



The size of the groove (B1) is obtained by adjusting the height of the scoring saw blade. Increasing the height of the scoring saw blade increases the size of the groove (B1).

La largeur de la rainure (B1) est obtenue par le réglage de l'hauteur de l'inciseur. Augmenter la hauteur de l'inciseur augmente la largeur de la rainure (B1).

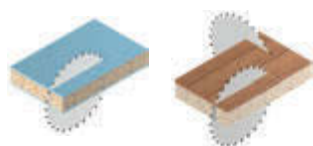


Two-piece adjusting scoring saw blade Inciseur extensible

	D	B	d	Z		Ref.
new	70	2,8-3,6	20	2x9	Putsch-Meniconi	872.070.009.20
	80	2,8-3,6	20	2x10	Felder	872.080.010.20
	100	2,8-3,6	20	2x12	Panhans-Schelling	872.100.012.20
		2,8-3,6	22	2x12	Altendorf-Striebig	872.100.012.22
	120	2,8-3,6	20	2x12	HolzHer-SCM	872.120.012.20
		2,8-3,6	22	2x12	Altendorf-Martin	872.120.012.22
	125	2,8-3,6	20	2x12	Paoloni	872.125.012.20
		2,8-3,6	22	2x12	Paoloni	872.125.012.22
	150	4,4-5,5	20	2x18 W	Paoloni	872.150.018.20

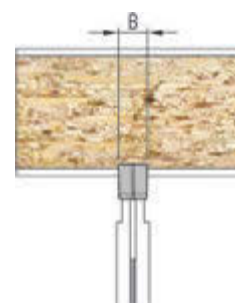
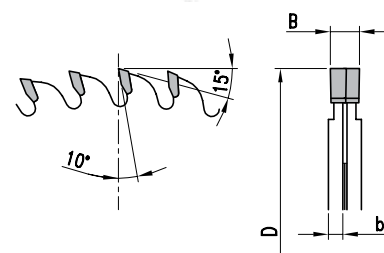
Adjustable to suit the kerf of the main blade. Spacers are included.

Inciseur d'épaisseur réglable, bagues incluses.



MAN HW FV
MEC

872



Adjustment by spacers.
Réglage par bagues intercalaires.

	D	B	d	Z		Ref.
new	120	2,8-3,6	50	2x12	Altendorf, SCM, Griggio	872.120.012.50•
					• Rapido system	

Adjustable to suit the kerf of the main blade. Thickness adjustment controlled by the machine, no spacers required.

Réglable pour suivre l'épaisseur de la lame principale. Réglage d'épaisseur contrôlé par la machine, sans avoir besoin de bagues.



Mechanical adjustment
Régulation Mécanique

Two-piece adjusting scoring diamond saw blade
Inciseur DP extensible



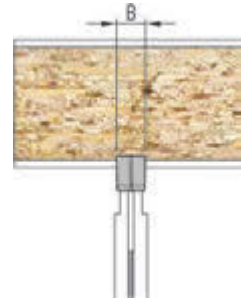
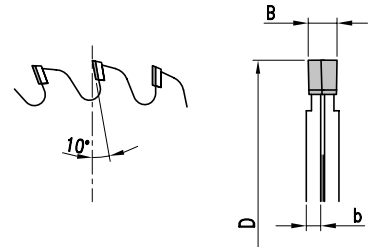
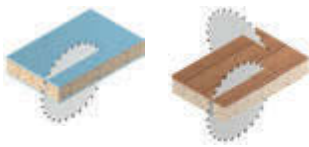
D	B	d	Z	Ref.
DP=5mm				
80	2,8-3,6	20	2x10	Felder A872.080.010.20
100	2,8-3,6	20	2x12	Panhans-Schelling A872.100.012.20
	2,8-3,6	22	2x12	Altendorf-Striebig A872.100.012.22
120	2,8-3,6	20	2x12	HolzHer-SCM A872.120.012.20
	2,8-3,6	22	2x12	Altendorf-Martin A872.120.012.22
125	2,8-3,6	20	2x12	Paoloni A872.125.012.20
	2,8-3,6	22	2x12	Paoloni A872.125.012.22
DP=4mm				
120	2,8-3,6	20	2x12	A872.120.024.20
125	2,8-3,6	20	2x12	A872.125.024.20

MEC DP FV **A872**



Adjustable to suit the kerf of the main blade. Spacers are included.

Inciseur d'épaisseur réglable, bagues incluses.



Adjustment by spacers.
Réglage par bagues intercalaires.

D	B	d	Z	Ref.
DP=5mm				
new 120	2,8-3,6	50	2x12	Altendorf, SCM, Griggio A872.120.012.50•
• Rapido system				

Adjustable to suit the kerf of the main blade. Thickness adjustment controlled by the machine, no spacers required.

Réglable pour suivre l'épaisseur de la lame principale. Réglage d'épaisseur contrôlé par la machine, sans avoir besoin de bagues.



Scoring sets for double-end tenoners Inciseurs pour tenonneuse

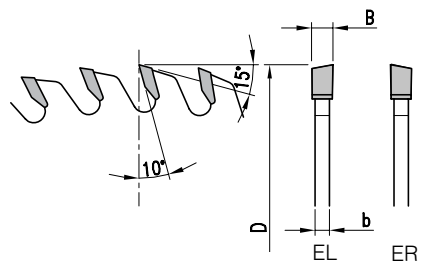
D	B	b	d	Z	Ref. EL	Ref. ER
150	3,2	2,2	30	30	875.150.230.30	875.150.030.30
180	3,2	2,2	30	42	875.180.242.30	875.180.042.30

Scoring saw blade for double end machines and combined edge bander.

Lames de scie pour équiper profileuses/tenonneuses doubles et combinaisons avec plaqueuses de chants.

MEC HW EL
ER

875



Diamond scoring sets for double-end tenoners Inciseurs DP pour tenonneuse



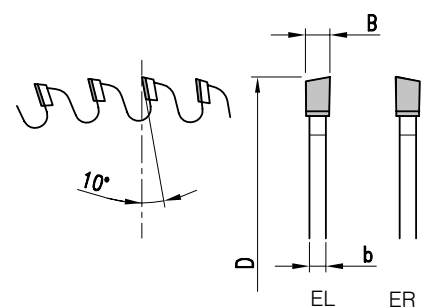
D	B	b	d	Z	Ref. EL	Ref. ER
DP=5mm						
new 180	3,2	2,2	30	30	A875.180.130.30	A875.180.030.30
new	3,2	2,2	30	36	A875.180.136.30	A875.180.036.30

Scoring saw blade for double end machines and combined edge bander.

Lames de scie pour équiper profileuses/tenonneuses doubles et combinaisons avec plaqueuses de chants.

MEC DP EL
ER

A875



Hoggers for chipboard Déchiqueteur pour aggloméré

D	B	d	Z	Ref. LH	Ref. RH
250	18,5	80	48/6	885.250.048.80	885.250.148.80
	18,5	80	60/6	885.250.060.80	885.250.160.80

Spare saw blades - Lames de scie de rechange

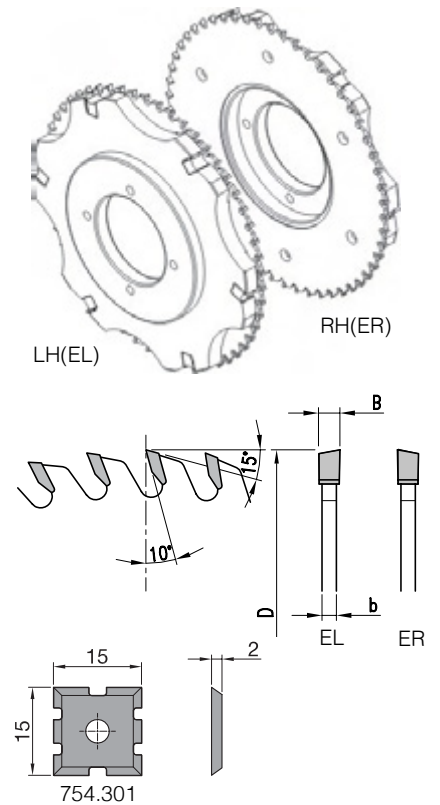
D	B	b	d	Z	NL/TK	Ref. EL	Ref. ER
255	4,0	2,8	130	48	6/9/190	874.255.048.99	874.255.148.99
	4,0	2,8	130	60	6/9/190	874.255.060.99	874.255.160.99

Spare parts - Pièces de rechange

	Ref.
Screw for saw blade - Vis pour lames de scie	M5x12 705.300.12
Reversible knives - Plaquette de coupe réversible	15x15x2 754.301
Clamping wedge - Cale	707.885.01
Screw - Vis	M8x16 705.542

MEC HW EL
ER

885



Hoggers for solid wood Déchiqueteur pour bois massif

D	B	d	Z	Ref. LH	Ref. RH
250	16,5	80	48/12+6	884.250.048.80	884.250.148.80
	16,5	80	60/12+6	884.250.060.80	884.250.160.80
250	22,5	80	48/12+6+6	884.250.248.80	884.250.348.80
	22,5	80	60/12+6+6	884.250.260.80	884.250.360.80

Spare saw blades - Lames de scie de rechange

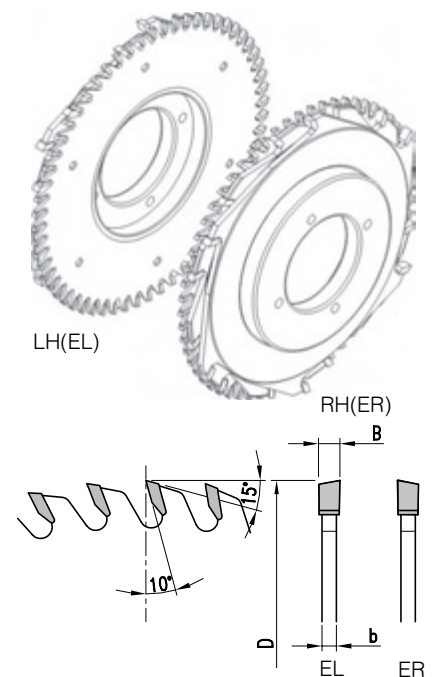
D	B	b	d	Z	NL/TK	Ref. EL	Ref. ER
255	4,0	2,8	130	48	6/9/190	874.255.048.99	874.255.148.99
	4,0	2,8	130	60	6/9/190	874.255.060.99	874.255.160.99

Spare parts - Pièces de rechange

	Ref.
Screw for B=16,5 - Vis pour B=16,5	M5x12 705.300.12
Screw for B=22,5 - Vis pour B=22,5	M5x20 705.300.20

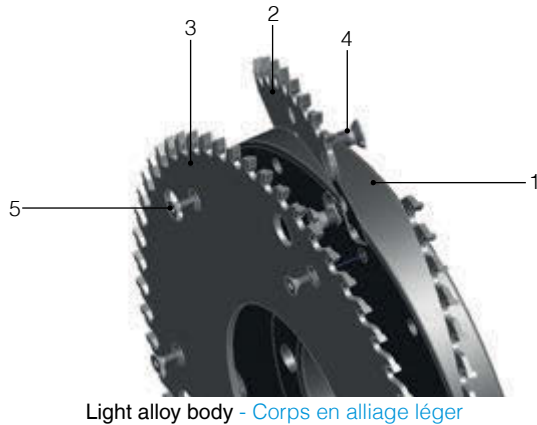
MEC HW EL
ER

884



Segment hoggers Déchiqueteurs à segments

D	B	d	Z	Ref. LH	Ref. RH
250	26	80	48	893.250.048.80	893.250.148.80
	26	80	60	893.250.060.80	893.250.160.80
300	30	80	60	893.300.060.80	893.300.160.80
	30	80	72	893.300.072.80	893.300.172.80
350	36	80	72	893.350.072.80	893.350.172.80
	36	80	84	893.350.084.80	893.350.184.80



Light alloy body - Corps en alliage léger

1 – Hoggers unit body - Corps du décheteur

D	B	d	NxZ	Ref. LH	Ref. RH
250	24	80	6x6	893.250.024.80	893.250.124.80
300	26	80	6x8	893.300.026.80	893.300.126.80
350	30	80	6x10	893.350.030.80	893.350.130.80

2 – Segment HW for segment hoggers - Segment HW de recharge pour décheteur

D	Z	Ref. LH	Ref. RH
250	6	893.250.006.00	893.250.106.00
300	8	893.300.008.00	893.300.108.00
350	10	893.350.010.00	893.350.110.00

3 – Spare saw blades - Lames de scie de recharge

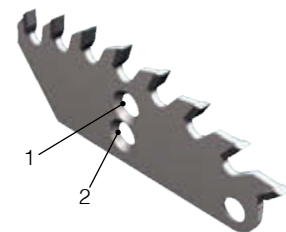
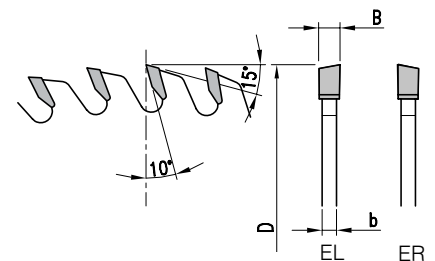
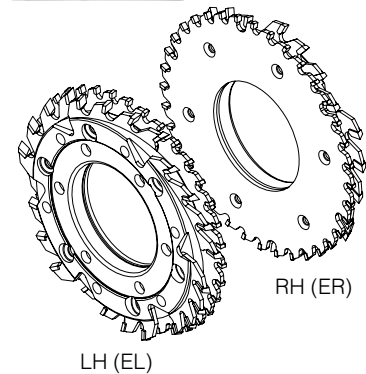
D	B	b	d	Z	NL/TK	Ref. EL	Ref. ER
255	4,0	2,8	130	48	6/9/190	874.255.048.99	874.255.148.99
	4,0	2,8	130	60	6/9/190	874.255.060.99	874.255.160.99
305	4,0	2,8	130	60	6/9/240	874.305.060.99	874.305.160.99
	4,0	2,8	130	72	6/9/240	874.305.072.99	874.305.172.99
355	4,0	2,8	130	72	6/9/300	874.355.072.99	874.355.172.99
	4,0	2,8	130	84	6/9/300	874.355.084.99	874.355.184.99

Spare parts - Pièces de recharge

	Ref.
4 – Screw for segment - Vis pour segment	M8x12 705.341.12
5 – Screw for saw blade - Vis pour lames de scie	M5x12 705.300.12

MEC HW EL
ER

893



Saw blade segment with two different hole positioning to allow adjustment on different cutting needs.

- 1- Position for long grain cut
- 2- Position for cross grain cut

Segment conçu avec 2 positions de trous d'entraînement de réglage pour genre de coupe souhaitée.

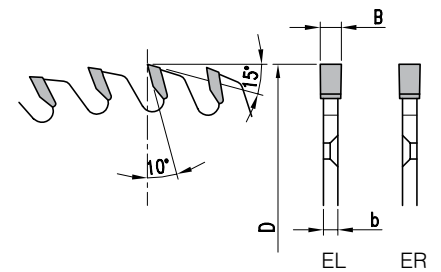
- 1- Positionnement pour coupe longitudinale..
- 2- Positionnement pour coupe transversale.

Spare circular saw blades for hoggers
Lames de scie de rechange pour déchiqueteurs

D	B	b	d	Z	NL/TK	Ref. LH	Ref. RH
205	4,0	2,8	80	44	F	4/9/140	874.205.044.80 874.205.144.80
255	4,0	2,8	80	48	F	6/9/190	874.255.048.80 874.255.148.80
	4,0	2,8	80	60	F	6/9/190	874.255.060.80 874.255.160.80
305	4,0	2,8	80	72	F	6/9/240	874.305.072.80 874.305.172.80

Spare saw blades for AKE hoggers.

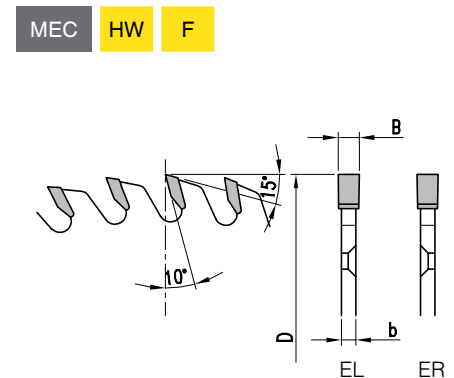
Lames de scie de rechange pour déchiqueteur AKE.



D	B	b	d	Z	NL/TK	Ref. LH	Ref. RH
new 250	4,0	2,8	80	48	F	6/6,5/200	874.250.448.80 874.250.348.80
new	4,0	2,8	100	48	F	6/6,5/200	874.250.448.99 874.250.348.99
new	4,0	2,8	80	72	F	6/6,5/200	874.250.472.80 874.250.372.80
new	4,0	2,8	100	72	F	6/6,5/200	874.250.472.99 874.250.372.99

Spare saw blades for Leuco hoggers.

Lames de scie de rechange pour déchiqueteur Leuco.

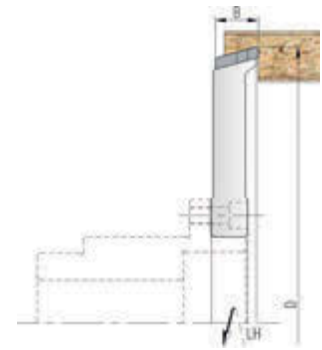


D	B	d	Z	n.max	Ref. LH	Ref. RH
DP=5mm						
250	10/20	80	30+6+6	7000	A806.250.020.80	A806.250.120.80
	10/20	80	36+6+6	7000	A806.250.022.80	A806.250.122.80
	10/20	80	42+6+6	7000	A806.250.024.80	A806.250.124.80
	10/20	80	48+6+6	7000	A806.250.026.80	A806.250.126.80
	10/20	80	60+6+6	7000	A806.250.028.80	A806.250.128.80
DP=6mm						
250	10/20	80	30+6+6	7000	A806.250.021.80	A806.250.121.80
	10/20	80	36+6+6	7000	A806.250.023.80	A806.250.123.80
	10/20	80	42+6+6	7000	A806.250.025.80	A806.250.125.80
	10/20	80	48+6+6	7000	A806.250.027.80	A806.250.127.80
	10/20	80	60+6+6	7000	A806.250.029.80	A806.250.129.80

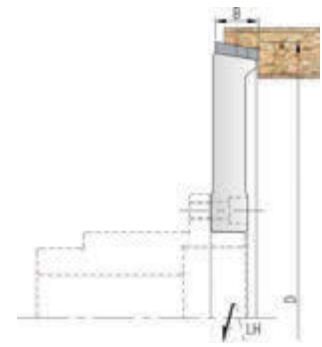
D	B	d	Z	n.max	Ref. LH	Ref. RH
DP=5mm						
250	10/20	80	30+6+6	7000	A806.250.320.80	A806.250.220.80
	10/20	80	36+6+6	7000	A806.250.322.80	A806.250.222.80
	10/20	80	42+6+6	7000	A806.250.324.80	A806.250.224.80
	10/20	80	48+6+6	7000	A806.250.326.80	A806.250.226.80
	10/20	80	60+6+6	7000	A806.250.328.80	A806.250.228.80
DP=6mm						
250	10/20	80	30+6+6	7000	A806.250.321.80	A806.250.221.80
	10/20	80	36+6+6	7000	A806.250.323.80	A806.250.223.80
	10/20	80	42+6+6	7000	A806.250.325.80	A806.250.225.80
	10/20	80	48+6+6	7000	A806.250.327.80	A806.250.227.80
	10/20	80	60+6+6	7000	A806.250.329.80	A806.250.229.80

MEC DP

A806



Cutting with the grain.
Déchiquetage en long.



Cutting against the grain.
Déchiquetage en travers.

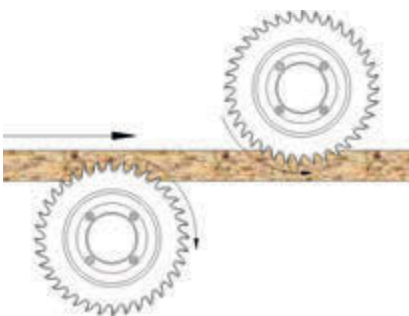


Table for double hogger
Table pour déchiqueteur double

Edges - Couteaux (Z)	Feed - Avance (m/min)
30+6+6	32
36+6+6	40
42+6+6	45
48+6+6	50
60+6+6	60

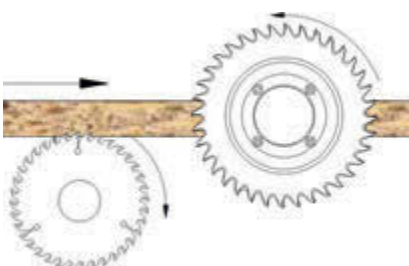


Table for hogger/scoring
Table pour déchiqueteur/Inciseur

Edges - Couteaux (Z)	Feed - Avance (m/min)
30+6+6	20
36+6+6	25
42+6+6	27
48+6+6	30
60+6+6	40

Advantages:

- New cutting geometry
- Better finishing
- Increased performance

Avantages:

- Nouvelle géométrie de la dent
- Meilleure finition
- Plus grande rentabilité



D	B	d	Z	n.max	Ref.LH	Ref.RH
DP=7mm						
250	8/16	80	30+6	7000	A815.250.030.80	A815.250.130.80
	8/16	80	36+6	7000	A815.250.036.80	A815.250.136.80
	8/16	80	42+6	7000	A815.250.042.80	A815.250.142.80

MEC DP

A815

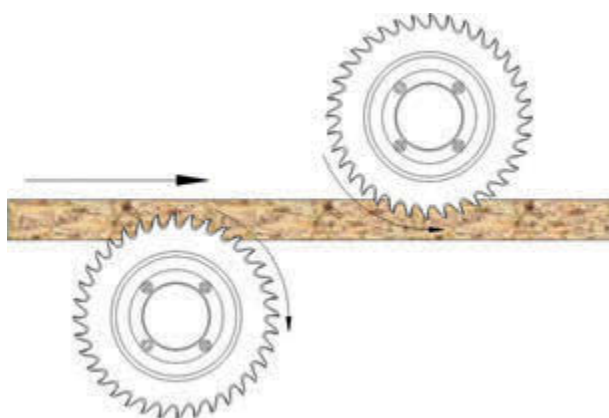
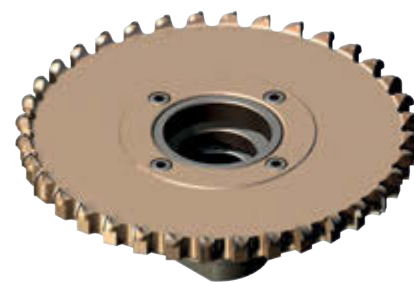
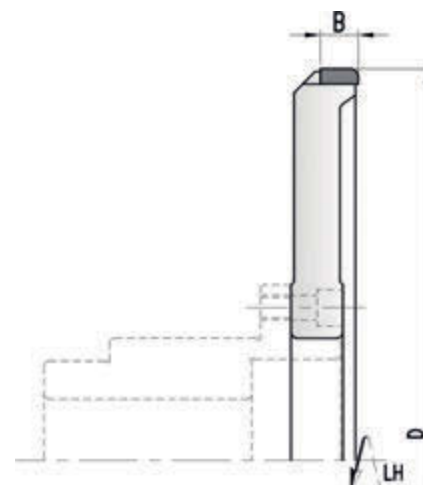


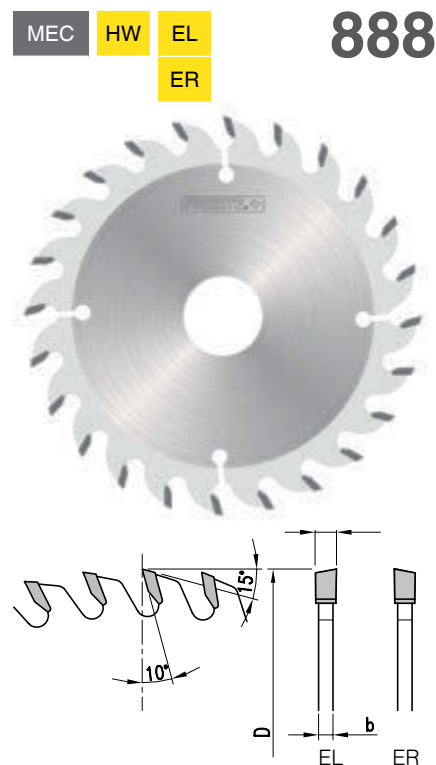
Table for double hogger
 Table pour déchetteur double

Edges-Couteaux (Z)	Feed-Avance (m/min)
30+6	32
36+6	40
42+6	45



Circular saw blades for edge banders Lames de scie pour plaqueuse de chants

	D	B	b	d	Z		Ref.EL	Ref.ER
	80	3,2	2,2	30	12	Bi-Matic	888.080.012.30	888.080.112.30
	85	3,2	2,2	30	12	Bi-Matic	888.085.012.30	888.085.112.30
	100	2,6	1,6	32	20	Homag, Brandt	888.100.020.32	888.100.120.32
new		3,0	2,2	32	30	Cehisa	888.100.030.32	888.100.130.32
		3,2	2,2	30	20	Tecnoma	888.100.020.30	888.100.120.30
		3,2	2,2	22	20	Griggio, Homag Wilmsmeyer	888.100.020.22	888.100.120.22
	110	3,0	2,2	30	20	Homburg	888.110.020.30	888.110.120.30
		3,0	2,2	32	20	SCM, Olympic	888.110.020.32	888.110.120.32
new		3,6	2,4	22	20W	Holz-Her	888.110.320.22	888.110.320.22
		3,6	2,4	32	20	IDM	888.110.220.32	888.110.320.32
		3,2	2,2	32	30	Homag, Brand, Cehisa	888.110.030.32	888.110.130.32
	125	3,2	2,2	22	36	Camal	888.125.036.22	888.125.136.22
new	130	3,6	2,8	30	24	Biesse	888.130.024.30	888.130.124.30
	140	3,2	2,2	16	36	OTT	888.140.036.16	888.140.136.16
		3,2	2,2	30	36	OTT	888.140.036.30	888.140.136.30
	160	3,2	2,2	22	48	IMA	888.160.048.22	888.160.148.22
new		3,2	2,2	22	48W	IMA	888.160.248.22	888.160.248.22



Saw blades for CNC machines Lames de scie pour commande numérique

	D	B	d	Z	NL/TK	Ref.
novo	100	3,2	30	20	F	Weeke 883.100.020.30
	120	3,2	30	24	W	4/6/48 883.120.024.30
novo		4,0	35	30	W	1/6/46 Biesse 883.120.030.35
	150	3,2	30	24	W	4/6/48 883.150.024.30
		3,2	30	36	W	4/6/48 883.150.036.30
	180	3,2	30	30	W	4/6/52 Homag, Weeke 883.180.030.30
		3,2	30	36	W	4/6/52 Homag, Weeke 883.180.036.30
		3,2	30	42	W	4/6/52 Homag, Weeke 883.180.042.30
		3,2	30	56	W	4/6/52 Homag, Weeke 883.180.056.30
		3,2	35	30	W	1/6/50 Biesse 883.180.030.35
		3,2	35	58	W	1/6/50 Biesse 883.180.058.35
	220	2,8	30	36	W	4/6,5/60 IMA 883.220.036.30
	240	3,2	30	54	TF	4/5,5/52 Homag 883.240.054.30
	250	3,2	35	40	W	1/6/50 Biesse 883.250.040.35
		3,2	30	60	W	2/7/42+2/10/60 Homag 883.250.060.30
		3,2	30	60	TF	2/7/42 Homag 883.250.160.30
	280	3,2	30	60	TF	2/7/42 Homag 883.280.060.30



Circular saw blades for use on CNC aggregates.

Scies circulaires, spécialement versées pour équiper agrégats sur machines à commande numérique.

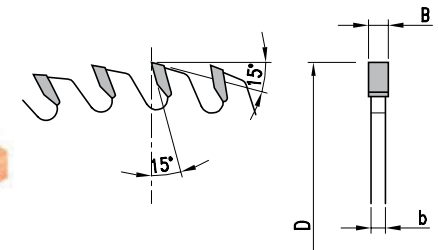


Grooving saw blades Lames de scie à rainer

D	B	b	d	Z	Ref.
150	2,5	1,8	30	12	880.150.012.03
	3,0	2,0	30	12	880.150.012.04
	3,5	2,5	30	12	880.150.012.05
	4,0	2,8	30	12	880.150.012.06
	4,5	3,5	30	12	880.150.012.07
	5,0	3,5	30	12	880.150.012.08
	6,0	3,9	30	12	880.150.012.09
	8,0	6,0	30	12	880.150.012.10
	10,0	7,0	30	12	880.150.012.11
150	2,5	1,8	30	24	880.150.024.03
	3,0	2,0	30	24	880.150.024.04
	3,5	2,5	30	24	880.150.024.05
	4,0	2,8	30	24	880.150.024.06
	4,5	3,5	30	24	880.150.024.07
	5,0	3,5	30	24	880.150.024.08
	6,0	3,9	30	24	880.150.024.09

Grooving saw blades for solid wood, chipboard and plastic.

Lame de scie à rainer, coupe en bois massif, aggloméré et plastique.



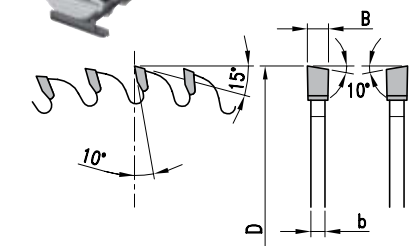
MEC HW F **880**

Saw blades for portable saws Lames de scie pour machines portatives

D	B	b	d	Z	NL/TK	Ref.
new 120	1,8	1,2	20	36	2/5,5/30	876.120.036.20
150	2,6	1,6	30	24		876.150.024.30
new 160	2,2	1,6	20	24	2/6/32	876.160.024.20
160	2,2	1,6	20	48	2/6/32	876.160.048.20
	2,6	1,6	30	24		876.160.024.30
180	2,8	1,8	30	30		876.180.030.30
190	2,4	1,6	30	24	2/7/42	876.190.024.30
200	2,8	1,8	30	36		876.200.036.30
new 210	2,6	1,6	30	48	2/7/42	876.210.048.30
216	2,6	1,6	30	48neg		876.216.048.30
new	2,6	1,6	30	64neg		876.216.064.30
	2,8	1,8	30	24neg		876.216.024.30
	2,8	1,8	30	60neg		876.216.060.30
	2,8	1,8	30	80neg		876.216.080.30
230	3,0	2,0	30	24		876.230.024.30
235	3,0	2,0	30	34		876.235.034.30
new 250	3,2	2,2	30	40	2/7/42+2/10/60	876.250.040.30

The blades are produced with the same steel and carbide as the industrial saw blades.

Lames de scie pour machines portatives, fabriquées avec le même acier et carbure des lames de la gamme industrielle.



MAN HW W **876**

Construction saw blades
Lames de scie pour chantier

D	B	b	d	Z	NL/TK	Ref.
300	3,4	2,2	22	20	2/7/42+2/10/60	881.300.020.22
	3,4	2,2	30	20	2/7/42+2/10/60	881.300.020.30
350	3,6	2,6	30	24	2/7/42+2/10/60	881.350.024.30

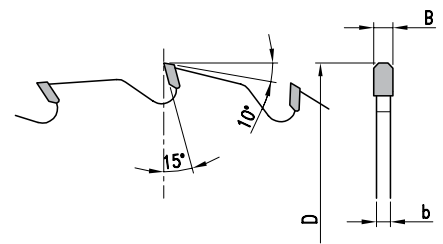
Construction site saw blade for ripping and crosscutting.

Lame de scie propre pour utilisation en chantiers.



MAN HW T

881



Construction saw blades
Lames de scie pour chantier

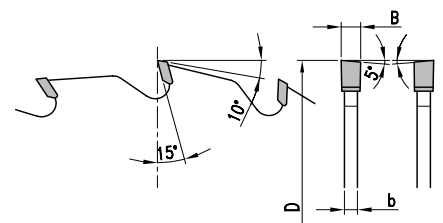
	D	B	b	d	Z	NL/TK	Ref.
new	500	4,4	2,8	30	36	2/7/42+2/10/60	896.500.036.30
new	550	4,8	3,2	30	44	2/7/42+2/10/60	896.550.044.30
new	600	5,2	3,8	30	48	2/7/42+2/10/60	896.600.048.30
new	650	5,2	3,6	30	54	2/7/42+2/10/60	896.650.054.30
new	700	5,6	4,0	30	60	2/7/42+2/10/60	896.700.060.30

Universal Circular saw blade. Suitable for cutting dry or wet wood , as well as Heraklith panel. Suitable for construction site work.

Lame de scie pour application universelle. Pour coupe de bois sec ou humide et panneaux Heraklith. Usage indiqué pour travaux en chantiers.

MAN HW W

896



Aluminium processing saw blades Lame de scie pour aluminium

Saw blades for cutting non-ferrous materials.

Use of coolant is recommended, as it gives a superior finish and extended lifetime to the saw blade. The material must always be well clamped in order to avoid vibration. Narrow toothed saw blades for sawing thin walled non-ferrous metals and plastics. Maximum material thickness up to 7 mm.

Lame de scie pour usinage de matériaux non ferreux.

Nous recommandons l'utilisation de réfrigération pour meilleure surface de coupe et extension de durée de vie. Veuillez vérifier que le matériel à usiner soit bien fixé pour éviter toutes vibrations. Grand nombre de dents pour la coupe de plaques fines de matériaux non ferreux ou plastiques, épaisseur maximum de 7 mm.

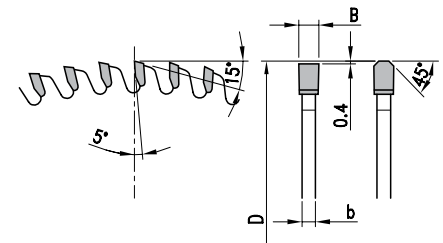


D	B	b	d	Z	NL/TK	Ref.
250	3,2	2,6	30	80	2/7/42+ 2/9/46,4 +2/10/60	877.250.080.30
	3,2	2,6	32	80	2/11/63	877.250.080.32
300	3,2	2,6	30	96	2/7/42+ 2/9/46,4 +2/10/60	877.300.196.30
	3,2	2,6	32	96	2/11/63	877.300.196.32
350	3,6	3,0	30	84	2/7/42+ 2/9/46,4 +2/10/60	877.350.084.30
	3,6	3,0	32	84	2/11/63	877.350.084.32
	3,6	3,0	30	108	2/7/42+ 2/9/46,4 +2/10/60	877.350.108.30
400	4,0	3,2	30	120	4/10/63	877.350.108.32
	4,0	3,2	32	120	2/11/63	877.400.120.30
450	4,0	3,2	30	128	2/11/63	877.400.120.32
	4,0	3,2	32	128	2/11/63	877.450.128.30
500	4,2	3,4	30	140	2/10,5/70	877.450.128.32
	4,2	3,4	32	140	2/11/63	877.500.140.30
new 550	4,2	3,4	30	140	2/11/63	877.500.140.32
new	4,2	3,4	32	140	2/11/63	877.550.140.30

877 / 878



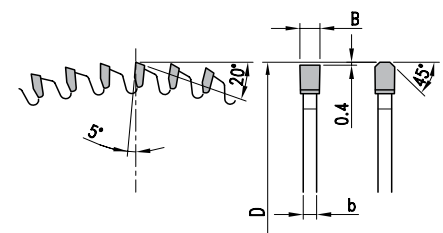
MEC HW TF



Positive rake angle for automatic feed.

Angle d'attaque positif pour avance mécanique.

MAN HW TFN



Negative rake angle for manual feed.

Angle d'attaque négatif pour avance manuel.

D	B	b	d	Z	NL/TK	Ref.
new 160	2,2	1,6	20	48	2/6/32	878.160.048.20
180	2,8	2,0	30	56		878.180.056.30
200	2,8	2,0	30	84		878.200.084.30
215	2,8	2,0	30	64		878.215.064.30
250	3,2	2,6	30	80	2/7/42+ 2/9/46,4 +2/10/60	878.250.080.30
	3,2	2,6	32	80	2/11/63	878.250.080.32
300	3,2	2,6	30	96	2/7/42+ 2/9/46,4 +2/10/60	878.300.196.30
	3,2	2,6	32	96	2/11/63	878.300.196.32
350	3,6	3,0	30	84	2/7/42+ 2/9/46,4 +2/10/60	878.350.084.30
	3,6	3,0	32	84	2/11/63	878.350.084.32
	3,6	3,0	30	108	2/7/42+2/10/60	878.350.108.30
400	4,0	3,2	30	120	4/10/63	878.350.108.32
	4,0	3,2	32	120	2/11/63	878.380.110.32
450	4,0	3,2	30	128	2/11/63	878.400.120.30
	4,0	3,2	32	128	2/11/63	878.400.120.32
500	4,2	3,4	30	140	2/10,5/70	878.450.128.30
	4,2	3,4	32	140	2/11/63	878.450.128.32

D	B	b	d	Z	NL/TK	RPM _{max}	Ref.
160	2,2	1,8	20	30		2800	889.160.030.20
190	2,2	1,8	30	38		2400	889.190.038.30
230	2,2	1,8	30	44	2/7/42+2/10/60	2000	889.230.044.30
250	2,2	1,8	30	48	2/7/42+2/10/60	1800	889.250.048.30
new	2,2	1,8	30	60	2/7/42+2/10/60	1800	889.250.060.30
new	254	2,2	1,8	30	2/7/42+2/10/60	1800	889.254.060.30
	305	2,2	1,8	25,4	60	1500	889.305.060.26
new		2,2	1,8	30	2/7/42+2/10/60	1500	889.305.060.30
		2,2	1,8	25,4	80	1500	889.305.080.26
new		2,2	1,8	30	2/7/42+2/10/60	1500	889.305.080.30
new	355	2,2	1,8	25,4	90	1500	889.355.090.26
new		2,2	1,8	30	2/7/42+2/10/60	1500	889.355.090.30

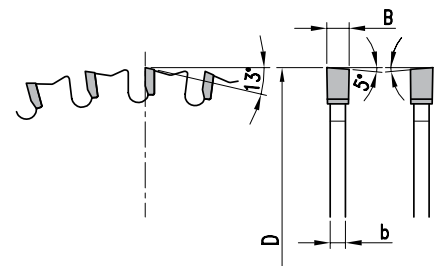
MAN HW W
MEC

889



Circular saw blade for cutting iron based materials, construction steel and sandwich panels. To be used in machines without lubrication. The D=305 / Z=80 is specially recommended for cutting stainless steel.

Lame de scie pour la coupe de métaux ferreux, aciers de construction et panneaux sandwich. Lame de scie avec D=305 et Z=80, est spécialement conçue pour la coupe d'acier inoxydable.

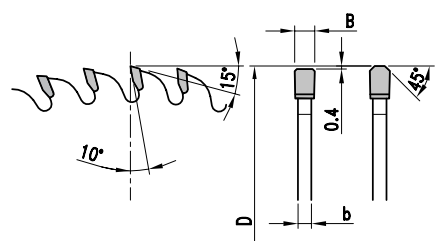


Saw blades for ALUCOBOND®
Lames de scie pour ALUCOBOND®

	D	B	b	d	Z	NL/TK	Ref.
new	250	3,2	2,2	30	60	2/7/42+2/10/60	898.250.060.30
new		3,2	2,2	30	80	2/7/42+2/10/60	898.250.080.30
new	300	3,2	2,2	30	72	2/7/42+2/10/60	898.300.072.30
new		3,2	2,2	30	96	2/7/42+2/10/60	898.300.096.30

Circular Saw blade for the cut of Alucobond boards in horizontal sliding saws and vertical panel sizing machines.

Lame de scie pour coupe d' Alucobond pour machines scie à plat et machines scie à panneaux vertical.



Diamond saw blade for cutting fiber cement and façades
Lame de scie DP pour la coupe de plaques pour toits et façades en fibrociment

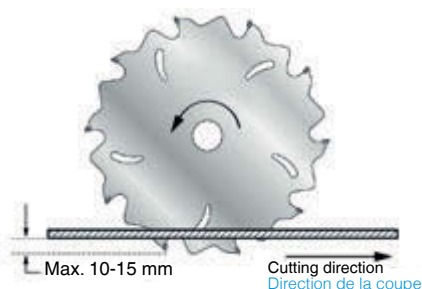
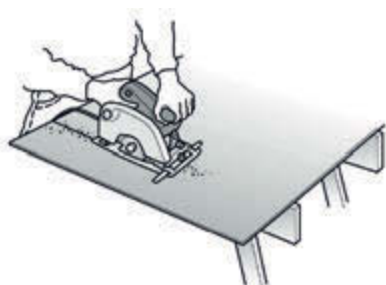


	D	B	b	d	Z	Ref.
DP=4mm						
new	120	1,8	1,2	20	8	A887.120.008.20
	160	2,4	1,8	20	10	A887.160.010.20
new	184	2,4	1,8	5/8"	10	A887.184.010.15
	190	2,4	1,8	30	12	A887.190.012.30
new	210	2,6	2,0	30	14	A887.210.014.30
	216	2,6	2,0	30	14	A887.216.014.30
	250	2,6	2,0	30	16	A887.250.016.30
	300	2,8	2,2	30	20	A887.300.020.30



The Geometry of the PCD (Polycrystalline Diamond) cutting edge and the special sawbody design will assure an exceptional quality of cut and a long lasting tool life. In comparison with a traditional cutting disc, the saw blade will significantly reduce the amount of dust created during cutting.

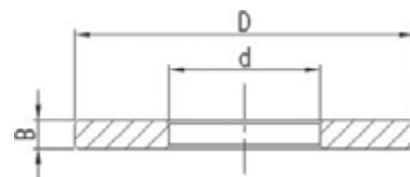
La géométrie de la dent au diamant polycristalin (DP) et la forme spéciale du corps assurent une formidable qualité de coupe et durée de vie assez longue. En comparaison avec la coupe d'une lame de scie traditionnelle, celle-ci produit une significative réduction des résidus de poussière.



Reducing rings for saw blades
Bagues de réduction pour lames de scies circulaires

d	B	D	Ref.
16	2	30	712.113
20	2	25	712.114
	2	30	712.112
	2	32	712.110
	2	35	712.106
25	2	30	712.111
	2	32	712.109
	2	35	712.105
25,4	2	32	712.108
30	2	32	712.107
	2	35	712.104
32	2	35	712.103
	2	40	712.102
35	2	40	712.101

712



Saw blades display cabinet Vitrine pour lames de scie

A440

To better promote the saw blades, FREZITE has now available a new display that will help you highlight your saw blades at your selling point. It's a strong, robust steel structure covered with premium Portuguese cork. It's very easy to assemble with double sided display area for 360 deg visibility. With four hanging lines on each side, you can adjust your display to the different diameter saw blade's and meet your market needs.

For further information on this saw blade display, please contact FREZITE.

Pour une meilleure divulgation des lames de scie circulaire, FREZITE met à votre disposition un nouveau présentoir pour y exposer des lames de scie et, qui vous aidera certainement, à mettre en valeur le produit dans votre point de vente. Le présentoir est muni d'une structure légère et robuste en fer et revêtu en liège de nationalité portugaise. Son montage est simple et facile et présente une double face d'exposition, ce qui permet aux produits exposés une visibilité à 360°. Notre présentoir permet 4 lignes de produits sur chaque joue, ce qui vous permettra d'y accrocher plusieurs références de lames de scie circulaire avec différents diamètres, donnant la possibilité d'offrir une plus grande variété à vos clients. Pour plus d'informations sur le nouveau présentoir de lames de scie circulaire FREZITE, n'hésitez pas à nous contacter, s.v.p.

L	H	B	Ref.
1910	1020	210	A440.100.102.00
















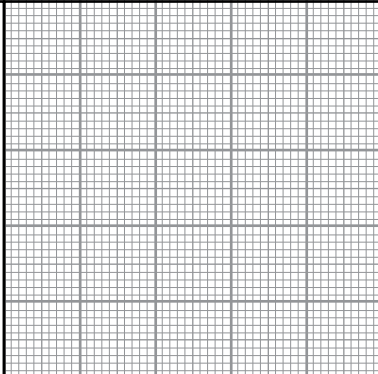
Query for special saw blades
Questionnaire pour lames de scie spéciales

Client:
 Adress:
 Cod: Town-Ville:
 Telef.: Fax:

Contact :
 Telef.....
 Mobile - Portable:
 Date:/...../.....

Tooth geometry - Géométrie des dents

 <input type="checkbox"/> F	 <input type="checkbox"/> EL	 <input type="checkbox"/> ER	 <input type="checkbox"/> T	 <input type="checkbox"/> K	 <input type="checkbox"/> H	 <input type="checkbox"/> D
 <input type="checkbox"/> W	 <input type="checkbox"/> FV	 <input type="checkbox"/> KW	 <input type="checkbox"/> TF	 <input type="checkbox"/> WE	 <input type="checkbox"/> DH	




Material - Matériel à usiner

Multi-rip saw
Déligneuse

Panel sizing machine
Scie à Poutre

Cross cut saw
Scie à panneaux

Edge banding machine
Plaqueuse de chant

Others-Autres:

Producer-Fabricant:

Model-Modèle:

Year-Année de fabrication:

Rotation-Rotation:RPM

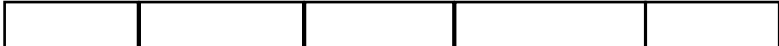
Feed-Alimentation
max / min:...../mts/min.

Flange-Flasque: Ø.....mm

Saw blade specifications - Description de la lame de scie

HW DP

D B / b d KN / NL Z



Number of Pinhole Total
Nombre de trous d'ergot

Cutting sense - Sens de coupe:

Cutting towards the grain
Longitudinal (en avalant des fibres)

Cutting against the grain
Transversal (Contre les fibres)

Material - Matériel à usiner

Solid wood-Bois massif

Hard wood - Bois dur

Plastic laminates - Laminé plastic

Particle board - Aggloméré

Coated particle board-Aggloméré revêtus

1 face-face 2 faces-faces

MDF-MDF

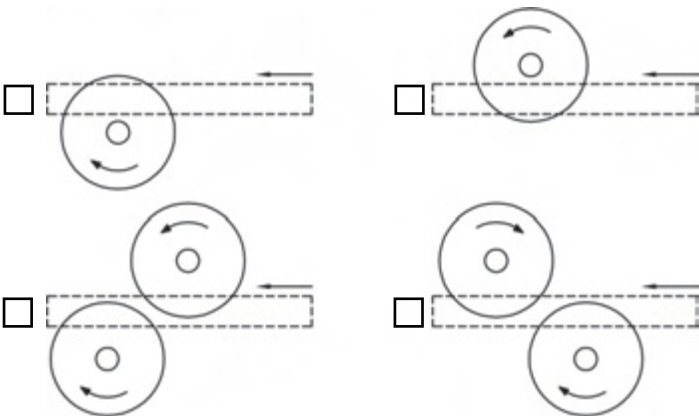
Coated MDF-MDF revêtus

1 face-face 2 faces-faces




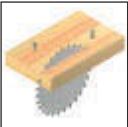

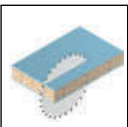






Aluminium-Aluminium

Others-Autres.....

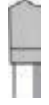













Working details - Caractéristiques du travail



Symbols-Symboles

	Longitudinal cuts in solid wood in multi-rip saws. Pour coupe longitudinale en bois massif. Déligneuses.
	Longitudinal cuts in solid wood. Pour coupe longitudinale en bois massif.
	Longitudinal and cross cuts in solid wood. Pour coupe longitudinale ou transverse en bois massif.
	Construction saw blade. Lame de scie de chantier.
	For cutting chipboard and MDF. Pour coupe d'aggloméré et MDF.
	For cutting coated chipboard /MDF. Pour coupe d'aggloméré/MDF revêtue a mélamine ou PVC.
	For cutting wood coated chipboard /MDF. Pour coupe d'aggloméré/MDF revêtue à feuille de bois.
	For longitudinal and cross cuts in chipboard. Pour coupe longitudinale ou transverse sur contre-plaqué.
	Grooving saw blades. Lame de scie à rainer.
	Saw blades for circuit boards, cork and other thin syntectic materials. Lame de scie pour circuits électroniques, liège et autres matériels synthétiques d'épaisseurs minces.
	For cutting aluminium and PVC profiles. Pour coupe de profils d'aluminium et PVC.
	Saw blades for metals. Lame de scie pour la coupe de métaux.

Geometry of the teeth - Géométrie des dents

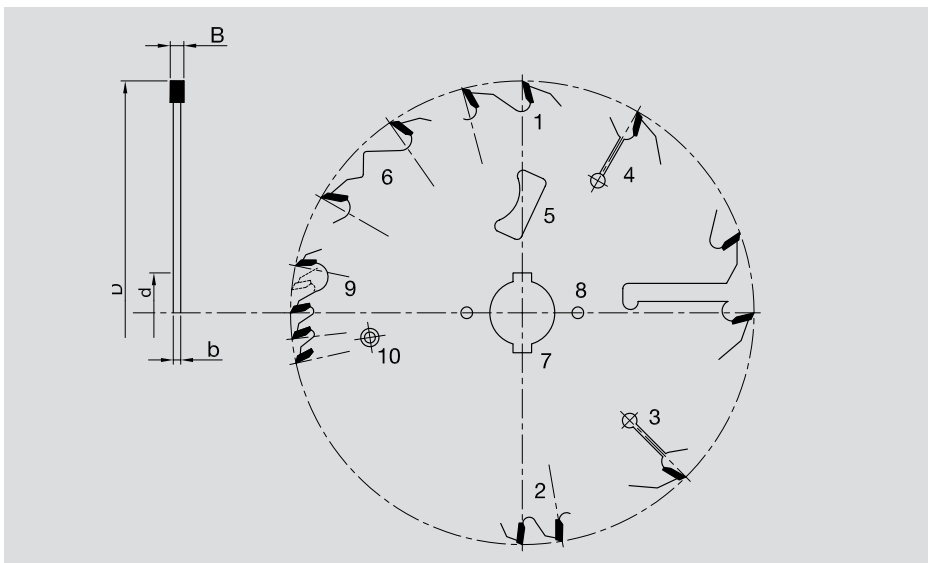
	D - Inverted V. Pointue.
	DH - Hollow, inverted V. Plate-pointue-creuse
	EL - Left bevel. Alternée gauche.
	ER - Right bevel. Alternée droite.
	F - Flat. Plate.
	FV - Flat split. Extensible plate.
	H - Hollow face. Concave.
	T - Triple chip grind. Trapézoïdal.
	TF - Triple chip flat. Trapézoïdal plate.
	TFN- Negative triple chip flat. Trapézoïdal plate négatif.
	K - Conical flat. Conique.
	KW - Conical alternat. Alternée conique.
	W - Alternate top bevel. Alternée.
	WE - Alternate top bevel with chanfer. Alternée chanfrein.

■ TERMINOLOGY

B	- Cutter width
b	- Body thickness
D	- Cutter diameter
d	- Bore
Flmax	- Flange diameter
KN	- Keyway
NL	- Pinhole
n.max	- RPM
Rz	- Scrapers
TK	- Diameter for pin holes
Tmax	- Grooving depth
Z	- Edges
α	- Cutting angle

■ TERMINOLOGIE

B	- Épaisseur de coupe
b	- Épaisseur du corps
D	- Diamètre de coupe
d	- Alésage
Flmax	- Flange diamètre
KN	- Rainure de clavette
NL	- Trous d'entraînement
n.max	- Vitesse angulaire(r.p.m.)
Rz	- Gratteurs
TK	- Entraxe de trous d'argots
Tmax	- Profondeur de la rainure
Z	- Couteaux
α	- Angle de coupe



1. Positive hook angle
2. Negative angle
3. Expansion slots
4. Expansion slots with copper rivets
5. Frigovit cooling slot
6. Chip thickness limitation
7. Keyway
8. Pinhole
9. Recess for hogger
10. Countersunk holes for trimming hoogers

1. Angle de coupe positive
2. Angle de coupe négative
3. Fente de dilatation
4. Fente de dilatation + rivet cuivre
5. Fente de refroidissement
6. Limiteur de refroidissement
7. Clavette
8. Trous d'entraînement
9. Encoche pour segment dechiqueteur
10. Trou de fixation des segments

Technical information Informations techniques

■ CUTTING FEED (Surface quality).

The quality to be obtained on a surface is associated to the cutting feed especially of each tooth feed and the number of teeth of the tool.

The feed speed can be easily calculated as following:

$$V_f = \frac{F_z \times n \times Z}{1000} \text{ m/min}$$

Whereas:

Fz= Feed Speed per edge in mm/rotation.

n= Maximum allowable cutter RPM.

Z= Number of teeth.

■ AVANCE DE COUPE (Qualité de la surface)

La qualité pour obtenir une surface est associée à l'avance de coupe, surtout à l'avance de chaque dent et du numéro de dents de l'outil.

L'avance de coupe peut être déterminé selon la formule suivante:

$$V_f = \frac{F_z \times n \times Z}{1000} \text{ m/min}$$

Dans laquelle:

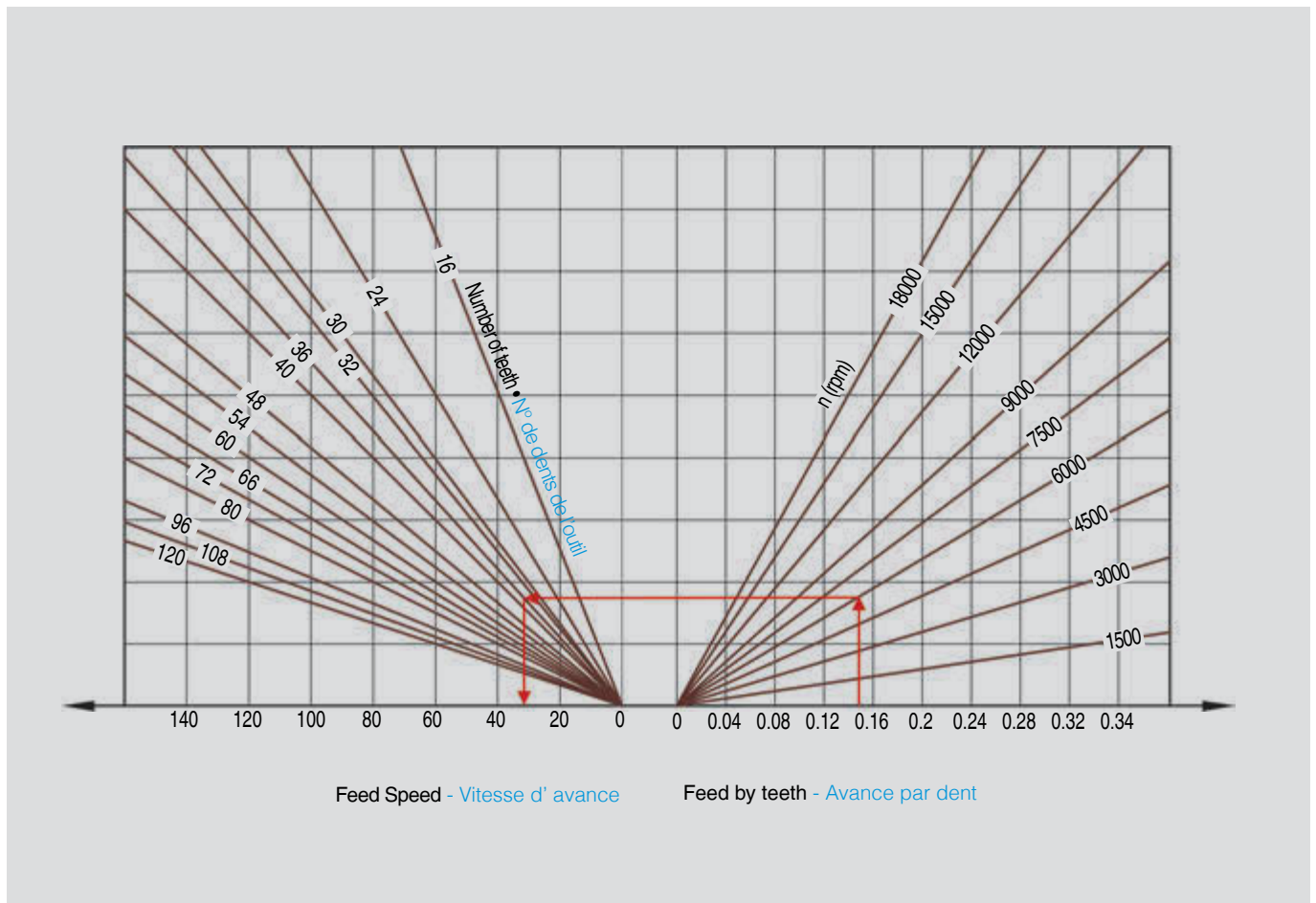
Fz= Avance par dent

n= N° de rotations par minute

Z= N° de dents de l'outil.

■ GRAPHIC TO DETERMINE the number of teeth / Feed.

■ TABLEAUX POUR DÉTERMINER le numéro de dents / Vitesse d'avance



Technical information Informations techniques

FEED BY TEETH RECOMMENDED
for different kinds of materials

AVANCE PAR DENT RECOMMANDÉ
pour différents matériaux.

Materials	Matériaux	Fz (mm)
Solid wood	Bois massif	0,10-0,20
Particle board	Contreplaqué	0,05-0,25
Chip board	Aggloméré	0,03-0,08
ACoated chip board	Agglomérée revêtu	0,03-0,06
Aluminium	Aluminium	0,05-0,12
Al-Mg-Cu	Al-Mg-Cu	0,03-0,08
Fiber cement	Fibrociment	0,02-0,05
Thermoplastics	Thermoplastiques	0,05-0,15

Example:

To determine the feed of a saw blade with 36 teeth with a feed of $Fz=0,15$ and an angular speed of 6000 RPM.

$V_f = 32,4$ m/min

Exemple :

Déterminer l'avance de coupe pour une lame de scie de 36 dents avec un avance par dent de $Fz=0,15$ est une rotation de 6000 RPM.

$V_f = 32,4$ m/min

■ CUTTING SPEED

The cutting speed, i.e. the speed of the cutter edge radius is calculated considering the diameter of the cutter on the cutting point and in the number of rotations (angular speed). It is calculated from the formula:

$$V_c = \frac{D \times \pi \times n}{1000 \times 60} \text{ m/s}$$

Whereas

D= External diameter in mm

n= Number of rotations per min.

π = Constant = 3,14

■ VITESSE DE COUPE

La vitesse de coupe, ou la vitesse des points de la périphérie des couteaux d'un outil, est calculée selon le diamètre de la fraise au point de coupe considéré et du numéro de rotations (vitesse angulaire). Elle est déterminée par la formule suivante:

$$V_c = \frac{D \times \pi \times n}{1000 \times 60} \text{ m/s}$$

Dans laquelle :

D= Diamètre extérieur en mm

n= N° de rotations par minute

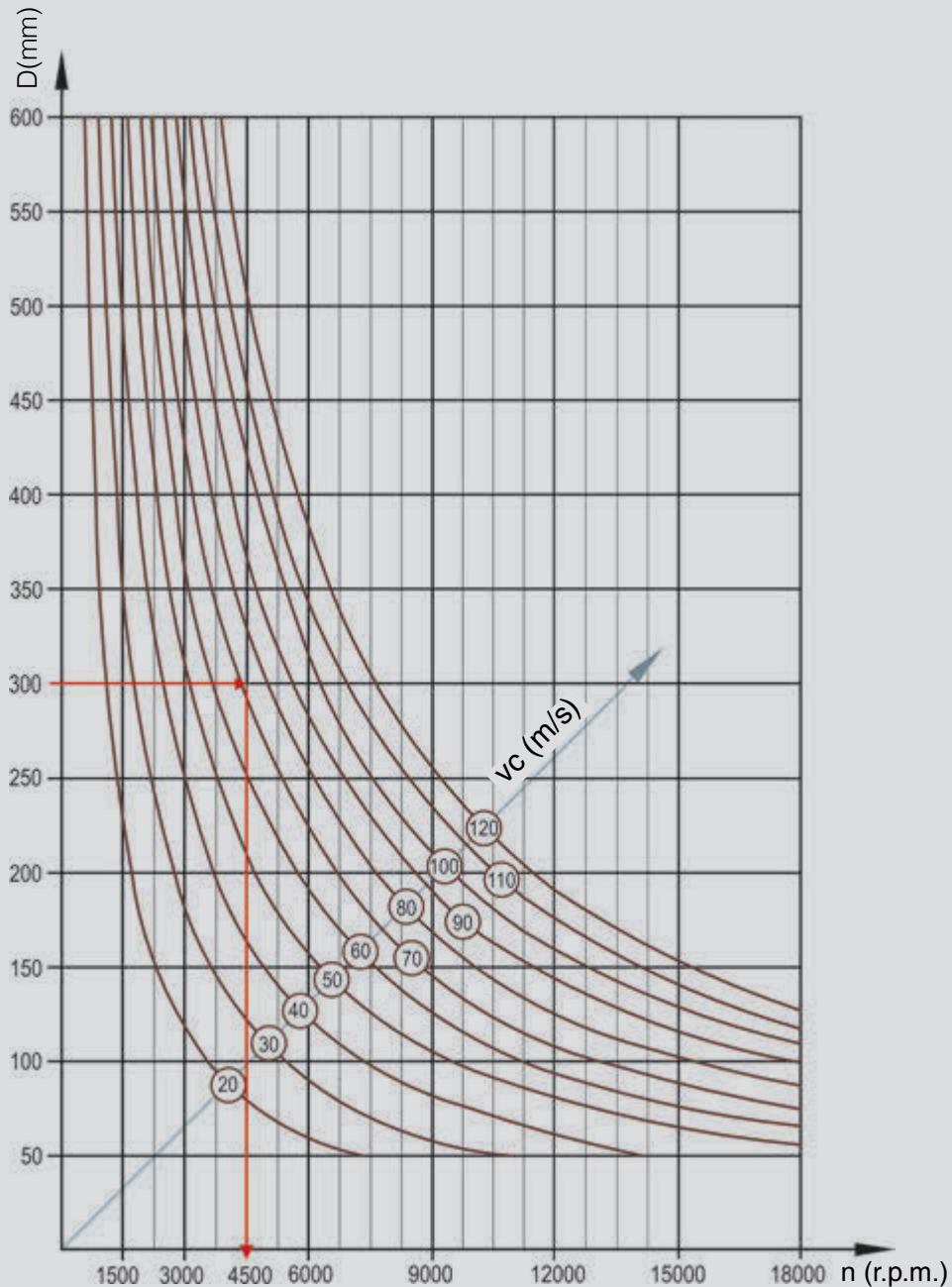
π = Constant = 3.14

RECOMMENDED CUTTING SPEEDS for different kinds of wood.	VITESSES DE COUPE RECOMMANDEZ pour différents genres de matérielles.	Vc (m/s)
Soft woods	Bois tendres	60-100
Hard woods	Bois durs	55-90
Exotic wood	Bois exotique	50-85
Particle board	Contre-plaqué	50-80
Chip board	Aggloméré	60-80
Coated chip board	Agglomérée revêtu	60-80
MDF	MDF	60-80
Fenolic laminates	Laminés fenolic	30-60
Corian	Corian	15-50
Aluminium	Aluminium	40-70
Al-Mg-Cu	Al-Mg-Cu	40-60
Fiber cement	Fibrociment	40-60



■ GRAPHIC TO DETERMINE THE DIAMETER OR RPM OF CIRCULAR SAW BLADES.

■ TABLEAUX POUR DÉTERMINER LE DIAMÈTRE OU RPM DES LAMES DE SCIE CIRCULAIRES.



Example:

To determine the circular speed (RPM) of a saw blade with a diameter of 300 mm and a cutting speed of 70 m/s.

Rpm = 4500

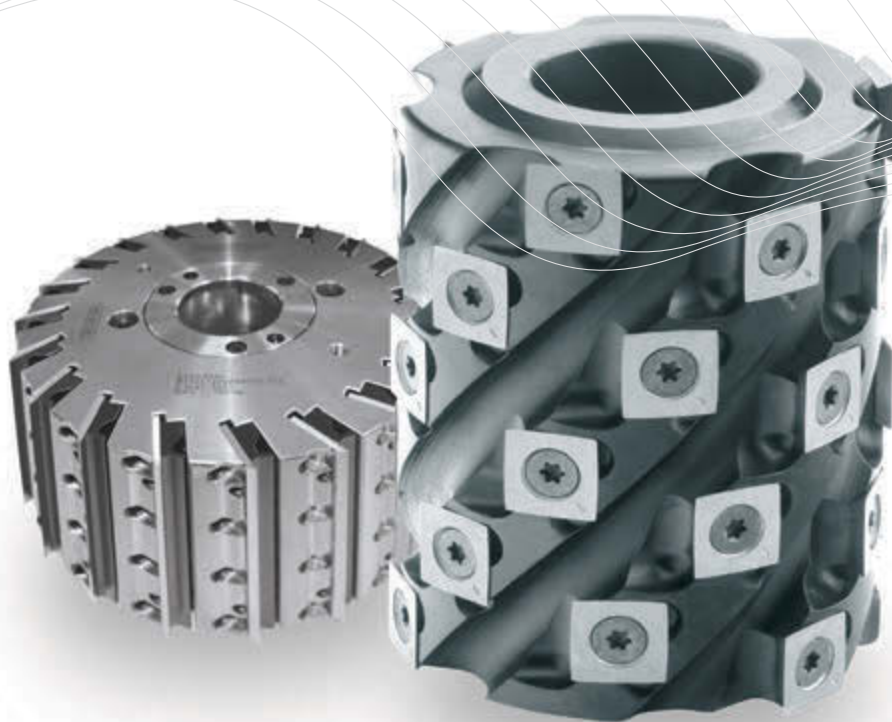
Exemple :

Déterminer la vitesse angulaire (RPM) d'une lame de scie avec diamètre de 300 mm et une vitesse de coupe de 70 m/s.

Rpm = 4500

2

Groovers, rebate, planing cutterblocks and cutterheads Fraises et porte-outils droit



Grooving cutter and cutterhead	
Porte-outils et fraise à rainer	2.3-2.6
Grooving cutter for biscuit joiners	
Fraise à rainer entaillage lamelle bois	2.6-2.8
Groovingbed cutterhead	
Porte-outils de prédégauchissage	2.8
Adjustable thickness grooving cutter and cutterhead	
Porte-outils et fraise à rainer réglable	2.9-2.16
Jointing and planing cutterhead	
Porte-outils à feuillure	2.17-2.19
Jointing cutter and cutterhead	
Porte-outils et fraise à calibrer	2.20-2.22
Cutterhead for guide	
Porte-outils pour guide	2.22
Planing cutterblock and cutterhead	
Porte-outils et fraise à raboter	2.23-2.31
Cutterhead for tenoning machine	
Porte-outils pour tenonneuse à tenons ronds.....	2.32
Cutterhead and cutter for edge banding machine	
Porte-outils et fraise pour plaqueuses de chants	2.33-2.42

Grooving cutterhead Porte-outil à rainer

D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
120	4	20/30	4	4	27	6400-11100	551.091
	5	20/30	4	4	27	6400-11100	551.092
	6	20/30	4	4	27	6400-11100	551.093
140	4	30/50	4	4	32	5500-9500	551.101
	5	30/50	4	4	32	5500-9500	551.102
	6	30/50	4	4	32	5500-9500	551.103

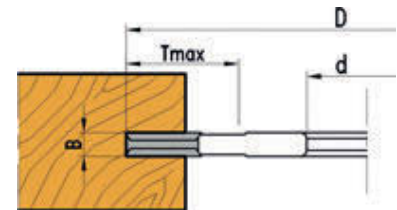
MAN HW

551



Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaque</i>	4	18x18x1,95	766.101
	5	18x18x2,45	766.102
	6	18x18x2,95	766.103
Nut - <i>Écrou</i>	4	11,9x1,7	709.129
	5/6	11,9x2,2	709.127
Spur - <i>Araseurs</i>	4/5/6	14x14x1,2	750.113
Nut - <i>Écrou</i>	4/5/6	9,9x1,6	709.128
Screw - <i>Vis</i>	4	M4x3,2	705.313
	5/6	M4x4,2	705.314
Torx wrench - <i>Clé Torx</i>		T9	706.301



2

Grooving cutterhead Porte-outil à rainer

D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
140	8	30/50	4	4	32	5500-9500	518.101
	10	30/50	4	4	32	5500-9500	518.102
	12	30/50	4	4	32	5500-9500	518.103
	15	30/50	4	4	32	5500-9500	518.104

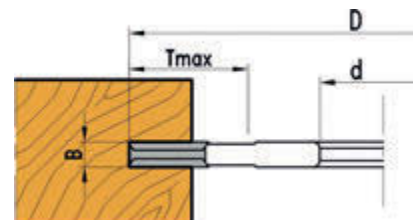
MAN HW

518



Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaque</i>	8	7,5x12x1,5	750.097
	10	9,6x12x1,5	750.098
	12	11,6x12x1,5	750.099
	15	14,6x12x1,5	750.201
Clamping wedge - <i>Cale</i>	8		707.002.07
	10		707.002.08
	12		707.002.10
	15		707.002.13
Screw - <i>Vis</i>	8	M5x16	705.582
	10	M6x16	705.535
	12/15	M8x16	705.542
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		T15	706.304
T Wrench- <i>Clé en T</i>		SW2,5	706.102
		SW3	706.103
		SW4	706.104
Adjusting gauge - <i>Calibre de réglage</i>		0,3/0,8	717.309

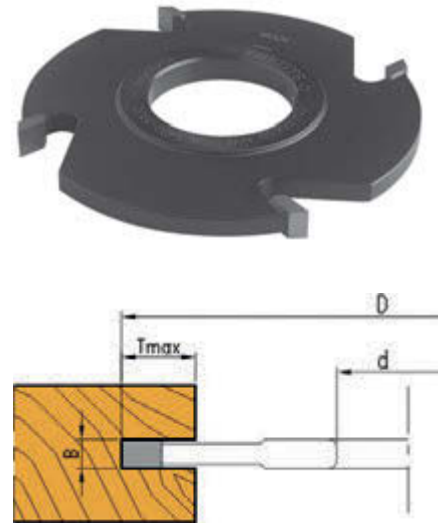


Grooving cutter
Fraise à rainier

D	B	d	Z	T _{max.}	n _{min.-max.}	Ref.
140	4	30/50	4	32	5500 - 9500	004.351
	5	30/50	4	32	5500 - 9500	004.352
	6	30/50	4	32	5500 - 9500	004.353
	7	30/50	4	32	5500 - 9500	004.354
	8	30/50	4	32	5500 - 9500	004.355
	10	30/50	4	32	5500 - 9500	004.356
	12	30/50	4	32	5500 - 9500	004.357
	14	30/50	4	32	5500 - 9500	004.358
	16	30/50	4	32	5500 - 9500	004.359
	20	30/50	4	32	5500 - 9500	004.361

MAN HW

004

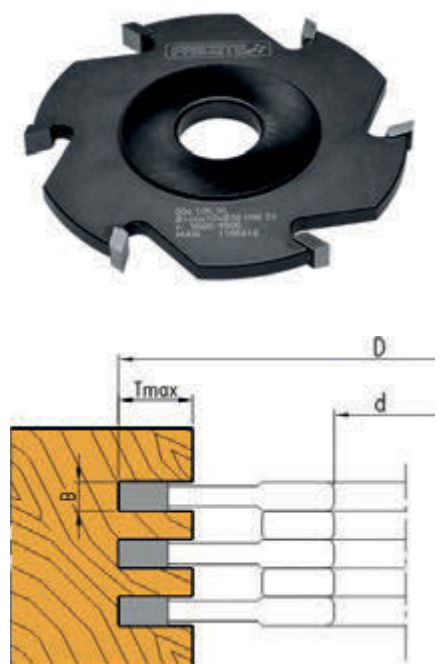


Grooving cutter
Fraise à rainier

D	B	d	Z	T _{max.}	n _{min.-max.}	Ref.
140	4	30/50	6	32	5500-9500	006.100
	5	30/50	6	32	5500-9500	006.101
	6	30/50	6	32	5500-9500	006.102
	8	30/50	6	32	5500-9500	006.104
	10	30/50	6	32	5500-9500	006.105
	12	30/50	6	32	5500-9500	006.106
	14	30/50	6	32	5500-9500	006.107
	16	30/50	6	32	5500-9500	006.108
	20	30/50	6	32	5500-9500	006.110

MAN HW

006



Grooving and rebating diamond cutter
Fraises à rainier et dresser, DP



D	B	d	Z	n _{max.}	Ref.
DP=5mm					
120	4	30	8	12000	A805.120.004.30
	5	30	8	12000	A805.120.005.30
	6	30	8	12000	A805.120.006.30
150	4	30	12	12000	A805.150.004.30
	5	30	12	12000	A805.150.005.30
	6	30	12	12000	A805.150.006.30

MEC DP

A805



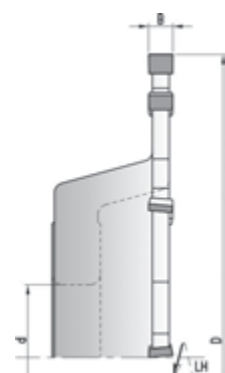
Grooving and rebating diamond cutter
Fraises à rainier et dresser, DP



D	B	d	Z	n _{max.}	Ref.LH	Ref.RH
DP=5mm						
120	5	30	8	10000	A817.120.005.30	A817.120.105.30
	6	30	8	10000	A817.120.006.30	A817.120.106.30
150	5	30	12	10000	A817.150.005.30	A817.150.105.30
	6	30	12	10000	A817.150.006.30	A817.150.106.30

MEC DP

A817

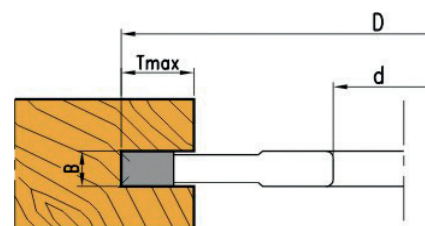


Spur type grooving cutter Fraise à rainier avec araseurs

D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
140	4	30/50	4	4	32	5500-9500	016.301
	5	30/50	4	4	32	5500-9500	016.302
	6	30/50	4	4	32	5500-9500	016.303
	8	30/50	4	4	32	5500-9500	016.304
	10	30/50	4	4	32	5500-9500	016.305
	12	30/50	4	4	32	5500-9500	016.306
	16	30/50	4	4	32	5500-9500	016.307
	20	30/50	4	4	32	5500-9500	016.309
160	4	30/50	4	4	42	4800-8300	016.701
	6	30/50	4	4	42	4800-8300	016.703
	8	30/50	4	4	42	4800-8300	016.704
	10	30/50	4	4	42	4800-8300	016.705
	12	30/50	4	4	42	4800-8300	016.706
	16	30/50	4	4	42	4800-8300	016.707
	20	30/50	4	4	42	4800-8300	016.709

MAN HW

016

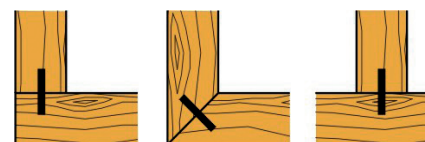


Grooving cutter for biscuit joiners Fraise à rainier entaillage lamelle bois

D	B	d	Z	V	NL	n _{min.-max.}	Ref.
100	3,97	22	4	4	4/4.5/36	7800-13300	580.101

MAN HW

580



Spare parts - Pièces de rechange

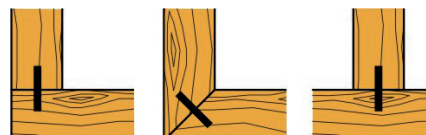
	Dim.	Ref.
Knife - Plaque	18x18x1,95	766.101
Nut - Écrou	11,9x1,7	709.129
Spur - Araseurs	14x14x1,2	750.113
Nut - Écrou	9,9x1,6	709.128
Screw - Vis	M4x3,2	705.313
Torx wrench - Clé Torx	T9	706.301

Grooving cutter for biscuit joiners
Fraise à rainurer pour entaillage lamelle bois

D	B	b	d	Z	NL	n min.-max.	Ref.
100	3,97	2,8	22	6	4/4.5/36	7800-13300	018.201
	3,97	2,8	22	8	4/4.5/36	7800-13300	018.202

MAN HW

018



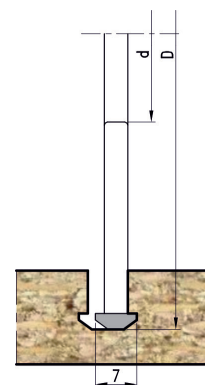
Diamond grooving cutter
Fraise à rainurer DP



D	B	d	Z	NL	n min-max	Ref.
100,4	7	22	3	4/4,5/36	7800-13300	A828.100.107.22

MAN DP

A828



Grooving cutter for minispot Fraise à rainier minispot

D	B	d	Z	NL	n min.-max.	Ref.
100	8	22	4	4/4.3/36	7800-13300	237.101
	15	22	4	2/4,3/36	7800-13300	237.104

MAN HW

237



Groovingbed cutterhead Porte-outils de prédégauçissage

D	B	d	Z	V	n max.	Ref.
125	9	40	2	2	11500	522.103
	10	40	2	2	11500	522.102
	17	40	2	2	11500	522.104
	20	40	2	2	11500	522.101

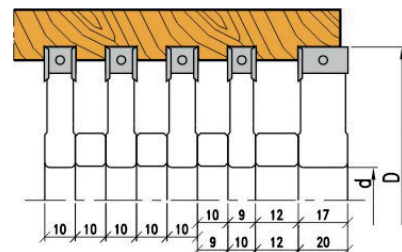
MEC HW

522



Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - Plaquette	9	8,6x12x1,5	750.095
	10	9,6x12x1,5	750.098
	17	17x12x1,5	750.115
	20	20x12x1,5	750.102
Clamping wedge - Cale	9/10		707.002.08
	17		707.002.15
	20		707.002.18
Screw - Vis	9/10	M6x12	705.533
	17/20	M8x16	705.542
Spur - Araseurs		14x14x2	750.111
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		T15	706.304
T Wrench - Clé en T		SW3	706.103
		SW4	706.104
Spacers - Bagues	9		703.411
	10		703.412
	12		703.413
Adjusting gauge - Calibre de réglage		0,3/0,8	717.309



Adjustable thickness grooving cutterhead Porte-outils à rainier extensible

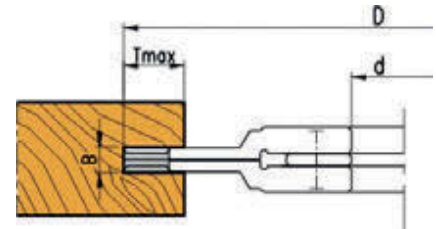
D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
160	4-7,5	30/50	8	4	32	4800-8300	538.101
	4-15	30/50	8	4	32	4800-8300	538.151
180	4-7,5	30/50	8	4	38	4300-7400	538.501
	4-15	30/50	8	4	38	4300-7400	538.551

Spare parts - Pièces de rechange

	B	Dim.	Ref.	
Knife - <i>Plaque</i>		7,5 (4-15)	7,5x12x1,5	750.097
Clamping wedge - <i>Cale</i>		7,5 (4-15)		707.002.07
Screw - <i>Vis</i>		7,5 (4-15)	M5x12	705.523
Knife - <i>Plaque</i>		4-7,5	18x18x1,95	766.101
Nut - <i>Écrou</i>		4-7,5	11,9x1,7	709.129
Spur - <i>Araseurs</i>		4-7,5	14x14x1,2	750.113
Nut - <i>Écrou</i>		4-7,5	9,9x1,6	709.128
Screw - <i>Vis</i>		4-7,5	M4x3,2	705.313
T Wrench - <i>Clé en T</i>			SW2,5	706.102
Torx wrench - <i>Clé Torx</i>			T9	706.301
Spacers set - <i>Jeu de bagues</i>		4-7,5		703.032

MAN HW

538



B = 4-7,5: with 2 piece - avec 2 fraises
B = 4-15 : with 3 piece - avec 3 fraises

2

Adjustable thickness grooving cutterhead Porte-outils à rainier réglable

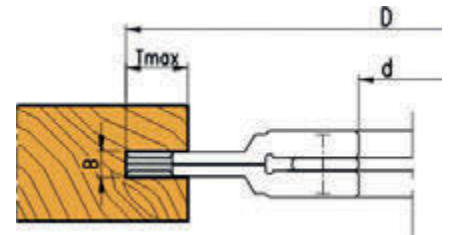
D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
160	8-15	30/50	4	4	32	4800-8300	546.101
	12,6-24	30/50	4	4	32	4800-8300	546.151
180	8-15	30/50	4	4	38	4300-7400	546.501
	12,6-24	30/50	4	4	38	4300-7400	546.551

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaque</i>	8-15	7,5x12x1,5	750.097
	12,6-24	12x12x1,5	754.102
Clamping wedge - <i>Cale</i>	8-15		707.002.06
	12,6-24		707.002.10
Screw - <i>Vis</i>	8-15	M5x16	705.582
	12,6-24	M8x16	705.542
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		T15	706.304
T Wrench - <i>Clé en T</i>		W2,5	706.102
		SW4	706.104
Spacer set - <i>Jeu de bagues</i>	8-15		703.039
	12,6-24		703.040
Adjusting gauge - <i>Calibre de réglage</i>		0,3/0,8	717.309

MAN HW

546



Adjustable thickness grooving cutterhead Porte-outils à rainier réglable

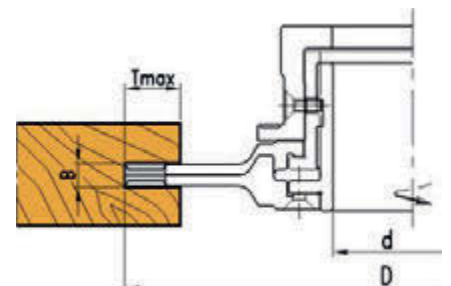
D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
180	4-7,5	30/50	8	4	32	4300-7400	537.101

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - <i>Plaque</i>	18x18x1,95	766.101
Nut - <i>Écrou</i>	11,9x1,7	709.129
Spur - <i>Araseurs</i>	14x14x1,2	750.113
Nut - <i>Écrou</i>	9,9x1,6	709.128
Screw - <i>Vis</i>	M4x3,2	705.313
Torx wrench - <i>Clé Torx</i>	T9	706.301

MAN HW

537



Adjustable thickness grooving cutterhead Porte-outils à rainier réglable

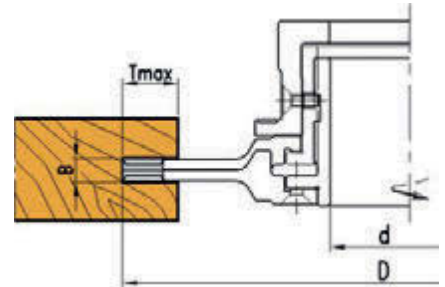
D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
180	8-15	30/50	4	4	32	4300-7400	548.101
	12,6-24	30/50	4	4	32	4300-7400	548.102

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaquette</i>	8-15	7,5x12x1,5	750.097
	12,6-24	12x12x1,5	754.102
Clamping wedge - <i>Cale</i>	8-15		707.002.06
	12,6-24		707.002.10
Screw - <i>Vis</i>	8-15	M5x16	705.582
	12,6-24	M8x16	705.542
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		T15	706.304
T Wrench - <i>Clé en T</i>		W2,5 (M5)	706.102
		SW4 (M8)	706.104
Adjusting gauge - <i>Calibre de réglage</i>		0,3/0,8	717.309

MAN HW

548



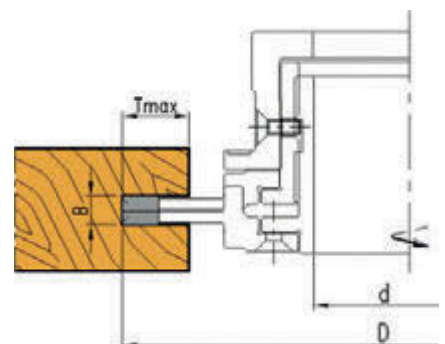
2

Adjustable thickness grooving cutter with spurs Fraise à rainier réglable avec araseurs

D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
150	4-7,5	30/50	4	4	27	5200-8900	041.301
	7-13,5	30/50	4	4	27	5200-8900	041.302

MAN HW

041

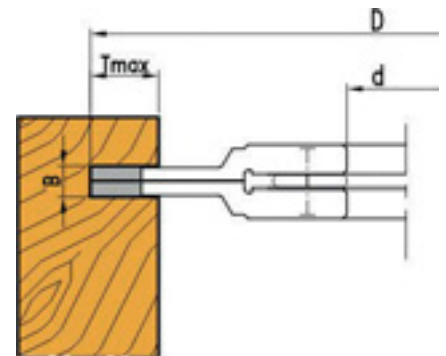


Adjustable thickness grooving cutter
Fraise à rainier réglable

D	B	d	Z	T _{max.}	n _{min.-max.}	Ref.
120	1,8-3,4	30	6+6	12	6400-11100	044.201
	2,2-4,0	30	6+6	15	6400-11100	044.202
140	2,2-4,0	50	6+6	15	5500-9500	044.301
220	3,5-6,5	30	20+20	17	3500-6000	044.401

MAN HW

044



Adjustable thickness grooving cutter with spurs Fraise à rainier réglable avec araseurs

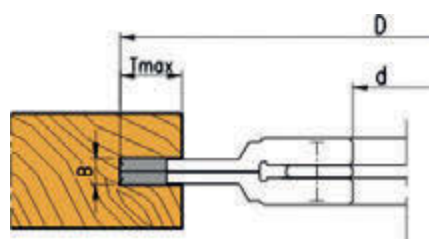
D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
120	3,5-6,5	0/50	4	4	16	400-11100	030.100
	4-7,5	30/50	4	4	16	400-11100	030.101 ■
	5-9,5	30/50	4	4	16	400-11100	030.102
	7-13,5	30/50	4	4	16	400-11100	030.103 ■
140	10-19,5	30/50	4	4	16	400-11100	030.104 ■
	4-7,5	30/50	4	4	22	5500-9500	030.301
	5-9,5	30/50	4	4	22	5500-9500	030.302
	7-13,5	30/50	4	4	22	5500-9500	030.303
150	10-19,5	30/50	4	4	22	5500-9500	030.304
	15-29,5	30/50	4	4	22	5500-9500	030.305
	20-39,5	30/50	4	4	22	5500-9500	030.306
	30-59,5	30/50	4	4	22	5500-9500	030.307
160	4-7,5	30/50	4	4	27	5200-8900	030.501 ■
	5-9,5	30/50	4	4	27	5200-8900	030.502 ■
	7-13,5	30/50	4	4	27	5200-8900	030.503 ■
160	4-7,5	30/50	4	4	32	4800-8300	030.701
	5-9,5	30/50	4	4	32	4800-8300	030.702
	7-13,5	30/50	4	4	32	4800-8300	030.703
	10-19,5	30/50	4	4	32	4800-8300	030.704

■ While quantities last - Jusqu'à épuisement du stock

Spacer set - Jeu de bagues

B	d	Ref.
3,5-6,5	30/50	703.031
4-7,5	30/50	703.032
5-9,5	30/50	703.033
7-13,5	30/50	703.034
10-19,5	30/50	703.035
20-39,5	30/50	703.037
30-59,5	30/50	703.038

MAN HW 030



Adjustable thickness grooving cutter with spurs
Fraise à rainier réglable avec araseurs

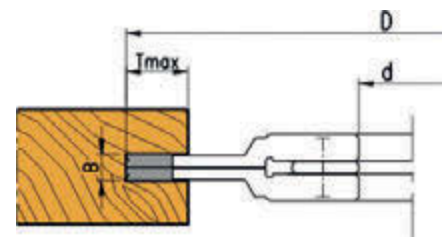
D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
200	5 - 9,5	30/50	4	4	45	3900-6600	011.101
	10-19,5	30/50	4	4	45	3900-6600	011.103
250	7-13,5	30/50	4	4	70	3100-5300	011.301
	10-19,5	30/50	4	4	70	3100-5300	011.302
	15-29,5	30/50	4	4	70	3100-5300	011.303

Spacer set - Jeu de bagues

B	d	Ref.
5-9,5	30/50	703.033
7-13,5	30/50	703.034
10-19,5	30/50	703.035
15-29,5	30/50	703.036

MAN HW

011



Adjustable thickness grooving cutter with spurs
Fraise à rainier réglable avec araseurs

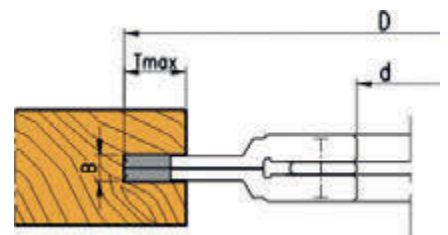
D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
250	7-13,5	30	8	8	40	3100-5300	019.101
	10-19,5	30	8	8	40	3100-5300	019.102
	15-29,5	30	8	8	40	3100-5300	019.103

Spacer set - Jeu de bagues

B	d	Ref.
7-13,5	30	703.034
10-19,5	30	703.035
15-29,5	30	703.036

MAN HW

019



Adjustable thickness grooving diamond cutter
Fraise à rainer réglable, DP



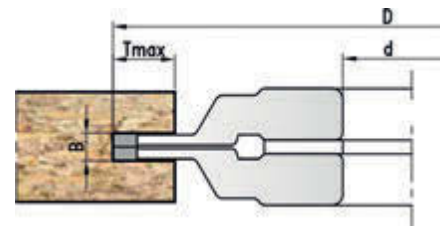
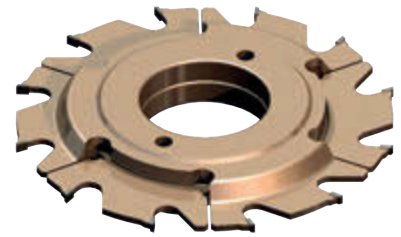
D	B	d	Z	T _{max.}	n _{min.-max.}	Ref.
DP=5mm						
100	3,5-6,5	30	4+4	10	5200-8900	A808.100.100.30
150	4-7,5	30	6+6	15	5200-8900	A808.150.100.30
200	7-13,5	30	6+6	20	3900-6600	A808.200.101.30

Spacer set - Jeu de bagues

B	d	Ref.
3,5-6,5	30/50	703.031
4-7,5	30/50	703.032
7-13,5	30/50	703.034

MAN DP

A808



Adjustable thickness grooving diamond cutter
Fraise à rainer réglable, DP



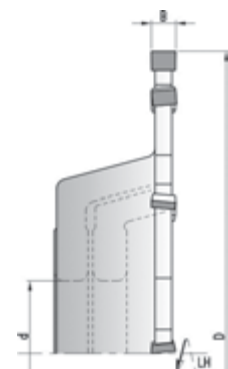
D	B	d	Z	n _{max.}	Ref.LH	Ref.RH
DP=5mm						
120	4-7,5	30	8+8	10000	A818.120.004.30	A818.120.104.30
	7-13,5	30	8+8	10000	A818.120.007.30	A818.120.107.30
160	4-7,5	30	8+8	8500	A818.160.004.30	A818.160.104.30
	7-13,5	30	8+8	8500	A818.160.007.30	A818.160.107.30

Spacer set - Jeu de bagues

B	d	Ref.
4-7,5	30	703.903
7-13,5	30	703.919

MAN DP

A818



Adjustable grooving / rebating cutterhead Porte-outils feuillure

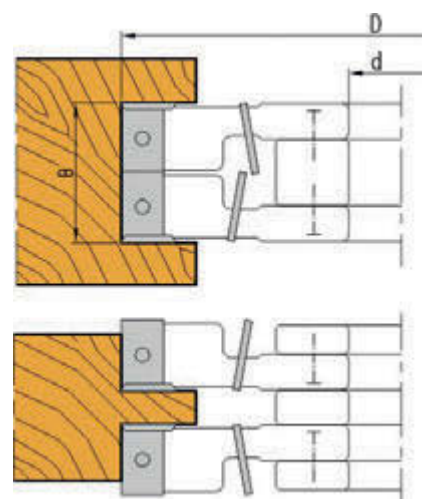
D	B	d	Z	V	n ⁿ min.-max.	Ref.
160	16-30	30/50	4	4	4800-8300	530.100
	21-40	30/50	4	4	4800-8300	530.101
	31-60	30/50	4	4	4800-8300	530.102
	51-100	30/50	4	4	4800-8300	530.103

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaque</i>	16-30	15x12x1,5	750.101
	21-40	20x12x1,5	750.102
Clamping wedge - <i>Cale</i>	31-60	30x12x1,5	750.104
	51-100	50x12x1,5	750.106
	16-30		707.002.13
	21-40		707.002.18
	31-60		707.002.28
	51-100		707.002.48
Screw - <i>Vis</i>		M8x16	705.542
T Wrench - <i>Clé en T</i>		SW4	706.104
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		T15	706.304
Spacer set - <i>Jeu de bagues</i>	16-30		703.036
	21-40		703.037
	31-60		703.038
	51-100		703.042
Adjusting gauge - <i>Calibre de réglage</i>		0,3/0,8	717.309

MAN HW

530



Jointing and planing cutterhead Porte-outils à raboter

D	B	d	Z	n min.-max.	Ref.
80	50	45	4	9600-16000	505.601
100	30	30/35	4	7800-13300	505.101
	50	30/35	4	7800-13300	505.102
125	30	35/40/50	4	6200-10600	505.403
	50	35/40/50	4	6200-10600	505.404
	60	40/50	4	6200-10600	505.415
	80	40/50	4	6200-10600	505.416

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaquette</i>	30	30x12x1,5	750.104
	50	50x12x1,5	750.106
	60	60x12x1,5	750.107
	80	80x13x2,2	750.108
Clamping wedge - <i>Cale</i>	30		707.002.28
	50 (D80)		707.001.48
	50		707.002.48
	60		707.002.58
	80		707.002.78
Screw - <i>Vis</i>		M6x12(D80)	705.533
		M8x16	705.542
T Wrench- <i>Clé en T</i>		SW3	706.103
		SW4	706.104
Adjusting gauge - <i>Calibre de réglage</i>		1,0	717.302

MAN HW

505



Pin can be removed for individual use.

Goupille amovible pour permettre son utilisation individuelle.

2

Copier cutterhead Porte-outils à copier

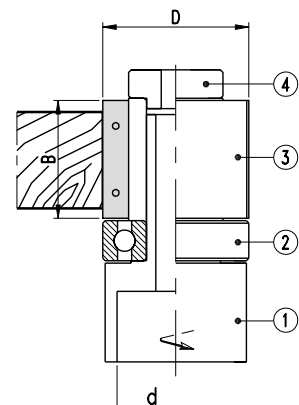
Nr.	D	B	d	Z	n min.-max.	Ref.
1	50		50			709.138
2	62		25			701.108
3	62	50	25	4		531.102
4	40		16,5			709.139
	1+2+3+4				12400-18000	531.101

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaquette</i>	50	50x12x1,5	750.106
Clamping wedge - <i>Cale</i>			707.001.48
Screw - <i>Vis</i>		M6x12	705.533
T Wrench- <i>Clé en T</i>		SW3	706.103

MAN HW

531



Jointing and rebating cutterhead Porte-outils à feuillure

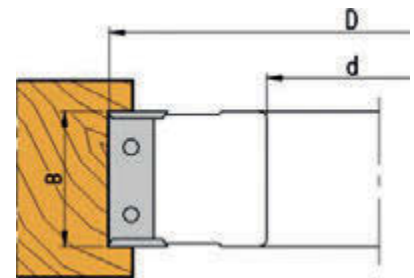
D	B	d	Z	V	n ⁿ min.-max.	Ref.
100	50	30	2	4	7800-13300	513.106
	50	30	4	4	7800-13300	513.306
125	30	30/50	2	4	6200-10600	513.107
	30	30/50	4	4	6200-10600	513.307
	50	30/50	2	4	6200-10600	513.108
	50	30/50	4	4	6200-10600	513.308
	60	30/50	2	4	6200-10600	513.109

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaque</i>	30x12x1,5	30	750.104
	50x12x1,5	50	750.106
	60x12x1,5	60	750.107
Clamping wedge - <i>Cale</i>		30	707.002.28
		50	707.002.48
		60	707.002.58
Screw - <i>Vis</i>		M8x16	705.542
T Wrench - <i>Clé en T</i>		SW4	706.104
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		SW4	706.304
Adjusting gauge - <i>Calibre de réglage</i>		1,0	717.302

MAN HW

513



Jointing and rebating cutterhead Porte-outils à feuillure

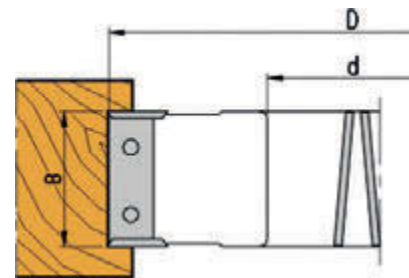
D	B	d	Z	V	n min.-max.	Ref.
125	50	30/50	4	4	6200-10600	536.201
140	50	30/50	4	4	5500-9500	536.401
147	50	40	4	4	5200-9000	536.410

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaquette</i>	50	50x12x1,5	750.106
Clamping wedge - <i>Cale</i>			RH 707.133.50 LH 707.130.50
Screw - <i>Vis</i>		M8x16	705.542
T Wrench - <i>Clé en T</i>		SW4	706.104
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		SW4	706.304
Adjusting gauge - <i>Calibre de réglage</i>		0,3/0,8	717.309

MAN HW

536



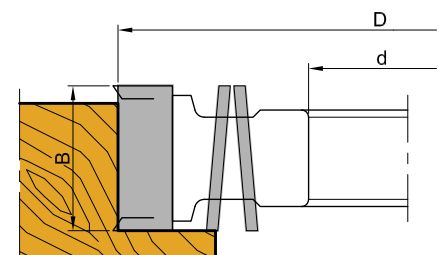
2

Rebating cutterblock Fraise pour feuillure droite

D	B	d	Z	V	n min.-max.	Ref.
140	30	30/50	4	4	5500-9500	015.302
	50	30/50	4	4	5500-9500	015.304

MAN HW

015

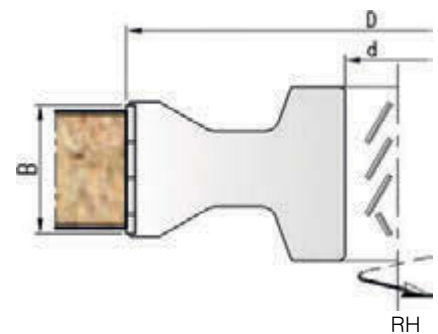
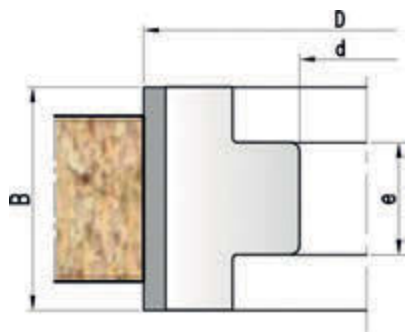


Joining diamond cutter
Fraise à calibrer, DP



MEC DP

A809



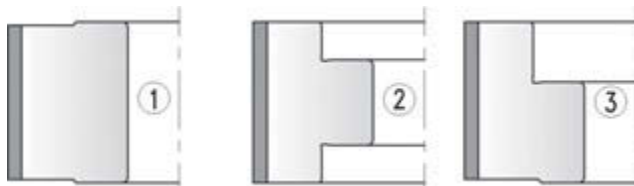
D	B/e	d	DKN	Z		Ref.LH	Ref.RH
Biesse							
80	48/25	20	6,5x3,5	2	B+2	A809.080.048.20	A809.080.148.20
	65/53	30	8x3	3+3	A+2	A809.080.265.30	A809.080.265.30
125	42/47	30	8x3	3+3	A+1	A809.125.142.30	A809.125.142.30
	63/47	30	8x3	3+3	A+2	A809.125.363.30	A809.125.363.30
Bi-Matic							
new	60	52/28	16		3+3	A+2	A809.060.054.16
Cehisa							
100	50/25	20	6x3	2	B+2	A809.100.050.20	A809.100.150.20
Griggio							
new	80	65/25	20	6,5x3,5	2+2	B+2	A809.080.365.20
SCM-Stefani							
80	65/67	30	8x3	3+3	B+1	A809.080.065.30	A809.080.165.30
new	100	64/40,6	30	8x3	3+3	B+3	A809.100.264.30
IMA/Brandt							
100	34/36	30	8x3	3+3	B+1	A809.100.034.30	A809.100.134.30
	45/40,6	30	8x3	3+3	B+3	A809.100.043.30	A809.100.143.30
IMA							
125	34/34	30	8x3	3+3	B+1	A809.125.034.30	A809.125.134.30
	43/42	30	8x3	3+3	B+1	A809.125.043.30	A809.125.143.30
	63/42	30	8x3	3+3	B+3	A809.125.063.30	A809.125.163.30
HolzHer							
new	70	54/31	30	8x3	2+2	B+2	A809.070.054.30
new		64/39	30	8x3	2+2	B+2	A809.070.064.30
	100	48/25	30	8x3	2+2	B+2	A809.100.048.30
new		63/25	30	8x3	3+3	B+2	A809.100.063.30
Homag							
125	34/36	30	8x3	3+3	A+1	A809.125.234.30	A809.125.234.30
	63/40	30	8x3	3+3	A+2	A809.125.263.30	A809.125.263.30
180	43/58,5	35	10x3,3	4+4	B+1	A809.180.043.35	A809.180.143.35
	63/58,5	35	10x3,3	4+4	B+1	A809.180.063.35	A809.180.163.35
Ott							
new	85	60/50	30	8x3	3+3	B+3	A809.085.060.30
new		45/47	30	8x3	3+3	B+1	A809.085.045.30

D	B	d	Z		Ref.		
new	100	34/36	50	8x3	3+3	B+1	A809.100.134.50
new	125	34/34	50	8x3	3+3	B+1	A809.125.134.50

Cutters arrangement.
Emplacement des dents.



Body design.
Forme du corps.



Jointing diamond cutter
Fraise à calibrer, DP

	D	B	d	DKN	Z	Ref.
DP=5mm						
new	100	25	30	8x3	3+3	A827.100.125.30
new		35	30	8x3	3+3	A827.100.135.30
new		48	30	8x3	3+3	A827.100.148.30
new	125	35	30	8x3	3+3	A827.125.135.30
new		48	30	8x3	3+3	A827.125.148.30

MEC DP

A827



Big feed speeds, up to 45 mt/min, as well as big cut depths.
Excellent finishing both on the bottom and top edges of the material.

Vitesse de coupe jusqu'à 45m/min.
Une Excellente finition du bord supérieur et inférieur.
Grandes profondeurs de coupe.

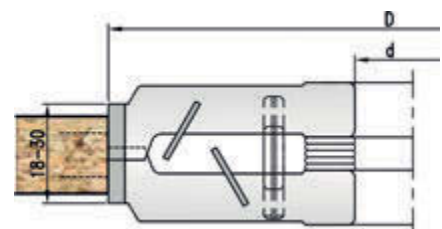
Adjustable jointing diamond cutter
Fraise à dresser extensible, DP



	D	B	d	DKN	Z	n max.	Ref.
DP=5mm							
	180	18-30	35	10x4	4+4	9000	A807.180.130.35
		18-30	35	10x4	6+6	9000	A807.180.230.35
	200	18-30	35	10x4	4+4	8000	A807.200.130.35
		18-30	35	10x4	6+6	8000	A807.200.230.35

MEC DP

A807



Joining cutterhead Porte-outils à calibrer

D	B	d	Z	n min.-max.	Ref.
100	56	30 DKN	3+3	7800-13300	535.100
125	56	30/40 DKN	3+3	6200-10600	535.102
150	56	30/40 DKN	3+3	5200-8900	535.303
180	56	30/40 DKN	3+3	4300-7400	535.512

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - Plaquette	30	30x12x1,5	752.102
Clamping wedge - Cale			RH 707.133.30 LH 707.130.30
Screw - Vis		M8x16	705.542
T Wrench - Clé en T		SW4	706.104
Adjusting gauge - Calibre de réglage		1,0	717.302

MAN HW

535



Cutterhead for guide Porte-outils pour guide

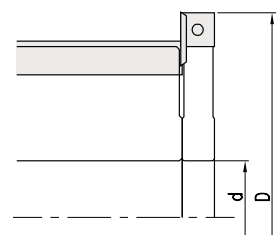
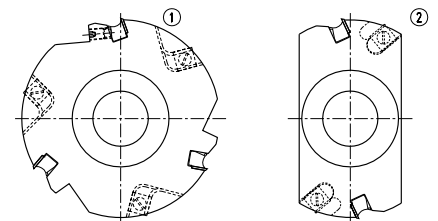
Nr.	D	B	d	Z	V	n max.	Ref.
1	145	12	40	3	3	11000	527.101
2	145	12	40	2	2	11000	527.102

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - Plaquette	12	12x12x1,5	754.102
Clamping wedge - Cale			707.002.10
Screw - Vis		M8x16	705.542
T Wrench - Clé en T		SW4	706.104
Spur - Araseurs		14x14x2	750.111
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		SW4	706.304
Adjusting gauge - Calibre de réglage		0,3/0,8	717.309

MEC HW

527



To be used in conjunction with Ref^o 506, 539 and 542.
Pour travailler en combinaison avec Ref^o 506, 539 et 542.

Planing cutterhead Porte-outils à raboter

D	B	d	Z	n max.	Ref.	Ref.
125	80	40	4	9000	506.103 ■	506.203
	100	40	4	9000	506.104 ■	506.204
	120	40	4	9000	506.110 ■	506.210
	130	40	4	9000	506.105 ■	506.205
	150	40	4	9000	506.106 ■	506.206
	180	40	4	9000	506.107 ■	506.207
	220	40	4	9000	506.111 ■	506.211
	230	40	4	9000	506.108 ■	506.208
	240	40	4	9000	506.109 ■	506.209

■ Light alloy body - Corps en alliage léger

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Clamping wedge - Cale	80		707.432
	100		707.433
	120		707.434
	130		707.435
	150		707.436
	180		707.437
	220		707.438
	230		707.439
Spring - Ressort			709.122
Screw - Vis		M10x25	705.553
T Wrench - Clé en T		SW5	706.105

Knife - Plaquette

	Dim.	Ref.HS (18%)	Ref.HW
	80x30x3	771.080.30	773.080.30
	100x30x3	771.100.30	773.100.30
	120x30x3	771.120.30	773.120.30
	130x30x3	771.130.30	773.130.30
	150x30x3	771.150.30	773.150.30
	170x30x3	771.170.30	773.170.30
	180x30x3	771.180.30	773.180.30
	200x30x3	771.200.30	773.200.30
	220x30x3	771.220.30	773.220.30
	230x30x3	771.230.30	773.230.30
	240x30x3	771.240.30	773.240.30

MEC HS

506



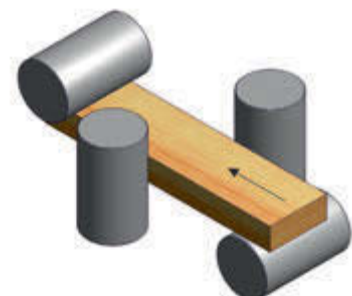
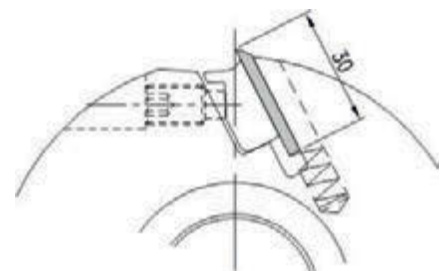
2

Tipped with HS 18% knives.
HW knives under request.

Avec couteaux HS 18%.
Couteaux HW sur demande.

Cutting material recommendation Matériel de coupe recommandée

Softwood Pour bois tendres	HS
Hardwood Bois dur	HW



Hydro planing cutterhead Porte-outils hydro à raboter

MEC HS

563

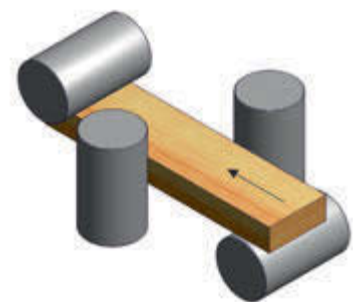
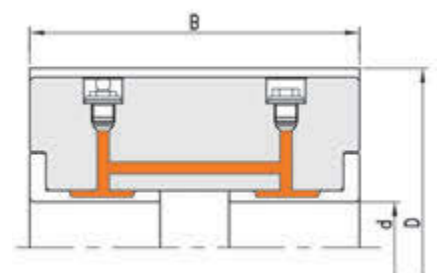
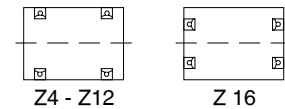


Hydro-planerhead for finish planing of solid woods on profile moulder machines.
Supplied with HS 18% knives, not assembled.

Porte-outils Hydro pour raboter du bois naturel sur moulurières.
Livré avec couteaux HS 18%, non montés.

Pressure nipple scheme:

Schéma pour la distribution de pression:

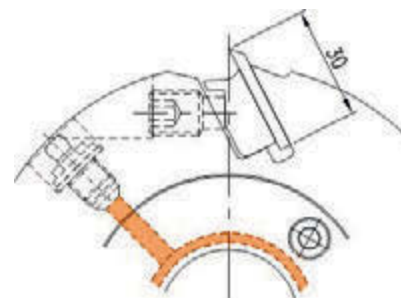


D	B	d	Z	n _{max.}	Ref.	
143	60	40	4	9000	563.100	
	100	40	4	9000	563.102	
	130	40	4	9000	563.103	
	150	40	4	9000	563.104	
	180	40	4	9000	563.105	
	230	40	4	9000	563.106	
143	60	40	6	9000	563.150	
	100	40	6	9000	563.152	
	130	40	6	9000	563.153	
	150	40	6	9000	563.154	
	180	40	6	9000	563.155	
	230	40	6	9000	563.156	
163	60	50	4	8000	563.201	
	100	50	4	8000	563.203	
	130	50	4	8000	563.204	
	150	50	4	8000	563.205	
	180	50	4	8000	563.206	
	230	50	4	8000	563.207	
163	60	50	6	8000	563.301	
	100	50	6	8000	563.303	
	130	50	6	8000	563.304	
	150	50	6	8000	563.305	
	180	50	6	8000	563.306	
	230	50	6	8000	563.307	
163	60	50	8	8000	563.401	
	100	50	8	8000	563.403	
	130	50	8	8000	563.404	
	150	50	8	8000	563.405	
	180	50	8	8000	563.406	
	230	50	8	8000	563.407	
new	203	60	50	12	6000	563.410
new		80	50	12	6000	563.411
new		100	50	12	6000	563.412
new		130	50	12	6000	563.413
new		150	50	12	6000	563.414
new		180	50	12	6000	563.415
new		230	50	12	6000	563.416
new	203	60	50	16	6000	563.420
new		80	50	16	6000	563.421
new		100	50	16	6000	563.422
new		130	50	16	6000	563.423
new		150	50	16	6000	563.424
new		180	50	16	6000	563.425
new		230	50	16	6000	563.426

Spare parts on next page - Pièces de rechange à la page suivante

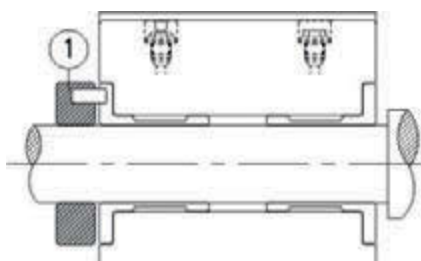
Spare parts - Pièces de rechange

	B	Dim.	Ref.
Clamping wedge - Cale	60		707.431
	100		707.433
	130		707.435
	150		707.436
	180		707.437
Screw - Vis	230		707.439
		M10x20	705.552.01
T Wrench- Clé en T		SW5	706.105
Grease pump - Pompe de chargement			724.401
Grease cartridge - Charge			724.402
Safety ring - Bague de sécurité			724.404



You should always use the safety ring (1) while setting up the cutter. See chapter 10.

Utiliser toujours la bague de sécurité (1) pour montage du porte-outils hydro. Voir le chapitre 10.



Knife - Plaquette

	Dim.	Ref.HS (18%)	Ref.HW
	80x30x3	771.080.30	773.080.30
	100x30x3	771.100.30	773.100.30
	120x30x3	771.120.30	773.120.30
	130x30x3	771.130.30	773.130.30
	150x30x3	771.150.30	773.150.30
	170x30x3	771.170.30	773.170.30
	180x30x3	771.180.30	773.180.30
	200x30x3	771.200.30	773.200.30
	220x30x3	771.220.30	773.220.30
	230x30x3	771.230.30	773.230.30
	240x30x3	771.240.30	773.240.30

Recommended cutting material

Matériel de coupe recommandée

Softwood Pour bois tendres	HS
Hardwood Bois dur	HW

D	B	d	Z	n ⁿ min.-max.	Ref.
125	80	40	4	10000	587.101
	100	40	4	10000	587.102
	130	40	4	10000	587.103
	150	40	4	10000	587.104
	180	40	4	10000	587.105
	230	40	4	10000	587.106
new	240	40	4	10000	587.107

Knife - Plaquette

Dim.	Ref.HS	Ref.HW
80x16x3	793.080.16	792.080.16
100x16x3	793.100.16	792.100.16
130x16x3	793.130.16	792.130.16
150x16x3	793.150.16	792.150.16
180x16x3	793.180.16	792.180.16
230x16x3	793.230.16	792.230.16
240x16x3	793.240.16	792.240.16

MEC HS
HW

587



Cutterhead supplied with HS knives.

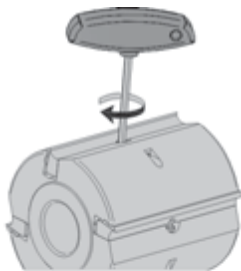
Porte-outils fourni avec couteaux HS.

Advantages:

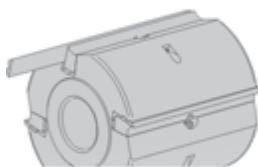
- Easy to use, as knife change only takes a few seconds.
- No need any kind of adjustment when clamping the knives.
- Reversible knives with 2 cutting edges
- Better finish in all kinds of solid woods
- HW and HS knives, available on stock
- Maximum noise reduction

Avantages:

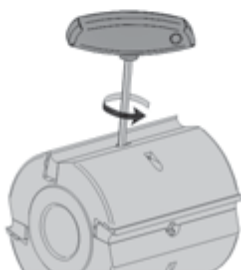
- Remplacement de couteaux facile et rapide
- N'a pas besoin de réglage pour le montage des couteaux.
- Couteaux réversibles avec 2 arêtes de coupe
- Meilleure finition dans l'usinage de tous les genres de bois massif.
- Couteaux HW et HS disponible en stock.
- Réduction du niveau de bruit.



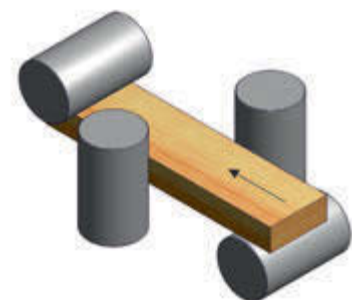
Release the pressure of the knives.
Libérez la pression des couteaux.



Remove/Replace the knives axially.
Enlevez/Remplacer les couteaux axialement.



Activate the knife clamping pressure.
Activez la pression du contrefer.



D	B	S	Z	n min.-max.	Ref LH/INF	Ref RH/SUP	
93	60	HSK 85WE	2	12.000	602.201.61	602.211.61	
	80	HSK 85WE	2	12.000	602.202.61	602.212.61	
	100	HSK 85WE	2	12.000	602.203.61	602.213.61	
	130	HSK 85WE	2	12.000	602.204.61	602.214.61	
	150	HSK 85WE	2	12.000	602.205.61	602.215.61	
	170	HSK 85WE	2	12.000	602.206.61	602.216.61	
	190	HSK 85WE	2	12.000	602.207.61	602.217.61	
	210	HSK 85WE	2	12.000	602.208.61	602.218.61	
	240	HSK 85WE	2	12.000	602.209.61	602.219.61	
new	93	60	HSK 85WE	4	12.000	602.241.61	602.251.61
new		80	HSK 85WE	4	12.000	602.242.61	602.252.61
new		100	HSK 85WE	4	12.000	602.243.61	602.253.61
new		130	HSK 85WE	4	12.000	602.244.61	602.254.61
new		150	HSK 85WE	4	12.000	602.245.61	602.255.61
new		170	HSK 85WE	4	12.000	602.246.61	602.256.61
new		190	HSK 85WE	4	12.000	602.247.61	602.257.61
new		210	HSK 85WE	4	12.000	602.248.61	602.258.61
new		240	HSK 85WE	4	12.000	602.249.61	602.259.61

MEC HS
HW

602



For Weing Powermat moulding machines.
Cutterhead supplied with HS knives

Pour Weing Powermat machines moulurières. Porte-outils fourni avec HS.

Advantages:

- Easy to use, as knife change only takes a few seconds.
- No need any kind of adjustment when clamping the knives.
- Reversible knives with 2 cutting edges
- Better finish in all kinds of solid woods
- HW and HS knives, available on stock
- Maximum noise reduction

Avantages:

- Remplacement de couteaux facile et rapide
- N'a pas besoin de réglage pour le montage des couteaux.
- Couteaux réversibles avec 2 arêtes de coupe
- Meilleure finition dans l'usinage de tous les genres de bois massif.
- Couteaux HW et HS disponibles en stock.
- Réduction du niveau de bruit.



Knife - Plaquette

Dim.	Ref.HS	Ref.HW
80x16x3	793.080.16	792.080.16
100x16x3	793.100.16	792.100.16
130x16x3	793.130.16	792.130.16
150x16x3	793.150.16	792.150.16
180x16x3	793.180.16	792.180.16
230x16x3	793.230.16	792.230.16
240x16x3	793.240.16	792.240.16



Release the pressure of the knives.
Libérez la pression des couteaux.



Remove/Replace the knives axially.
Enlevez/Remplacer les couteaux axialement.



Activate the knife clamping pressure.
Activez la pression du contrefer.

Production by request

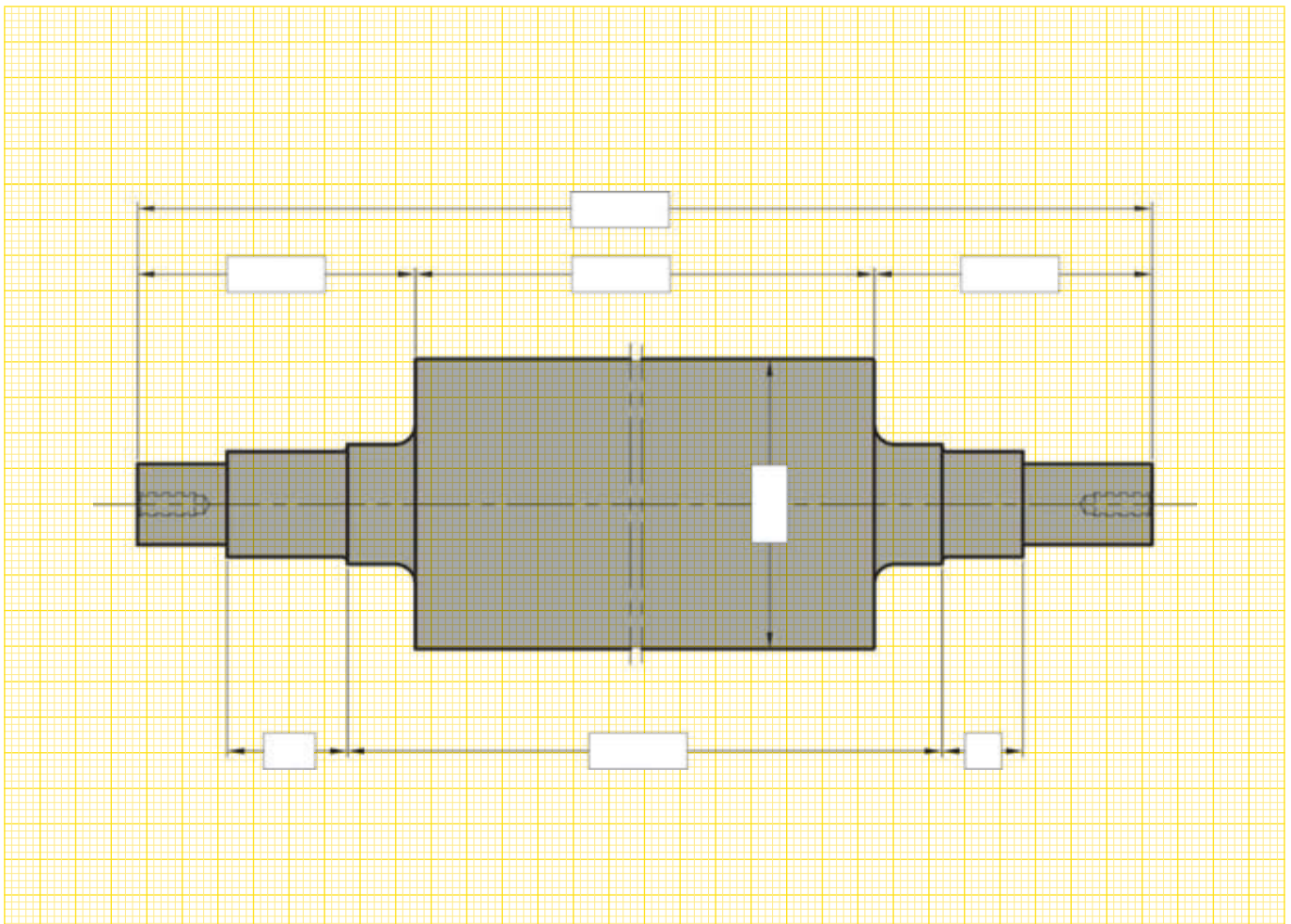
Cutter body can be made in light alloy, reducing the weight of the tool and the power needs by the machine.

Production sur demande

Le corps peut être fabriqué en acier ou alliage léger. L'outil fabriqué en alliage léger, réduit le poids de l'outil et l'effort du moteur de la machine.



Pedido de consulta para arvore de aplainar
Demande de requête pour arbre de rabotage



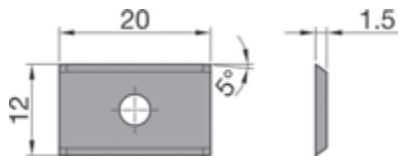
Helicoidal planing cutterhead Porte-outils hélicoïdal à raboter

D	B	d	Z	n _{max.}	Ref.
100	119	50	3 (21)	13300	542.501
	119	30/35	3 (21)	13300	542.101 ■
125	88	35/40	3 (15)	11000	542.201 ■
	119	35/40	3 (21)	11000	542.203 ■
	139	35/40	3 (24)	11000	542.204 ■
	156	35/40	3 (27)	11000	542.205 ■
	173	35/40	3 (30)	11000	542.206 ■
	218	35/40	3 (39)	11000	542.209 ■
	234,5	35/40	3 (42)	11000	542.210 ■

■ Light alloy body - Corps en alliage léger

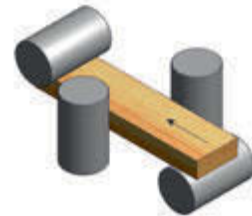
Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaque	20x12x1,5	755.101
Clamping wedge - Cale		707.132
Screw - Vis	M8x16	705.542
T Wrench - Clé en T	SW4	706.104



MEC HW

542



2

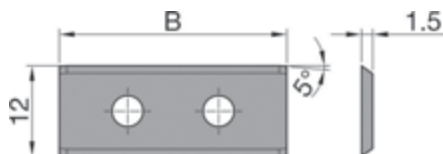
Planing cutterhead Porte-outils à raboter

D	B	d	Z	n _{max.}	Ref.
125	130	40	3(9)	10200	574.501 ■
	230	40	3(15)	10200	574.101 ■

■ Light alloy body - Corps en alliage léger

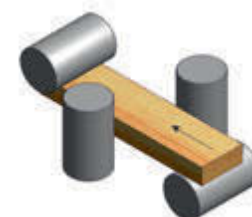
Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaque	50x12x1,5	755.105
Clamping wedge - Cale		707.002.48
Screw - Vis	M8x16	705.542
T Wrench - Clé en T	SW4	706.104
Adjusting gauge - Calibre de réglage	1,0	717.302



MEC HW

574



Helicoidal planing cutterhead Porte-outils hélicoïdal à raboter

D	B	d	Z	n _{min.-max.}	Ref.
80	100	50	3 (30)	9500-15000	539.001

MAN HW

539

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	14x14x2	750.111
Screw - Vis	M5x7	705.425
T Wrench - Clé en T	T15	706.304



D	B	d	Z	n _{max.}	Ref.
125	100	40	3 (30)	10000	539.202 ■
		130	40	3 (36)	539.204 ■
		180	40	3 (48)	539.206 ■
		230	40	3 (60)	539.208 ■

MEC HW

■ Light alloy body - Corps en alliage léger

Spare parts - Pièces de rechange

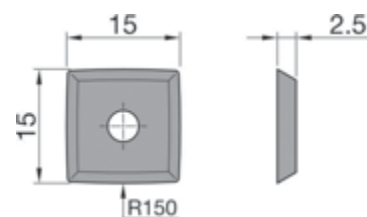
	Dim.	Ref.
Knife - Plaquette	15x15x2,5	754.106
Screw - Vis	M5x13	705.320.13
T Wrench - Clé en T	T20	706.305



Standard



Under request.
[Sur demande.](#)

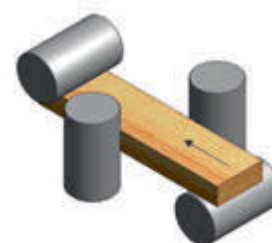


Helicoidal planing cutterblock Fraise hélicoïdale à raboter

	D	B	d	Z	n _{max.}	Ref.
	125	120	40	12	12000	048.401
		180	40	12	12000	048.402
		230	40	12	12000	048.501
new	140	120	40	12	10500	048.101
new		180	40	12	10500	048.102
new		230	40	12	10500	048.301

MEC HW

048



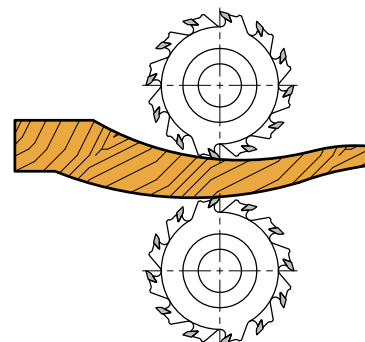
2

Helicoidal planing cutterblock Fraise hélicoïdale à raboter

	D	B	d	Z	n _{min.-max.}	Ref.
new	100	120	35	12	7800-13300	049.104
new		180	35	12	7800-13300	049.105
	Pade					
new	120	180	35	12	6400-11100	049.201

MAN HW

049



Planing cutterblock with offset teeth for big chip removal.
Specially suitable when working against the wood grain.

Fraise hélicoïdale à raboter avec dents alternées, ce qui lui confère une grande puissance d'extraction.
Cet outil est spécialement conçu pour travailler au sens inverse de la fibre.

Cutterhead for tenoning machine
Porte-outils pour tenonneuse à tenons ronds

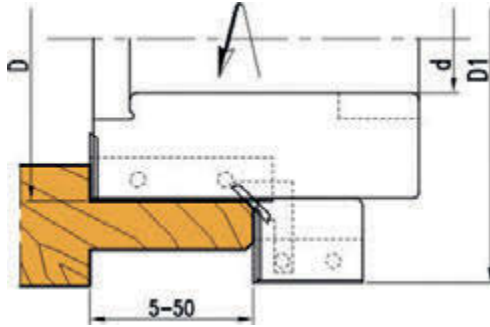
560

MEC HW

D	D1	B	d	Z	V	n _{max.}	Ref.
Bacci - Balestrini - Pade - Greda							
90	135	5-50	30	3/6	3/6	10200	560.101
Nipuer							
115	160	5-30	35	3/6	3/6	8500	560.301

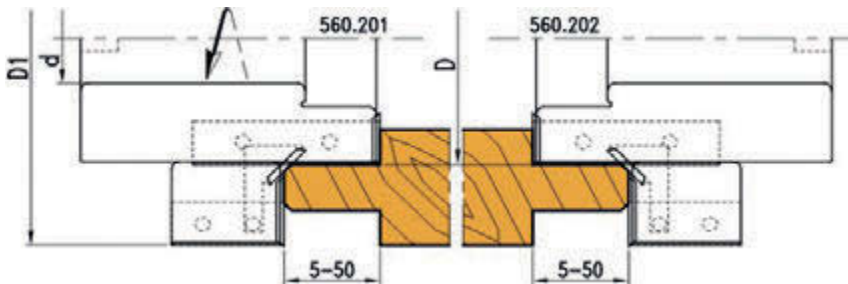


Single tenoning machine - Tenonneuse simple



D	D1	B	d	Z	V	n _{max.}	Ref.
Bacci - Balestrini - Pade - Greda							
70	115	5-50	25	3/6	3/6	11600	560.201
	115	5-50	25	3/6	3/6	11600	560.202

Double tenoning machine - Tenonneuse double



Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	30x12x1,5	750.104
	50x12x1,5	750.106
Clamping wedge - Cale		707.002.28
		707.002.48
Screw - Vis	M8x16	705.542
	M8x25	705.543
T Wrench - Clé en T	SW4	706.104
Spur - Araseurs	14x14x2	750.111
Torx screw - Vis Torx	M5x6	705.425
Torx wrench - Clé Torx	SW4	706.304
Adjusting gauge - Calibre de réglage	0,3/0,8	717.309

Cutterhead for edge banding machine Porte-outils pour plaqueuse de chants

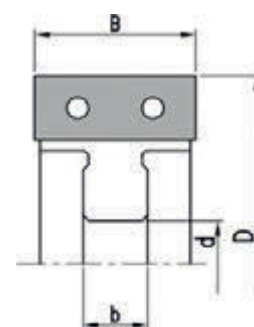
D	B/b	d	DKN	Z	n _{max.}	Ref.	
Brandt - Homag - IDM - Stefani							
70	12/10	16	5x2,3	4	18000	502.301	
	12/10	16	5x2,3	6	18000	502.302	
Holz-Her							
80	40/25	30	8x3,3	4	18000	502.502	
Holz-Her - Homag - IMA							
70	20/10	20	6x3,5	4	18000	502.309	
Homag - Homburg							
50	12/10	16	5x2,3	2	18000	502.101	
IMA - Raimann							
50	15/10	16	5x2,3	2	18000	502.102	
Olimpic							
70	30/12	16	6x3,5	4	18000	502.311	
Ott							
70	20/10	16	5x2,3	4	18000	502.305	
SCM-Stefani							
70	20/11	16	6x3,5	6	18000	502.307	
new	15/10	16	6x3,5	4	18000	502.313	
new	72	20/11	16	6x3,5	4	18000	502.314
new	75	20/11	16	6x3,5	4	18000	502.401
new	30/11	16	6x3,5	4	18000	502.402	
	80	20/11	16	5x2,3	4	18000	502.503
		30/11	16	5x2,3	4	18000	502.504

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - Plaque		12x12x1,5	754.102
		15x12x1,5	750.101
		20x12x1,5	750.102
		30x12x1,5	750.104
		40x12x1,5	750.105
Clamping wedge - Cale	12		707.001.10
	15		707.001.13
	20		707.001.18
	30		707.001.28
	40		707.001.38
Screw - Vis		M6x12	705.533
T Wrench - Clé en T		SW3	706.103
Adjusting gauge - Calibre de réglage		1,0	717.302

MEC HW

502



Cutterhead for edge banding machine
Porte-outils pour plaqueuse de chants

MEC HW

503



D	B/b	d	DKN	Z	n _{max.}	Ref.LH	Ref.RH
Brandt - Homag - IMA - IDM - SCM - Stefani							
70	20/12,5	20	6x3,5	4	18000	503.302	503.301
	20/12,5	20	6x3,5	6	18000	503.304	503.303
SCM-Stefani							
new 72	30/12	16	6x3,5	4	18000	503.314	503.315
FRAVOL							
new 70	20/11,5	20	6x3,5	6	18000	503.310	503.311
new 80	30/25,5	20	6x3,5	6	18000	503.312	503.313

Spare parts - Pièces de rechange

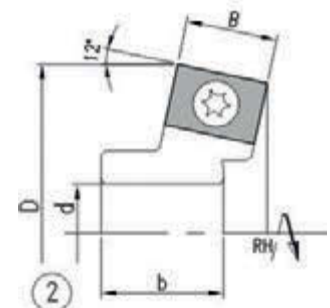
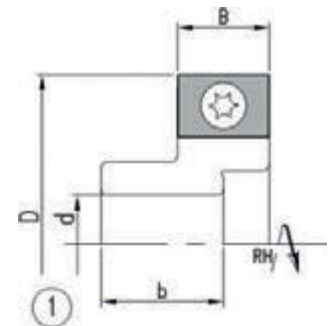
	B	Dim.	Ref.
Knife - <i>Plaque</i>		20x12x1,5 30x12x1,5	750.102 750.104
Clamping wedge - <i>Cale</i>	20 30		707.001.18 707.001.28
Screw - <i>Vis</i>		M6x12	705.533
T Wrench - <i>Clé en T</i>		SW3	706.103
Adjusting gauge - <i>Calibre de réglage</i>		1,0	717.302



D	B/b	d	DKN	Z	n _{max.}	Ref.LH	Ref.RH
SCM - 1							
48	14,6/20	16	5x2,3	2	18000	503.401	503.400
SCM - 2							
52,8	14,6/20	16	5x2,3	2	18000	503.411	503.410

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - <i>Plaque</i>	14,6x9x1,5	750.090
Screw - <i>Vis</i>	M3,5x7,5	705.350
T Wrench - <i>Clé en T</i>	T15	706.302



Cutterhead for edge banding machine
Porte-outils pour plaqueuse de chants

D	B/b	d	DKN	Z	n _{max.}	Ref.LH	Ref.RH
Biesse							
70	20/22	20	6x2,8	6	18000	503.520	503.510
80	20/22	20	6x2,8	6	18000	503.521	503.511
	30/22	20	6x2,8	6	18000	503.522	503.512

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - Plaque		20x12x1,5	750.102
		30x12x1,5	750.104
Clamping wedge - Cale	20		707.001.18
	30		707.001.28
Screw - Vis		M6x12	705.533
T Wrench - Clé en T		SW3	706.103
Adjusting gauge - Calibre de réglage		1,0	717.302

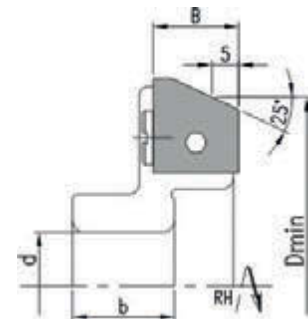
D	B/b	d	DKN	Z	n _{max.}	Ref.LH	Ref.RH
Biesse							
70	16/19	16	5x2,3	6	18000	503.523	503.513

Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - Plaque		16x17,5x2	765.113
Clamping wedge - Cale	16		707.503.01
Screw - Vis		M6x12	705.533
T Wrench - Clé en T		SW3	706.103

MEC HW

503



Cutterhead for edge banding machine
Porte-outils pour plaqueuse de chants

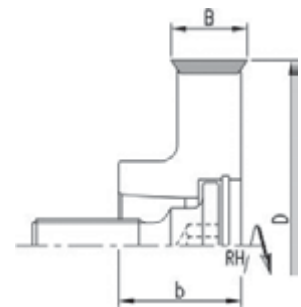
D	B/b	d	Z	n _{max.}	Ref.LH	Ref.RH
Homag - IMA						
70	14,3/23	HSK 25R	4	18000	599.102	599.101

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaque	14,3x14,3x2,5	750.116
Screw - Vis	M5x13	705.320.13
Torx wrench - Clé Torx	T20	706.305
Screw - Vis	M10x1,25	705.099
T Wrench - Clé en T	SW10	706.107

MEC HW

599



Cutterhead for edge banding machine
Porte-outils pour plaqueuse de chants

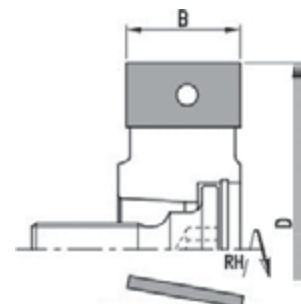
D	B/b	d	Z	n _{max.}	Ref.LH	Ref.RH
Homag - IMA						
70	24	HSK 25R	4	18000	598.102	598.101

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaque	24,7x12x1,5	750.103
Clamping wedge - Cale		707.900.24
Screw - Vis	M8x12	705.541
T Wrench - Clé en T	SW4	706.104
Screw - Vis	M10x1,25	705.099
Adjusting gauge - Calibre de réglage	1,0	717.302

MEC HW

598



Edge banding diamond cutter
Fraise à dresser d'affleurage, DP



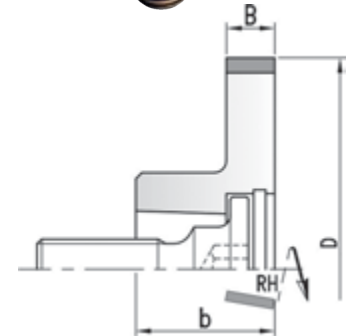
D	B/b	d	Z	n _{max.}	Ref.LH	Ref.RH
Homag - IMA						
70	8/23	HSK 25R	4	12000	A860.070.008.97	A860.070.108.97
	8/23	HSK 25R	6	12000	A860.070.308.97	A860.070.208.97
	15/23	HSK 25R	4	12000	A860.070.015.97	A860.070.115.97
	15/23	HSK 25R	6	12000	A860.070.315.97	A860.070.215.97

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M10x1,25	705.099
T Wrench - Clé en T	SW10	706.107

MEC DP

A860



Cutterhead for edge banding machines
Porte-outils pour plaqueuse de chants

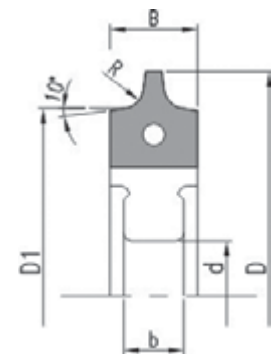
D	D1	B/b	d	DNK	R	Z	n _{max.}	Ref.
Homag - Gabbiani - Ott								
73	61	16/11	16	5x2,3	2	3	18000	556.102
	61	16/11	16	5x2,3	3	3	18000	556.103
	61	16/11	16	5x2,3	4	3	18000	556.104
	61	16/11	16	5x2,3	5	3	18000	556.105
HolzHer								
73	61	16/11	20	6x3,5	2	3	18000	556.202
	61	16/11	20	6x3,5	3	3	18000	556.203
	61	16/11	20	6x3,5	4	3	18000	556.204
	61	16/11	20	6x3,5	5	3	18000	556.205
IDM								
73,3	61,3	16/10	16	5x2,3	2	3	18000	556.306
	61,3	16/10	16	5x2,3	3	3	18000	556.307
	61,3	16/10	16	5x2,3	4	3	18000	556.308
	61,3	16/10	16	5x2,3	5	3	18000	556.309
IMA - Wilmsmeyer								
82	70	16/11	20	6x3,5	2	4	18000	556.302
	70	16/11	20	6x3,5	3	4	18000	556.303
	70	16/11	20	6x3,5	4	4	18000	556.304
	70	16/11	20	6x3,5	5	4	18000	556.305

Spare parts - Pièces de rechange

	Dim.	Ref.	
Knife - Plaquette	R2	16x17,5x	765.101
	R3	16x17,5x	765.102
	R4	16x17,5x	765.103
	R5	16x17,5x	765.104
Clamping wedge - Cale		707.155	
Screw - Vis	M6x12	705.533	
T Wrench - Clé en T	SW3	706.103	

MEC HW

556



Cutterhead for edge banding machines
Porte-outils pour plaqueuse de chants

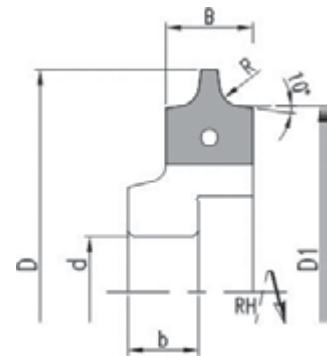
D	D1	B/b	d	DKN	R	Z	n _{max.}	Ref.LH	Ref.RH
IMA									
82	70	16/13	20	6x3,5	2	4	18000	557.103	557.102
	70	16/13	20	6x3,5	3	4	18000	557.105	557.104
	70	16/13	20	6x3,5	4	4	18000	557.107	557.106
	70	16/13	20	6x3,5	5	4	18000	557.109	557.108

Spare parts - Pièces de rechange

	Dim.	Ref.	
Knife - Plaquette	R2	16x17,5x2	765.101
	R3	16x17,5x2	765.102
	R4	16x17,5x2	765.103
	R5	16x17,5x2	765.104
Clamping wedge - Cale			707.155
Screw - Vis	M6x12		705.533
T Wrench - Clé en T	SW3		706.103

MEC HW

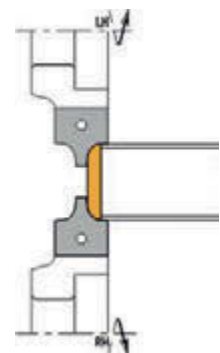
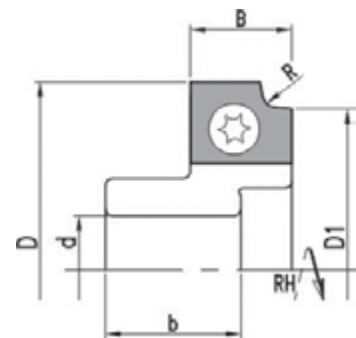
557



D	D1	B/b	d	DKN	R	Z	n _{max.}	Ref.LH	Ref.RH
SCM									
55,5	47,5	15/20	16	5x2,3	1	2	18000	557.210	557.200
	47,5	15/20	16	5x2,3	1,5	2	18000	557.211	557.201
	47,5	15/20	16	5x2,3	2	2	18000	557.212	557.202
	47,5	15/20	16	5x2,3	2,5	2	18000	557.213	557.203
	47,5	15/20	16	5x2,3	3	2		557.214	557.204

Spare parts - Pièces de rechange

	Dim.	Ref.LH	Ref.RH	
Knife - Plaquette	R1	15x12x1,5	765.250	765.260
	R1,5	15x12x1,5	765.251	765.261
	R2	15x12x1,5	765.252	765.262
	R2,5	15x12x1,5	765.253	765.263
	R3	15x12x1,5	765.254	765.264
Screw - Vis	M3,5x7,5		705.350	705.350
T Wrench - Clé en T	T15		706.302	706.302



Cutterhead for edge banding machines
Porte-outils pour plaqueuse de chants

D min.	B/b	d	DKN	R	Z	n max.	Ref.LH	Ref.RH
Biesse								
70	16/19	16	5x2,3	2	6	18000	557.303	557.302
	16/19	16	5x2,3	3	6	18000	557.305	557.304
	16/19	16	5x2,3	4	6	18000	557.307	557.306
	16/19	16	5x2,3	5	6	18000	557.309	557.308

Spare parts - Pièces de rechange

	Dim.	Ref.	
Knife - Plaque	R2	16x17,5x2	765.101
	R3	16x17,5x2	765.102
	R4	16x17,5x2	765.103
	R5	16x17,5x2	765.104
Clamping wedge - Cale			707.155
Screw - Vis	M6x12		705.533
T Wrench - Clé en T	SW3		706.103

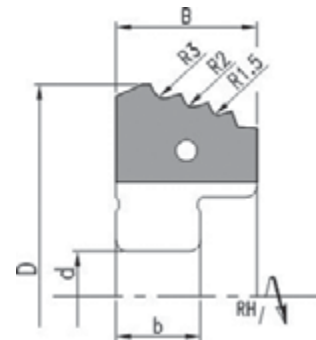
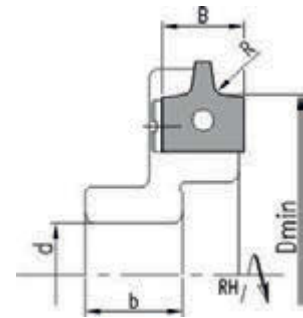
D	B	d	DKN	R	Z	n max.	Ref.LH	Ref.RH
Biesse								
75	25	20	6x3,5	1,5/2/3	4	18000	557.311	557.310

Spare parts - Pièces de rechange

	Dim.	Ref.LH	Ref.RH	
Knife - Plaque	R1.5/R2/R3	25x18,5x2	765.112	765.114
Clamping wedge - Cale		25x18,5x2	707.557.01	707.557.02
Screw - Vis	M6x12		705.533	705.533
T Wrench - Clé en T	SW3		706.103	706.103

MEC HW

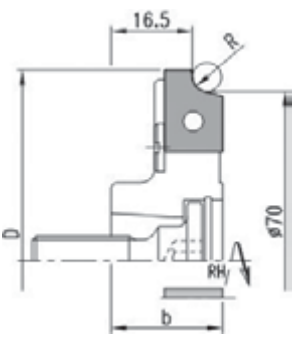
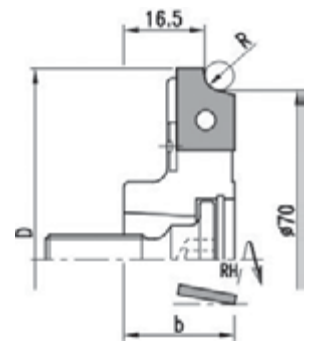
557



Cutterhead for edge banding machines
Porte-outils pour plaqueuse de chants

586

MEC HW



D	b	d	Z	R	n _{max.}	Ref.LH	Ref.RH
Homag							
79	23	HSK 25R	4	2	18000	586.102	586.101
	23	HSK 25R	4	3	18000	586.104	586.103
85	24	HSK 25R	4	4	17700	586.106	586.105
	24	HSK 25R	4	5	17700	586.108	586.107

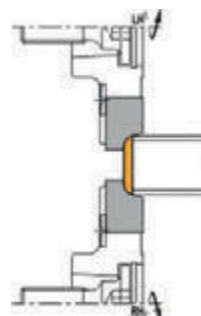
Spare parts - Pièces de rechange

	Dim.	Ref.LH	Ref.RH	
Knife - Plaque	R2	12x17x2	765.202	765.201
	R3	12x17x2	765.204	765.203
	R4	12x20x2	765.206	765.205
	R5	12x20x2	765.208	765.207
Clamping wedge - Cale		707.900.02	707.900.01	
Screw - Vis	M6x12	705.533	705.533	
T Wrench - Clé en T	SW3	706.103	706.103	
Screw - Vis	M10x1,25	705.099	705.099	
T Wrench - Clé en T	SW10	706.107	706.107	

D	b	d	Z	R	n _{max.}	Ref.LH	Ref.RH
IMA							
79	23	HSK 25R	4	2	18000	586.202	586.201
	23	HSK 25R	4	3	18000	586.204	586.203

Spare parts - Pièces de rechange

	Dim.	Ref.LH	Ref.RH	
Knife - Plaque	R2	12x17x2	765.210	765.209
	R3	12x17x2	765.212	765.211
Clamping wedge - Cale		707.902.04	707.902.03	
Screw - Vis	M6x12	705.533	705.533	
Screw - Vis	M10x1,25	705.099	705.099	
T Wrench - Clé en T	SW10	706.107	706.107	



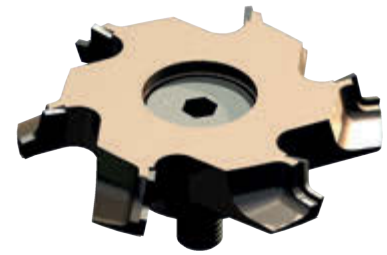
Edge rounding diamond cutter
Fraise 1/4 de rond d'affleurage



D	R	B	d	Z	n _{max.}	Ref.LH	Ref.RH
Homag - IMA							
79	1	23	HSK 25R	4	24000	A861.079.001.97	A861.079.101.97
	2	23	HSK 25R	4	24000	A861.079.002.97	A861.079.102.97
	2	23	HSK 25R	6	24000	A861.079.302.97	A861.079.202.97
	3	23	HSK 25R	4	24000	A861.079.003.97	A861.079.103.97
	3	23	HSK 25R	6	24000	A861.079.303.97	A861.079.203.97
	85	4	24	HSK 25R	4	24000	A861.085.004.97
4		24	HSK 25R	6	24000	A861.085.304.97	A861.085.204.97
5		24	HSK 25R	4	24000	A861.085.005.97	A861.085.105.97
5		24	HSK 25R	6	24000	A861.085.305.97	A861.085.205.97

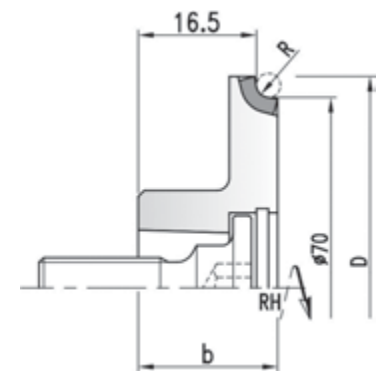
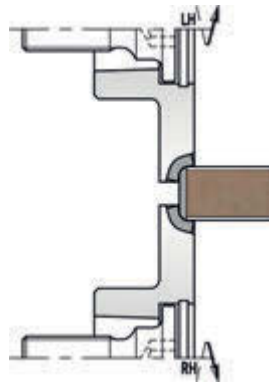
MEC DP

A861



Spare parts - Pièces de rechange

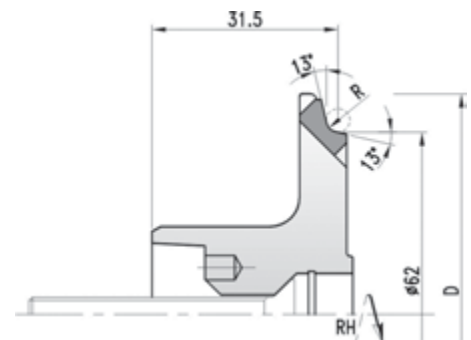
	Dim.	Ref.
Screw - Vis	M10x1,25	705.099
T Wrench - Clé en T	SW10	706.107



D	R	d	Z	n _{max.}	Ref.LH	Ref.RH
Homag - IMA						
75	1	HSK 32	4	18000	A861.075.001.96	A861.075.101.96
	2	HSK 32	4	18000	A861.075.002.96	A861.075.102.96
	2	HSK 32	6	18000	A861.075.302.96	A861.075.202.96
	3	HSK 32	4	18000	A861.075.003.96	A861.075.103.96
	3	HSK 32	6	18000	A861.075.303.96	A861.075.203.96
	4	HSK 32	4	18000	A861.075.004.96	A861.075.104.96
	4	HSK 32	6	18000	A861.075.304.96	A861.075.204.96
	5	HSK 32	4	18000	A861.075.005.96	A861.075.105.96
	5	HSK 32	6	18000	A861.075.305.96	A861.075.205.96

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M6x45	705.340.45
T Wrench - Clé en T	SW3	706.103



Edge rounding diamond cutter
Fraise 1/4 de rond d'affleurage, DP



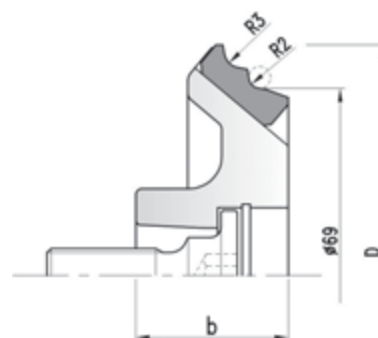
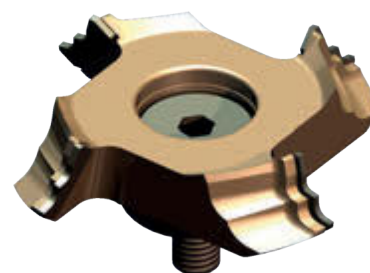
D	R	B	d	Z	n _{max.}	Ref.LH	Ref.RH
Homag - IMA							
85	2/3	28	HSK 25R	4	24000	A862.085.004.97	A862.085.104.97
	2/3	28	HSK 25R	6	24000	A862.085.006.97	A862.085.106.97

MEC DP

A862

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M10x1,25	705.099
T Wrench- Clé en T	SW10	706.107



3

Profile cutterblocks and cutterheads Fraises et porte-outils profil



Chamfering cutterblock and cutterhead	
Fraise et porte-outils à chanfrein	3.3-3.5
V-grooving cutterblock for Alucobond®	
Fraise à chanfreinage pour Alucobond®	3.6
Chamfering and radiated	
Fraise et porte-outils à dresser, biseauter et arrondir.....	3.7-3.9
Rounding cutterhead and cutterblock	
Fraise et porte-outils à arrondir	3.9-3.11
Half round convex radius shaper	
Fraise et porte-outils à rayon 1/2 rond convexe	3.12-3.13
Multiple dowel cutterblock	
Fraise à bâtons multiples	3.14
Universal profile cutterblock	
Porte-outils multi-profil	3.15-3.16
Profile cutterset Multicut 5	
Jeu de fraises profil Multicut 5	3.17-3.18
Universal profile cutterhead “unic”	
Porte-outils multi-profil “unic”	3.19-3.22
Universal profile cutterhead	
Porte-outils à profiler universel	3.23-3.24
Moulding cutterhead	
Porte-outils à profiler	3.25-3.28
Universal cutterhead with profiled knives	
Porte-outils universel à couteaux profilés	3.29-3.38
Profile cutterblock	
Fraise-Profil	3.39-3.45
Handrail profile cutterblock	
Fraise pour main courante	3.39-3.45

Adjustable chamfering cutterhead Porte-outil à chanfreiner ajustable

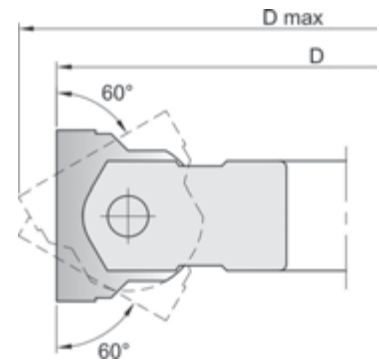
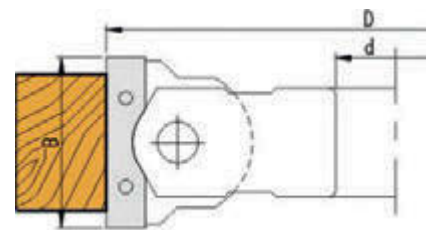
D	D _{max.}	B	d	Z	n _{min.-max.}	Ref.
140	163	50	30	2	5500-7500	510.103
170	193	50	30/50	2	4500-6000	510.102
	218	80	30/50	3	4500-6000	510.301

Spare parts - Pièces de rechange

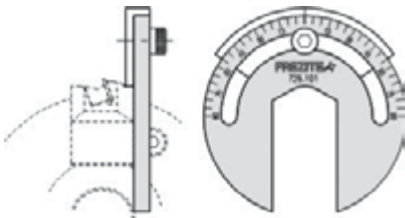
nr.	B	Dim.	Ref.
1 Knife - <i>Plaquette</i>		50x12x1,5 80x13x2,2	750.106 750.108
2 Clamping wedge - <i>Cale</i>	50 80		707.121 707.128
3 Screw - <i>Vis</i>		M8x10	705.540
4 Blocking sleeve - <i>Écrou de serrage</i>			709.109
5 Screw - <i>Vis</i>		M8x30	705.341
6 Screw - <i>Vis</i>		M8x50	705.555
7 T Wrench - <i>Clé en T</i>		SW4 SW5	706.104 706.105

MAN HW

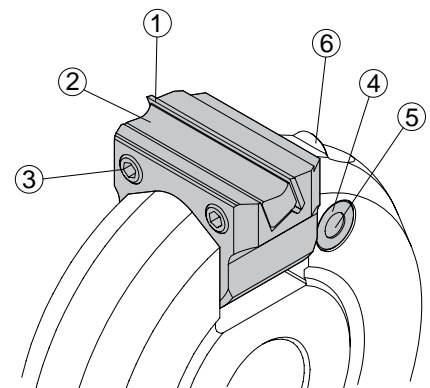
510



Scale in 2,5° increment
Échelle avec 2,5° espacement



Ref. 726.101
Scale in 1° increment
Échelle avec 1° espacement



Chamfering cutterhead Porte-outils à chanfrein

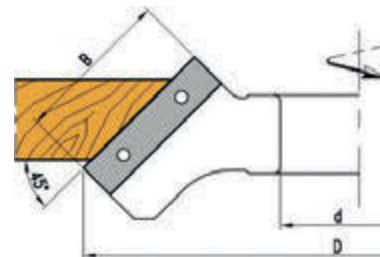
D	B	d	Z	n min.-max.	Ref.
175	50	30/50	4	4300-7400	544.201

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	50x12x1,5	750.106
Clamping wedge - Cale		707.002.48
Screw - Vis	M8x16	705.542
T Wrench - Clé en T	SW4	706.104

MAN HW

544

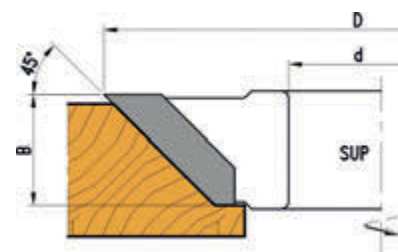


Chamfering cutterblock Fraise à chanfrein

D	B	d	Z	n min.-max.	Ref.INF	Ref.SUP
140	15	30/50	4	5500-9500	407.091	407.092
150	30	30/50	4	5200-8900	407.301	407.302

MAN HW

407



V-grooving cutterhead Porte-outil pour pliage

D	d	Z	n min.-max.	Ref.
140	30/50	2+2	5500-9500	519.201

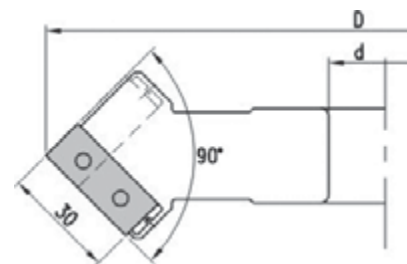
Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	29,5x12x1,5	753.207
Clamping wedge - Cale		inf. 707.133.30 sup. 707.130.30
Screw - Vis	M8x12	705.541
T Wrench - Clé en T	SW4	706.104



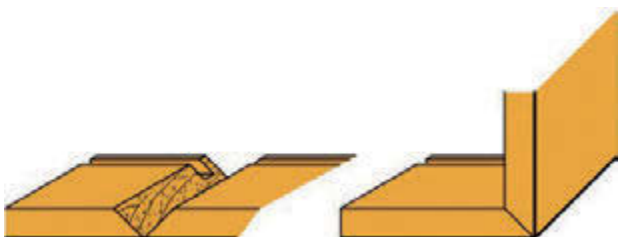
MAN HW

519



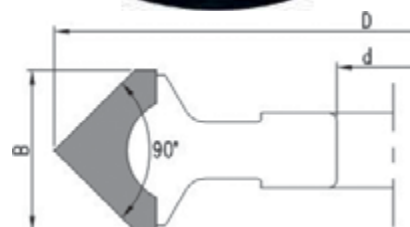
V-grooving cutterblock Fraise pour pliage

D	B	d	Z	n min.-max.	Ref.
140	16	30/50	4	5500-9500	152.301



MAN HW

152

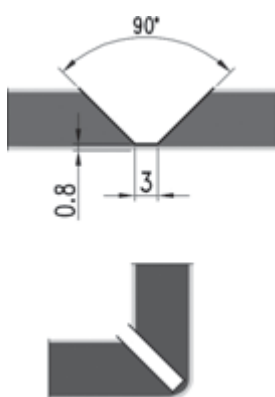
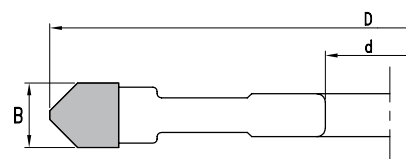


V-grooving cutterblock for Alucobond®
Fraise pour pliage en Alucobond®

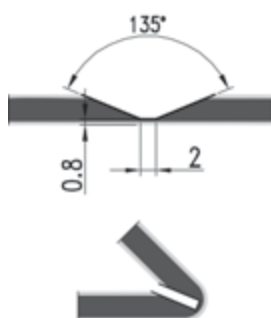
	D	B	α	d	Z	$n_{\text{min.-max.}}$	Ref.
new	244	18,5	90°	30	8	3100-7000	315.101
new		18,5	135°	30	8	3100-7000	315.102

MAN HW

315



Groove for foldings up to 90°
 Profil en V pour des angles jusqu'à 90°



Groove for foldings up to 180°
 Profil en V pour des angles jusqu'à 180°

Chamfering and radiated cutterhead Porte-outil à dresser, biseauter et arrondir

D	B	d	Z	R	n ⁿ min.-max.	Ref.
125	50	40/50	4	4	6200-10600	568.101

Spare parts - Pièces de rechange

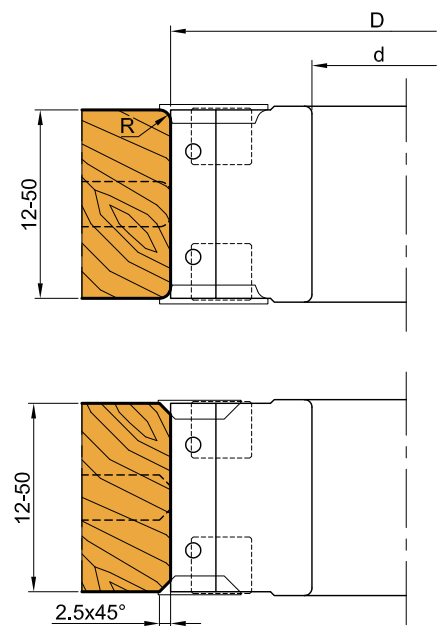
	Dim.	Ref.
Knife - <i>Plaquette</i>	50x12x1,5	750.106
Clamping wedge - <i>Cale</i>		707.002.48
Screw - <i>Vis</i>	M8x13	705.542
Chamfering blade - <i>Chanfreineuse</i>	45°	780.260
Rounding blade - <i>Arrondisseur</i>	R2	780.250
	R3	780.251
Screw - <i>Vis</i>	M5x13,5	705.318
	M5x12	705.523
T Wrench - <i>Clé en T</i>	SW2,5 (M5)	706.102
	SW4 (M8)	706.104

MAN HW

568



Cutterheads supplied with rounding blade R=3
Porte-outils fourni avec arrondisseurs R=3



Joining, chamfering and rounding cutterhead Porte-outils a dresser, biseauter et arrondir

Nr.	D	B	d	Z	R	Ref.
1	100	30	30	2		524.101
1		50	30	2		524.102
1	125	30	40/50	3		524.111
1		50	40/50	3		524.112
2	113	16	30	2	2-6/45°	524.211 ○
2	137	16	40/50	3	2-6/45°	524.212 ○
2	146	25	40/50	3	8-10/45°	524.213 ○

○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

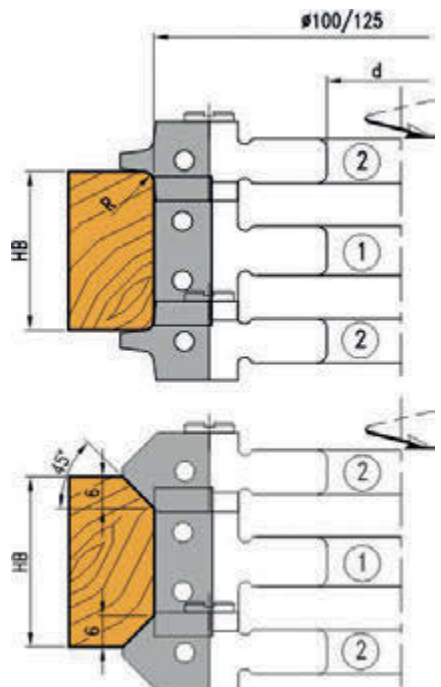
	Dim.	Ref.
Knife - Plaquette	30x12x1,5	750.104
	50x12x1,5	750.106
	R2 16x17,5x2	765.101
	R3 16x17,5x2	765.102
	R4 16x17,5x2	765.103
	R5 16x17,5x2	765.104
	R6 16x17,5x2	765.105
	R8 25x25x2	765.107
	R10 25x25x2	765.109
	7x45° 16x17,5x2	765.501
	10x45° 25x25x2	765.502
Clamping wedge - Cale	B30	707.001.28
	B50	707.001.48
	R2-6 / 45°	707.155
	R8-10 / 45°	707.280
Screw - Vis	R2-6 / 45° M6x10	705.532
	R8-10 / 45° M8x12	705.541
T Wrench - Clé en T	SW3 (M6)	706.103
	SW4 (M8)	706.104

MEC HW

524



Cutter diameter Diamètre de coupe	n max
100-113	11.800
125-137	9.100
125-146	9.100



Cutterhead supplied without spacer set.
Porte-outils livré sans jeu de bagues.

Nr.1 B=30mm

	HB min-max	2x ¹
R2 - 6/45°	14-33	703.009
R8 - 10/45°	21-44	703.010z

Nr.2 B=50mm

	HB min-max	2x ¹
R2 - 6/45°	18-53	703.015
R8 - 10/45°	25-64	703.012

¹ Spacer set

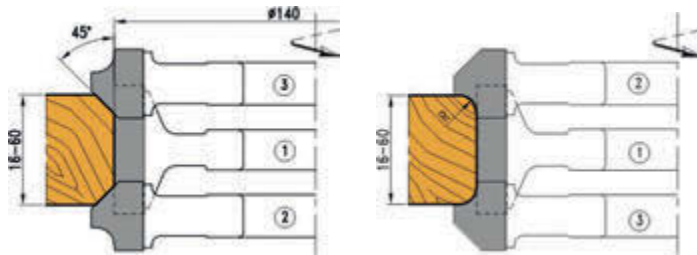
¹ Jeu de bagues

Chamfering and radiated cutterset
Jeu de fraises a dresser, biseauter et arrondir

Nr.	D	B	d	Z	R	n _{max.}	Ref.
1	140	60	30/50	3		8500	382.201
2	153	18	30/50	3	5	8500	382.404
3	153	18	30/50	3	5	8500	382.414
1+2+3							382.104

Spacers set - Jeu de bagues

B	Ref.
22	703.015



MEC HW

382



3

Rounding cutterhead
Porte-outils a arrondir

D	B	d	Z	R	n _{min.-max.}	Ref.
125,5	20	30/50	3	5/7	6100-10500	526.201 ○
132,5	20	30/50	3	8/10	5800-10000	526.202 ○
141	25	30/50	3	12/15	5400-9400	526.203 ○

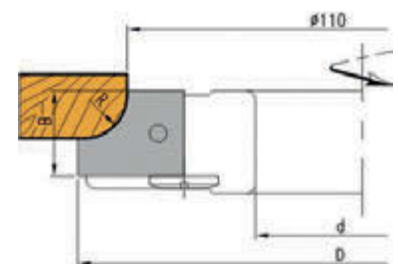
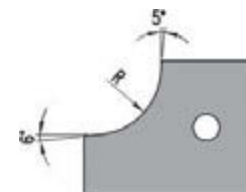
○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

	R	Dim.	Ref.
Knife - Plaquette	5	20x20x2	775.201
	7	20x20x2	775.202
	8	20x25x2	775.203
	10	20x25x2	775.204
	12	25x30x2	775.205
	15	25x30x2	775.206
Clamping wedge - Cale	5/7		707.180
	8/10		707.181
	12/15		707.182
Screw - Vis		M8x16	705.542
T Wrench - Clé en T		SW4	706.104

MAN HW

526

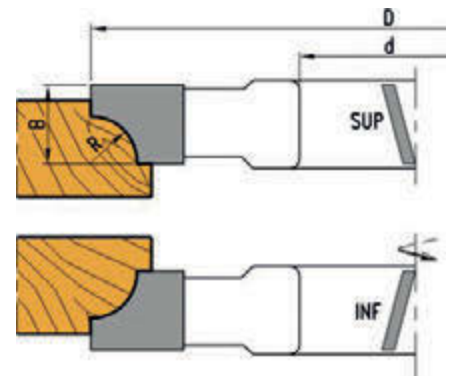


Quarter round concave radius shaper cutterblock
Fraise à rayon 1/4 de rond concave

D	B	d	Z	R	n _{min.-max.}	Ref.INF	Ref.SUP
140	12	30/50	4	5	5500-9500	370.101	370.301
	14	30/50	4	7	5500-9500	370.102	370.302
	15	30/50	4	8	5500-9500	370.103	370.303
	17	30/50	4	10	5500-9500	370.104	370.304
	19	30/50	4	12	5500-9500	370.105	370.305
	22	30/50	4	15	5500-9500	370.106	370.306
	27	30/50	4	20	5500-9500	370.107	370.307
150	33	30/50	4	25	5200-8900	370.108	370.308
160	40	30/50	4	30	4800-8300	370.109	370.309
180	50	30/50	4	40	4300-7400	370.110	370.310

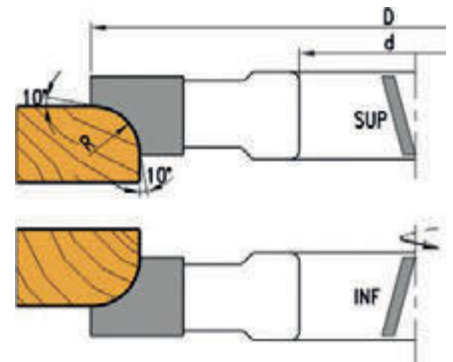
MAN HW

370



D	B	d	Z	R	n _{min.-max.}	Ref.INF	Ref.SUP
140	12	30/50	4	5	5500-9500	370.501 •	370.701 •
	14	30/50	4	7	5500-9500	370.502 •	370.702 •
	15	30/50	4	8	5500-9500	370.503 •	370.703 •
	17	30/50	4	10	5500-9500	370.504 •	370.704 •
	19	30/50	4	12	5500-9500	370.505 •	370.705 •
	22	30/50	4	15	5500-9500	370.506 •	370.706 •
	27	30/50	4	20	5500-9500	370.507 •	370.707 •
150	33	30/50	4	25	5200-8900	370.508 •	370.708 •
160	40	30/50	4	30	4800-8300	370.509 •	370.709 •
180	50	30/50	4	40	4300-7400	370.510 •	370.710 •

• Under request - Sur demande



Half round concave radius shaper cutterhead Porte-outils à rayon 1/2 rond concave

D	B	d	Z	R	n min.-max.	Ref.
140	20	30/50	3	4; 5; 6	500-9500	591.101 ◦
	30	30/50	3	8; 10	500-9500	591.102 ◦

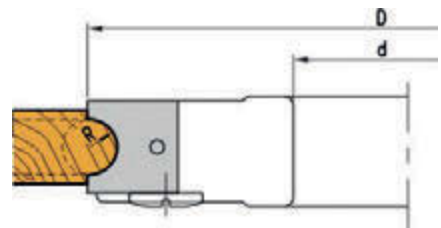
◦ Cutterhead supplied without knives - [Porte-outils livré sans plaquettes](#)

Spare parts - Pièces de rechange

	R	Dim.	Ref.
Knife - Plaquette	4	20x20x2	785.761
	5	20x20x2	785.762
	6	20x20x2	785.763
	8	30x25x2	785.764
	10	30x25x2	785.765
Clamping wedge - Cale	4/5/6		707.002.18
	8/10		707.812
Screw - Vis		M8x16	705.542
T Wrench - Clé en T		SW4	706.104

MAN HW

591



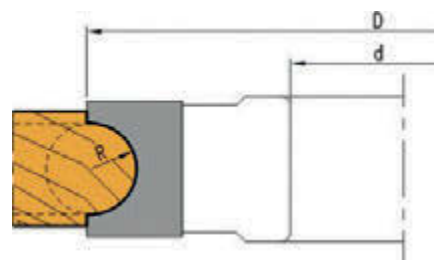
3

Half round concave radius shaper cutterblock Fraise à rayon 1/2 rond concave

D	B	d	Z	R	n min.-max.	Ref.
140	26	30/50	4	6	5500-9500	213.104
	28	30/50	4	7,5	5500-9500	213.110
	30	30/50	4	10	5500-9500	213.105
	40	30/50	4	12,5	5500-9500	213.106
	45	30/50	4	15	5500-9500	213.107
	50	30/50	4	17,5	5500-9500	213.108
	55	30/50	4	20	5500-9500	213.109

MAN HW

213

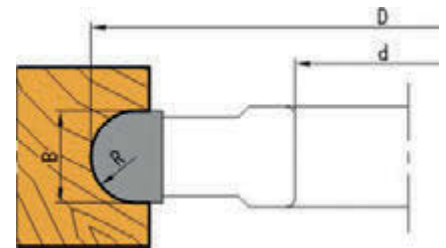


Half round convex radius shaper cutterblock
Fraise à rayon 1/2 rond convexe

D	B	d	Z	R	n min.-max.	Ref.
140	5	30/50	4	2,5	5500-9500	350.101
	6	30/50	4	3	5500-9500	350.099
	8	30/50	4	4	5500-9500	350.100
	10	30/50	4	5	5500-9500	350.102
	12	30/50	4	6	5500-9500	350.104
	15	30/50	4	7,5	5500-9500	350.105
	20	30/50	4	10	5500-9500	350.107
	40	30/50	4	20	5500-9500	350.113

MAN HW

350

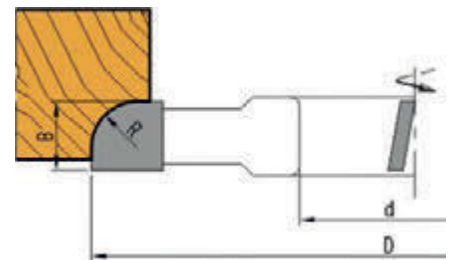


Quarter round convex radius shaper cutterblock
Fraise à rayon 1/4 de rond convexe

D	B	d	Z	R	n min.-max.	Ref.
140	10	30/50	4	5	5500-9500	360.101
	15	30/50	4	10	5500-9500	360.103
	20	30/50	4	15	5500-9500	360.105
	25	30/50	4	20	5500-9500	360.106

MAN HW

360



Quarter round concave-convex radius shaper cutterhead
Porte-outils à rayon 1/4 de rond concave-convexe

D	B	d	Z	R	n _{min.-max.}	Ref.
140	20	30/50	3	5, 6, 7	5500-9500	592.101 ○
	25	30/50	3	8,10	5500-9500	592.102 ○
new	35	30/50	3	12,15	5500-9500	592.103 ○

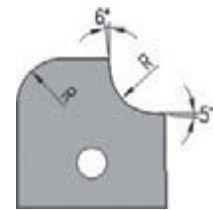
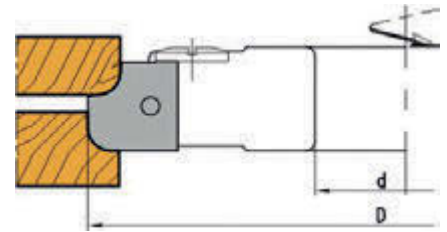
○ Cutterhead supplied without knives - [Porte-outils livré sans plaquettes](#)

Spare parts - Pièces de rechange

	R	Dim.	Ref.
Knife - Plaquette	5	20x20x2	785.766
	6	20x20x2	785.767
	7	20x20x2	785.772
	8	25x25x2	785.773
	10	25x25x2	785.769
	12	35x30x2	785.776
Clamping wedge - Cale	15	35x30x2	785.777
	5,6,7		707.002.18
	8,10		707.811
Screw - Vis	12,15		707.813
	5,6,7	M8x16	705.542
T Wrench - Clé en T	8,10,12,15	M10x20	705.552
		SW4 (M8)	706.104
		SW5 (M10)	706.105

MAN HW

592



Multiple dowel cutterblock Fraise à bâtons multiples

D	d	n max.
120-130	30/50	10200
131-140	30/50	9500
141-150	30/50	8900
151-160	30/50	8300

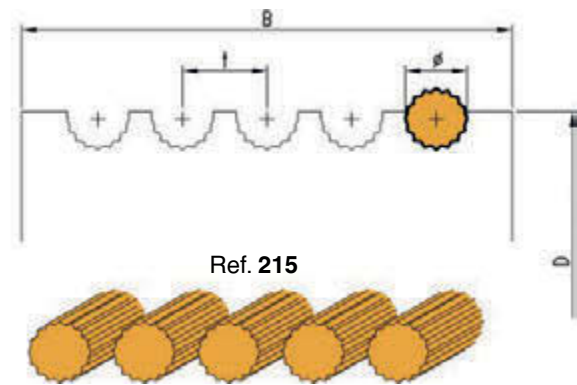
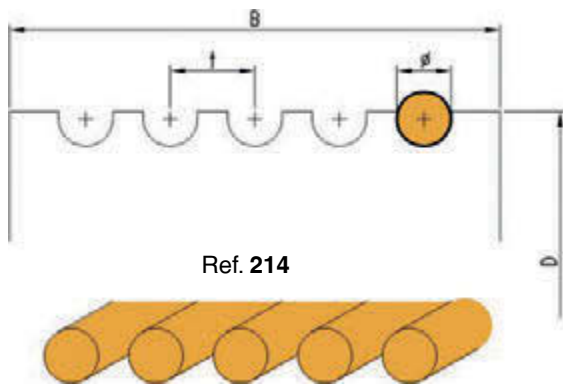
• Under request - [Sur demande](#)

MEC HS
HW

214/5



According to DIN 68150.
Selon DIN 68150.

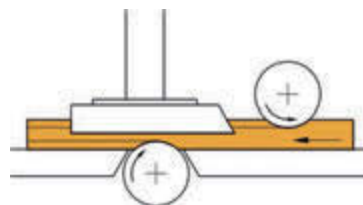


HS

	Ø	6	8	10	12	14	15	16	18	20	25
	t	7	9	11	13,5	15,5	16,5	17,5	19,5	22	27
		B= Cutter width - Largeur de coupe									
Nr. of dowels Nr. de bâtons	2	23	27	31	35,5	39,5	41,5	43,5	47,5	56	66
	3	30	36	42	49	55	58	61	67	78	93
	4	37	45	53	62,5	70,5	74,5	78,5	86,5	100	120
	5	44	54	64	76	86	91	96	106	122	-
	6	51	63	75	89,5	101,5	107,5	113,5	125,5	-	-
	7	58	72	86	103	117	124	-	-	-	-
	8	65	81	97	116,5	-	-	-	-	-	-

t (HW) = t (HS) + 1mm

In order to ensure perfect machining of dowels, the application of a guide rail is recommended.
Pour assurer des bâtons parfaits, nous recommandons l'utilisation d'un sabot de guidage.



Universal profile cutterhead
Porte-outils multi-profil

D	B	d	Z	n min.-max.	Ref.
140	50	30/50	2	5500-9500	593.101

MAN HW

593



Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	50x30x2	785.771
Clamping wedge - Cale		707.952
Screw - Vis	M8x16	705.542
T Wrench - Clé en T	SW4	706.104

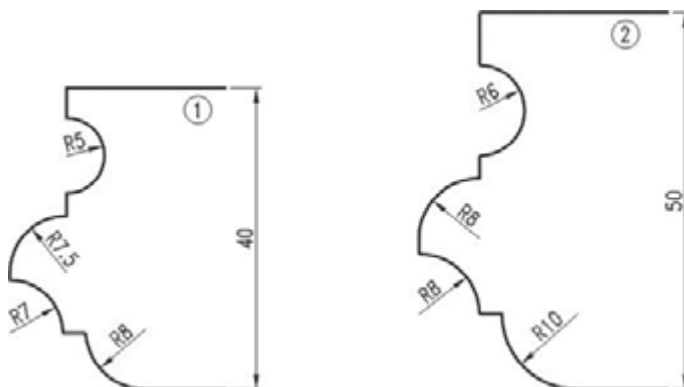


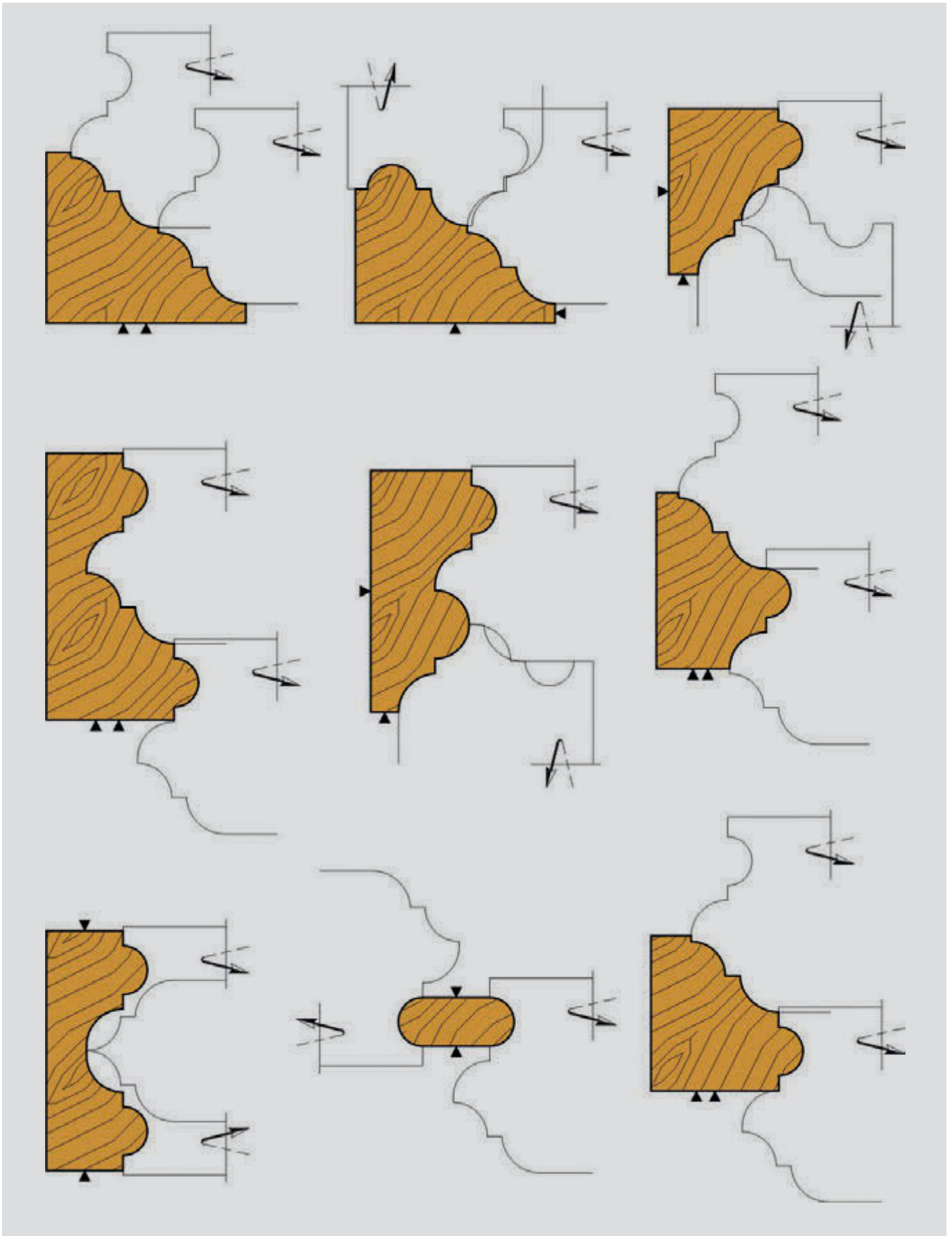
Universal profile cutterblock
Fraise multi-profil

Nr.	D	B	d	Z	n min.-max.	Ref.
1	120	40	30	2	6400-11100	211.110
1	140	40	50	3	5500-9500	211.301
2		50	50	3	5500-9500	211.302

MAN HW

211





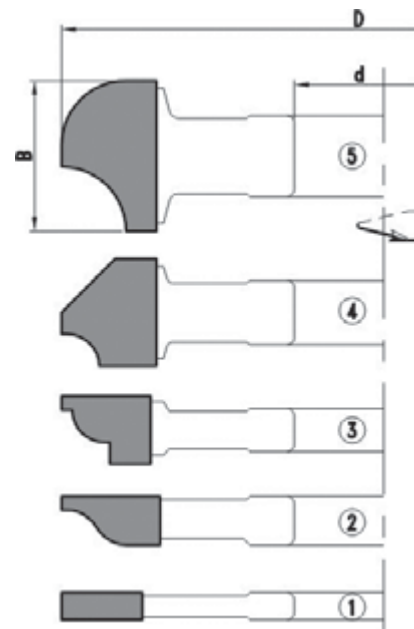
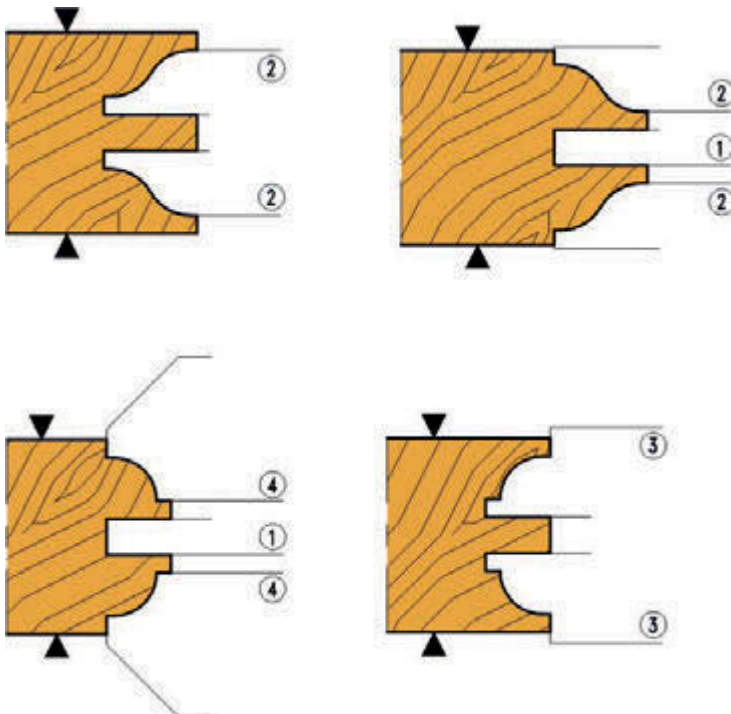
D	d	Z	n _{min.-max.}	Ref.
120	30	2	6400-11100	480.382
140	50	2	5500-9500	481.382

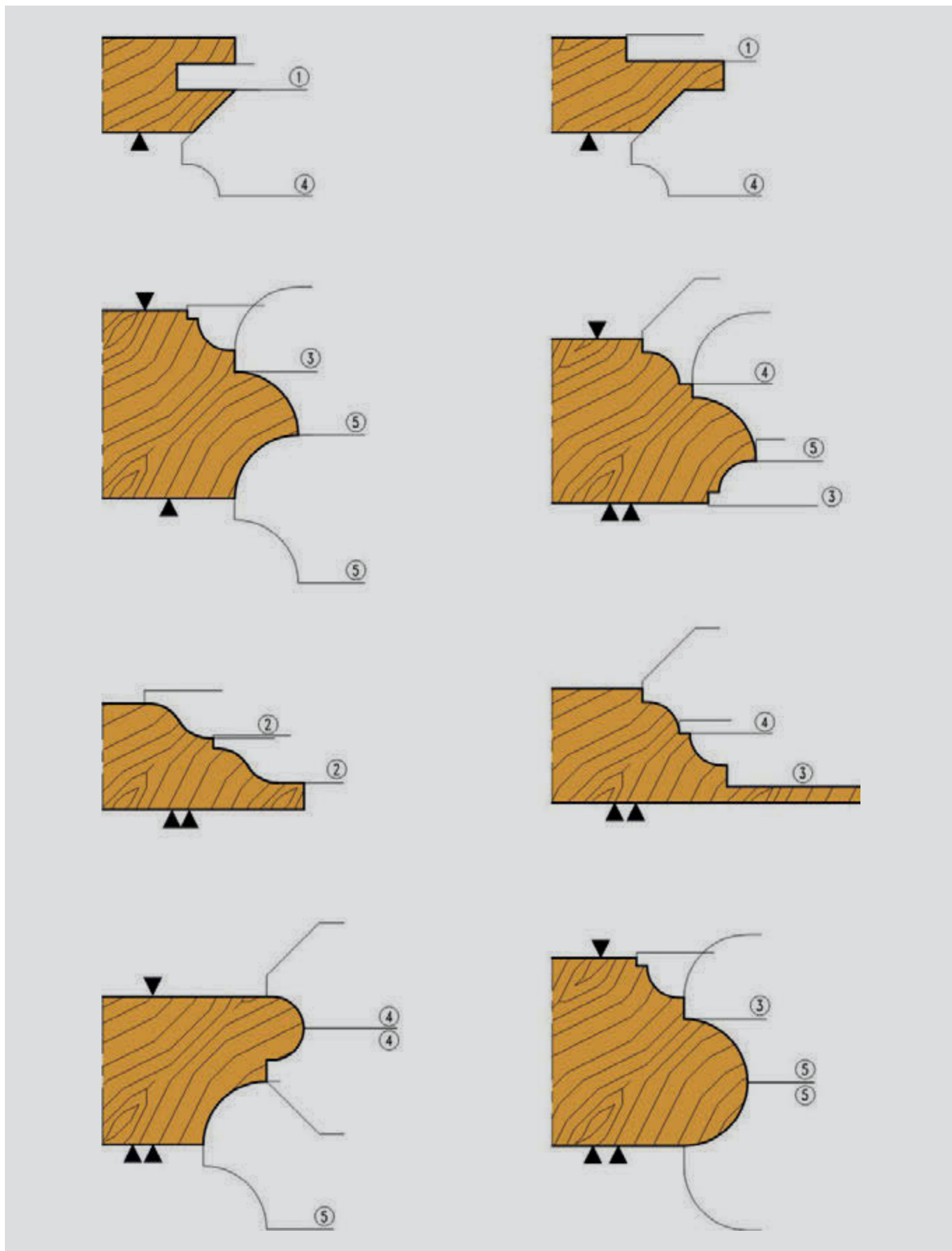
MAN HW

480/1



Set composed by 5 cutters.
Jeu composé par 5 fraises.





Universal profile cutterhead
Porte-outils multi-profil

unic-a

D	B	d	Z	n _{max.}	Ref.
140	20	50	3	9500	567.101 ○

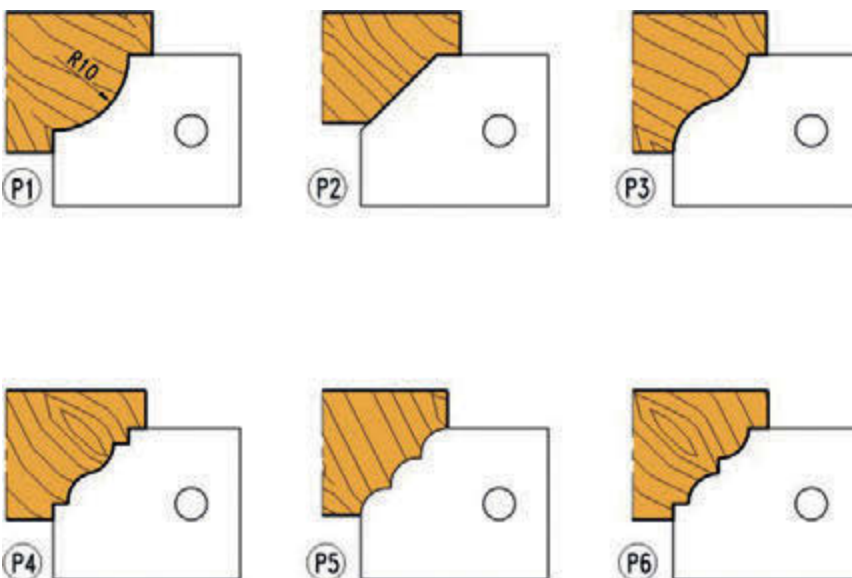
MEC HW

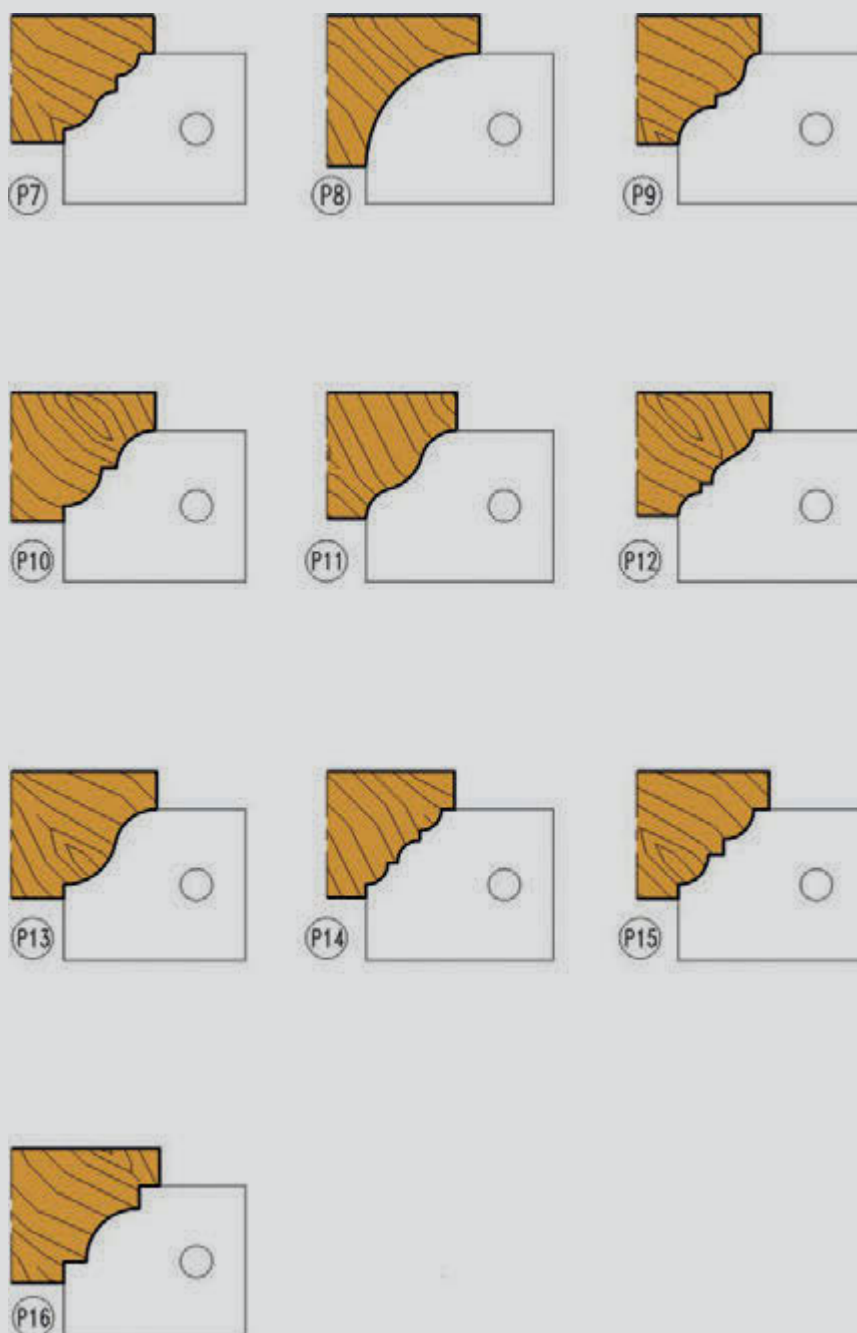
567

○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

		Dim.	Ref.
Knife - Plaquette	P1	20x25x2	785.631
	P2	20x25x2	785.632
	P3	20x25x2	785.633
	P4	20x25x2	785.634
	P5	20x25x2	785.635
	P6	20x25x2	785.636
	P7	20x25x2	785.637
	P8	20x25x2	785.638
	P9	20x25x2	785.639
	P10	20x25x2	785.640
	P11	20x25x2	785.641
	P12	20x25x2	785.642
	P13	20x25x2	785.643
	P14	20x25x2	785.644
	P15	20x25x2	785.645
	P16	20x25x2	785.646
Clamping wedge - Cale			707.090
Screw - Vis		M8x16	705.542
T Wrench - Clé en T	R3	SW4	706.104





Universal profile cutterhead
Porte-outils multi-profil

unic-b

D	B	d	Z	n _{max.}	Ref.
140	20	50	3	9500	567.201 ○

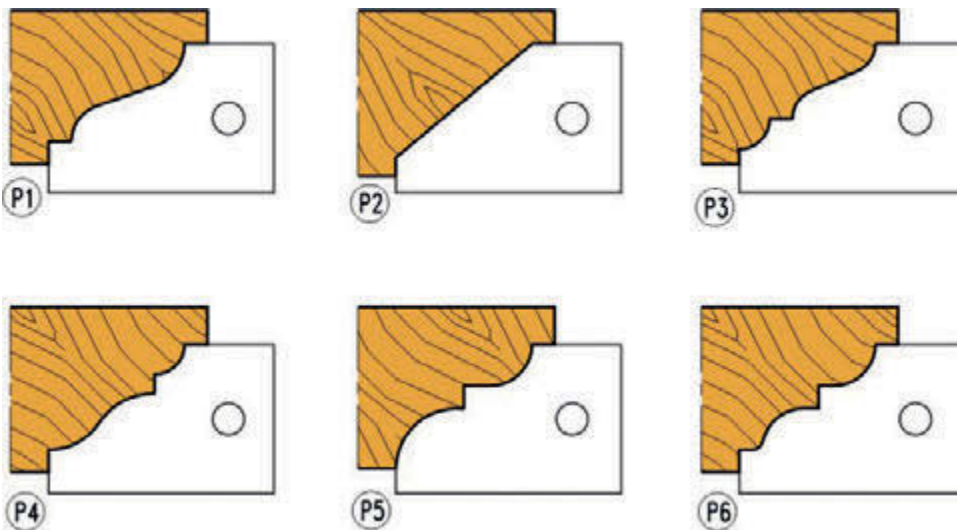
MEC HW

567



Spare parts - Pièces de rechange

		Dim.	Ref.
Knife - Plaquette	P1	20x30x2	785.651
	P2	20x30x2	785.652
	P3	20x30x2	785.653
	P4	20x30x2	785.654
	P5	20x30x2	785.655
	P6	20x30x2	785.656
	P7	20x30x2	785.657
	P8	20x30x2	785.658
	P9	20x30x2	785.659
	P10	20x30x2	785.660
	P11	20x30x2	785.661
	P12	20x30x2	785.662
	P13	20x30x2	785.663
	P14	20x30x2	785.664
	P15	20x30x2	785.665
	P16	20x30x2	785.666
	P17	20x30x2	785.667
	P18	20x30x2	785.668
Clamping wedge - Cale			707.086
Screw - Vis		M8x16	705.542
T Wrench - Clé en T		SW4	706.104





Universal profile cutterhead Porte-outils à profiler universel

D	B	d	Z		Ref.
138	40	30/50	3	8500	564.111
	50	30/50	3	8500	564.112
	60	30/50	3	8500	564.113

Knives and back support not included - Porte-outils livré sans couteaux ni plaques d'appui.

Spare parts - Pièces de rechange

	Dim.	Ref.
Clamping wedge - Cale	40	707.300.38
	50	707.300.48
	60	707.300.58
Screw - Vis	M8x16	705.542
T Wrench - Clé en T	SW4	706.104

Knives not profiled - Couteaux sans profil

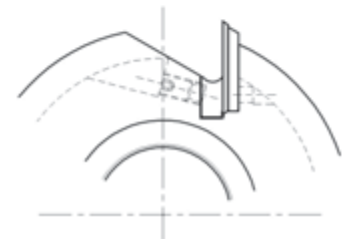
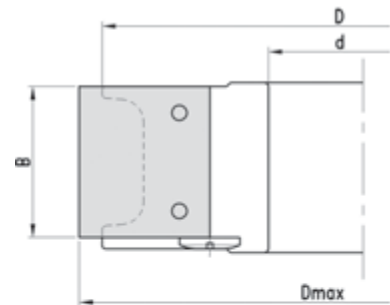
	Dim.	Dmax.	Ref.	
	40	40x35x2	150	769.204
	50	50x35x2		769.206
	60	60x35x2		769.208
	40	40x40x2	160	769.214
	50	50x40x2		769.207
	60	60x40x2		769.209

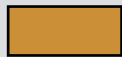
Back support not profiled - plaquettes d'appui sans profil

	Dim.	Dmax.	Ref.	
	40	38x31x3,8	150	710.210
	50	48x31x3,8		710.211
	60	58x31x3,8		710.212
	40	38x36x3,8	160	710.220
	50	48x36x3,8		710.221
	60	58x36x3,8		710.222

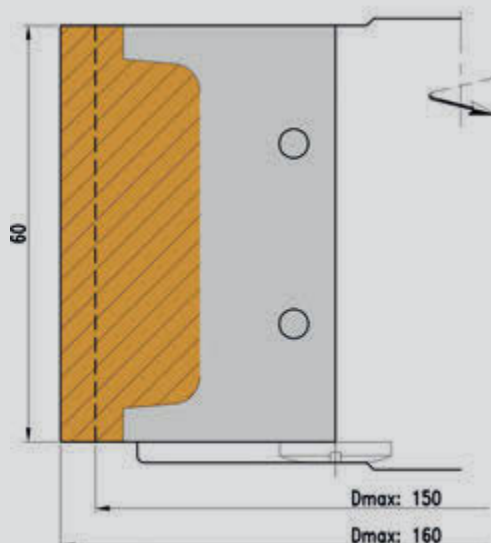
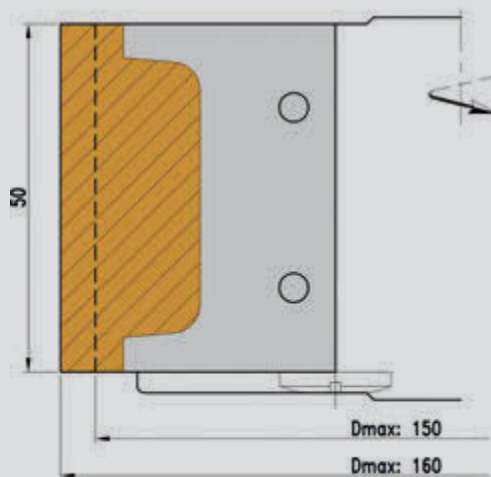
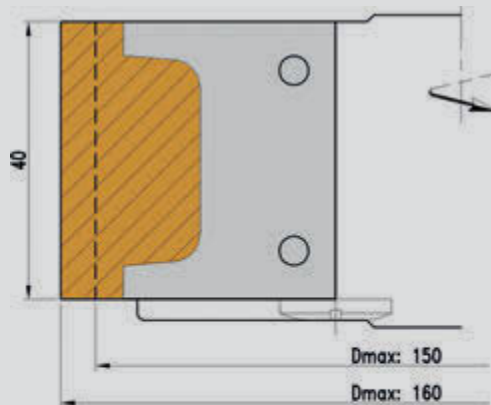
MEC HW

564





Available area for profiling (1:1)
Surface à profiler (1:1)



Moulding cutterhead PowerLock Porte-outils à profiler PowerLock

D	B	S	Z	n max.	Ref. LH/INF	Ref. RH/SUP
90	60	HSK 85WE	2	12000	601.101.61	601.201.61
	80	HSK 85WE	2	12000	601.102.61	601.202.61
	100	HSK 85WE	2	12000	601.103.61	601.203.61
	130	HSK 85WE	2	12000	601.104.61	601.204.61
	150	HSK 85WE	2	12000	601.105.61	601.205.61
	170	HSK 85WE	2	12000	601.106.61	601.206.61
	190	HSK 85WE	2	12000	601.107.61	601.207.61
	210	HSK 85WE	2	12000	601.108.61	601.208.61
	240	HSK 85WE	2	12000	601.109.61	601.209.61
90	60	HSK 85WE	4	12000	601.151.61	601.251.61
	80	HSK 85WE	4	12000	601.152.61	601.252.61
	100	HSK 85WE	4	12000	601.153.61	601.253.61
	130	HSK 85WE	4	12000	601.154.61	601.254.61
	150	HSK 85WE	4	12000	601.155.61	601.255.61
	170	HSK 85WE	4	12000	601.156.61	601.256.61
	190	HSK 85WE	4	12000	601.157.61	601.257.61
	210	HSK 85WE	4	12000	601.158.61	601.258.61
	240	HSK 85WE	4	12000	601.159.61	601.259.61

o Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M12x20	705.556
T Wrench - Clé en T	SW6	706.106

We offer three different solutions for the planing and profiling work with PowerLock technology: Blank (rigidly body - monobloc), modular (adaptor cone HSK) and arbor HSK (for mounting) systems. For more details, please consult our commercial department.

Nous offrons trois différentes solutions pour profilage et rabotage avec la technologie PowerLock: système "blank" (corps monobloc), système modulaire (cône HSK attaché sûr l'outil) et système arbre porte fraises HSK pour montage des outils. Pour informations complémentaires, veuillez consulter notre département commercial.



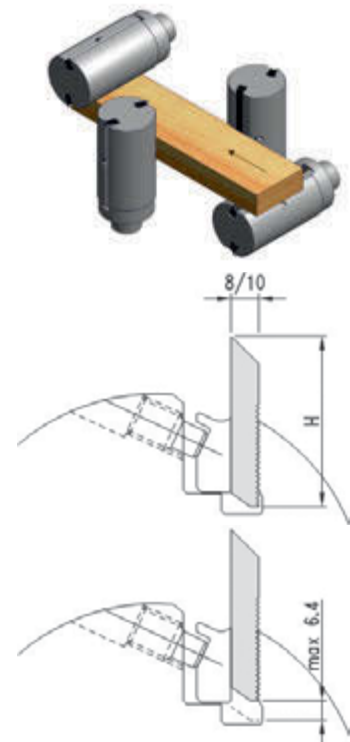
MEC **HS**
HW

601



Recommended cutting material
Matériel de coupe recommandée

Softwood Pour bois tendres	HS
Hardwood Bois dur	HW



Maximum profile depth
Profondeur du profil maximum

Knife Couteaux	HS	HW
H=50	20	20
H=60	28	20
H=70	38	24

Moulding cutterhead Porte-outils à profiler

D	B	d	Z	n min.-max.	Ref.
122	40	30/40	2	4300-7400	573.101 ○
	60	30/40	2	4300-7400	573.102 ○
	80	30/40	2	4300-7400	573.103 ○
	100	30/40	2	4300-7400	573.104 ○

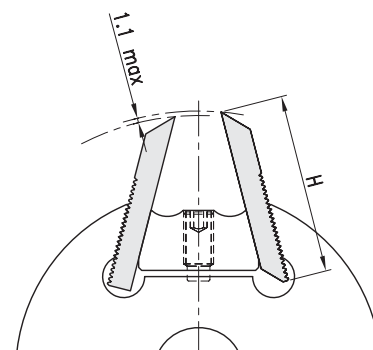
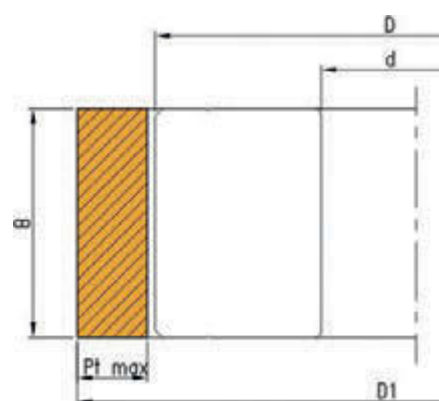
○ Cutterhead supplied without knives - [Porte-outils livré sans plaquettes](#)

Spare parts - Pièces de rechange

	Dim.	Ref.
Clamping wedge - Cale	40	707.853.40
	60	707.853.60
	80	707.853.80
	100	707.853.100
Screw - Vis	M12x20	705.556
T Wrench - Clé en T	SW6	706.106

MAN HS

573



Maximum profile depth

[Profondeur maximum du profil](#)

Knife Couteaux	HS
H=50	15
H=60	25

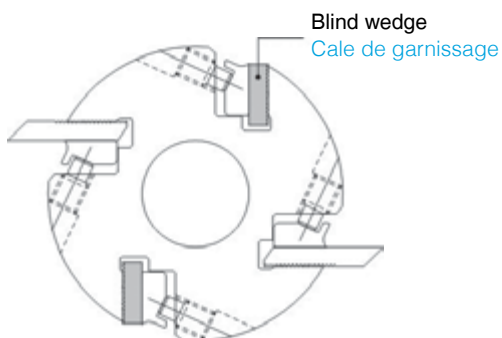
Moulding cutterhead Porte-outils à profiler

D	B	d	Z	n _{max.}	Ref.
122	40	40	2	9000	501.101 ○
	60	40	2	9000	501.102 ○
	80	40	2	9000	501.103 ○
122	40	40	4	9000	501.301 ○
	60	40	4	9000	501.302 ○
	80	40	4	9000	501.303 ○
	100	40	4	9000	501.304 ○
	130	40	4	9000	501.305 ○
	150	40	4	9000	501.306 ○
	180	40	4	9000	501.307 ○
	230	40	4	9000	501.308 ○
137	40	50	4	9000	501.401 ○
	60	50	4	9000	501.402 ○
	80	50	4	9000	501.403 ○
	100	50	4	9000	501.404 ○
	130	50	4	9000	501.405 ○
	150	50	4	9000	501.406 ○
	180	50	4	9000	501.407 ○

○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

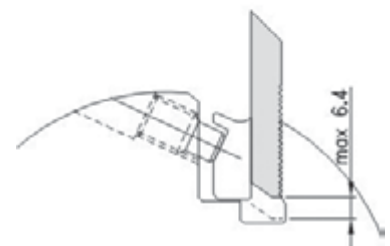
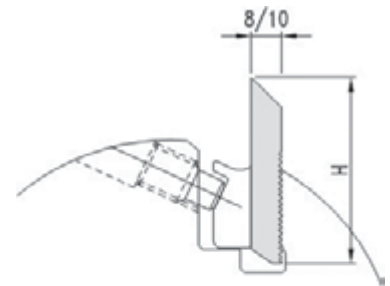
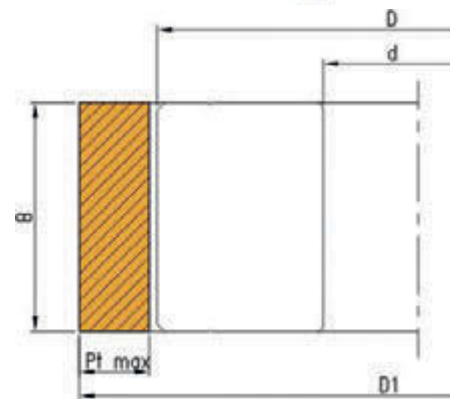
Spare parts - Pièces de rechange

	B	Dim.	Ref.
Clamping wedge - Cale	40		707.430
	60		707.431
	80		707.432
	100		707.433
	130		707.435
	150		707.436
	180		707.437
Blind wedge - Cale de garnissage	40		707.330
	60		707.331
	80		707.332
	100		707.333
	130		707.334
	150		707.335
	180		707.336
Screw - Vis		M12x20	705.556
T Wrench - Clé en T		SW6	706.106



MEC HS
HW

501



Maximum profile depth
Profondeur maximum du profil

Knife Couteaux	HS	HW
H=50	15	11
H=60	25	17
H=70	35	20

Maximum diameter D1
Diamètre maximum D1

Knife Couteaux	D1 (D122)	D1 (D137)
H=50	160	175
H=60	179	194
H=70	198	214

Hydro-Moulding cutterhead Porte-outils hydro à profiler

D	B	d	Z	n max.	Ref.	
137	60	40	4	9000	562.402 ○	
	100	40	4	9000	562.404 ○	
	130	40	4	9000	562.405 ○	
	150	40	4	9000	562.406 ○	
	180	40	4	9000	562.407 ○	
	230	40	4	9000	562.408 ○	
150	60	50	4	8000	562.412 ○	
	100	50	4	8000	562.414 ○	
	130	50	4	8000	562.415 ○	
	150	50	4	8000	562.416 ○	
	180	50	4	8000	562.417 ○	
	230	50	4	8000	562.418 ○	
150	60	50	6	8000	562.422 ○	
	100	50	6	8000	562.424 ○	
	130	50	6	8000	562.425 ○	
	150	50	6	8000	562.426 ○	
	180	50	6	8000	562.427 ○	
	230	50	6	8000	562.428 ○	
163	60	50	8	6000	562.432 ○	
	100	50	8	6000	562.434 ○	
	130	50	8	6000	562.435 ○	
	150	50	8	6000	562.436 ○	
	180	50	8	6000	562.437 ○	
	230	50	8	6000	562.438 ○	
new	190	60	50	12	6000	562.442 ○
new	80	50	12	6000	562.443 ○	
new	100	50	12	6000	562.444 ○	
new	130	50	12	6000	562.445 ○	
new	150	50	12	6000	562.446 ○	
new	180	50	12	6000	562.447 ○	
new	230	50	12	6000	562.448 ○	

○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

	Dim.	Ref.
Clamping wedge - Cale	60	707.431
	100	707.433
	130	707.435
	150	707.436
	180	707.437
	230	707.439
Blind wedge - Cale de garnissage	60	707.431
	100	707.433
	130	707.434
	150	707.435
	180	707.436
Screw - Vis	M10x20	705.552.01
T Wrench - Clé en T	SW5	706.105
Grease pump - Pompe de chargement		724.401
Grease cartridge - Charge		724.402
Safety ring - Bague de sécurité		724.404

MEC **HS**
HW

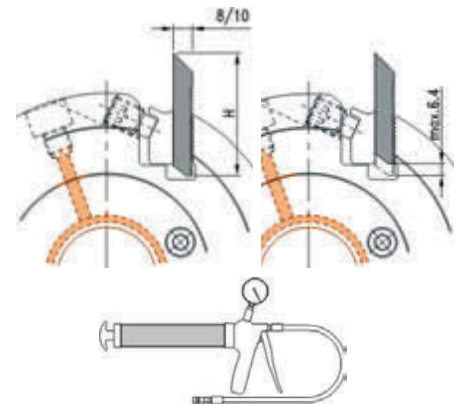
562



Recommended cutting material

Matériel de coupe recommandée

Softwood Pour bois tendres	HS
Hardwood Bois dur	HW



You should always use the safety ring 724.404 while setting up the cutter. See chapter 10.

Utiliser toujours la bague de sécurité 724.404 pour montage du porte-outils hydro. Voir le chapitre 10.

Maximum profile depth

Profondeur maximum du profil

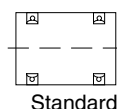
Knife Couteaux	HS	HW
H=50	15	10
H=60	25	15
H=70	35	18

Maximum diameter

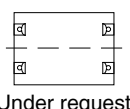
Diamètre maximum

Knife Couteaux	Dmax (D137)	Dmax (D150)	Dmax (D163)
H=50	175	190	200
H=60	195	205	220
H=70	215	225	240

Pressure nip-
ple scheme:
Schéma pour
la distribution
de pression:



Standard



Under request
Sur demande

Universal cutterhead with profiled knives Porte-outils universel à couteaux profilés

With 2 rebate Knives - Avec 2 plaquettes à dresser

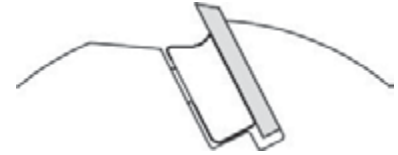
D	B	d	Z	n max.	Ref.
100	40	30	2	9000	590.102
120	40	50	2	9000	590.202

Set complete in box - Jeu complet avec coffret

D	B	d	Z	Knife Plaquette	n max.	Ref.
100	40	30	2	1- 6	9000	590.004
	40	30	2	1-12	9000	590.003
	40	30	2	9/12/14/15/19/36	9000	590.008
120	40	50	2	1- 6	9000	590.024
	40	50	2	1-12	9000	590.023
	40	50	2	9/12/14/15/19/36	9000	590.028

MEC SP

590



With 2 rebate Knives - Avec 2 plaquettes à dresser

D	B	d	Z	n min.-max.	Ref.
100	40	30	2	6000-9000	590.101
120	40	50	2	6000-9000	590.201

Set complete in box - Jeu complet avec coffret

D	B	d	Z	Knife Plaquette	n max.	Ref.
100	40	30	2	1- 6	6000-9000	590.002
	40	30	2	1-12	6000-9000	590.001
	40	30	2	9/12/14/15/19/36	6000-9000	590.009
120	40	50	2	1- 6	6000-9000	590.022
	40	50	2	1-12	6000-9000	590.021
	40	50	2	9/12/14/15/19/36	6000-9000	590.029

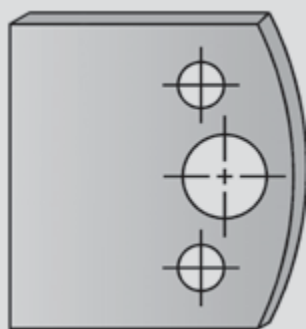
MAN SP

3

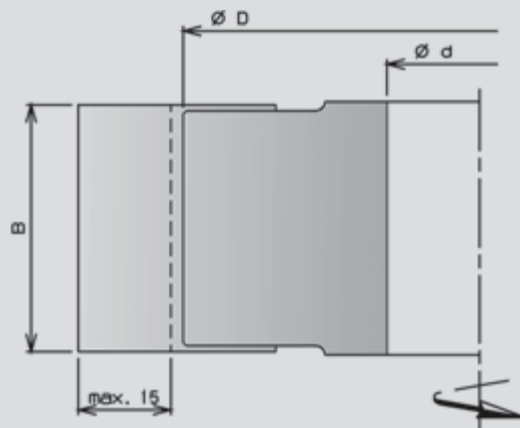


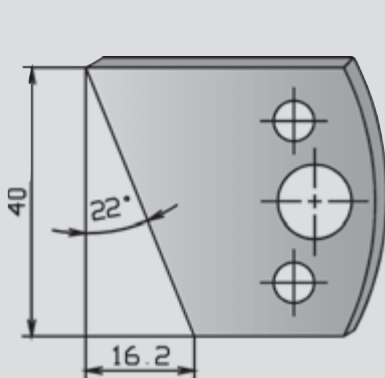
Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Clamping wedge - Cale	1		707.850
	2		707.851
Screw - Vis	1	M10x20	705.552
	2	M10x16	705.551
T Wrench - Clé en T		SW5	706.105
Knife for profiling - Couteaux profil			778.000
Deflector for profiling - Limiteurs profil			778.001

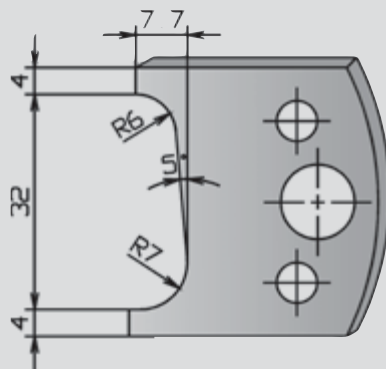


Knife - Couteau 778.100
Deflector - Limiteur 778.200

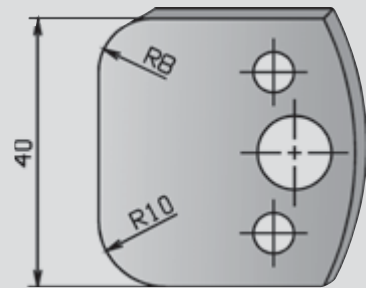




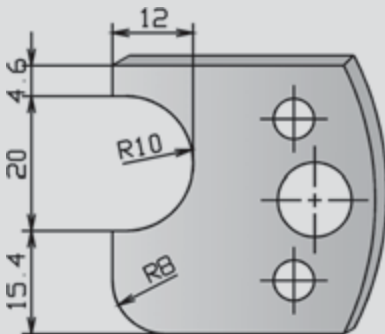
Knife - Couteau 778.101
 Deflector - Limiteur 778.201



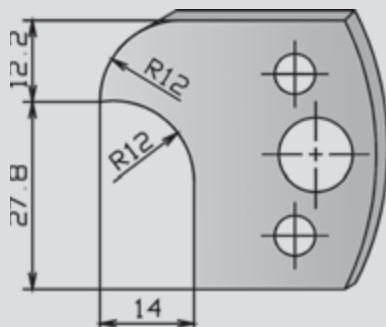
Knife - Couteau 778.102
 Deflector - Limiteur 778.202



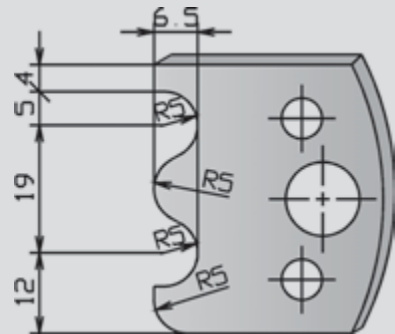
Knife - Couteau 778.103
 Deflector - Limiteur 778.203



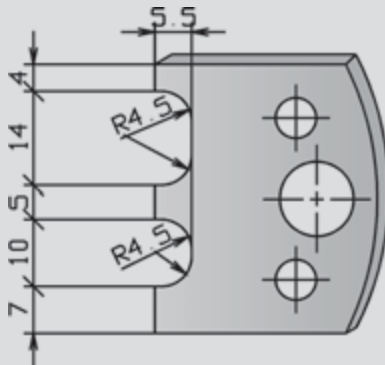
Knife - Couteau 778.104
 Deflector - Limiteur 778.204



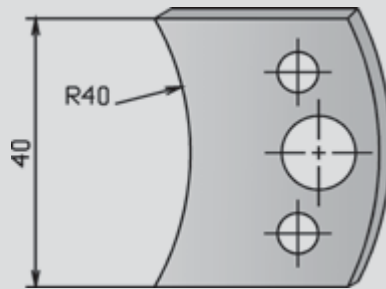
Knife - Couteau 778.105
 Deflector - Limiteur 778.205



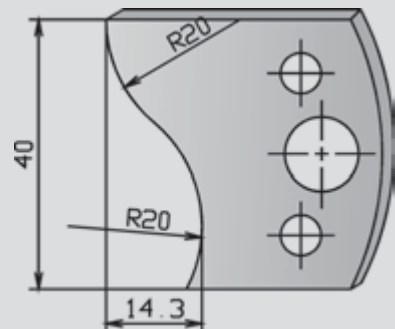
Knife - Couteau 778.106
 Deflector - Limiteur 778.206



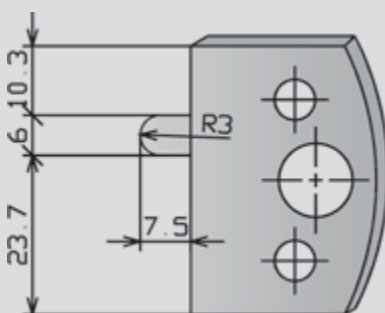
Knife - Couteau 778.107
 Deflector - Limiteur 778.207



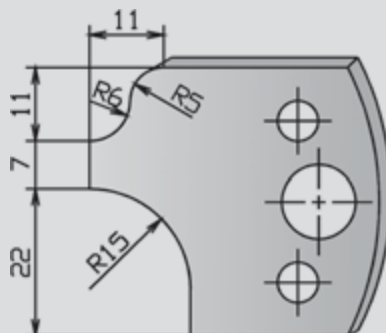
Knife - Couteau 778.108
 Deflector - Limiteur 778.208



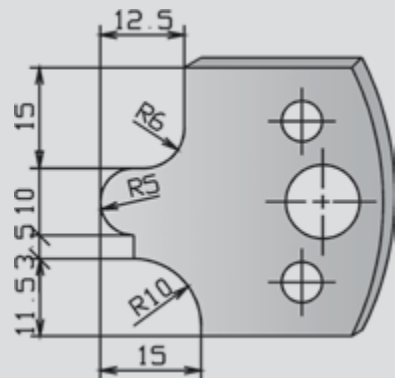
Knife - Couteau 778.109
 Deflector - Limiteur 778.209



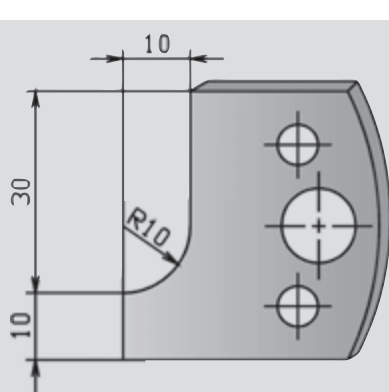
Knife - Couteau 778.110
 Deflector - Limiteur 778.210



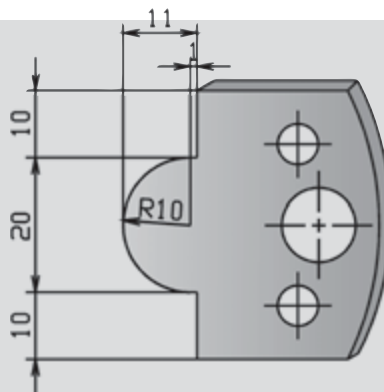
Knife - Couteau 778.111
 Deflector - Limiteur 778.211



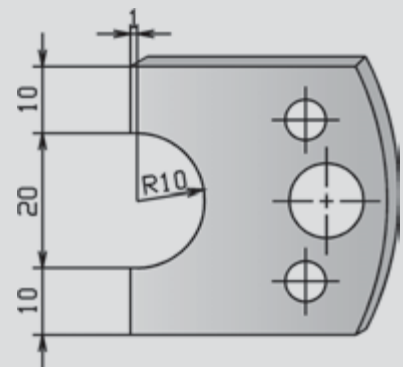
Knife - Couteau 778.112
 Deflector - Limiteur 778.212



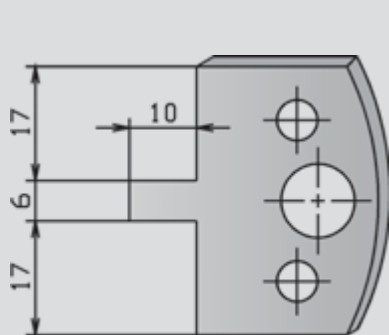
Knife - Couteau 778.113
 Deflector - Limiteur 778.213



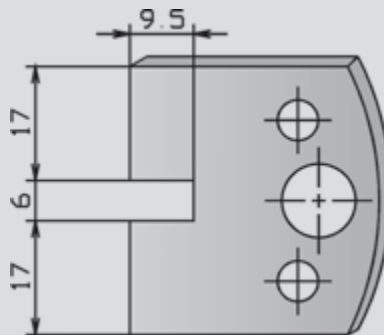
Knife - Couteau 778.114
 Deflector - Limiteur 778.214



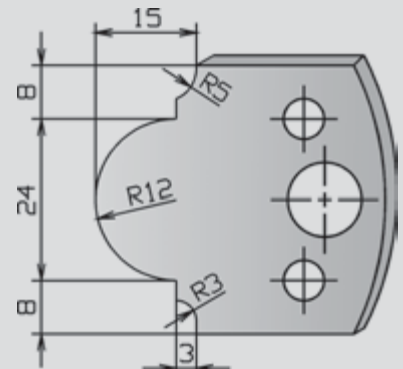
Knife - Couteau 778.115
 Deflector - Limiteur 778.215



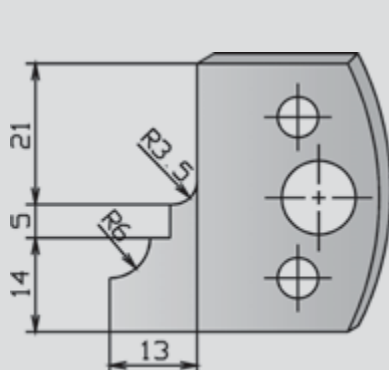
Knife - Couteau 778.116
 Deflector - Limiteur 778.216



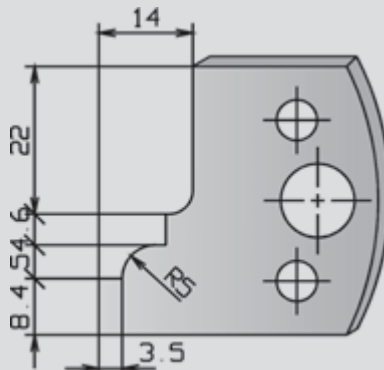
Knife - Couteau 778.117
 Deflector - Limiteur 778.217



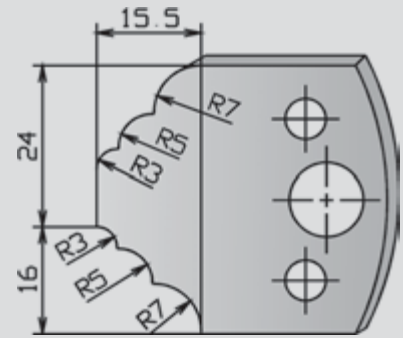
Knife - Couteau 778.118
 Deflector - Limiteur 778.218



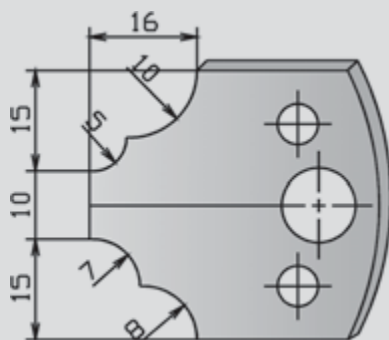
Knife - Couteau 778.119
 Deflector - Limiteur 778.219



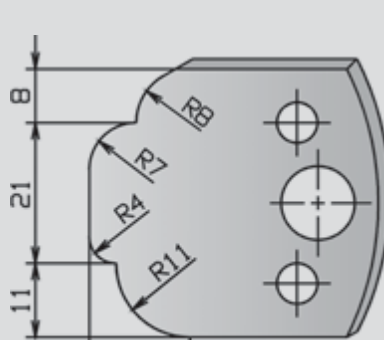
Knife - Couteau 778.120
 Deflector - Limiteur 778.220



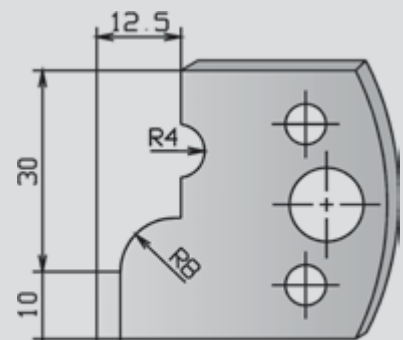
Knife - Couteau 778.121
 Deflector - Limiteur 778.221



Knife - Couteau 778.122
 Deflector - Limiteur 778.222

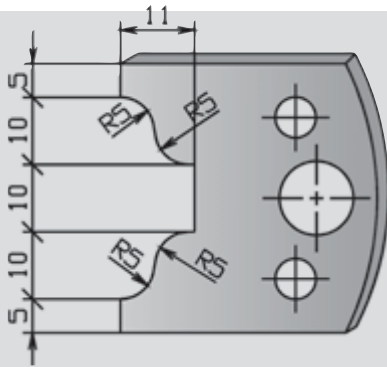


Knife - Couteau 778.123
 Deflector - Limiteur 778.223

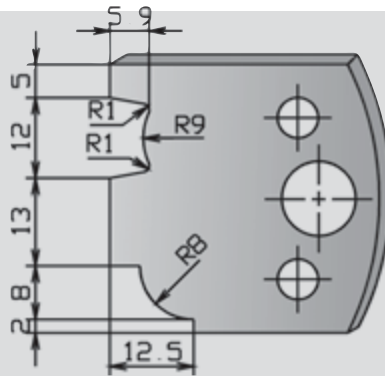


Knife - Couteau 778.124
 Deflector - Limiteur 778.224

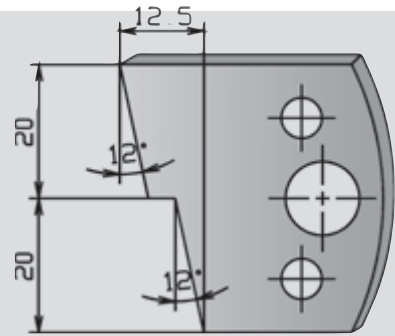




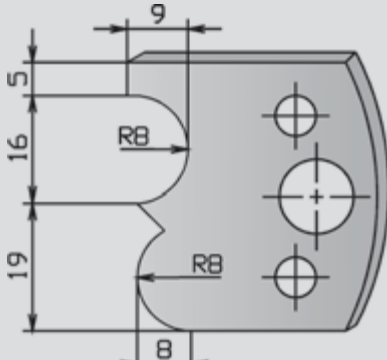
Knife - Couteau 778.125
 Deflector - Limiteur 778.225



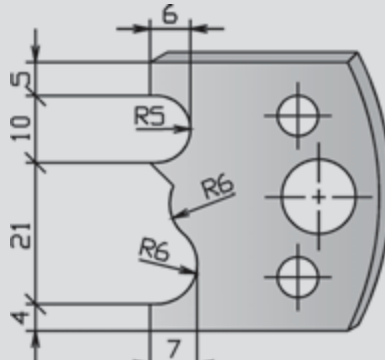
Knife - Couteau 778.126
 Deflector - Limiteur 778.226



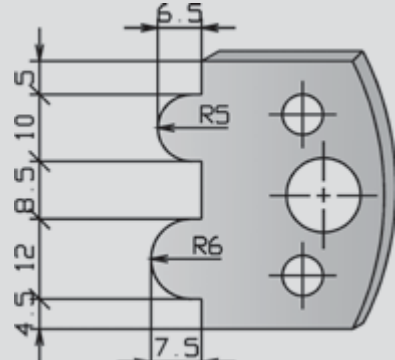
Knife - Couteau 778.127
 Deflector - Limiteur 778.227



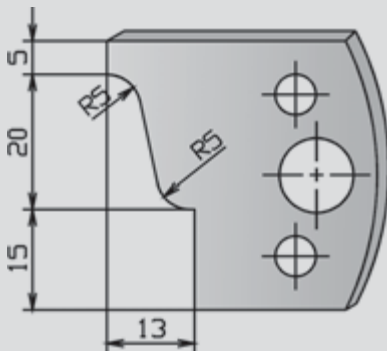
Knife - Couteau 778.128
 Deflector - Limiteur 778.228



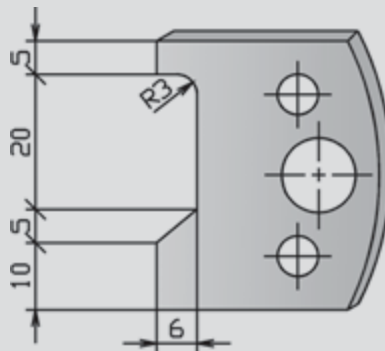
Knife - Couteau 778.129
 Deflector - Limiteur 778.229



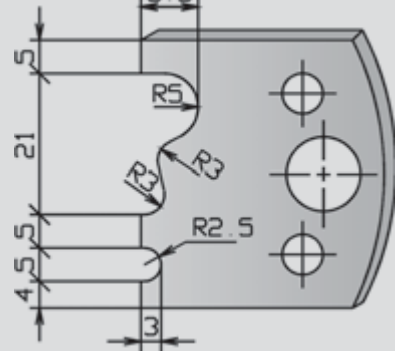
Knife - Couteau 778.130
 Deflector - Limiteur 778.230



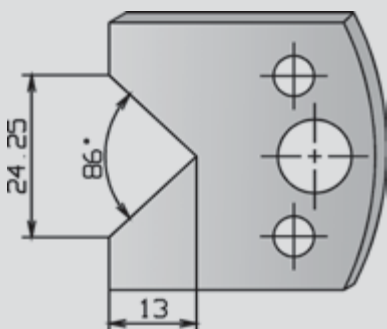
Knife - Couteau 778.131
 Deflector - Limiteur 778.231



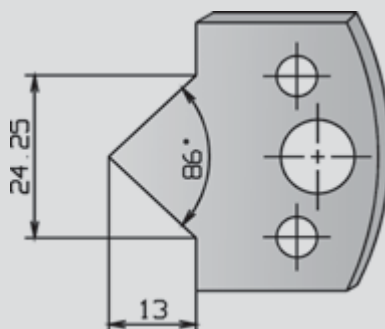
Knife - Couteau 778.132
 Deflector - Limiteur 778.232



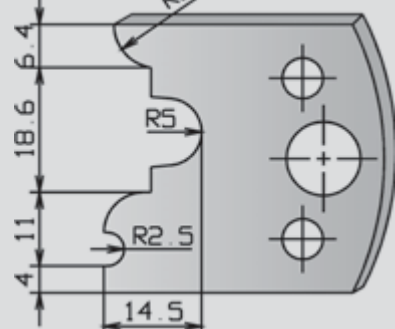
Knife - Couteau 778.133
 Deflector - Limiteur 778.233



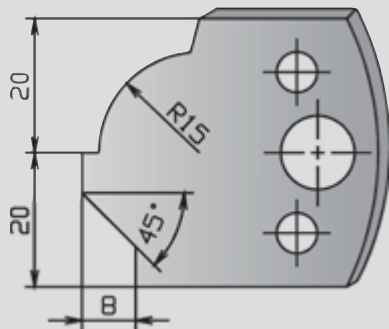
Knife - Couteau 778.134
 Deflector - Limiteur 778.234



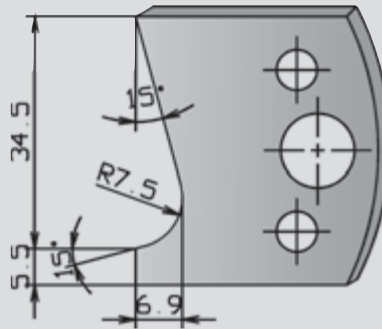
Knife - Couteau 778.135
 Deflector - Limiteur 778.235



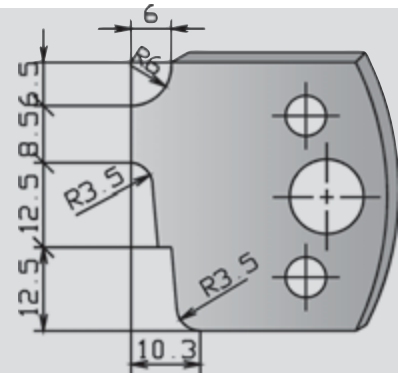
Knife - Couteau 778.136
 Deflector - Limiteur 778.236



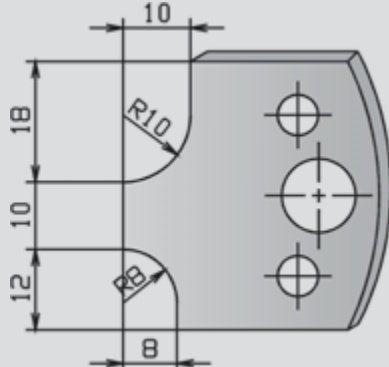
Knife - Couteau 778.137
 Deflector - Limiteur 778.237



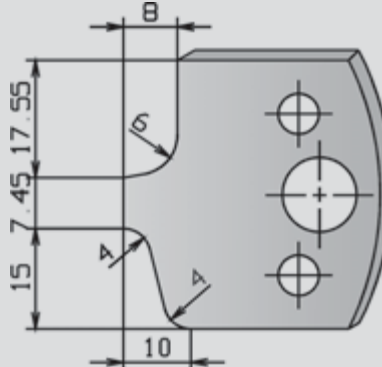
Knife - Couteau 778.138
 Deflector - Limiteur 778.238



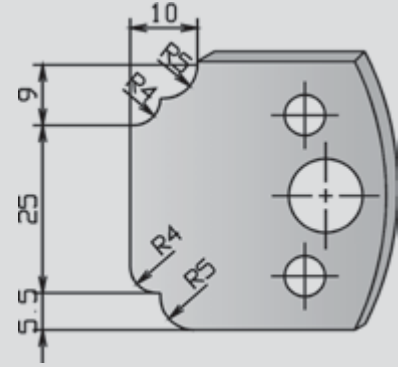
Knife - Couteau 778.139
 Deflector - Limiteur 778.239



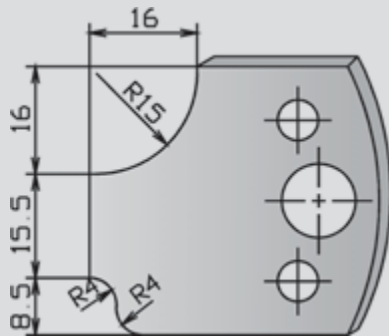
Knife - Couteau 778.140
 Deflector - Limiteur 778.240



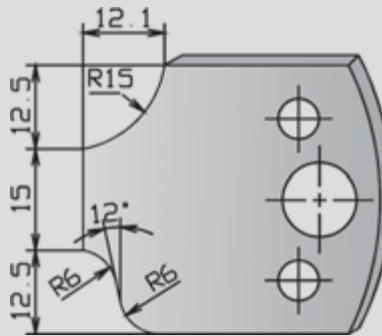
Knife - Couteau 778.141
 Deflector - Limiteur 778.241



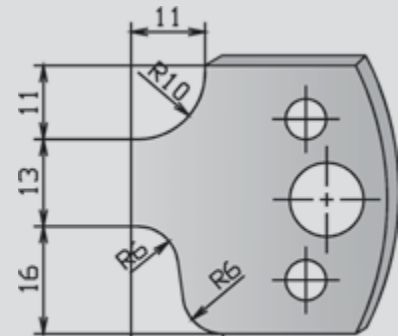
Knife - Couteau 778.142
 Deflector - Limiteur 778.242



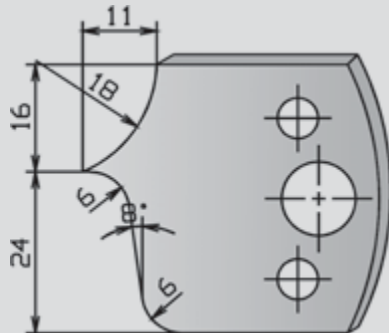
Knife - Couteau 778.143
 Deflector - Limiteur 778.243



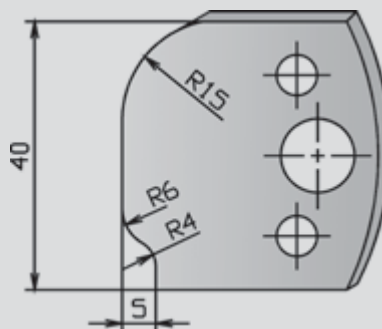
Knife - Couteau 778.144
 Deflector - Limiteur 778.244



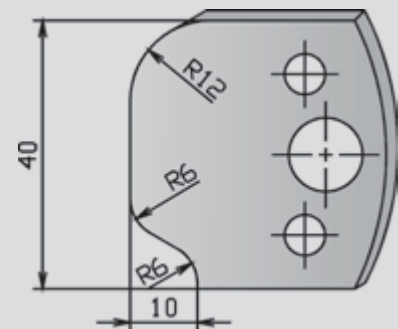
Knife - Couteau 778.145
 Deflector - Limiteur 778.245



Knife - Couteau 778.146
 Deflector - Limiteur 778.246

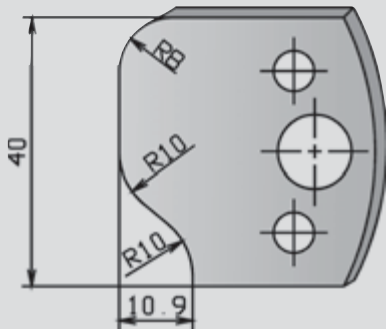


Knife - Couteau 778.147
 Deflector - Limiteur 778.247

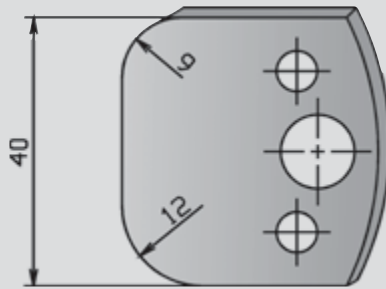


Knife - Couteau 778.148
 Deflector - Limiteur 778.248

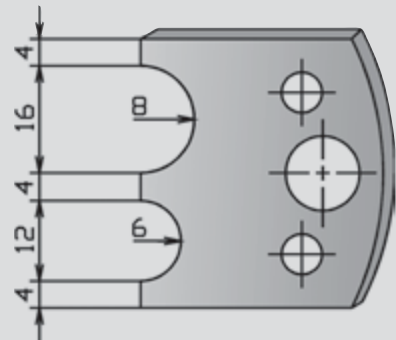




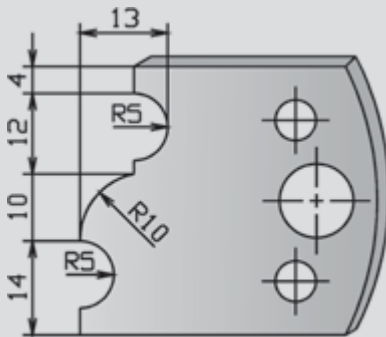
Knife - Couteau 778.149
 Deflector - Limiteur 778.249



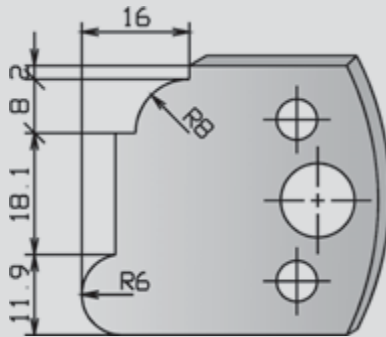
Knife - Couteau 778.150
 Deflector - Limiteur 778.250



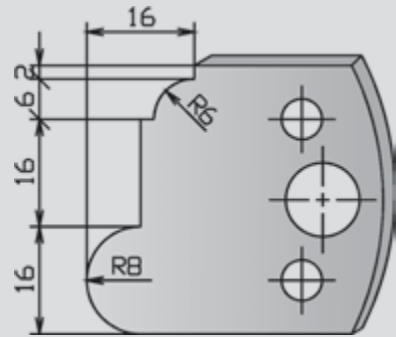
Knife - Couteau 778.151
 Deflector - Limiteur 778.251



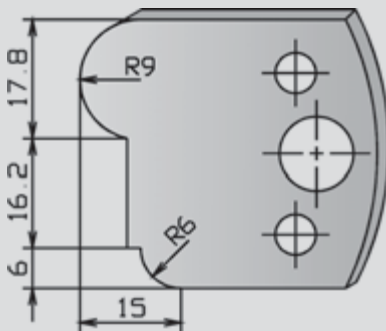
Knife - Couteau 778.152
 Deflector - Limiteur 778.252



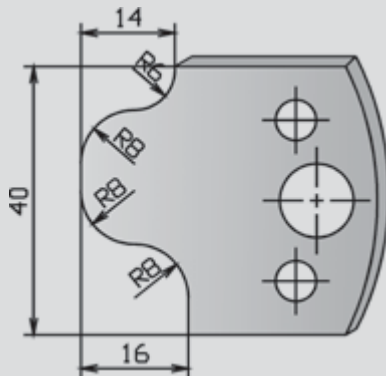
Knife - Couteau 778.153
 Deflector - Limiteur 778.253



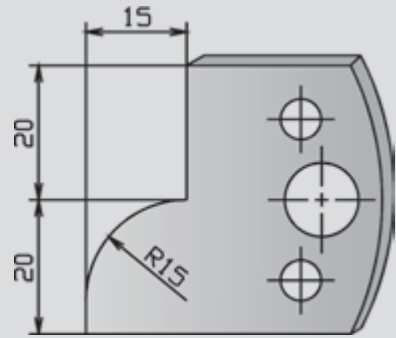
Knife - Couteau 778.154
 Deflector - Limiteur 778.254



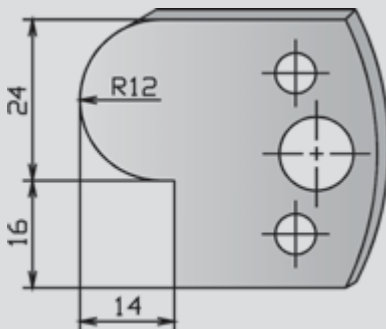
Knife - Couteau 778.155
 Deflector - Limiteur 778.255



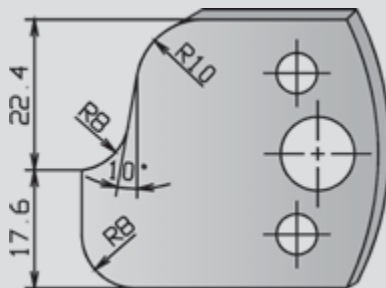
Knife - Couteau 778.156
 Deflector - Limiteur 778.256



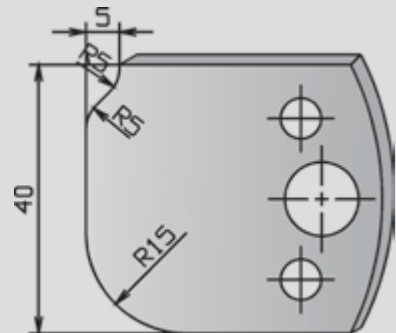
Knife - Couteau 778.157
 Deflector - Limiteur 778.257



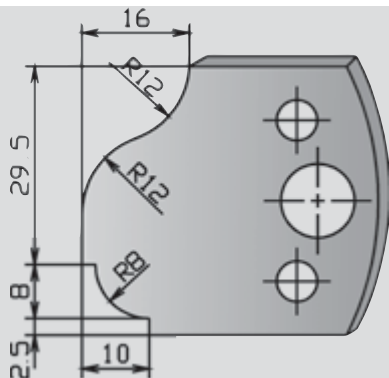
Knife - Couteau 778.158
 Deflector - Limiteur 778.258



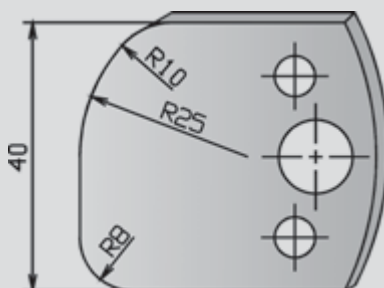
Knife - Couteau 778.159
 Deflector - Limiteur 778.259



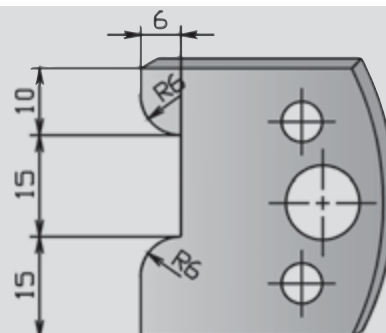
Knife - Couteau 778.160
 Deflector - Limiteur 778.260



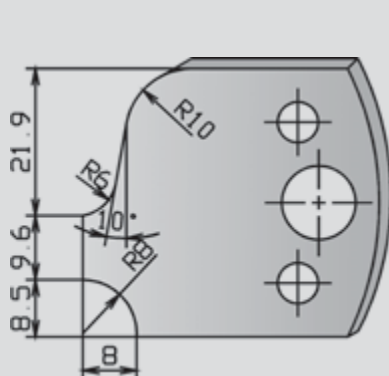
Knife - Couteau 778.161
 Deflector - Limiteur 778.261



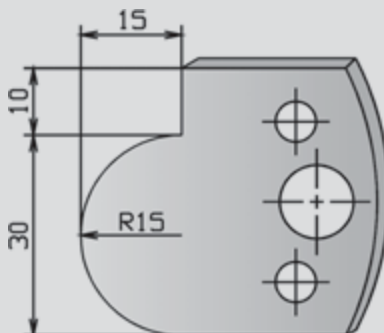
Knife - Couteau 778.162
 Deflector - Limiteur 778.262



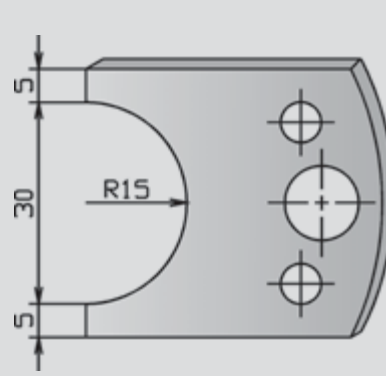
Knife - Couteau 778.163
 Deflector - Limiteur 778.263



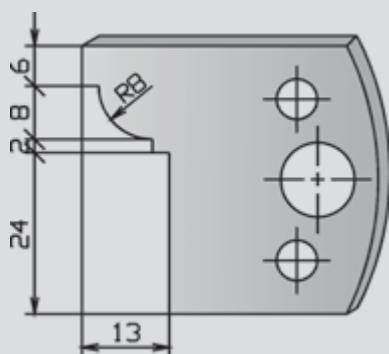
Knife - Couteau 778.164
 Deflector - Limiteur 778.264



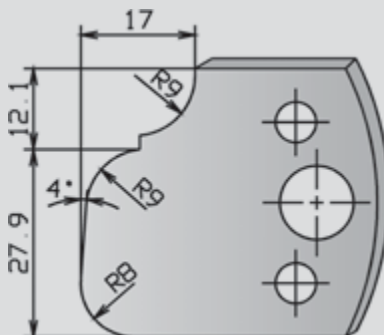
Knife - Couteau 778.165
 Deflector - Limiteur 778.265



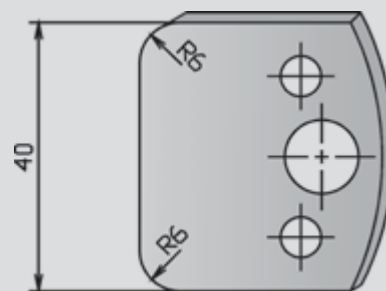
Knife - Couteau 778.166
 Deflector - Limiteur 778.266



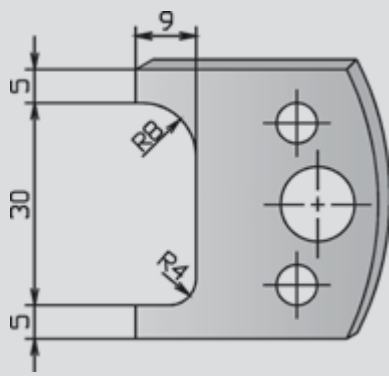
Knife - Couteau 778.167
 Deflector - Limiteur 778.267



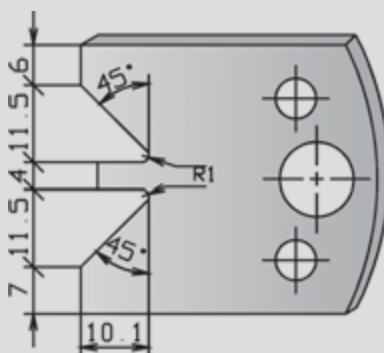
Knife - Couteau 778.168
 Deflector - Limiteur 778.268



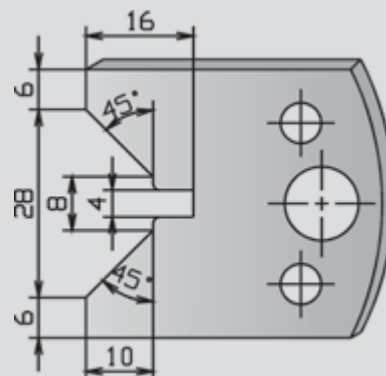
Knife - Couteau 778.169
 Deflector - Limiteur 778.269



Knife - Couteau 778.170
 Deflector - Limiteur 778.270

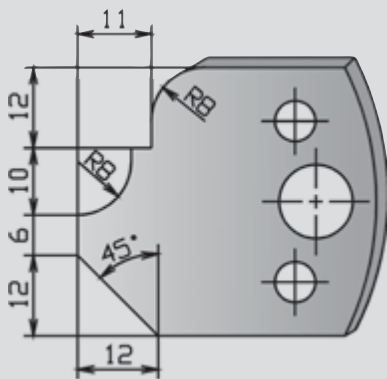


Knife - Couteau 778.171
 Deflector - Limiteur 778.271

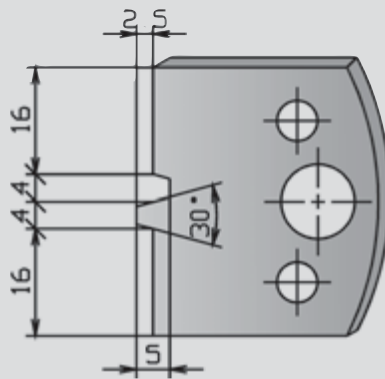


Knife - Couteau 778.172
 Deflector - Limiteur 778.272

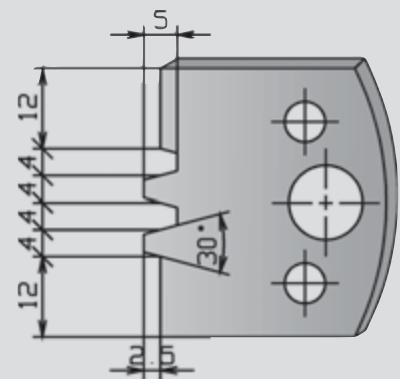




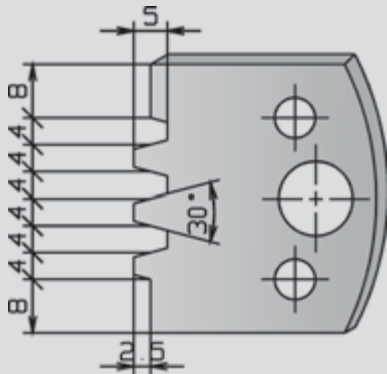
Knife - Couteau 778.173
 Deflector - Limiteur 778.273



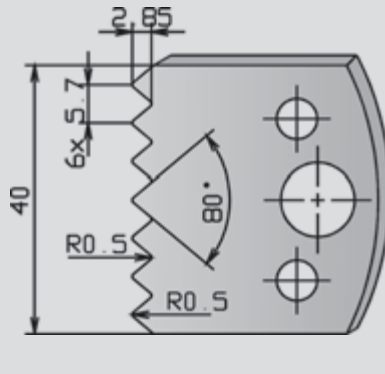
Knife - Couteau 778.174
 Deflector - Limiteur 778.274



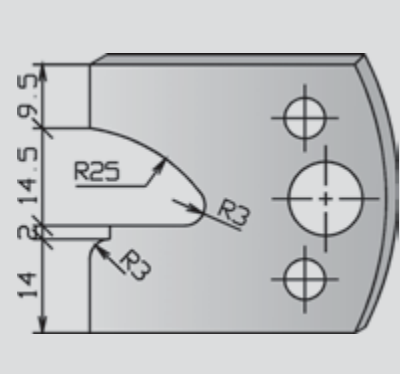
Knife - Couteau 778.175
 Deflector - Limiteur 778.275



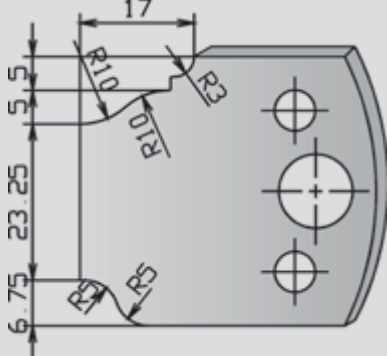
Knife - Couteau 778.176
 Deflector - Limiteur 778.276



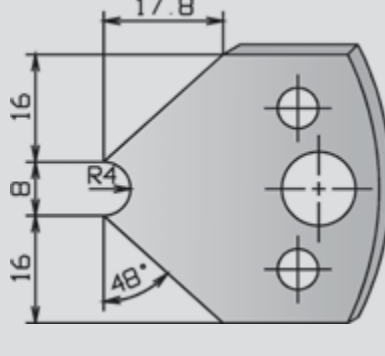
Knife - Couteau 778.177
 Deflector - Limiteur 778.277



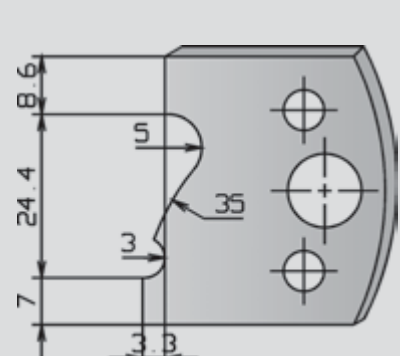
Knife - Couteau 778.178
 Deflector - Limiteur 778.278



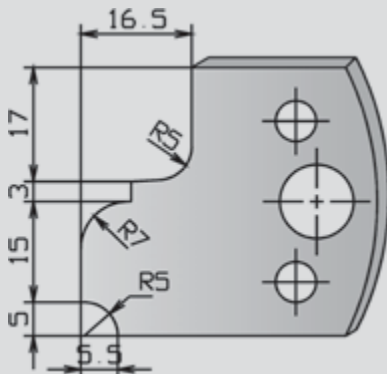
Knife - Couteau 778.179
 Deflector - Limiteur 778.279



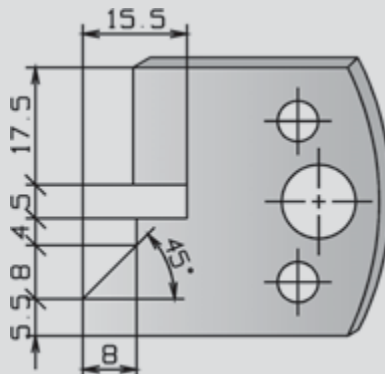
Knife - Couteau 778.180
 Deflector - Limiteur 778.280



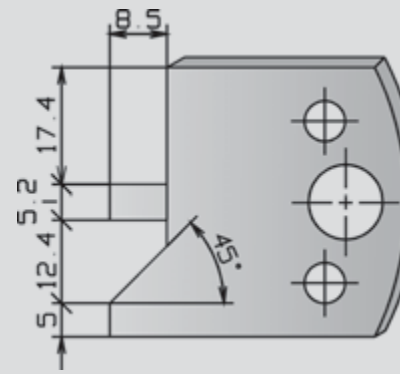
Knife - Couteau 778.181
 Deflector - Limiteur 778.281



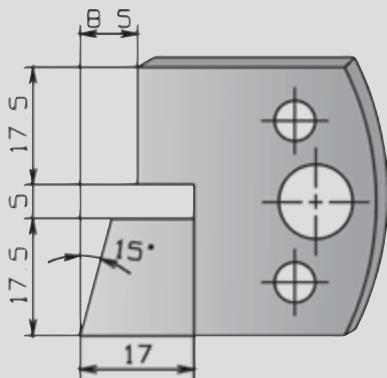
Knife - Couteau 778.182
 Deflector - Limiteur 778.282



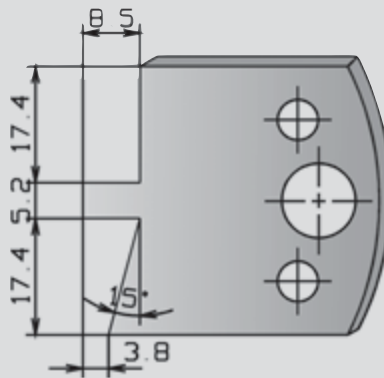
Knife - Couteau 778.183
 Deflector - Limiteur 778.283



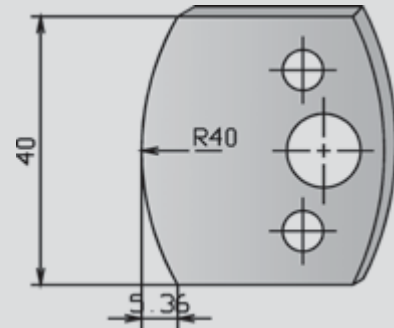
Knife - Couteau 778.184
 Deflector - Limiteur 778.284



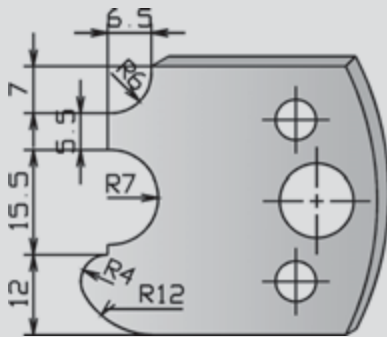
Knife - Couteau 778.185
 Deflector - Limiteur 778.285



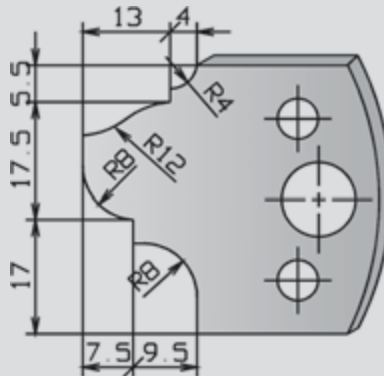
Knife - Couteau 778.186
 Deflector - Limiteur 778.286



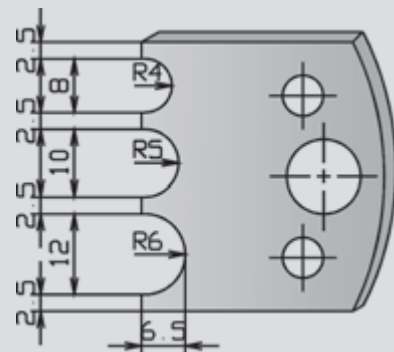
Knife - Couteau 778.187
 Deflector - Limiteur 778.287



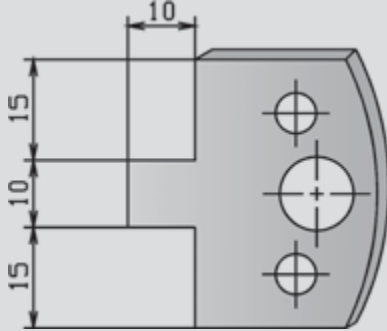
Knife - Couteau 778.188
 Deflector - Limiteur 778.288



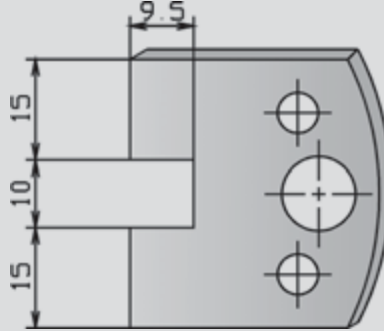
Knife - Couteau 778.189
 Deflector - Limiteur 778.289



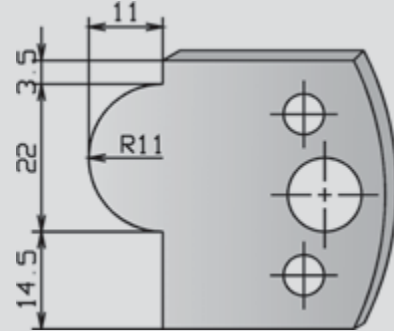
Knife - Couteau 778.190
 Deflector - Limiteur 778.290



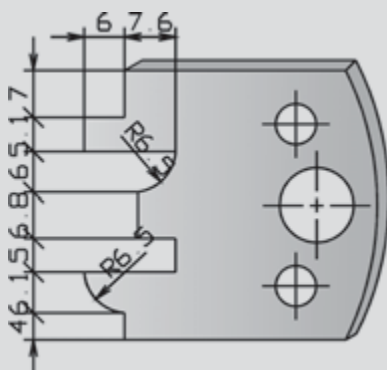
Knife - Couteau 778.191
 Deflector - Limiteur 778.291



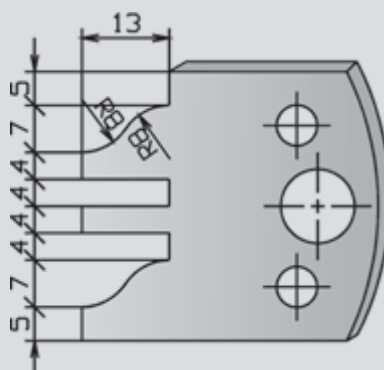
Knife - Couteau 778.192
 Deflector - Limiteur 778.292



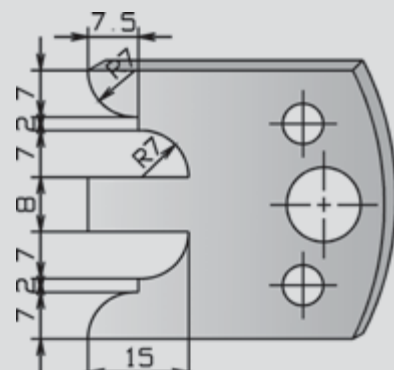
Knife - Couteau 778.193
 Deflector - Limiteur 778.293



Knife - Couteau 778.194
 Deflector - Limiteur 778.294

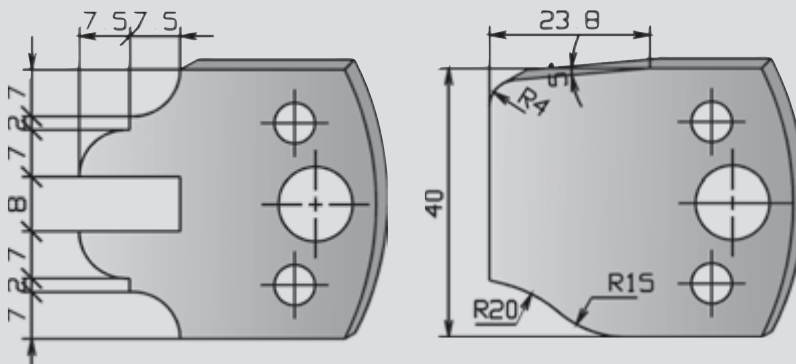


Knife - Couteau 778.195
 Deflector - Limiteur 778.295



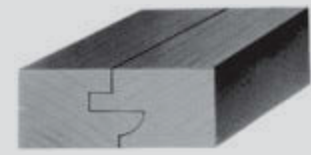
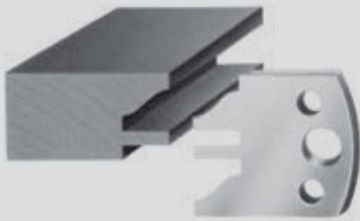
Knife - Couteau 778.196
 Deflector - Limiteur 778.296





Knife - Couteau 778.197
 Deflector - Limiteur 778.297

Knife - Couteau 778.198
 Deflector - Limiteur 778.298

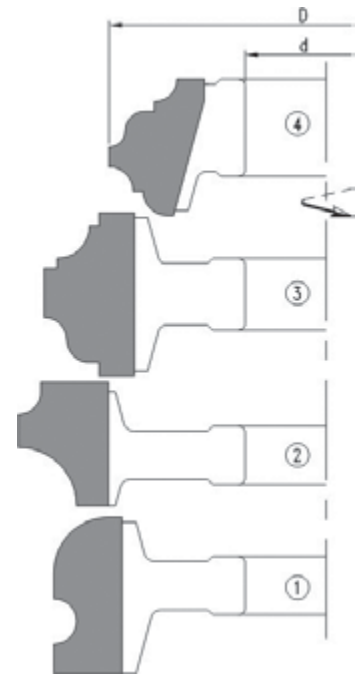
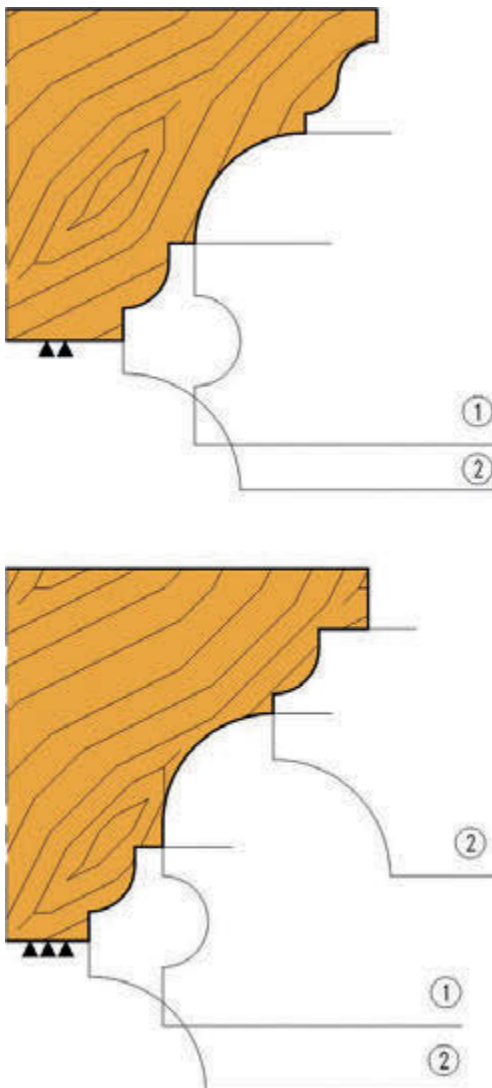


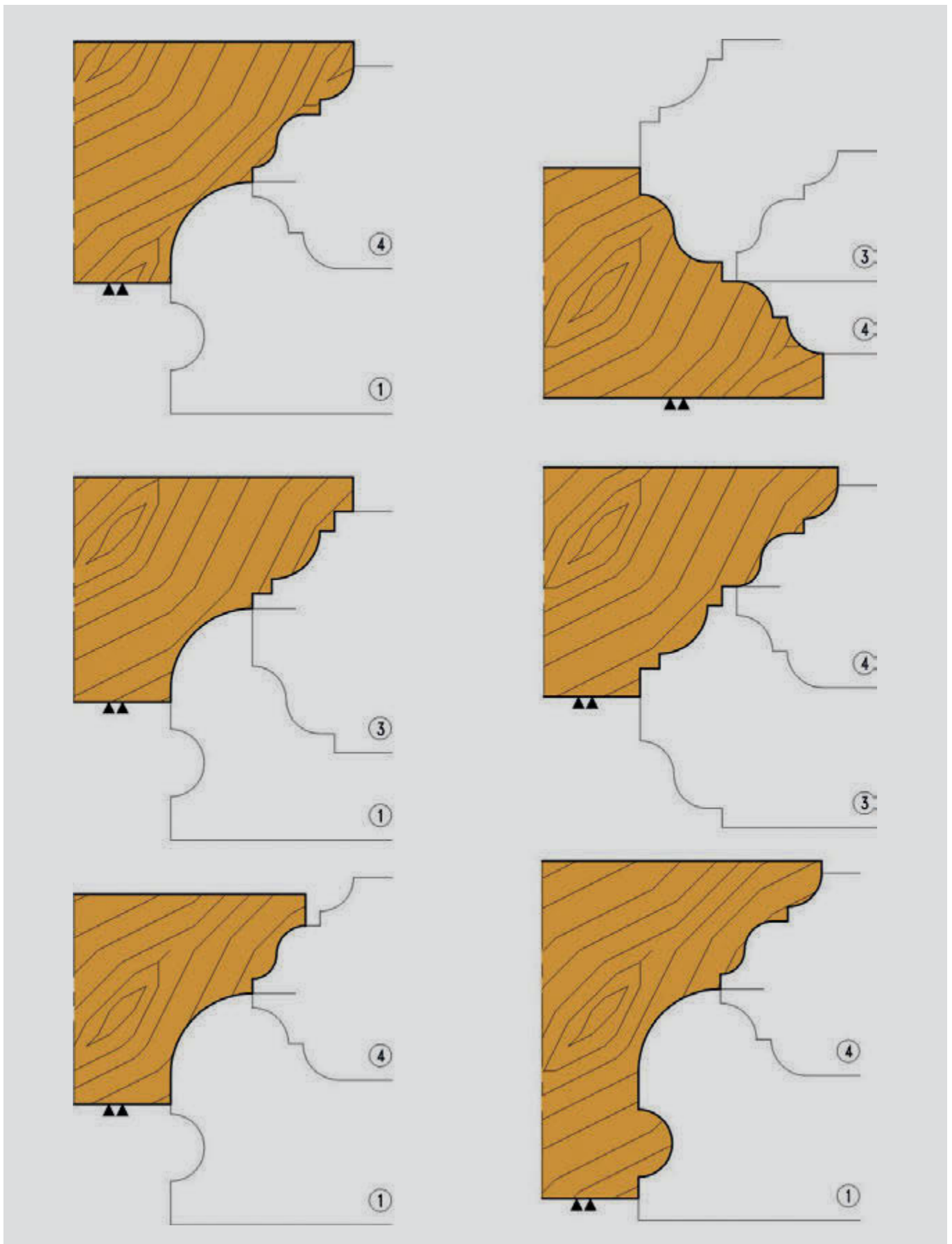
Profile cutterset
Jeu de fraises profil

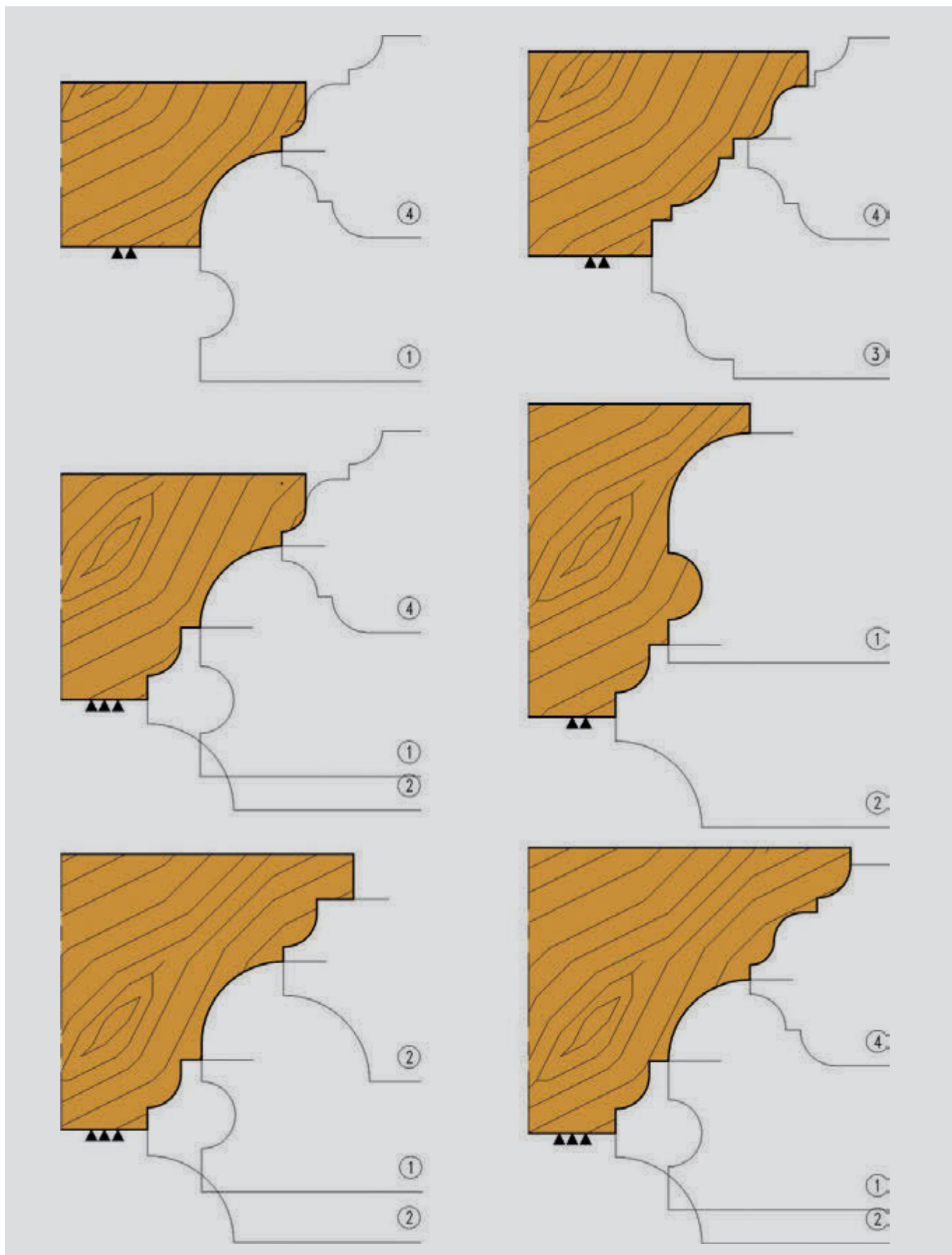
Nr	D	B	d	Z	n _{min.-max.}	Ref.
1	168	48	30/50	2	5700-7000	235.101
2	190	38	30/50	2	5700-7000	235.201
3	174	50	30/50	2	5700-7000	235.301
4	134	42	30/50	2	5700-7000	235.401
1+2+3+4						235.001

MAN HW

235





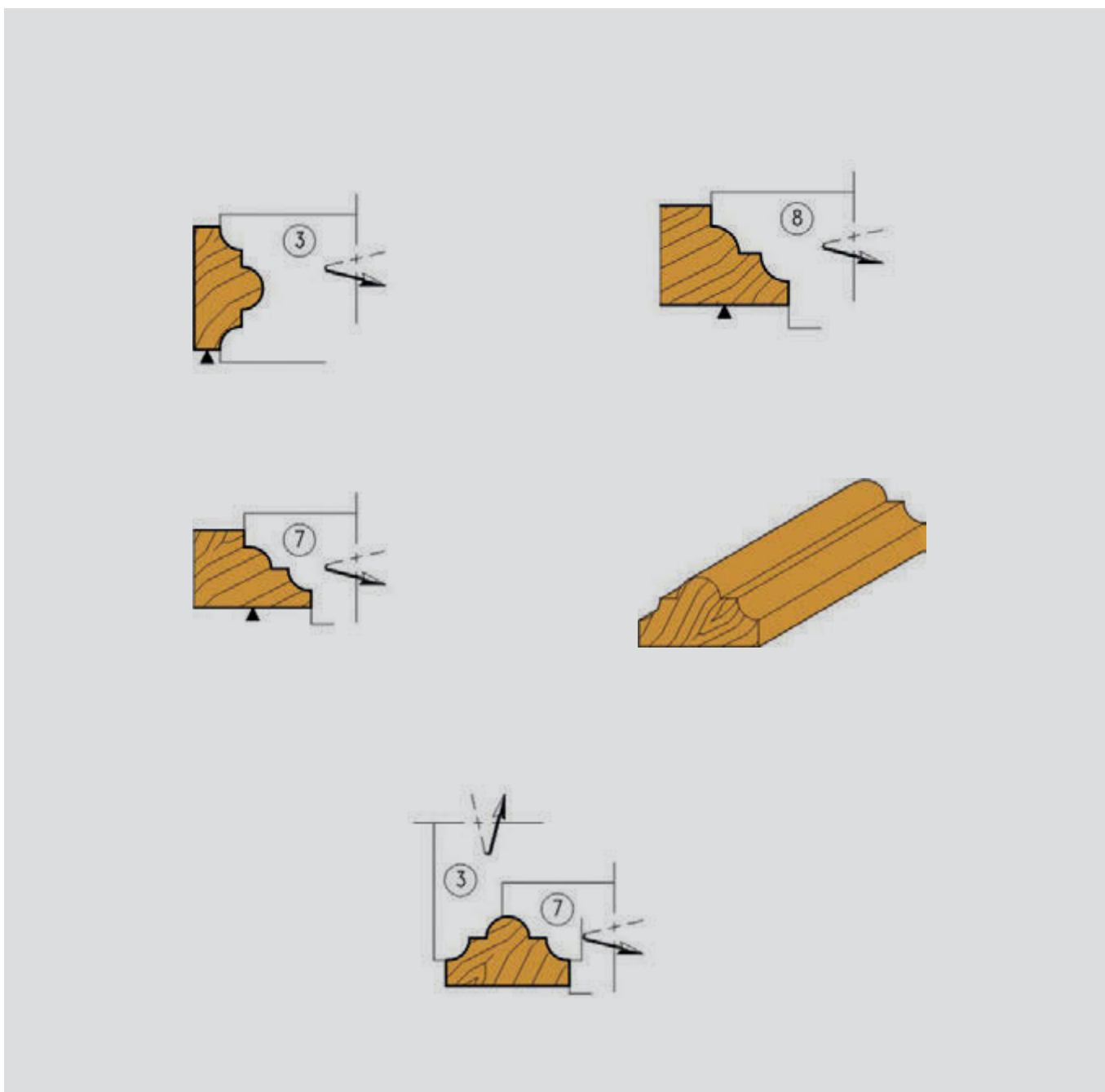


Profile cutterblock
Fraise-Profil

Nr	D	B	d	Z	n ⁿ min.-max.	Ref.
3	140	24	30/50	3	5500-9500	240.103
7		18	30/50	3	5500-9500	240.110
8		22	30/50	3	5500-9500	240.111

MAN HW

240



Profile cutterblock
Fraise-Profil

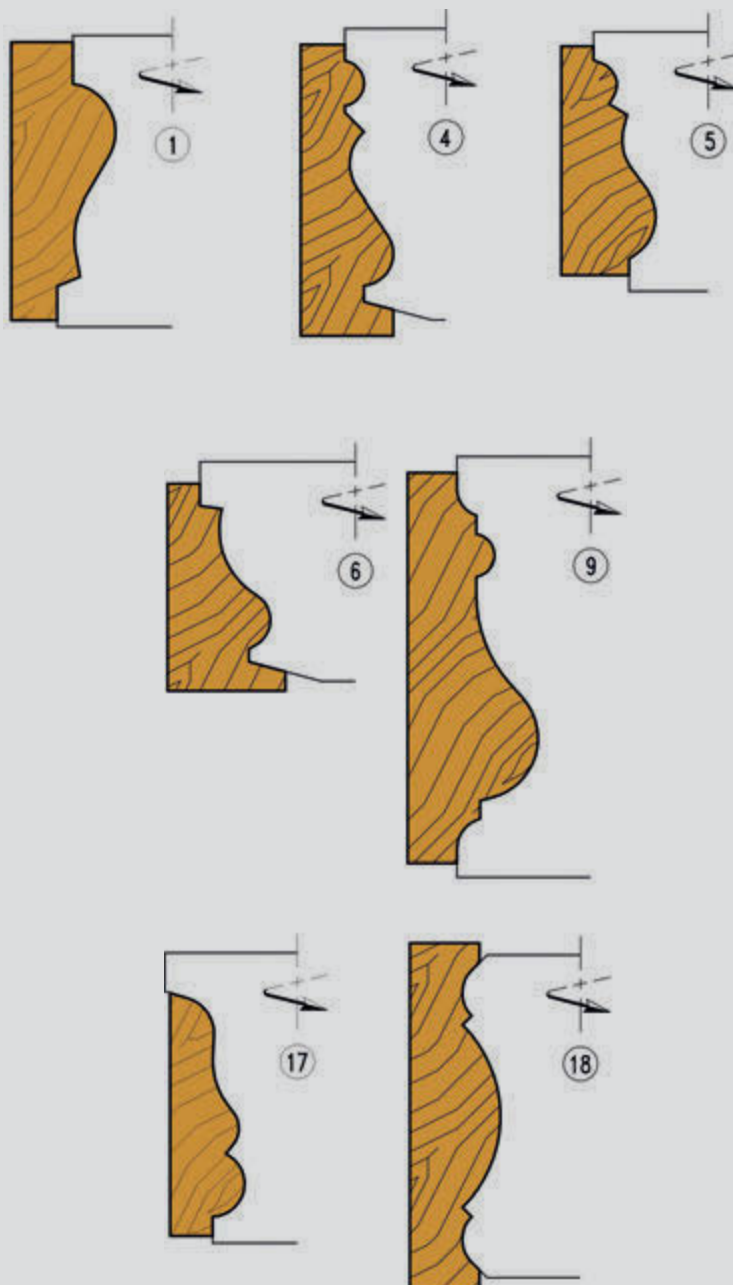
Nr	D	B	d	Z	n _{min.-max.}	Ref.
1	140	45	30/50	3	5500-9500	239.101
4		45	30/50	3	5500-9500	239.104
5		40	30/50	3	5500-9500	239.105
6		34	30/50	3	5500-9500	239.106
9		65	30/50	3	5500-9500	239.109
17		45	30/50	3	5500-9500	239.117
18		50	30/50	3	5500-9500	239.118

MAN HW

239



3

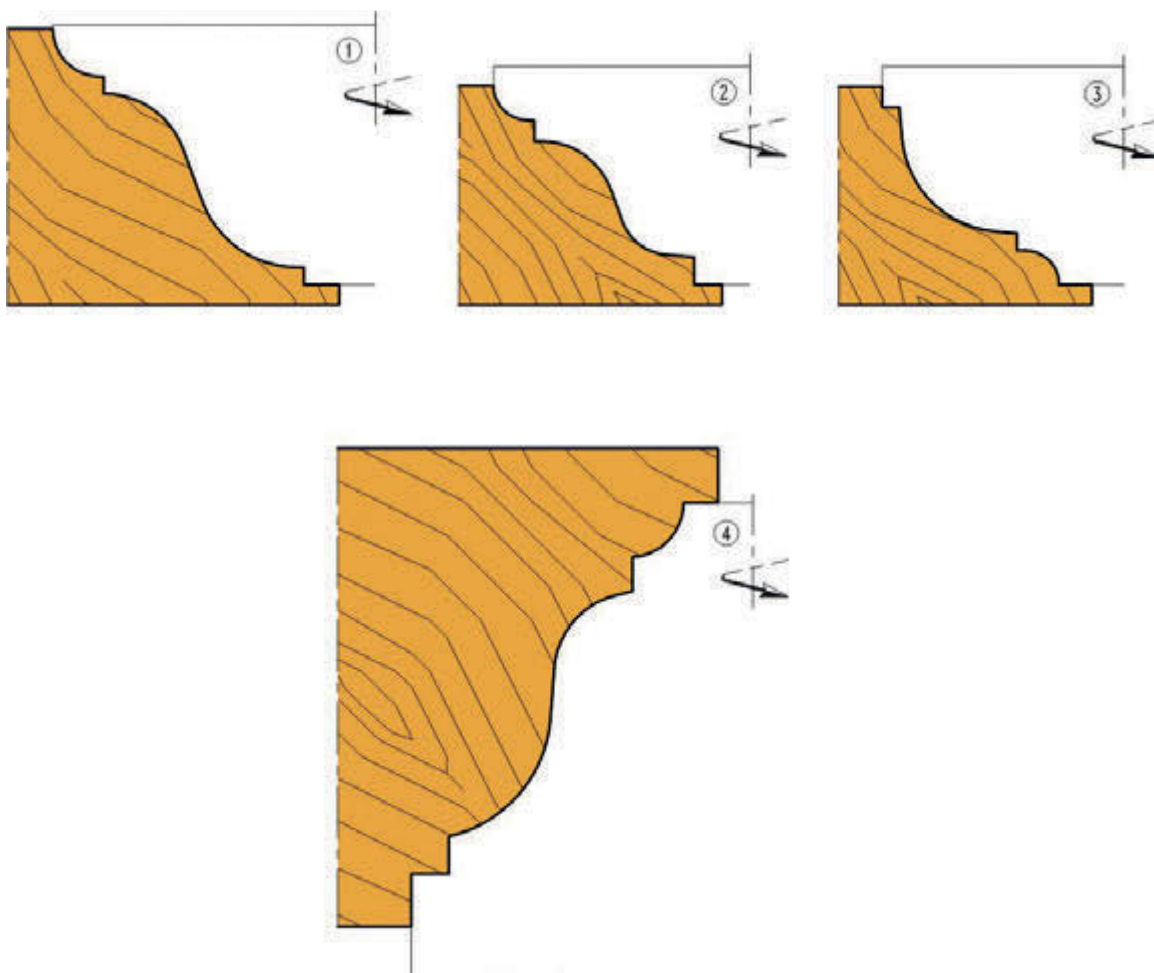


Profile cutterblock
Fraise-Profil

Nr	D	B	d	Z	n min.-max.	Ref.
1	170	38	30/50	3	4500-7800	234.101
2	150	32	30/50	3	5200-8900	234.102
3	160	32	30/50	3	4800-8300	234.103
4	180	70	30/50	3	4300-7400	234.110

MAN HW

234

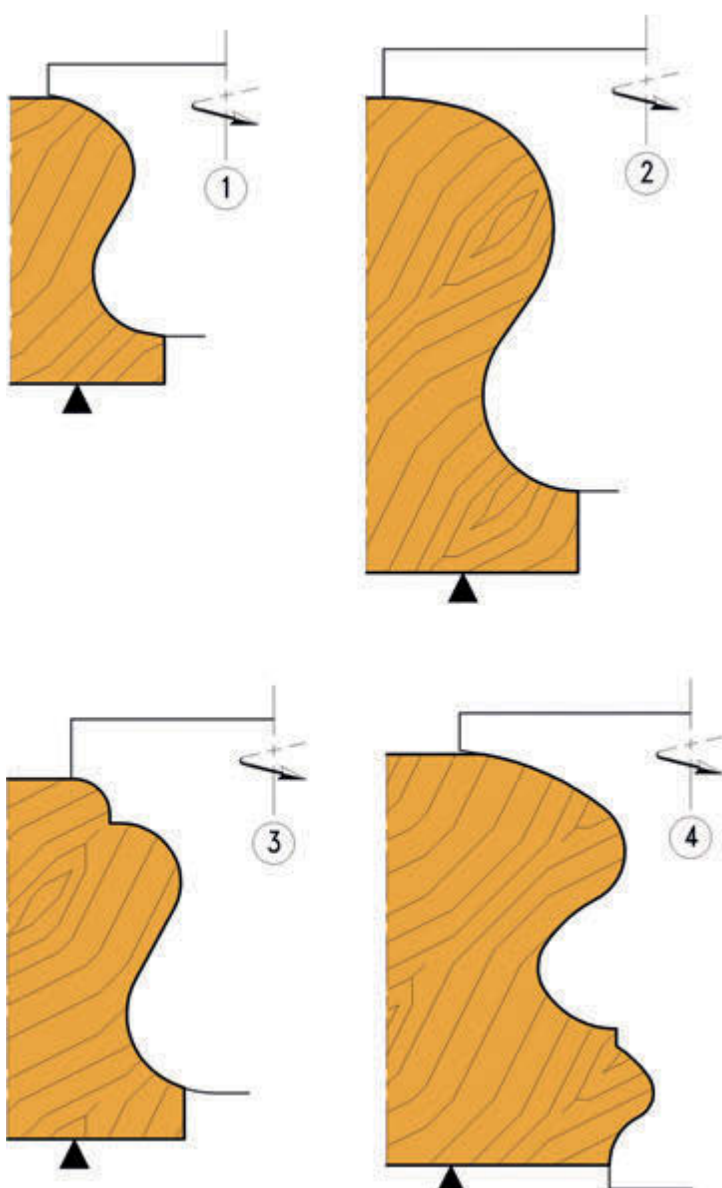


Handrail profile cutterblock
Fraise pour main courante

Nr	D	B	d	Z	n min.-max.	Ref.
1	150	40	30/50	3	5200-8900	206.101
2		70	30/50	3	5200-8900	206.102
3		55	30/50	3	5200-8900	206.105
4	160	75	30/50	3	4800-8300	206.104

MAN HW

206



4

Glue joint cutterblocks and cutterheads Fraises et porte-outils pour bouvetage, assemblage, aboutage



Jointing cutterblock	
Fraise pour joints collés	4.3-4.4
Insert glue joint cutterset	
Porte-outils à abouter.....	4.5
Glue joint cutterblock	
Fraise pour abouter.....	4.6-4.10
Mitre jointing cutterhead	
Porte-outil pour bouvetage d'angle à 45°	4.11
Adjustable tongue and groove	
Bouvetage rainure-languette.....	4.12-4.14
Complete flooring lines	
Lignes complètes de parquet.....	4.15
Postforming tools	
Outillage "Postforming"	4.16

Mini-finger jointing cutterblock

Fraise pour joints collés en bout

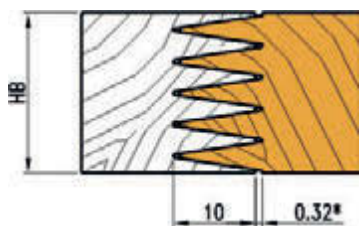
D	B	d	Z	Pt	n _{max.}	Ref. HS	Ref. HW
Pt:10/10 - 10/11				t=3,8			
160	28,6	50	4	10/10	8000	166.101	166.111
	9,6	50	4	10/11	8000	166.097 • 166.107 •	
	13,4	50	4	10/11	8000	166.098 • 166.108 •	
	17,2	50	4	10/11	8000	166.099 • 166.109 •	
	21,0	50	4	10/11	8000	166.100 • 166.110 •	
	28,6	50	4	10/11	8000	166.102	166.112
250	28,6	50	6	10/10	6000	166.401	166.411
	13,4	50	6	10/11	6000	166.405 • 166.408 •	
	17,2	50	6	10/11	6000	166.406 • 166.409 •	
	21,0	50	6	10/11	6000	166.407 • 166.410 •	
	28,6	50	6	10/11	6000	166.402	166.412

• Under request - Sur demande

D	B	d	Z	Pt	n _{max.}	Ref. HS	Ref. HW
Pt:15/15 - 15/16,5				t=3,8			
170	28,6	50	4	15/15	8000	166.201	166.211
	28,6	50	4	15/16,5	8000	166.202	166.212
260	28,6	50	6	15/15	6000	166.501	166.511
	28,6	50	6	15/16,5	6000	166.502	166.512

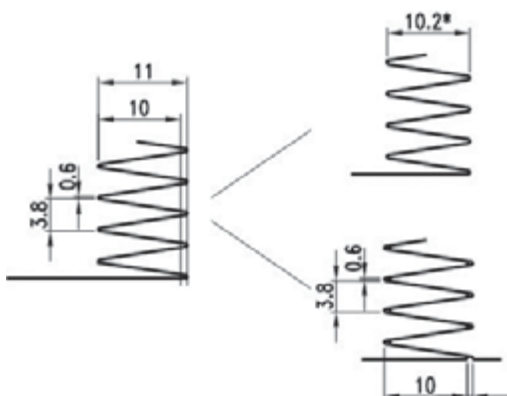
D	B	d	Z	Pt	n _{max.}	Ref. HS
Pt:20/20 - 20/22				t=6,2		
180	33	50	4	20/20	8000	166.301
	33	50	4	20/22	8000	166.302
260	33	50	6	20/22	6000	166.504

Profile example 10/10 (finger without cut-off saw).
 Profile exemple 10/10(pour machines sans dispositif de tronçonnage)



* theoretical value - Valeur théorique

Profile example 10/11 (finger with cut-off saw).
 Profile exemple 10/11(pour machines avec dispositif de tronçonnage).



Cut to 10,2. Close fit profile
 (*depending on type of wood)

Coupé à 10,2. Profil sans jeu
 (*dépend du genre de bois)

Cut to 10. Profile 10/10 with gap.
 Coupé à 10. Profil avec jeu.

MEC **HS**
HW

166



For end grain joints according to DIN 1052.
 Machines without cut-off saw
 (Finger 10/10, 15/15, 20/20).

Pour joints collé en bout selon DIN 1052.
 Pour machines sans dispositif de tronçonnage
 (Languettes 10/10, 15/15, 20/20).



Machines with cut-off saw
 (Finger 10/11, 15/16.5, 20/22).

Pour machines avec dispositif de tronçonnage
 (Languettes 10/11, 15/16.5, 20/22)

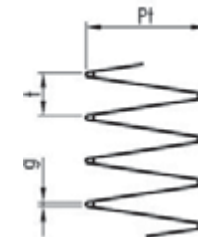


Table to determine number of cutters
 Tableau pour déterminer le nombre de couteaux.

Wood thickness Largeur du bois		Nr.
t=3,8	t=6,2	
24	28	1
51	59	2
77	90	3
104	121	4
131	152	5
157	183	6

Micro-finger jointing cutterblock
Fraise pour joints collés en bout

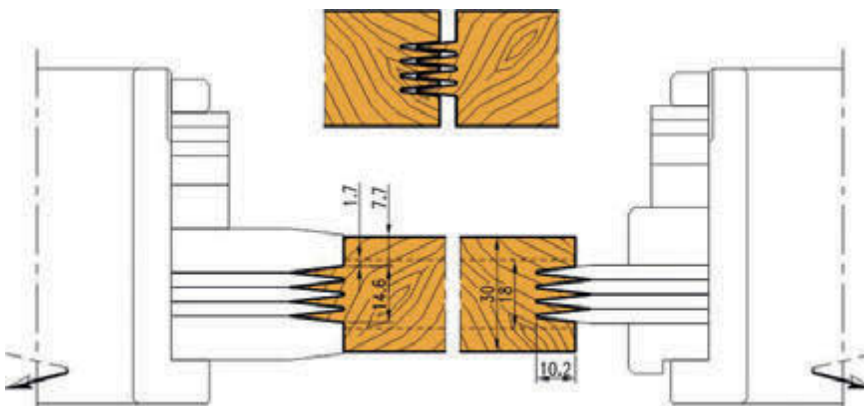
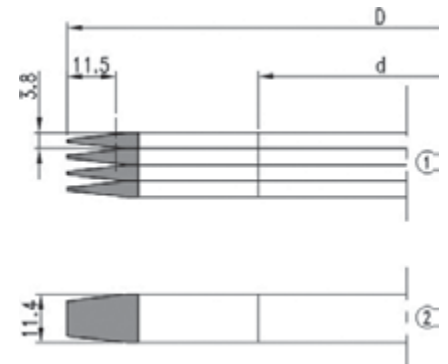
Nr.	D	B	d	Z	n _{max.}	Ref.
Pt:10/11		t=3,8				
1	160	3,8	70	4	8000	160.101
	250	3,8	70	6	6000	160.201
2	160	11,4	70	4	8000	160.102
	250	11,4	70	6	6000	160.202

Spare parts - Pièces de rechange

	Dim.	Ref.
Spacers - Bagues	Ø100x3,8x70	703.250
	Ø100x7,6x70	703.251
	Ø100x11,4x70	703.252
Sleeve - Manchons	50/70 x 85	RH 704.120
		LH 704.121
	50/70 x 110	RH 704.122
		LH 704.123
Flange for Ø160 - Flasque pour Ø160	112x15x70	SUP 730.201
	112x15x70	INF 730.202
Flange for Ø250 - Flasque pour Ø250	175x15x70	SUP 730.203
	175x15x70	INF 730.204

MEC HW

160



Joints with or without glue-gap can be produced by cutting the finger-joint ends with a cut-off saw.

Joints collés avec ou sans jeu, pouvant être fabriquées avec la coupe des doigts avec dispositif de tronçonnage.

Insert glue joint cutterset Porte-outils à abouter

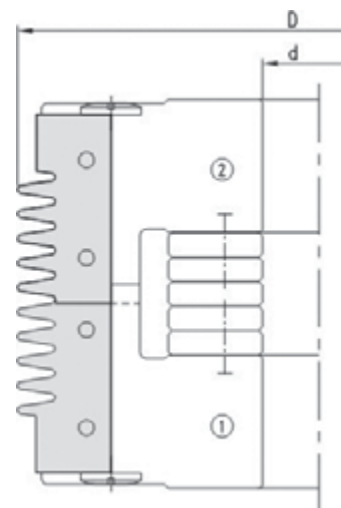
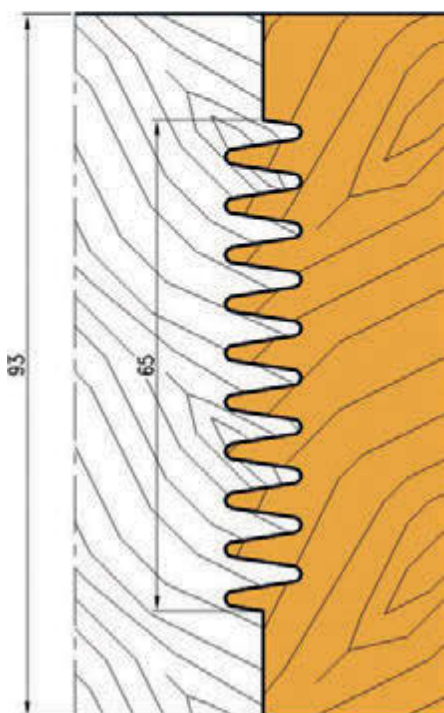
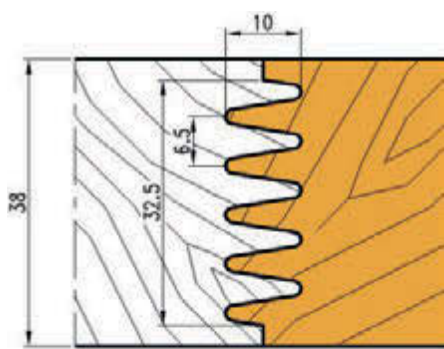
D	B	d	Z	n _{min.-max.}	Ref.
160	100	50	3	4800-8300	594.101

Spare parts - Pièces de rechange

	Dim.	Nr.	Ref.
Knife - Plaquette	50x25x2	1	768.403
	50x25x2	2	768.404
Clamping wedge - Cale			707.002.48
Screw - Vis	M8x16		705.542
T Wrench - Clé en T	SW4		706.104
Spacer - Bague	80x6,5		703.993

MAN HW

594



4

Perfect joint of material by adjusting the profile to the middle height of the wood.

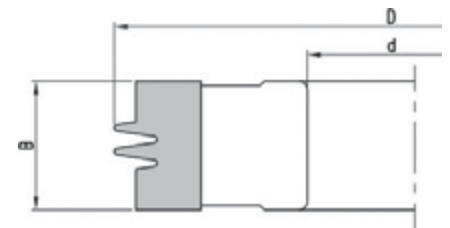
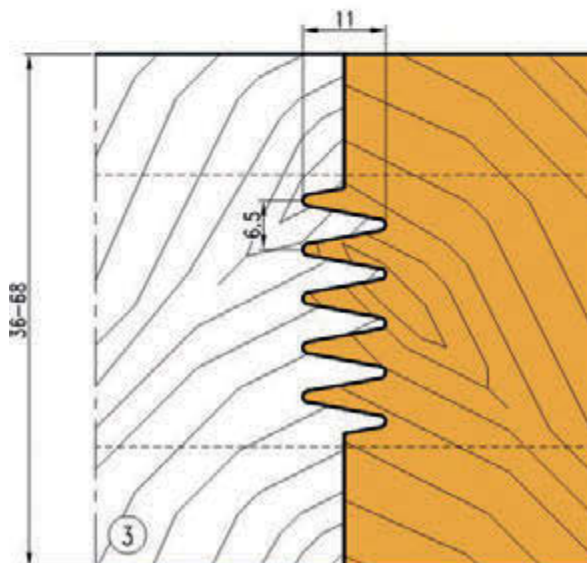
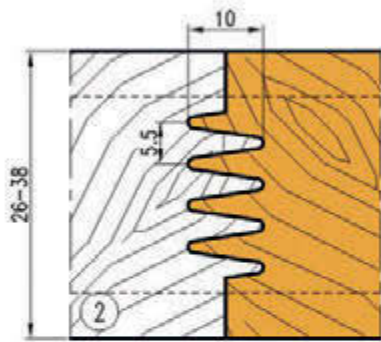
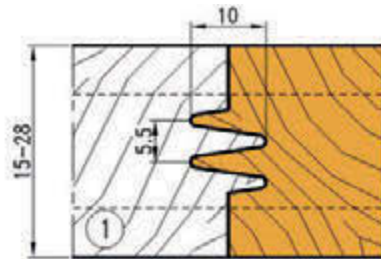
Assemblage parfait du matériel par réglage du profil au milieu de l'hauteur du bois.

Glue joint cutterblock
Fraise pour abouter

D	B	d	Z	n min.-max.	Ref.	
140	30	30/50	3	5500-9500	163.101	
		40	30/50	3	5500-9500	163.102
		70	30/50	3	5500-9500	163.103

MAN HW

163



Perfect joint of material by adjusting the profile to the middle height of the wood.

Assemblage parfait du matériel par réglage du profil au milieu de l'hauteur du bois..

Glue joint cutterhead Porte-outils pour joints collés en long

Nr.	D	B	d	Z	n _{min.-max.}	Ref.
1	125	50	30/50	2	6200-10600	532.103
1		50	30/50	3	6200-10600	532.202
2		80	30/50	3	6200-10600	532.303
3		50	30/50	3	6200-10600	532.301
4		80	30/50	2+2	6200-10600	532.500

Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - Plaquette	1	50x12x1,5	768.354
	2	80x13x2,2	768.355
	3	50x22x2	768.352
	4	80x20x2	768.650
	4		768.651
Clamping wedge - Cale	1		707.532.01
	2		707.168
	3		707.104
	4		707.002.78
Screw - Vis	1/2	M8x12	705.541
	3/4	M8x16	705.542
T Wrench - Clé en T		SW4	706.104
Spacer - Bague	1/ 2/ 4	70x2,5	703.071

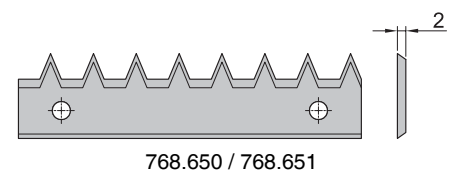
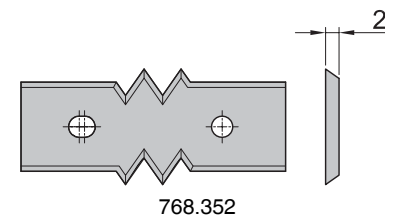
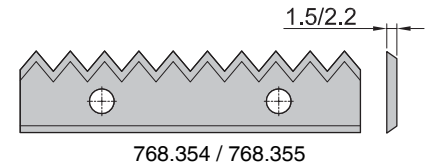
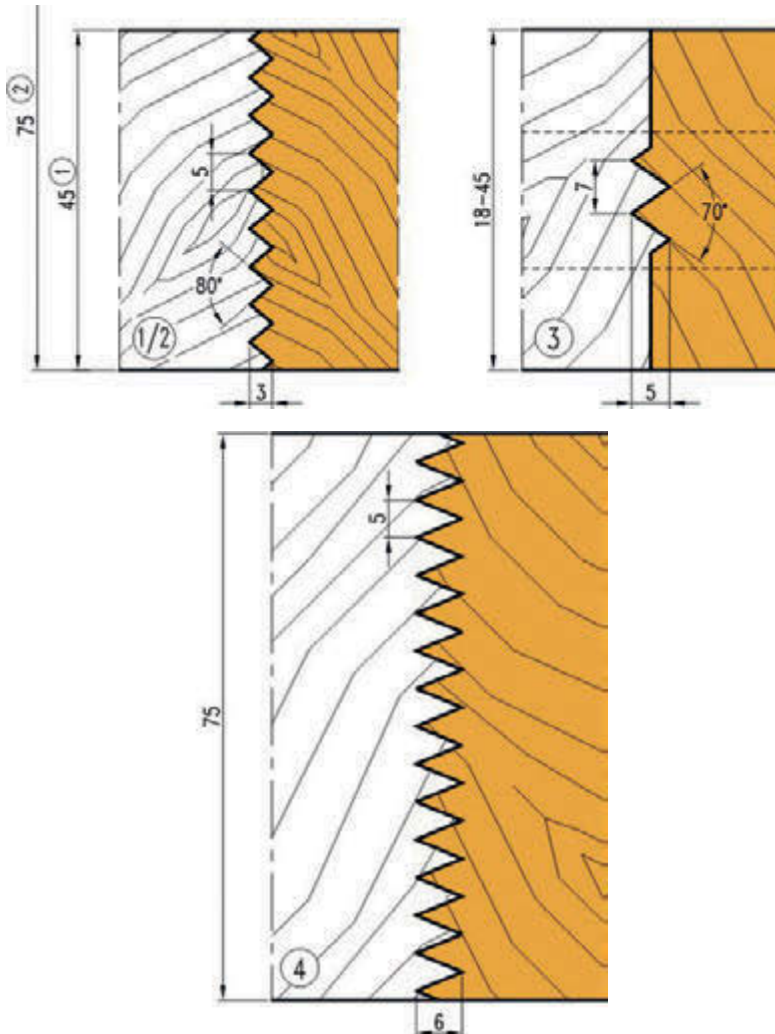
MAN HW

532



Cutterhead nr. 1, 2 e 4 for perfect joint of material adjusted by spacer.
Cutterhead nr. 3 for perfect joint of material by adjusting the profile to the middle height of the wood.

Porte-outils nr. 1, 2 et 4 pour assemblage parfait du matériel avec bague.
Porte-outils nr. 3 pour assemblage parfait du matériel par réglage du profil au milieu de l'hauteur du bois.



Glue joint cutterblock
Fraise pour joints collés en long

Nr.	D	B	d	Z	n min.-max.	Ref.
1	120	48,5	30	2	6400-11100	165.101
1	140	48,5	30/50	3	5500-9500	165.501
2		88,5	30/50	3	5500-9500	165.502
3		50	30/50	3	5500-9500	165.251
4		60	50	4	5500-9500	165.102

Spare parts - Pièces de rechange

Nr.	Dim.	Ref.	
Spacer - Bague	1/2/4	70x2,5	703.071

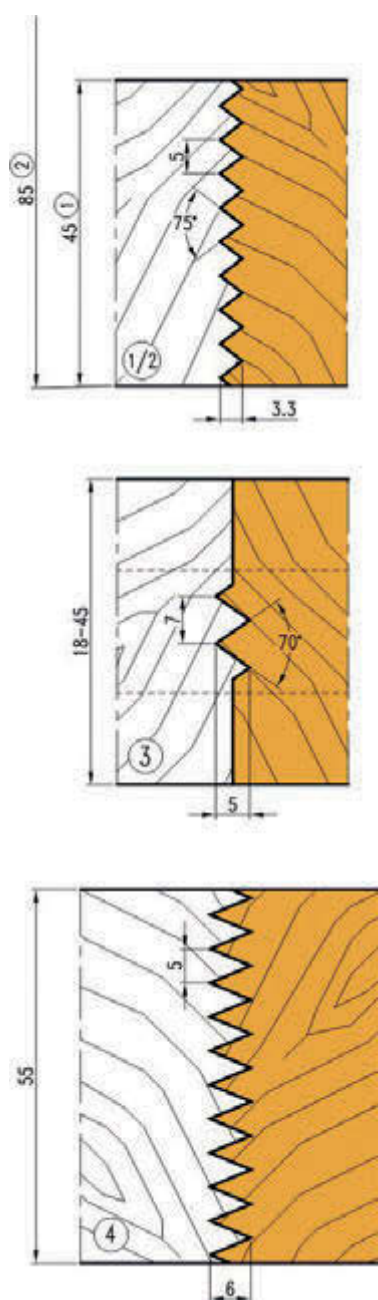
MAN HW

165



Cutterblock nr. 1,2 e 4 for perfect joint of material adjusted by spacer.
 Cutterblock nr. 3 for perfect joint of material by adjusting the profile to the middle height of the wood.

Porte-outils nr. 1, 2 et 4 pour assemblage parfait du matériel avec bague.
 Fraise nr. 3 pour assemblage parfait du matériel par réglage du profil au milieu de l'hauteur du bois.



Glue joint cutterhead Porte-outils pour joints collés en long

Nr.	D	B	d	Z	n ⁿ min.-max.	Ref.
1	140	50	30/50	2	5500-9500	533.102
2		60	30/50	2	5500-9500	533.104

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	50x22x2 60x22x2	768.101 768.102
Clamping wedge - Cale	50 60	707.104 707.103
Screw - Vis	M8x16	705.542
T Wrench - Clé en T	SW4	706.104

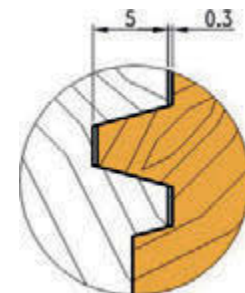
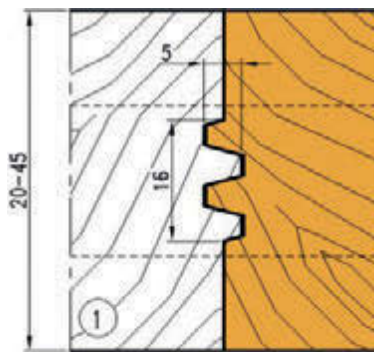
MAN HW

533



Perfect joint of material by adjusting the profile to the middle height of the wood.

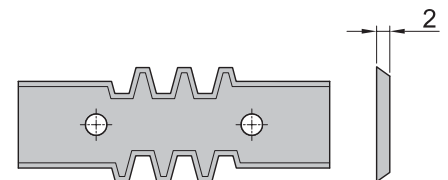
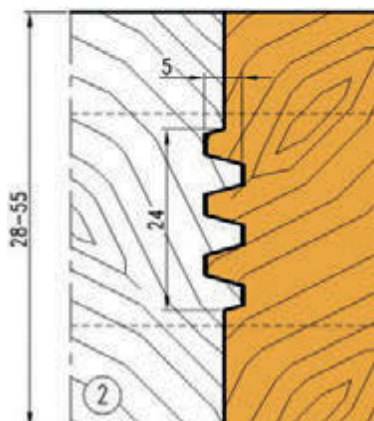
Assemblage parfait du matériel par réglage du profil au milieu de l'hauteur du bois.



4

Cutterhead supplied with glue gap of 0,3mm.

Porte-outils livré avec jeu de 0,3mm pour la colle.

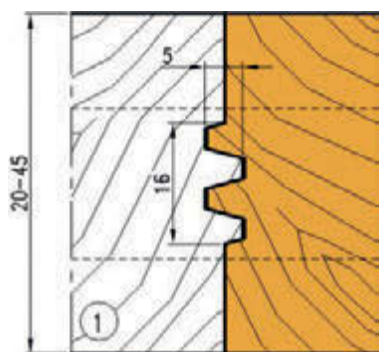


Glue joint cutterblock Fraise pour joints collés en long

Nr.	D	B	d	Z	n _{min.-max.}	Ref.
1	140	50	30/50	3	5500-9500	162.111

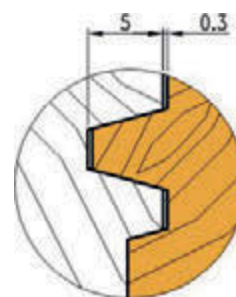
MAN HW

162



Perfect joint of material by adjusting the profile to the middle height of the wood.

Assemblage parfait du matériel par réglage du profil au milieu de l'hauteur du bois.



Cutterblock supplied with glue gap of 0,3mm.

Fraise livrée avec jeu de 0,3mm pour la colle.

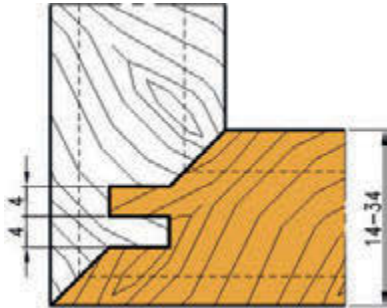
Mitre jointing cutterhead

Porte-outil pour bouvetage d'angle à 45°

D	d	Z	l	n min.-max.	Ref.
180	30/50	2	2	4300-7400	534.101

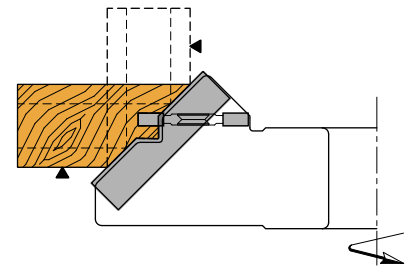
Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	50x12x1,5	768.601
Clamping wedge - Cale		707.109
Screw - Vis	M8x16	705.542
Groover - Rainureuse	35x17x4	783.120
Screw - Vis	M5x13,5	705.318
T Wrench - Clé en T	SW3 (M5)	706.103
	SW4 (M8)	706.104



MAN HW

534

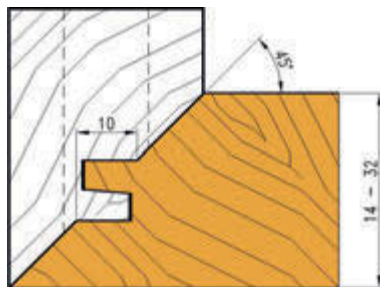


4

Mitre jointing cutterset

Jeu de fraises pour bouvetage d'angle à 45°

Nr.	D	B	d	Z	n max.	Ref.
1	160	35	30/50	3		415.102
2	140	5	30/50	3		415.103
1+2					8300	415.101



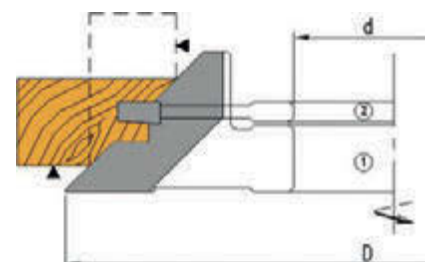
MEC HW

415



Set supplied with 1mm of spacers.

Jeu fourni avec jeu de bagues (1mm).



Adjustable tongue and groove cutterset Porte-outils a bouvetage rainure-languette

Nr.	D	B	d	Z	V+C	l	n _{max.}	Ref.
1	140	15	60	4	2+2		8000	555.105
2	124	12	60	2			8000	555.107
3	140	15	60	4	2+2		8000	555.106
4	140	20	60	4		2	8000	555.103
5	141	20	60	4		2	8000	555.207
6	140	20	60	4		2	8000	555.102
7	154,4	11,6	60	2			8000	555.202
8	154,4	11,6	60	2			8000	555.203
9	171	15	60	4	2+2		8000	555.120
10	159	20	60	4		2	8000	555.121

MEC HW

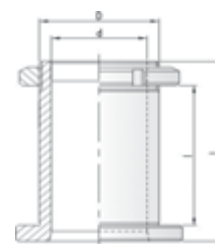
555



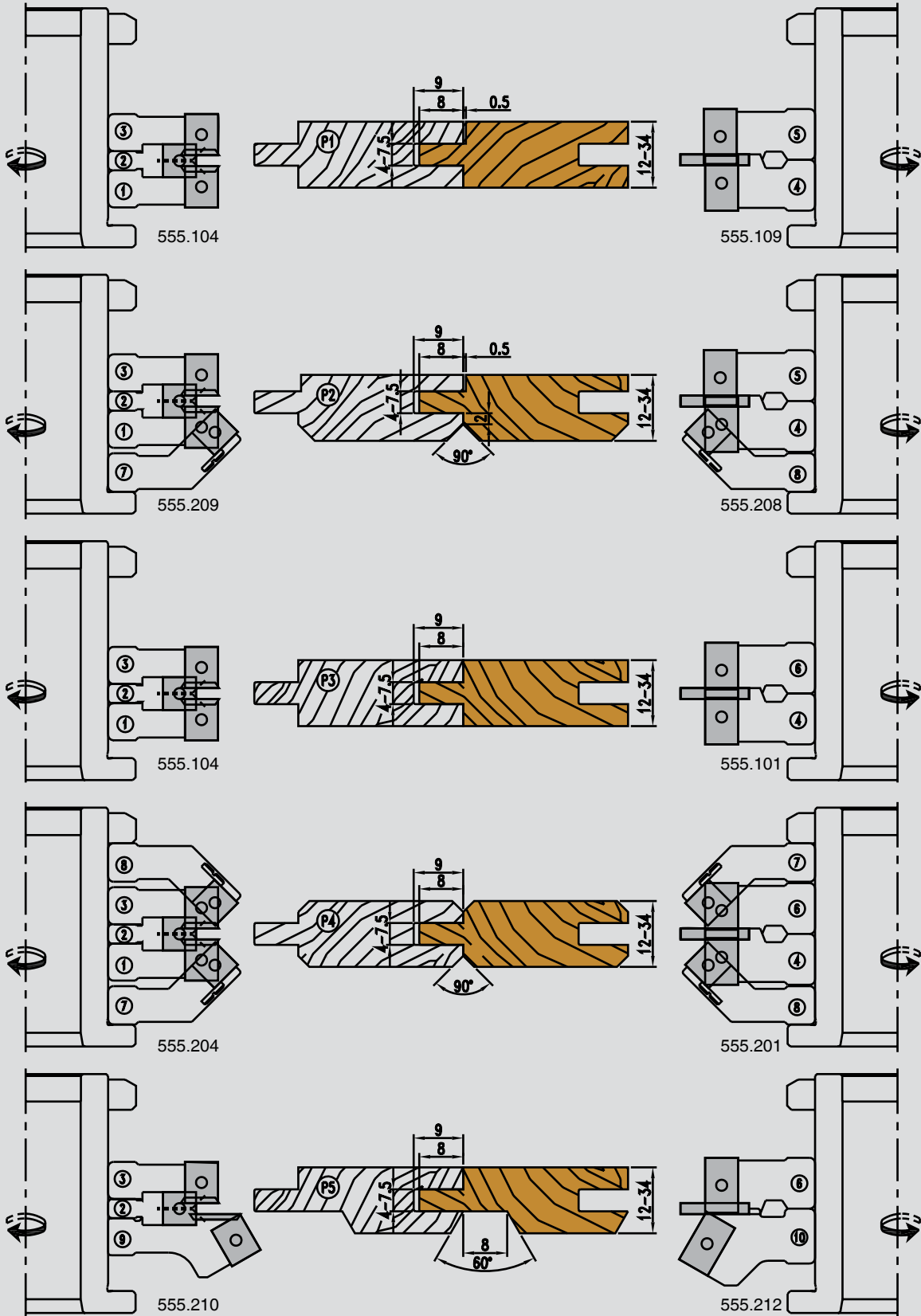
Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - <i>Plaque</i>		11,6x12x1,5	R2 750.099
		12x12x1,5	R3 754.102
		15x12x1,5	750.101
		20x12x1,5	750.102
Clamping wedge - <i>Cale</i>	2/7/8		707.002.10
	1/3/9		707.002.13
	4/5/6/10		707.002.18
Screw - <i>Vis</i>	2/9	M8x16	705.542
	1/3/4/5/6/7/8/10	M8x12	705.541
Spur - <i>Araseurs</i>		14x14x2	750.111
Screw - <i>Vis</i>		M5x6	705.425
T Wrench - <i>Clé en T</i>		T15	706.304
Chanfering blade - <i>Chanfreineuse</i>		22x16x5 45°	780.103
Groover - <i>Rainureuse</i>		25x13x4	783.101
Screw - <i>Vis</i>		M5x13,5	705.318
T Wrench - <i>Clé en T</i>		SW3 (M5)	706.103
		SW4 (M8)	706.104

	Dim.	Ref.LH	Ref.RH
	40x110x60	704.263	704.163
	50x110x60	704.264	704.164
	80/90	706.502	706.502



Cutterhead supplied with sleeve and spacers.
 Porte-outils fournis avec manchon et bagues de réglage.



Adjustable tongue and groove cutterset Jeu a bouvetage rainure-languette

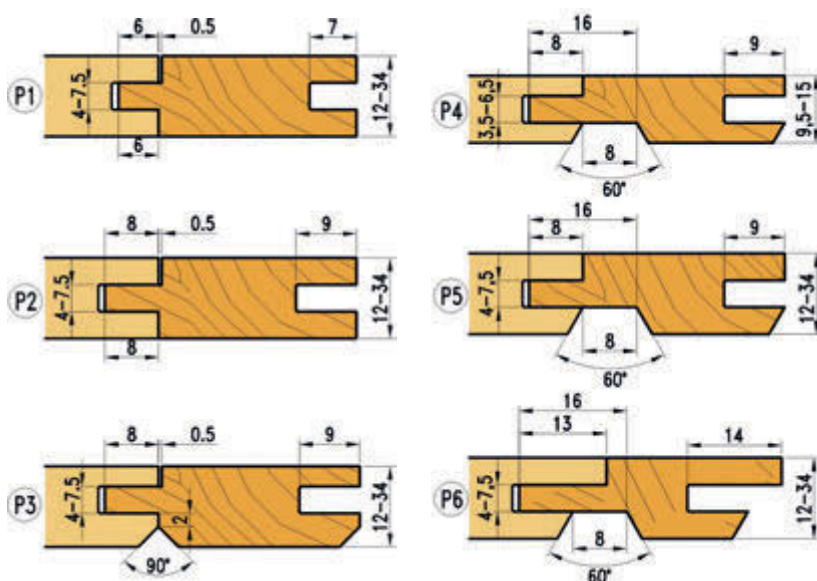
Nr.	D	d	Z	n max.	Ref. HS/LH	Ref. HS/RH
P1	160	30/50	4	9000	461.403	461.404
	160	30/50	6	9000	461.203	461.204
P2	160	30/50	4	9000	461.401	461.402
	160	30/50	6	9000	461.201	461.202
P3	160	30/50	4	9000	461.420	461.421
	160	30/50	6	9000	461.220	461.221
P4	160	30/50	4	9000	461.462	461.463
	160	30/50	6	9000	461.262	461.263
P5	160	30/50	4	9000	461.460	461.461
	160	30/50	6	9000	461.260	461.261
P6	160	30/50	4	9000	461.464	461.465
	160	30/50	6	9000	461.264	461.265

MEC HS
HW

461



Nr.	D	d	Z	n max.	Ref. HW/LH	Ref. HW/RH
P1	160	30/50	4	9000	461.303	461.304
	160	30/50	6	9000	461.103	461.104
P2	160	30/50	4	9000	461.301	461.302
	160	30/50	6	9000	461.101	461.102
P3	160	30/50	4	9000	461.320	461.321
	160	30/50	6	9000	461.120	461.121
P4	160	30/50	4	9000	461.362	461.363
	160	30/50	6	9000	461.162	461.163
P5	160	30/50	4	9000	461.360	461.361
	160	30/50	6	9000	461.160	461.161
P6	160	30/50	4	9000	461.364	461.365
	160	30/50	6	9000	461.164	461.165



Adjustment by spacers.
D180/200 and Hydro clamping system under request.

Réglé avec bagues intercalaires.
D180/200 et système de serrage hydro sur demande.

Complete flooring lines, working example Lignes complètes de parquet, exemple de travail

Tools in DP for flooring production.

Profile and technical details according with the customers layout. Cuttersets with adjustment by spacers or by microthread (allowing easy set up without tool dismantling).

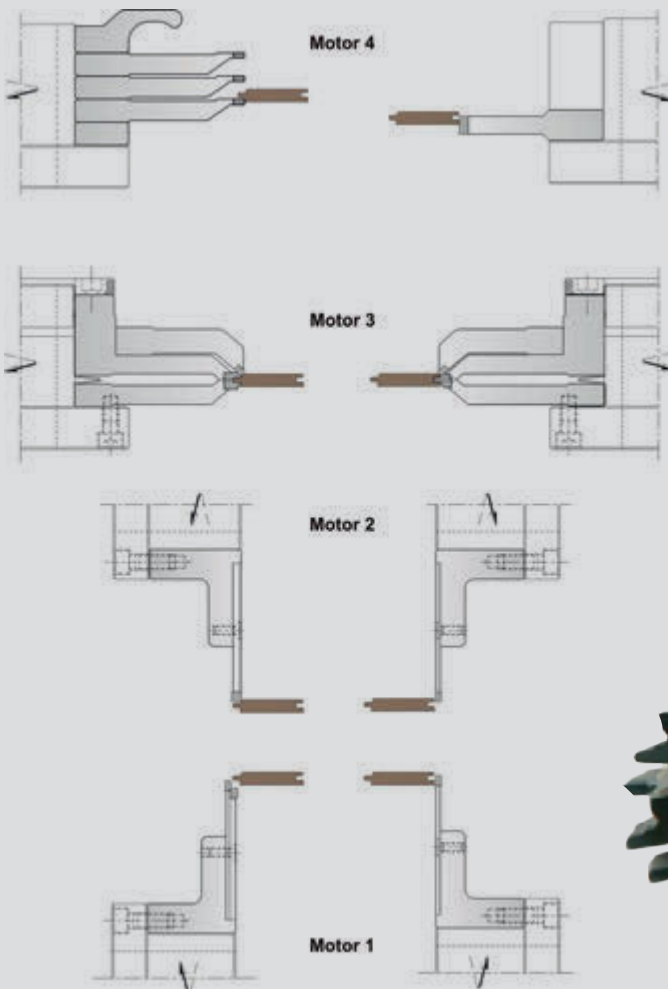
Outillage en DP pour fabrication de parquet.

Profil et caractéristiques techniques d'accord avec la machine et conditions de travail du client. Ensembles d'outils avec réglage par bagues ou réglage micrométrique (en permettant le réglage facile sans démonter les outils).

Example for long grain machine.
Exemple pour machine longitudinale.

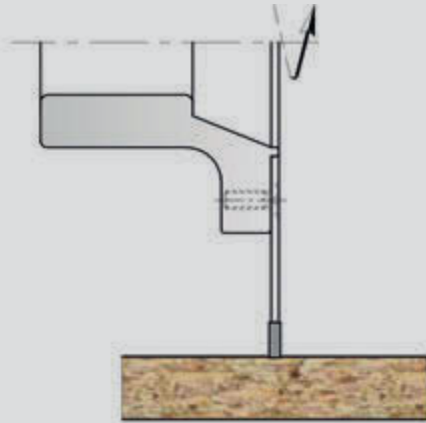
LH side.
Côté gauche

RH side.
Côté droite



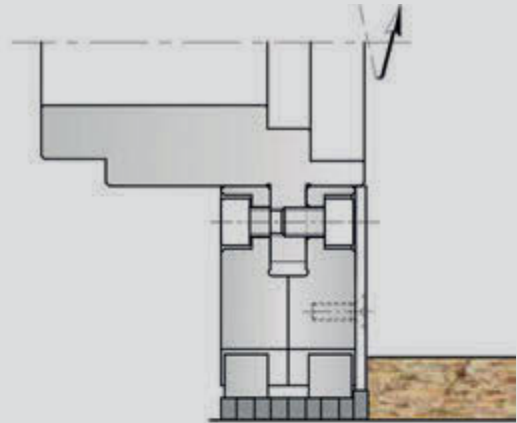
Top scoring
 Inciseur supérieur

1



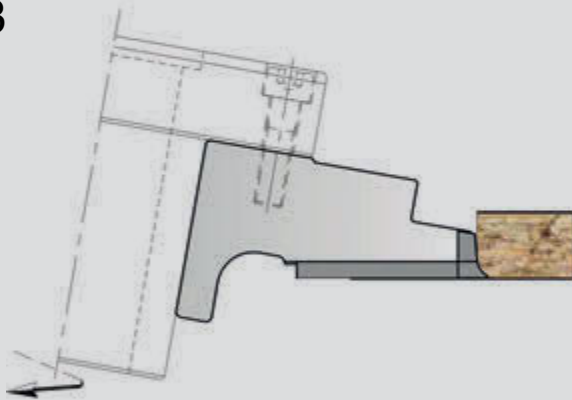
Hogger for the top rebate
 Dechiqueteur pour feillure supérieure

2



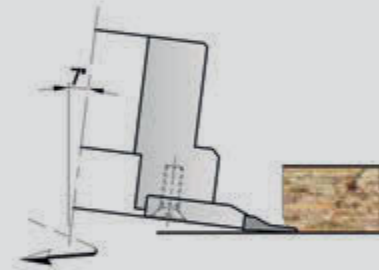
Radius panel raising cutter
 Rayon et surfaçage

3



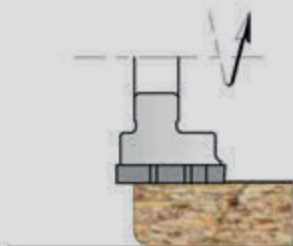
Scribing
 Délignage

4



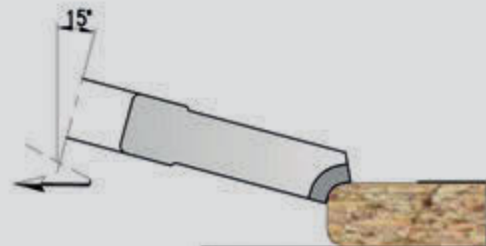
Panel raising of top layer
 Surfaçage supérieure

5



Bottom face radius
 Rayon coté inférieur

6



5

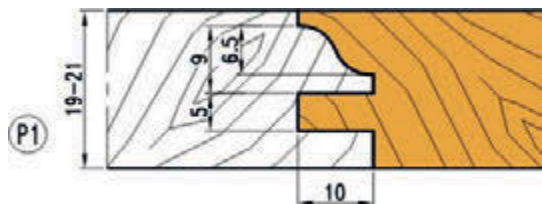
Tooling for doors and windows production Outillage pour portes et fenêtres



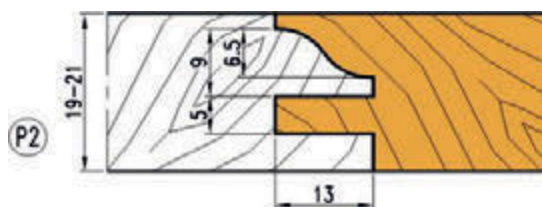
Profile and counter-profile cutters	
Fraises profil et contre-profil.....	5.3-5.6
Doors furniture cutterheads	
Porte-outils pour portes de meubles.....	5.7-5.11
Cutterheads for door frames	
Porte-outils pour dormant de portes	5.12-5.19
Furniture doors profile and counter-profile cutters	
Fraises de profil et contre-profil pour portes de meubles	5.20-5.27
Panel raising cutters and cutterheads	
Fraises et porte-outils à plate-bande	5.28-5.33
Cutterheads for double rebate and hardware groove	
Porte-outils pour double feuillure et cremone	5.34-5.38
Tenoning cutterheads	
Porte-outils à tenoner.....	5.39-5.41
Cuttersets for window production	
Outillage pour fenêtres.....	5.42-5.59

Profiles and counter profiles for furniture doors
Profil et contre-profil de portes de meuble

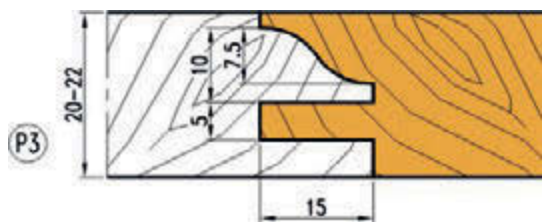
Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.155
2		13	50	3	5500-9500	250.153
1+2						250.160



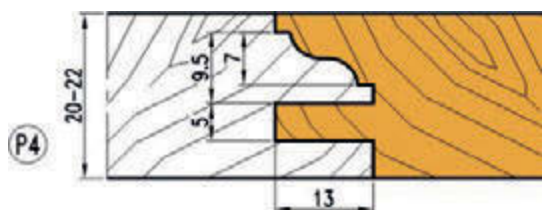
Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.103
2		13	50	3	5500-9500	250.102
1+2						250.101



Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.303
2		14	50	3	5500-9500	250.302
1+2						250.301

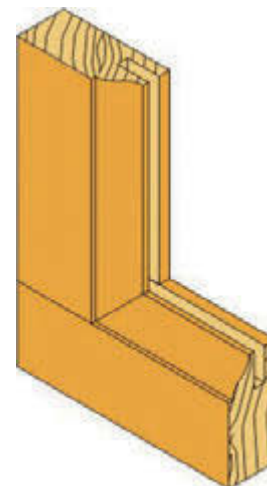
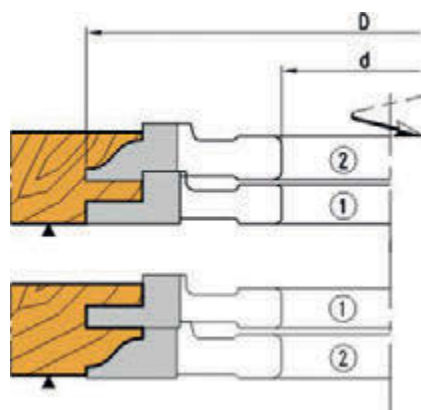


Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.103
2		13	50	3	5500-9500	250.402
1+2						250.401



MAN HW

250

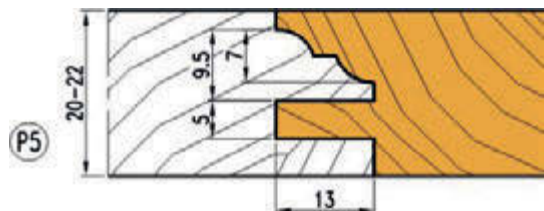


Profiles and counter profiles for furniture doors
Profil et contre-profil de portes de meuble

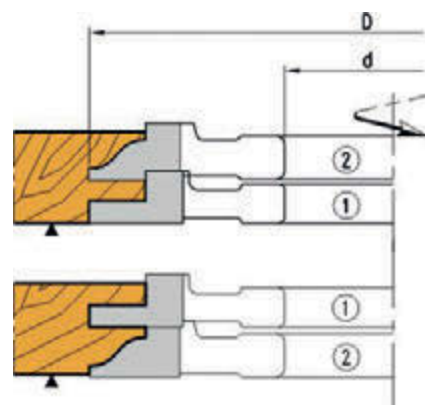
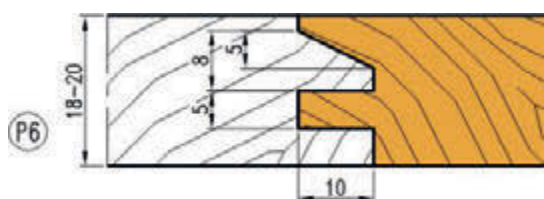
250

MAN HW

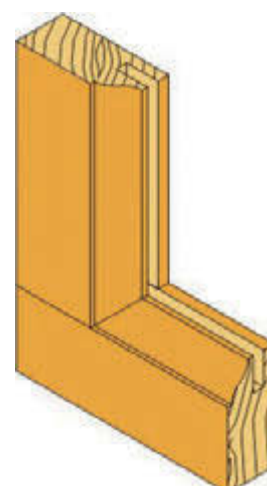
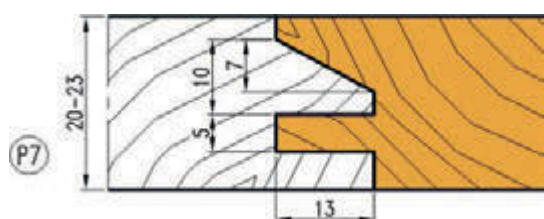
Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.103
2		13	50	3	5500-9500	250.502
1+2						250.501



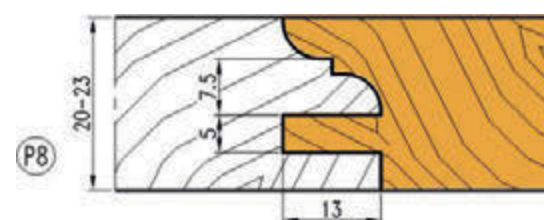
Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.155
2		14	50	3	5500-9500	250.601
1+2						250.600



Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.103
2		15	50	3	5500-9500	250.651
1+2						250.650

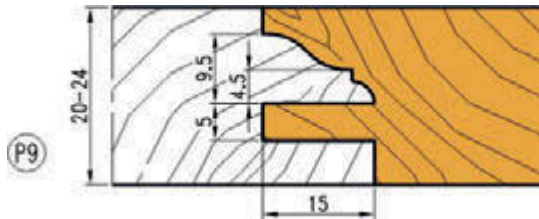


Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.103
2		15	50	3	5500-9500	250.701
1+2						250.700

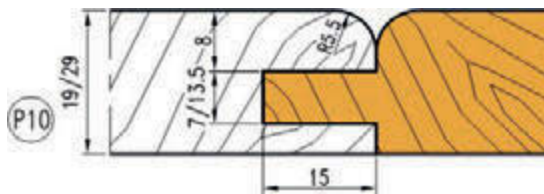


Profiles and counter profiles for furniture doors
Profil et contre-profil de portes de meuble

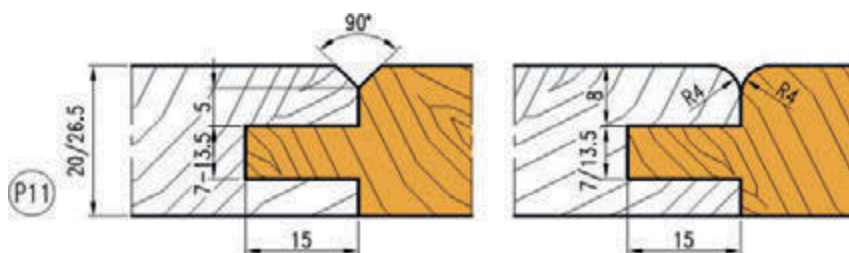
Nr.	D	B	d	Z	n min.-max.	Ref.
1	140	12	50	3	5500-9500	250.303
2		17	50	3	5500-9500	250.751
3		17	50	3	5500-9500	250.754
4		15	50	3	5500-9500	250.753
1+2						250.750
3+4						250.752



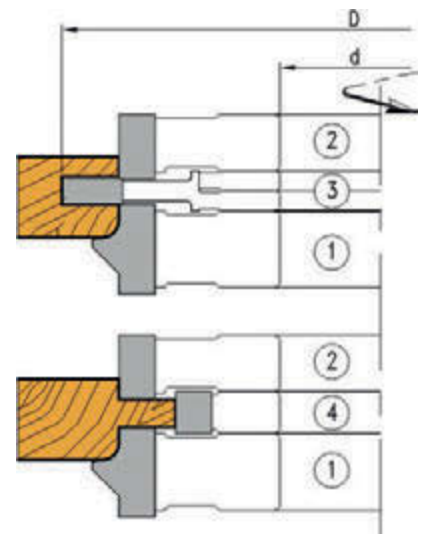
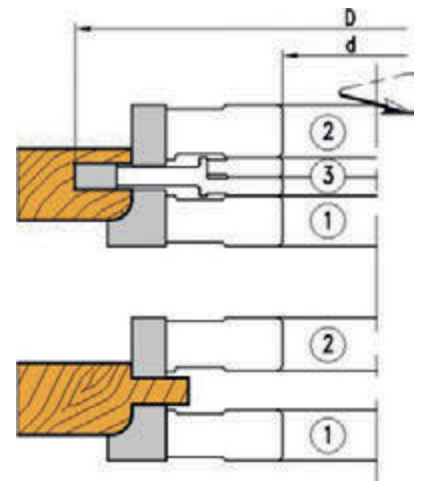
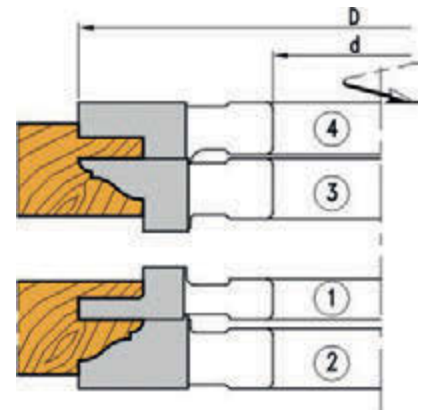
Nr.	D	B	d	Z	V	n min.-max.	Ref.
1	143	10	50	3		5300-9100	250.802
2	130	16	50	3		6000-10200	250.801
3	160	7-13,5	50	4	4	4800-8300	030.703
1+2+3							250.805



Nr.	D	B	d	Z	V	n min.-max.	Ref.
1	143	22,5	50	3		5300-9100	250.808
2	130	16	50	3		6000-10200	250.801
3	160	7-13,5	50	4	4	4800-8300	030.703
4	100	15	50	3		7700-13300	250.807
1+2+3+4							250.806

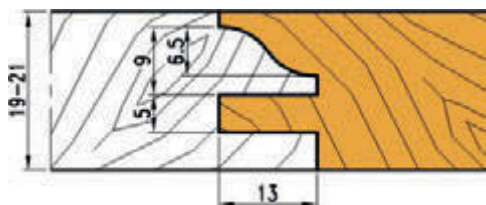


MAN HW **250**



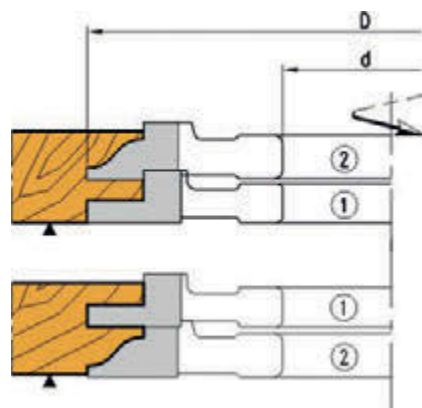
Profiles and counter profiles for furniture doors
Profil et contre-profil de portes de meuble

Nr.	D	B	d	Z	n _{min.-max.}	Ref.
1	120	10,5	30	2	6400-11100	125.101
2		11,8	30	2	6400-11100	211.107
1+2						480.361

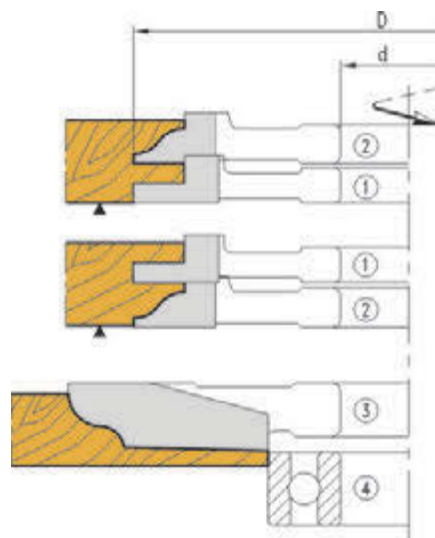
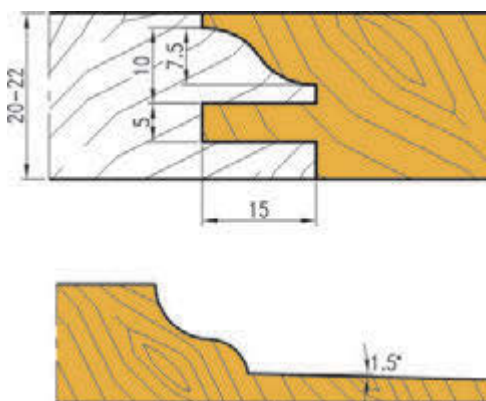


MAN HW

480



Nr.	D	B	d	Z	n _{min.-max.}	Ref.
1	120	10,5	30	2	6400-11100	125.101
2	120	11,8	30	2	6400-11100	211.107
3	150	14	30	2	5200-8900	186.107
4	62					701.107
1+2+3+4						480.379



Profiles and counter profiles for furniture doors
Profil et contre-profil de portes de meuble

Nr.	D	B	d	Z	n min.-max.	Ref.
1	163	30	30/50	2	5500-9500	578.101 ○
2	151	20	30/50	2	5500-9500	578.102 ○
1+2						578.110

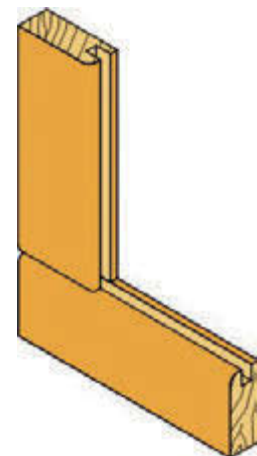
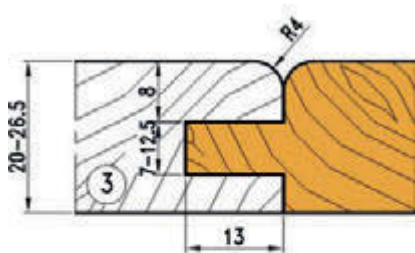
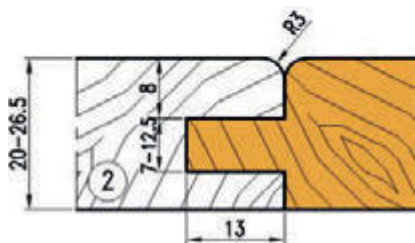
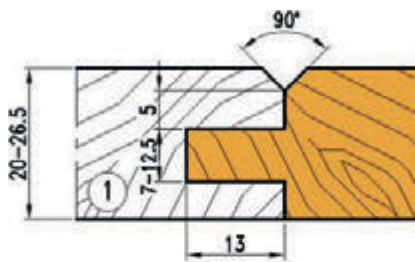
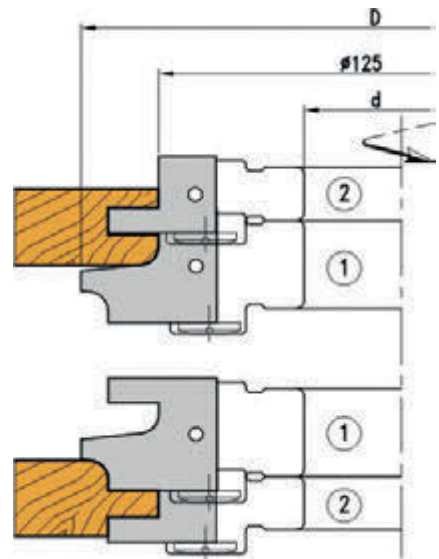
○ Cutterhead supplied without knives - [Porte-outils livré sans plaquettes](#)

Spare parts - Pièces de rechange

	Dim.		Ref.
Knife - Plaquette	30x35x2 (P1)	1	785.790
Clamping wedge - Cale	30x35x2 (P2)		785.791
	30x35x2 (P3)		785.792
	30x35x2 (P4)		785.793
	20x30x2	2	785.794
Clamping wedge - Cale		1	707.578.01
		2	707.578.02
Screw - Vis	M8x16		705.542
T Wrench - Clé en T	SW4 (M8)		706.104

MEC HW

578



Profiles and counter profiles for furniture doors
Profil et contre-profil de portes de meuble

528

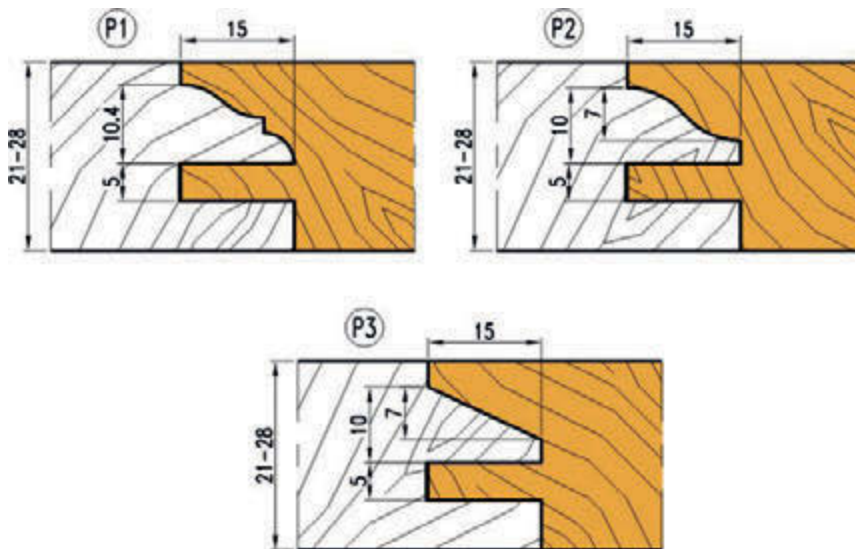
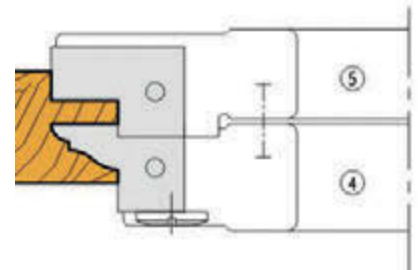
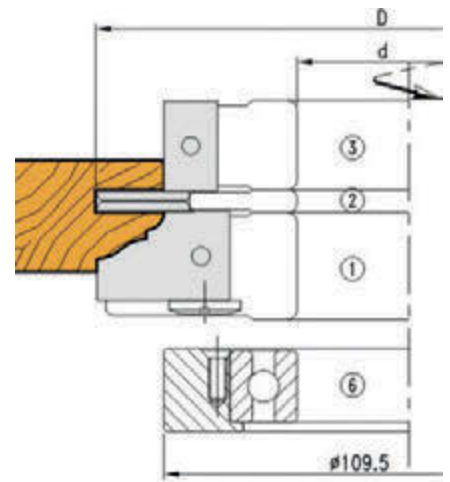
MAN HW

Nr.	D	B	d	Z	V	n _{min.-max.}	Ref.
1	139,5	20	50	4		5500-9500	528.101 ○
2	140	5	50	4	4	5500-9500	551.102
3	109,5	20	50	4		7000-11900	528.102
4	160	20	50	3		4800-8300	528.103 ○
5		20	50	3		4800-8300	528.104
6	109,5						702.224
1+2+3+4+5+6							528.110

○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

	Dim.	Nr.	Ref.
Knife - <i>Plaquette</i>	20x30x2 (P1)	1	785.750
	20x30x2 (P2)		785.751
	20x30x2 (P3)		785.752
	20x12x1,5	3	750.102
	20x30x2 (P1)	4	785.753
	20x30x2 (P2)		785.754
	20x30x2 (P3)		785.755
	20x30x2	5	785.756
Clamping wedge - <i>Cale</i>		1	707.091
		3	707.130.20
		4	707.092
		5	707.093
Screw - <i>Vis</i>	M8x16		705.542
Ball bearing - <i>Roulement à billes</i>	D80		701.105
T Wrench - <i>Clé en T</i>	SW4		706.104



Profiles and counter profiles for furniture doors
Profil et contre-profil de portes de meuble

Nr.	D	B	d	Z	V	I	n min.-max.	Ref.
1	150,2	24,0	30/50	2	2+2	2	5200-8900	521.103
2	150,0	29,5	30/50	2			5200-8900	521.102
1+2								521.101

Spare parts - Pièces de rechange

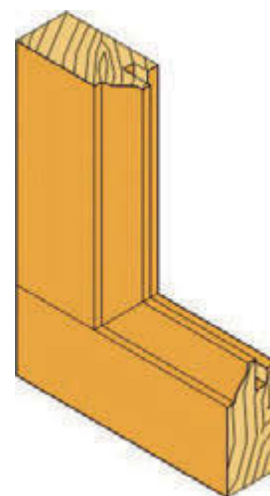
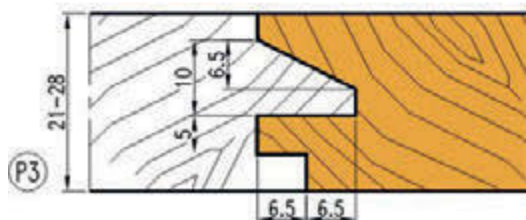
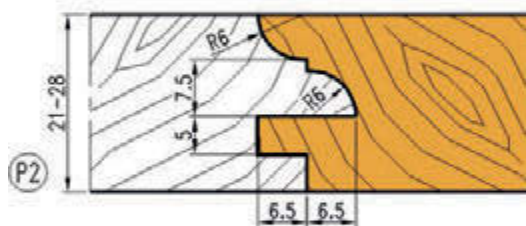
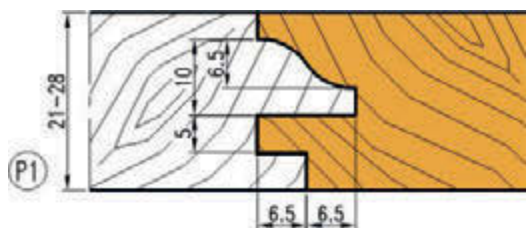
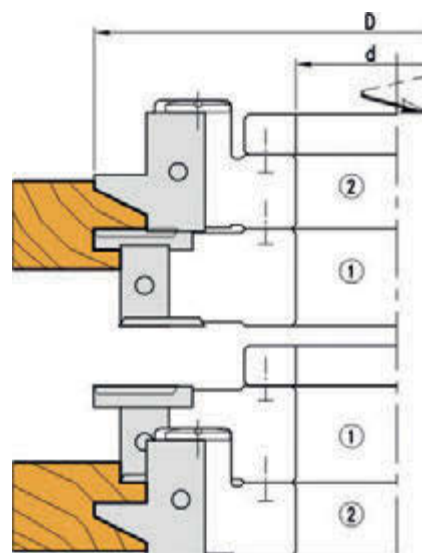
	Dim.		Ref.
Knife - Plaque	29,5X27,5X2	P1	785.404
	29,5X27,5X2	P2	785.405
	29,5X27,5X2	P3	785.406
	20x12x1,5		750.102
Clamping wedge - Cale		Nr.2	707.253
		Nr.1	707.002.18
Screw - Vis	M8x16		705.542
Spur - Araseurs	22x19x2		760.101
Screw - Vis	M5x6		705.425
Torx Screw - Vis Torx	T15		706.304
Groover - Rainureuse	13x24,5x5		783.102
Torx Screw - Vis Torx	M5x13,5		705.318
T Wrench - Clé en T	SW3		706.103
	SW4		706.104
Spacer - Bague			703.991

MEC HW

521



Complete set with 3 profiles.
 Jeu complet avec 3 profils.



Profiles and counter profiles for furniture doors
Profil et contre-profil de portes de meuble

	D	B	d	Z	n min.-max.	Ref.
new	140	40	30/50	2	5500-9500	521.201 ○

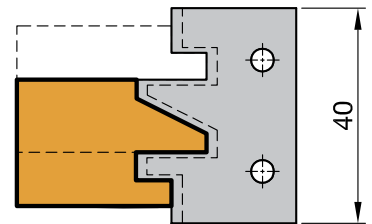
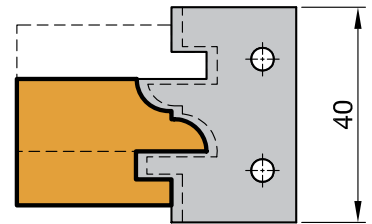
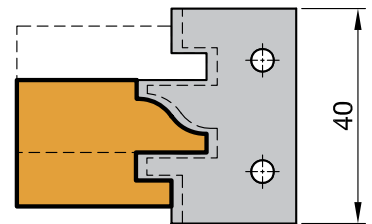
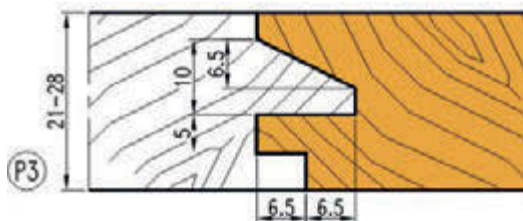
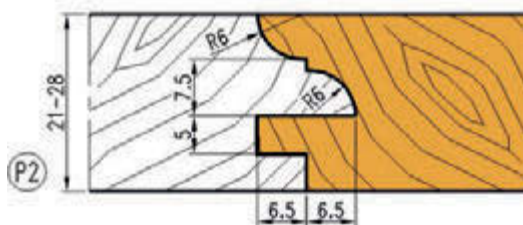
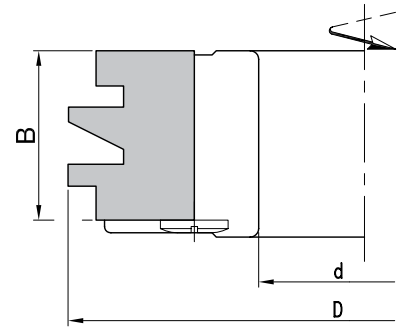
○ Cutterhead supplied without knives - *Porte-outils livré sans plaquettes*

Spare parts - Pièces de rechange

	Dim.		Ref.
Knife - <i>Plaquette</i>	40x30x2	P1	785.518
	40x30x2	P2	785.519
	40x30x2	P3	785.520
Clamping wedge - <i>Cale</i>			707.520.01
Screw - <i>Vis</i>	M8x20		705.544
T Wrench - <i>Clé en T</i>	SW4		706.104

MAN HW

521



Profiles and counter profiles for furniture doors

Profil et contre-profil de portes de meuble

Nr.	D	B	d	Z	V	I	n _{min.-max.}	Ref.
1	160	30	30/50	3	3	3	4800-8300	520.201 ○
2		20	30/50	3	3+3		4800-8300	520.102
3	138	20	30/50	3			5600-9600	520.103
1+2+3								520.200

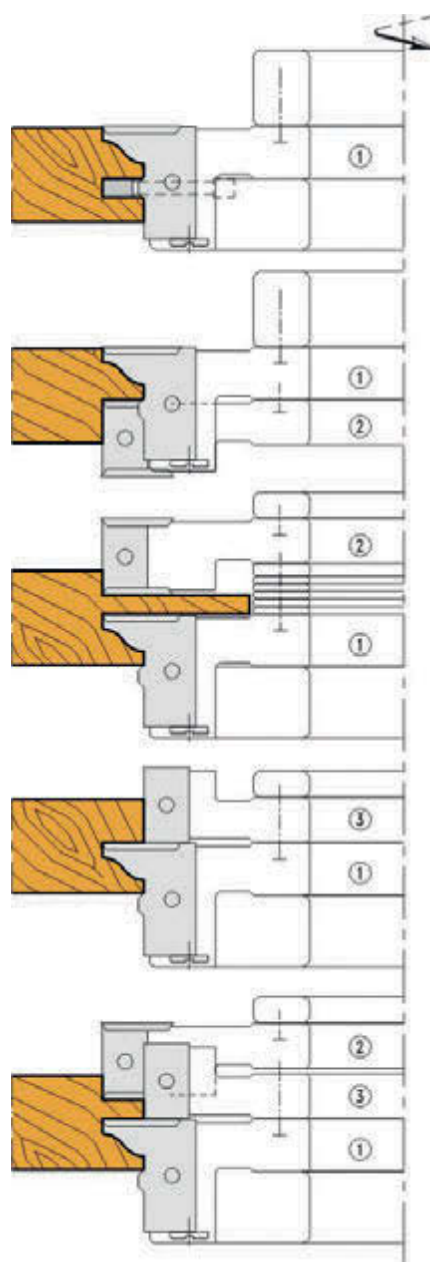
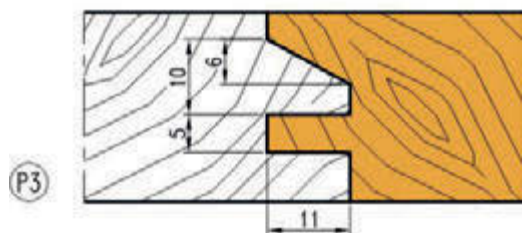
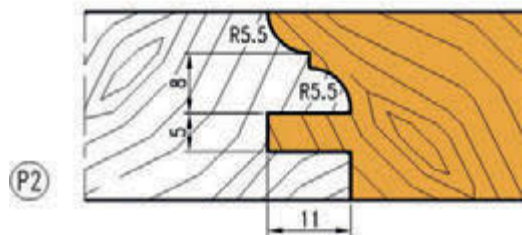
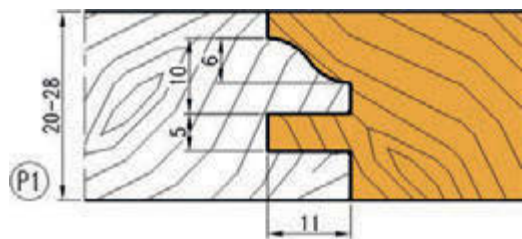
○ Cutterhead supplied without knives - [Porte-outils livré sans plaquettes](#)

Spare parts - Pièces de rechange

	Dim.	Nr.	Ref.
Knife - Plaquette	30x25x2	1	785.302
	30x25x2		785.301
	30x25x2		785.303
	20x12x1,5	1/2	750.102
Clamping wedge - Cale		1	707.807
		2/3	707.002.18
Screw - Vis	M8x12	1	705.541
	M8x16	2/3	705.542
Spur - Araseurs	22x19x2	1	760.101
	14x14x2	2	750.111
Screw - Vis	M5x6		705.425
Torx Screw - Vis Torx	T15		706.304
Groover - Rainureuse	35x17x5		783.121
Screw - Vis	M5x13,5		705.318
T Wrench - Clé en T	SW3		706.103
	SW4		706.104

MAN HW

520



Door frames cutterhead Porte-outils pour cadres de portes

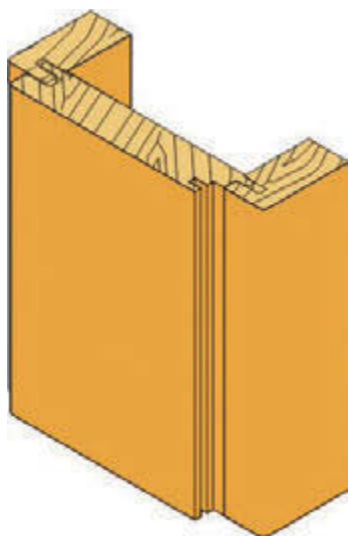
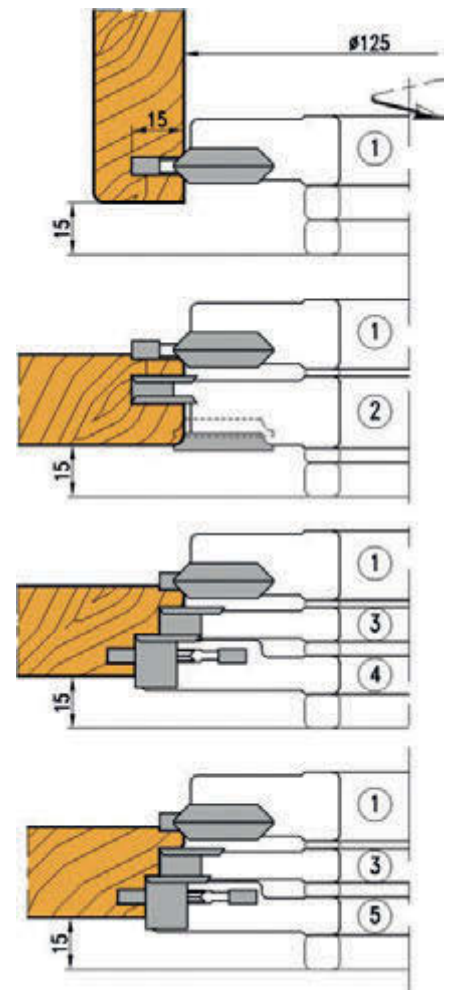
D	B	d	Z	V	I	n ⁿ min.-max.	Ref.
125	4	40/50	2		2	6100-10500	582.111
155	8	40/50	2	4		4300-8400	582.112
139	9,8	40/50	2	2		5600-9600	582.113
153	15	40/50	2	2	2	5000-8600	582.114
147	15	40/50	2	2		5200-8900	582.115

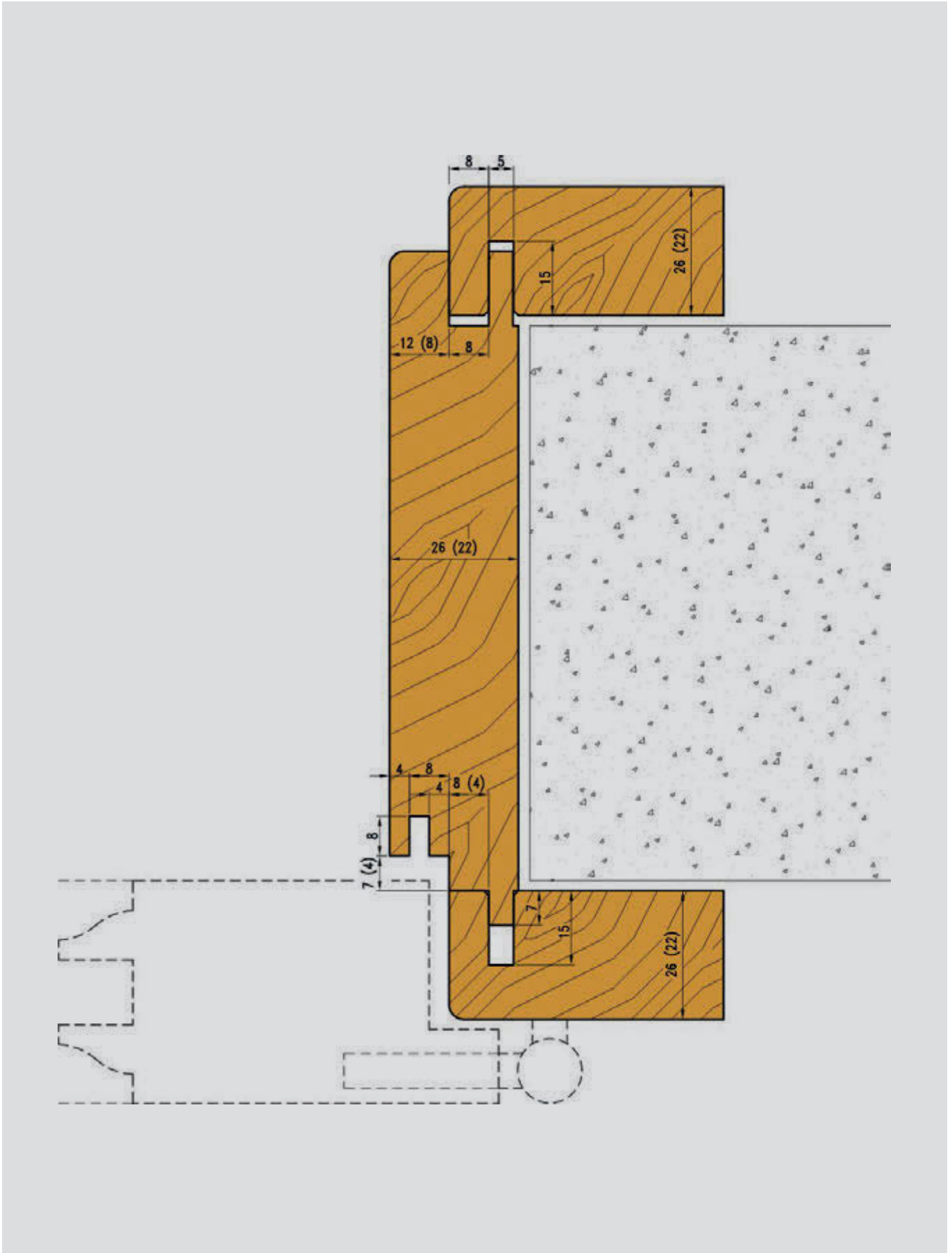
Spare parts - Pièces de rechange

	Dim.		Ref.
Knife - <i>Plaquette</i>	7,5x12x1,5	2	750.097
	9,6x12x1,5	3	750.098
	15x12x1,5	4/5	750.101
Clamping wedge - <i>Cale</i>		2	707.002.07
		3	707.002.08
		4/5	707.133.15
Screw - <i>Vis</i>	M5x12	2	705.523
	M6x16	3	705.535
	M8x12	4/5	705.541
Spur - <i>Araseurs</i>	14x14x2		750.111
Screw - <i>Vis</i>	M5x7		705.425
Groover - <i>Rainureuse</i>	20x34x5		783.123
	20x26x5		783.124
Rounding blade - <i>Arrondisseur</i>		R3	780.251
Chamfering blade - <i>Chanfreineuse</i>		45°	780.260
Screw - <i>Vis</i>	M5x13,5		705.318
T Wrench - <i>Clé en T</i>	SW2,5		706.102
	SW3		706.103
	SW4		706.104

MAN HW

582





Door frames cutterhead
Porte-outils pour cadres de portes

582

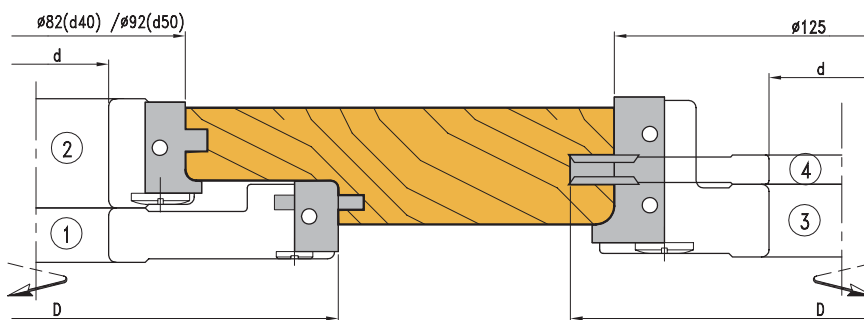
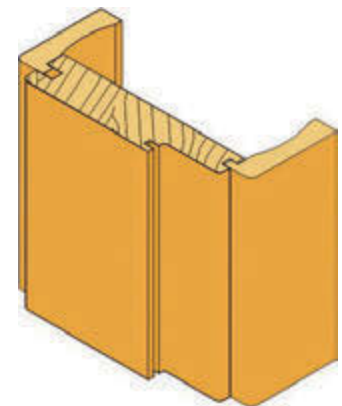
MEC HW

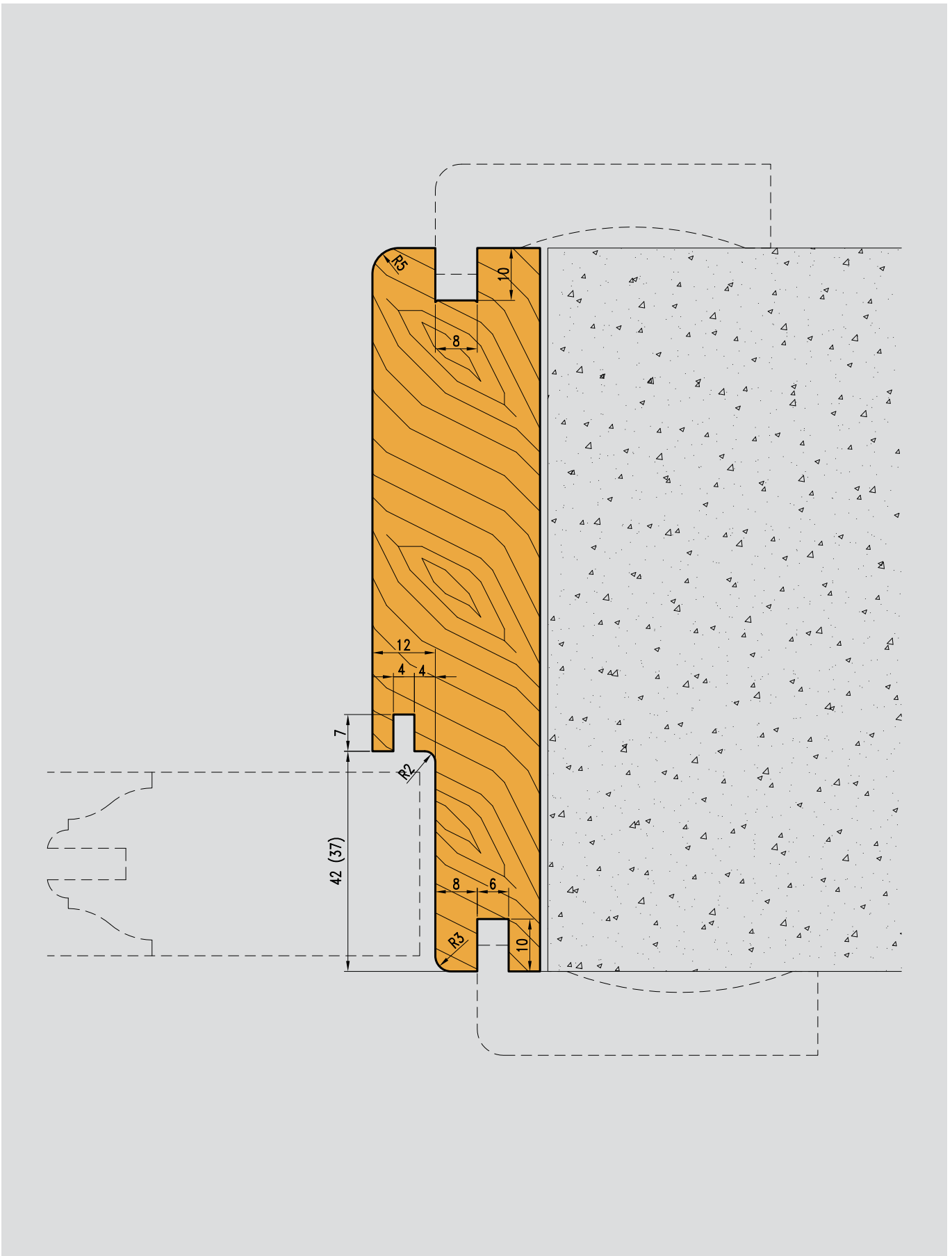
Nr.	D	B	d	Z	V	l	n _{max.}	Ref.
1	166	20	40/50	4		2	7800	582.201
2	102	25	40	4			14200	582.206
	112	25	40/50	4			12000	582.207
3	137	40	40/50	4			9500	582.204
4	145	8	40/50	4	4		8900	582.208



Spare parts - Pièces de rechange

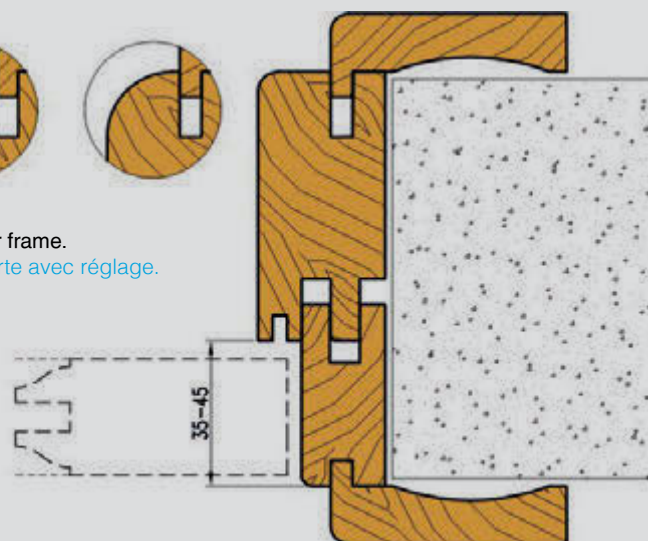
	Dim.		Ref.
Knife - <i>Plaque</i>	20x12x1,5	1	785.110
	25x17x2	2	785.111
	40x20x2	3	785.113
	7,6x12x1,5	4	750.097
Clamping wedge - <i>Cale</i>		1	707.130.20
		2	707.012.23
		3	707.002.38
		4	707.002.07
Screw - <i>Vis</i>	M8x16	1/3	705.542
	M6x16	2	705.535
	M5x12	4	705.523
Spur - <i>Araseurs</i>	14x14x2		750.111
Torx screw - <i>Vis Torx</i>	M5x6		705.425
Torx wrench - <i>Clé Torx</i>	T15		706.304
Groover - <i>Rainureuse</i>	25,5x13x4		783.101
Screw - <i>Vis</i>	M5x13,5		705.318
T Wrench - <i>Clé en T</i>	SW2,5		706.102
	SW3		706.103
	SW4		706.104



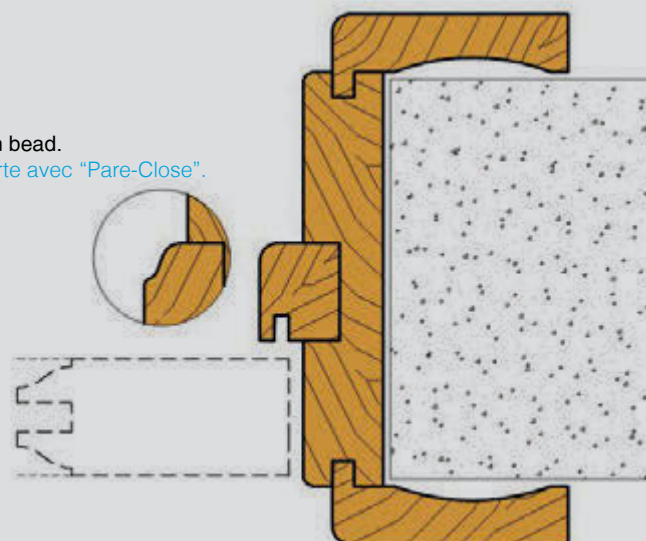


Door frames example.
Exemple de cadres de portes.

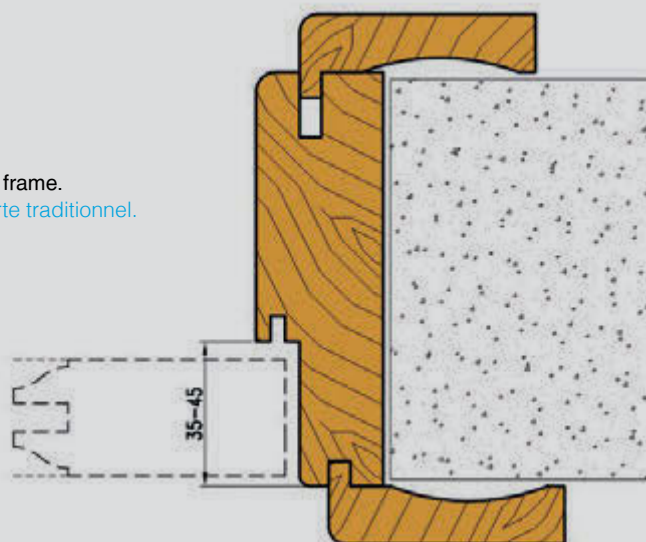
Adjustable door frame.
Cerceau de porte avec réglage.



Door frame with bead.
Cerceau de porte avec "Pare-Close".



Traditional door frame.
Cerceau de porte traditionnel.



Door frames cutterhead Porte-outils pour cadres de portes

Nr.	D	B	d	Z	V	S	n max.	Ref.	
1	147	20	50	2			8900	584.101 ○	
2	125	100	50	2			8900	584.106	
3	147	50	50	2	2	2	8900	584.107	
4	50x40x190								704.901
1+2+3+4								584.108	

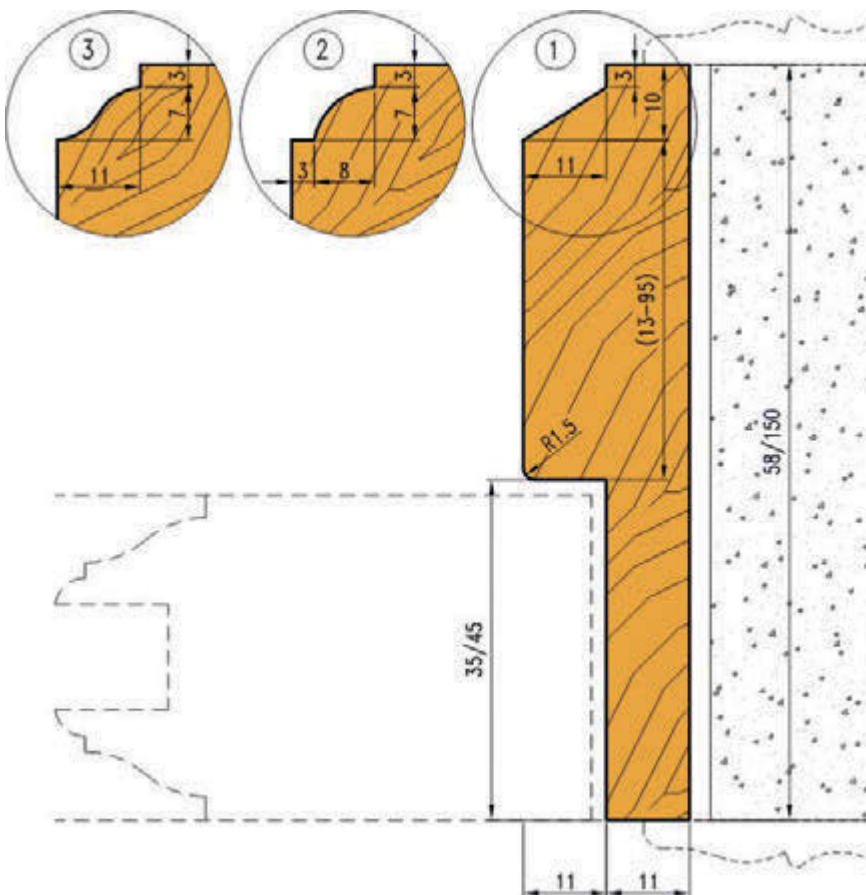
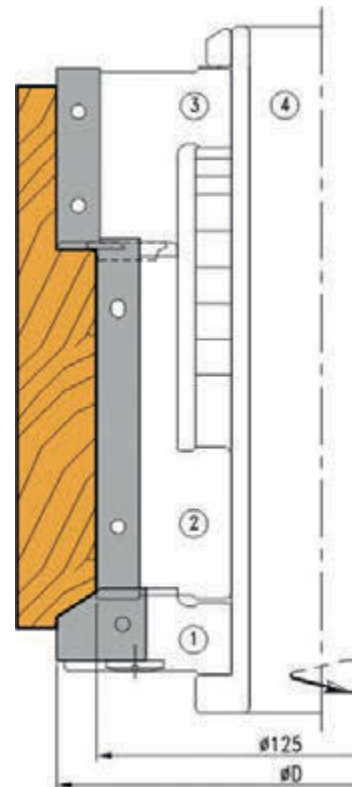
○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

	Dim.		Ref.
Knife - <i>Plaquette</i>	20x25x2	1	785.621
	20x25x2		785.622
	20x25x2		785.623
	100x13x2,2	2	750.109
	50x12x1,5	3	750.106
Clamping wedge - <i>Cale</i>		1	707.084
		2	707.002.98
		3	707.130.48
Screw - <i>Vis</i>	M8x16		705.542
Spur - <i>Araseurs</i>	14x14x2		750.111
Torx screw - <i>Vis Torx</i>	M5x6		705.425
Torx wrench - <i>Clé Torx</i>	T15		706.304
Rounding blade - <i>Arrondisseur</i>	R1,5		780.205
Screw - <i>Vis</i>	M5x13,5		705.318
T Wrench - <i>Clé en T</i>	SW3		706.103
	SW4		706.104

MEC HW

584



Tenoning cutterhead set for door frames
Porte-outils pour tenonage de cadres de portes

Nr.	D	B	d	Z	V	n _{min.-max.}	Ref.
1	302	20	50	3		2600-4400	585.101 ○
2		10	50	3	6	2600-4400	583.460
3	280	10	50	3	6	2800-4700	583.352
4		50	50	3	3	2800-4700	550.355
5	302	10	50	3	6	2800-4400	583.452

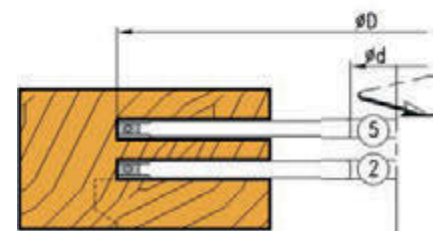
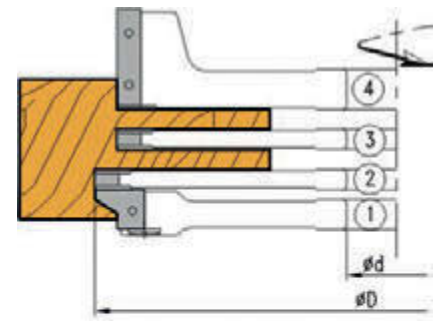
○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

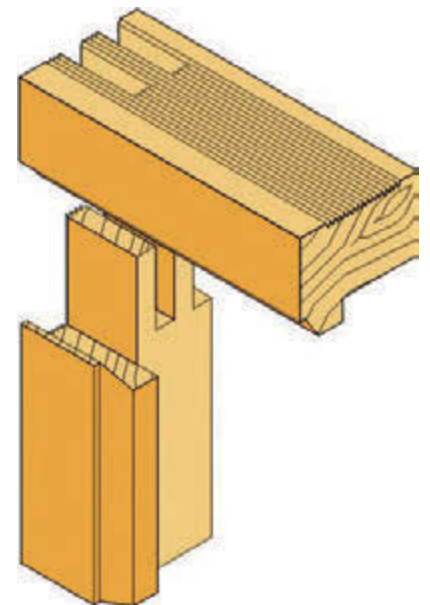
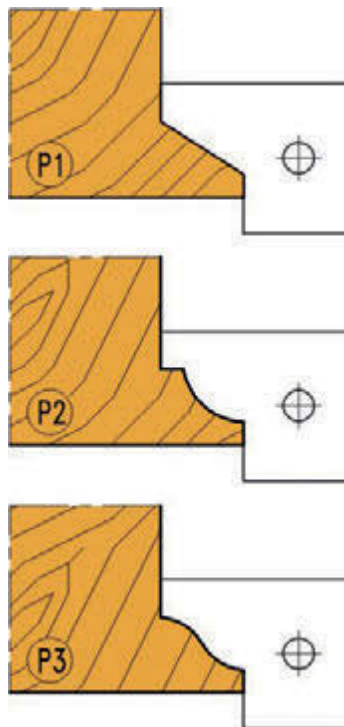
	Dim.		Ref.
Knife - Plaquette	20x25x2	P1	785.625
	20x25x2	P2	785.626
	20x25x2	P3	785.627
	9,6x12x1,5	2/3/5	750.098
	50x12x1,5	4	750.106
Clamping wedge - Cale		1	707.085
		2/3/5	707.002.08
		4	707.130.50
Screw - Vis	M8x16		705.542
	M6x16	2/3/5	705.535
Spur - Araseurs	14x14x2		750.111
Torx screw - Vis Torx	M5x6		705.425
Torx wrench - Clé Torx	T15		706.304
T Wrench - Clé en T	SW3		706.103
	SW4		706.104

MAN HW

585



Profile see Art. 584 on page 5.17.
 Profil voir Art.584 sur la page 5.17.

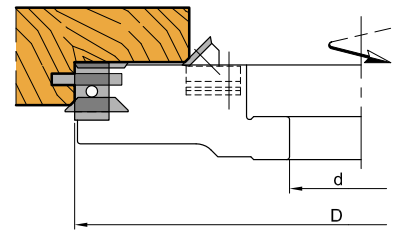


Door frames cutterhead
Porte-outils pour cadres de portes

Nr.	D	B	d	Z	V	I	C	n _{max.}	Ref.
1	200	20	30/50	4	2	2	2+2	6600	595.101
new 2	200	20	30/50	4	2	2	2+2	6600	595.102

MEC HW

595



Spare parts - Pièces de rechange

	Nr1	Dim.	Ref.
Knife - Plaquette	1,2	20x12x1,5	750.102
Clamping wedge - Cale	1,2		707.002.18
Screw - Vis	1,2	M8x16	705.542
Spur - Araseurs	1,2	14x14x2	750.111
Torx screw - Vis Torx	1,2	M5x6	705.425
Torx wrench - Clé Torx	1,2	T15	706.304
Chanfering blade - Chanfreineuse	1		780.103
Groover - Rainureuse	2	25,5x13x3,2	783.105
	1	25,5x13x4	783.101
Rounding blade - Arrondisseur	2	16x22 R1,5	780.205
	2	16x22 R3,0	780.206
Screw - Vis	1,2	M5x13,5	705.318
T Wrench - Clé en T	1	SW3	706.103
	1	SW4	706.104

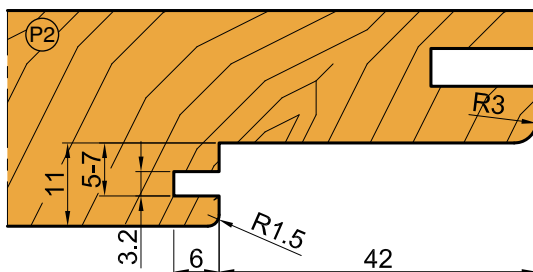
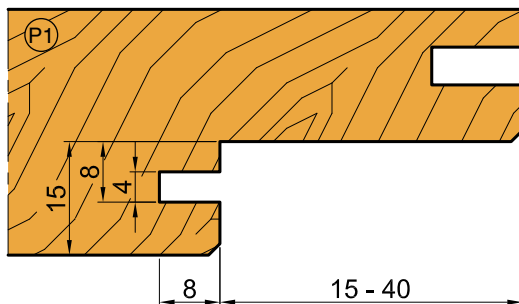
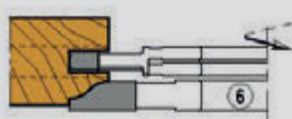
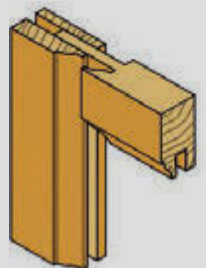
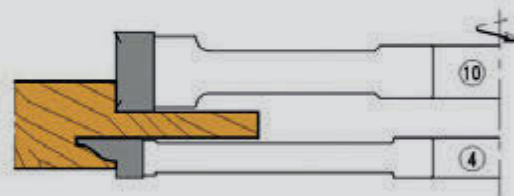
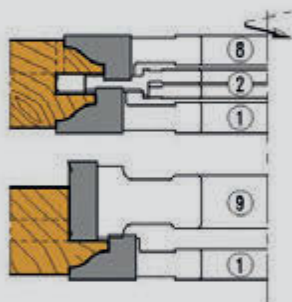
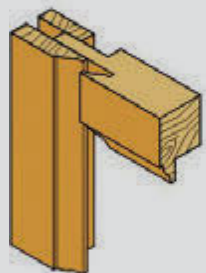
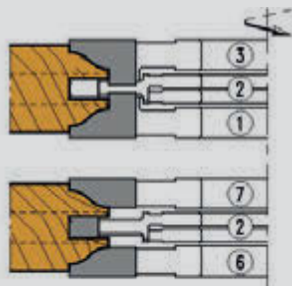




Photo Porama S.A.



Photo Porama S.A.



Profile tools HW/HS.
 Outils pour profil HW / HS
 D=140 - 160mm
 Z= 2- 3 - 4

Counter profile tools HW/HS.
 Outils pour contre-profil HW/HS
 D= 280 - 320mm
 Z= 3

Doors profile and counter profile Profil et contre-profil de portes

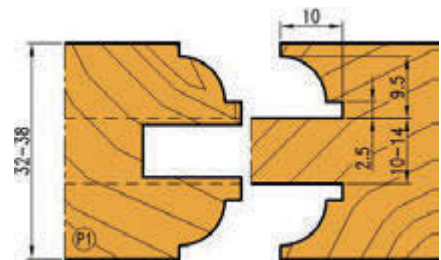
Profile P1 - Profil P1

Nr.	D	B	d	Z	V	n _{max.}	Ref.
6	140	13	50	4		9500	370.102
2	150	7-13,5	50	4	4	8900	030.503
7	140	19	50	4		9500	370.302
4	320	15	50	3	3	3800	278.013 •
5	320	15	50	3	3	3800	278.014 •
6+2+7							278.010
4+5							278.011

- Under request - [Sur demande](#)

MEC HW

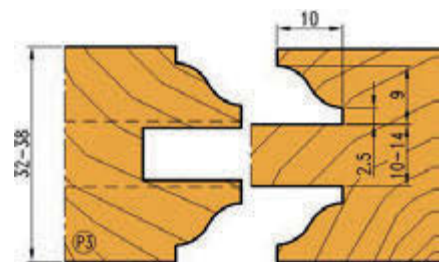
278



Profile P3 - Profil P3

Nr.	D	B	d	Z	V	n _{max.}	Ref.
1	140	17	50	4		9500	278.032 •
2	150	7-13,5	50	4	4	8900	030.503
3	140	17	50	4		9500	278.033 •
4	320	15	50	3	3	3800	278.034 •
5	320	15	50	3	3	3800	278.035 •
1+2+3							278.030
4+5							278.031

- Under request - [Sur demande](#)

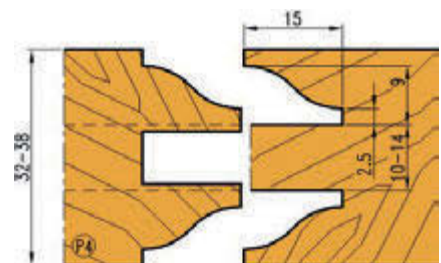


5

Profile P4 - Profil P4

Nr.	D	B	d	Z	V	n _{max.}	Ref.
6	150	17	50	4		8900	278.042 •
2	150	7-13,5	50	4	4	8900	030.503
7	150	17	50	4		8900	278.043 •
4	320	15	50	3	3	3800	278.044 •
5	320	15	50	3	3	3800	278.045 •
6+2+7							278.040
4+5							278.041

- Under request - [Sur demande](#)



Doors profile and counter profile Profil et contre-profil de portes

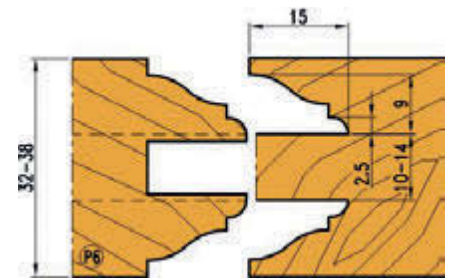
Profile P6 - Profil P6

Nr.	D	B	d	Z	V	n _{max.}	Ref.
1	150	17	50	4		8900	278.062 •
2	150	7-13,5	50	4	4	8900	030.503
3	150	17	50	4		8900	278.063 •
4	320	15	50	3	3	3800	278.064 •
5	320	15	50	3	3	3800	278.065 •
1+2+3							278.060
4+5							278.061

- Under request - [Sur demande](#)

MEC HW

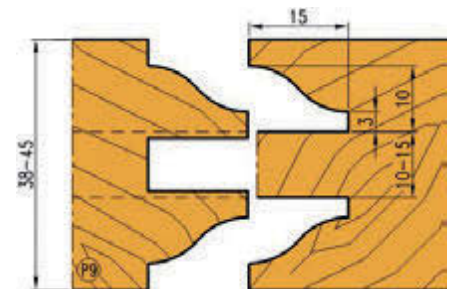
278



Profile P9 - Profil P9

Nr.	D	B	d	Z	V	n _{max.}	Ref.
1	150	17	50	4		8900	278.143 •
2	150	7-13,5	50	4	4	8900	030.503
3	150	17	50	4		8900	278.142 •
4	320	15	50	3	3	3800	278.144 •
5	320	15	50	3	3	3800	278.145 •
1+2+3							278.076
4+5							278.077

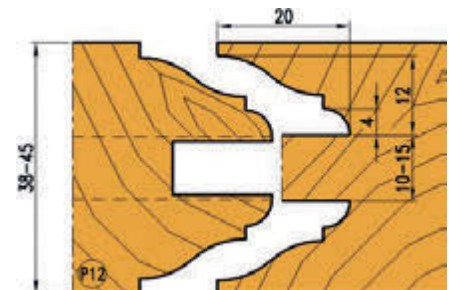
- Under request - [Sur demande](#)



Profile P12 - Profil P12

Nr.	D	B	d	Z	V	n _{max.}	Ref.
1	160	20	50	4		8900	278.552 •
2	150	7-13,5	50	4	4	8900	030.503
3	160	20	50	4		8900	278.553 •
4	320	17	50	3	3	3800	278.554 •
5	320	17	50	3	3	3800	278.555 •
1+2+3							278.550
4+5							278.551

- Under request - [Sur demande](#)



Doors profile and counter profile
Profil et contre-profil de portes

Nr.	D	B	d	Z	V	n _{min.-max.}	Ref.
1	140	20	50	3		5500-9500	570.301 ○
2	140	8	50	4	4	5500-9500	518.101
3	140	20	50	3		5500-9500	570.302 ○
4	302	20	50	3		2600-4400	570.303 ○
5	302	20	50	3		2600-4400	570.304 ○

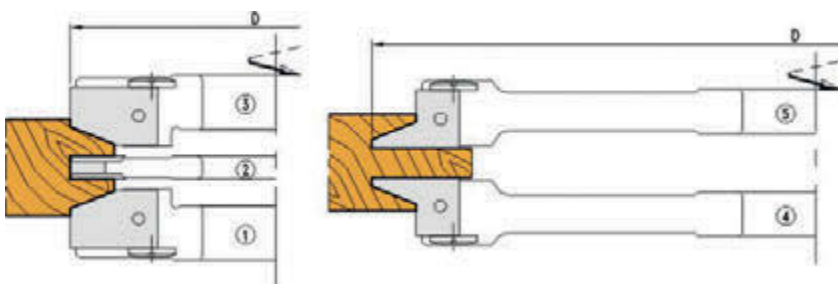
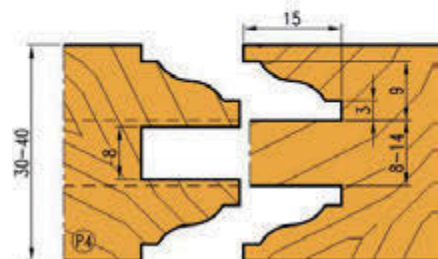
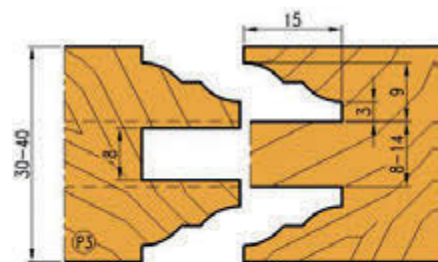
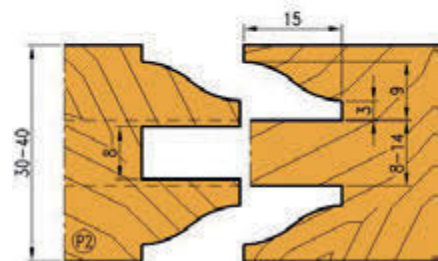
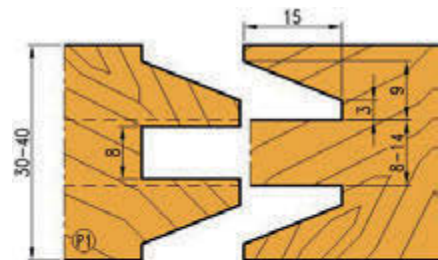
○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - <i>Plaquette</i>	1	20x30x2	P1 785.601
	3	20x30x2	P1 785.602
	4	20x30x2	P1 785.603
	5	20x30x2	P1 785.604
	1	20x30x2	P2 785.605
	3	20x30x2	P2 785.606
	4	20x30x2	P2 785.607
	5	20x30x2	P2 785.608
	1	20x30x2	P3 785.609
	3	20x30x2	P3 785.610
	4	20x30x2	P3 785.611
	5	20x30x2	P3 785.612
	1	20x30x2	P4 785.613
	3	20x30x2	P4 785.614
	4	20x30x2	P4 785.615
5	20x30x2	P4 785.616	
Clamping wedge - <i>Cale</i>	2	7,5x12x1,5	750.097
	1		707.080
	2		707.002.07
	3		707.081
	4		707.082
Screw - <i>Vis</i>		M5x16	705.582
		M8x16	705.542
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		T15	706.304
T Wrench - <i>Clé en T</i>		SW2,5(M5)	706.102
		SW4(M8)	706.104

MAN HW

570



Doors profile and counter profile Profil et contre-profil de portes

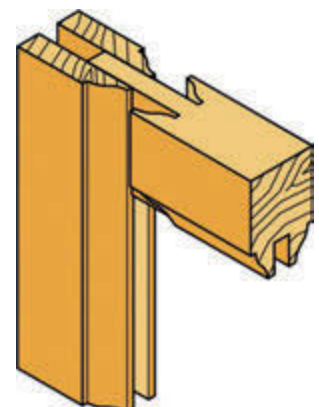
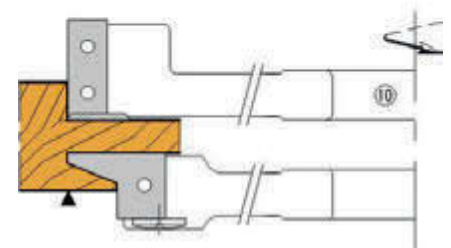
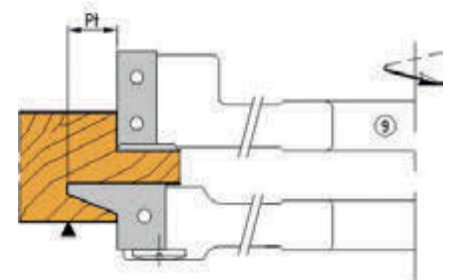
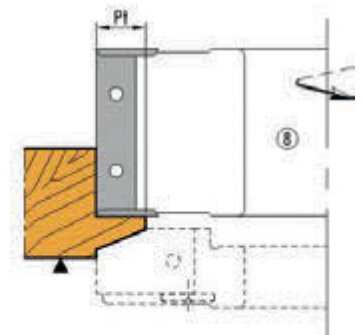
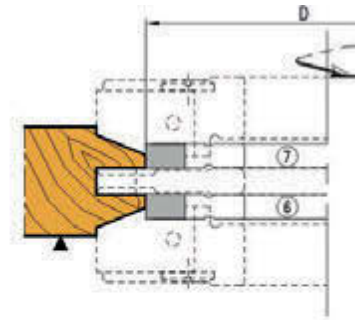
Nr.	D	B	d	Z	V	Pt	n _{min.-max.}	Ref.
6	110	7,6	50	3			6900-12000	570.305
7	110	7,6	50	3			6900-12000	570.306
8	132	30	50	3	3	11	5800-10000	570.307
8	132	50	50	3	3	11	5800-10000	570.308
8	140	50	50	4	4	15	5500-9500	536.401
9	272	30	50	3	3	15	2800-4800	550.253
9	280	30	50	3	3	11	2800-4700	550.353
10	302	30	50	3	3		2600-4400	550.453

Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - <i>Plaquette</i>	6/7	7,5x12x1,5	750.097
	9/10	30x12x1,5	750.104
	8	50x12x1,5	750.106
Clamping wedge - <i>Cale</i>	6/7		707.002.07
	9/10		707.130.30
	8		707.130.50
Screw - <i>Vis</i>	6/7	M6x12	705.533
		M8x16	705.542
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		T15	706.304
T Wrench - <i>Clé en T</i>		SW3	706.103
		SW4	706.104

MAN HW

570



Doors profile and counter profile Profil et contre-profil de portes

Nr.	D	B	d	Z	V	n min.-max.	Ref.
1	160	25	30/50	2		4800-8300	571.103 ○
2	160	8-15	30/50	4	4	4800-8300	538.801
3	160	25	30/50	2		4800-8300	571.102 ○
1+2+3							571.101

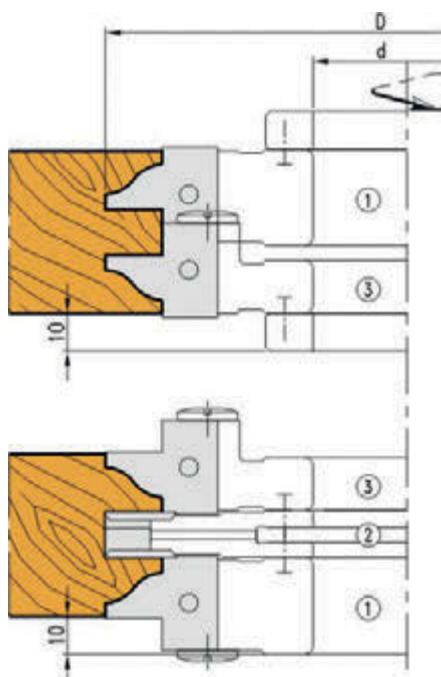
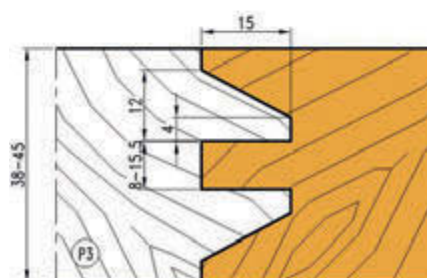
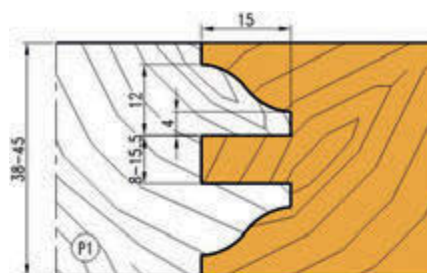
○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

	Nr.	Dim.		Ref.
Knife - Plaquette	1	30x25x2	P1	785.502
	3	30x25x2	P1	785.501
	1	30x25x2	P2	785.504
	3	30x25x2	P2	785.503
	1	30x25x2	P3	785.506
	3	30x25x2	P3	785.505
Clamping wedge - Cale	2	7,5x12x1,5		750.097
	1			707.531
	2			707.002.06
Screw - Vis	3			707.530
	2	M5x12		705.523
	1/3	M6x16		705.535
Spur - Araseurs		14x14x2		750.111
Torx screw - Vis Torx		M5x6		705.425
Torx wrench - Clé Torx		T15		706.304
T Wrench - Clé en T		SW2,5		706.102
		SW3		706.103

MAN HW

571



Doors profile and counter profile Profil et contre-profil de portes

Profile P1 - Profil P1

Nr.	D	B	d	Z	V	n min.-max.	Ref.
1	140	12	50	4		5500-9500	370.101
2	140	20	50	4	4	5500-9500	016.309
3	140	15	50	4		5500-9500	264.103
4	140	5	50	2	2	5500-9500	265.107
1+2							264.101
3+4							264.102

Profile P2 - Profil P2

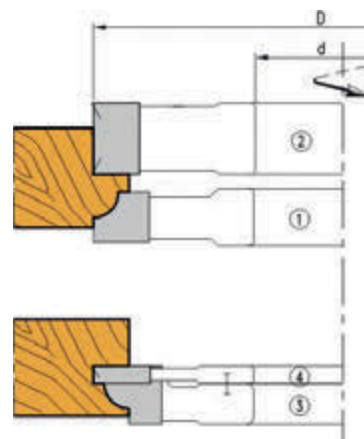
Nr.	D	B	d	Z	V	n min.-max.	Ref.
1	140	14	50	4		5500-9500	370.102
2	140	20	50	4	4	5500-9500	016.309
3	140	16,5	50	4		5500-9500	264.104
4	140	5	50	2	2	5500-9500	265.107
1+2							264.201
3+4							264.202

Profile P3 - Profil P3

Nr.	D	B	d	Z	V	n min.-max.	Ref.
1	140	12,5	50	4		5500-9500	265.103
2	140	20	50	4	4	5500-9500	016.309
3	140	15,5	50	4		5500-9500	265.105
4	140	5	50	2	2	5500-9500	265.107
1+2							265.101
3+4							265.102

MAN HW

264



Cutterset supplied with 4.5mm spacers (703.033).
Jeu fourni avec 4.5mm de bagues (703.033).

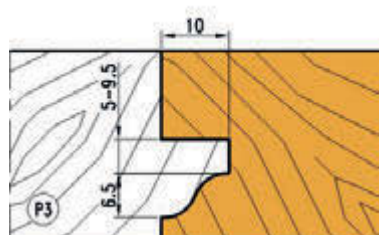
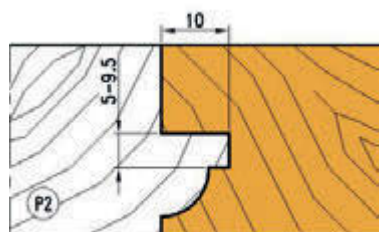
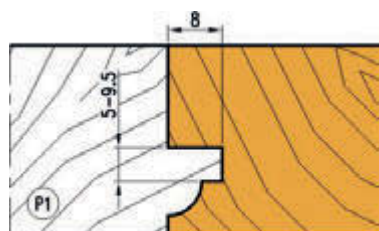


Photo Porama SA



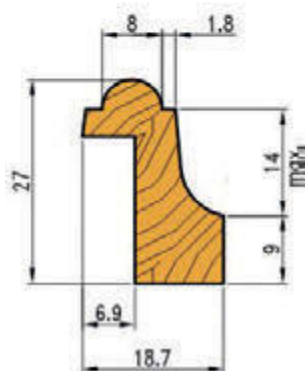
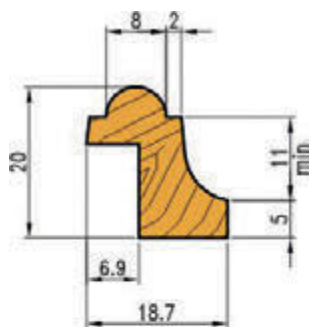
Profile cutterhead Porte-outils profil

Nr.	D	B	d	Z	n _{min.-max.}	Ref.
1	138	25	30/50	3	5600-9600	576.101 •
2	153	20	30/50	3	5000-8600	576.102 •
3	151	20	30/50	3	5000-8600	576.103 •

• Under request - [Sur demande](#)

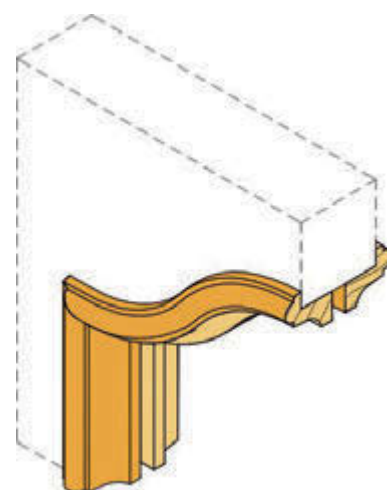
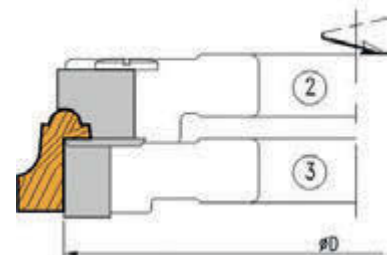
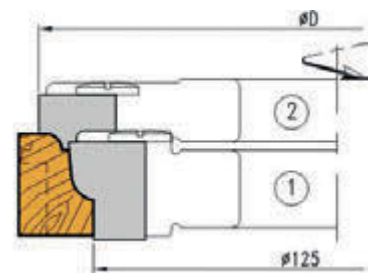
Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - Plaque	1	25x20x2	785.774
	2	20x20x2	785.775
	3	20x12x1,5	750.102
Clamping wedge - Cale	1		707.002.23
	2		707.576.01
	3		707.133.20
Screw - Vis		M8x16	705.542
Spur - Araseurs		14x14x2	750.111
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		T15	706.304
T Wrench - Clé en T		SW4	706.104



MEC HW

576

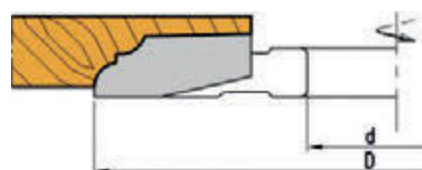


Panel raising cutterblock
Fraises plate-bande

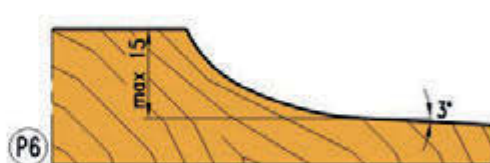
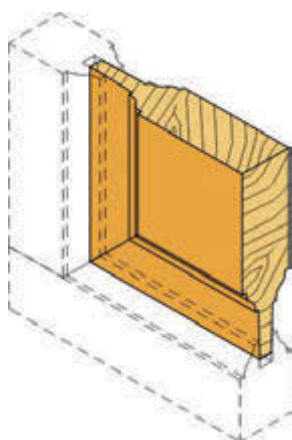
Nr.	D	B	d	Z	n ⁿ min.-max.	Ref.SUP
1	170	18	50	3	4500-7800	180.101
	210	20	50	3	3700-6300	180.127
2	170	16,5	50	3	4500-7800	180.102
	210	20	50	3	3700-6300	180.122
3	170	16,5	50	3	4500-7800	180.103
4	170	18	50	3	4500-7800	180.104
5	170	22	50	3	4500-7800	180.105
6	190	18	50	3	4300-7400	180.106
8	170	18	50	3	4500-7800	180.110
10	200	16	50	3	3900-6600	180.112
11	200	16	50	3	3900-6600	180.113

MAN HW

180



Inferior position on request (INF).
Position inférieure sur demande (INF).

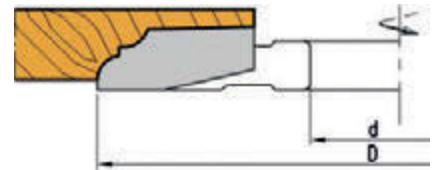


Panel raising cutterblock
Fraises plate-bande

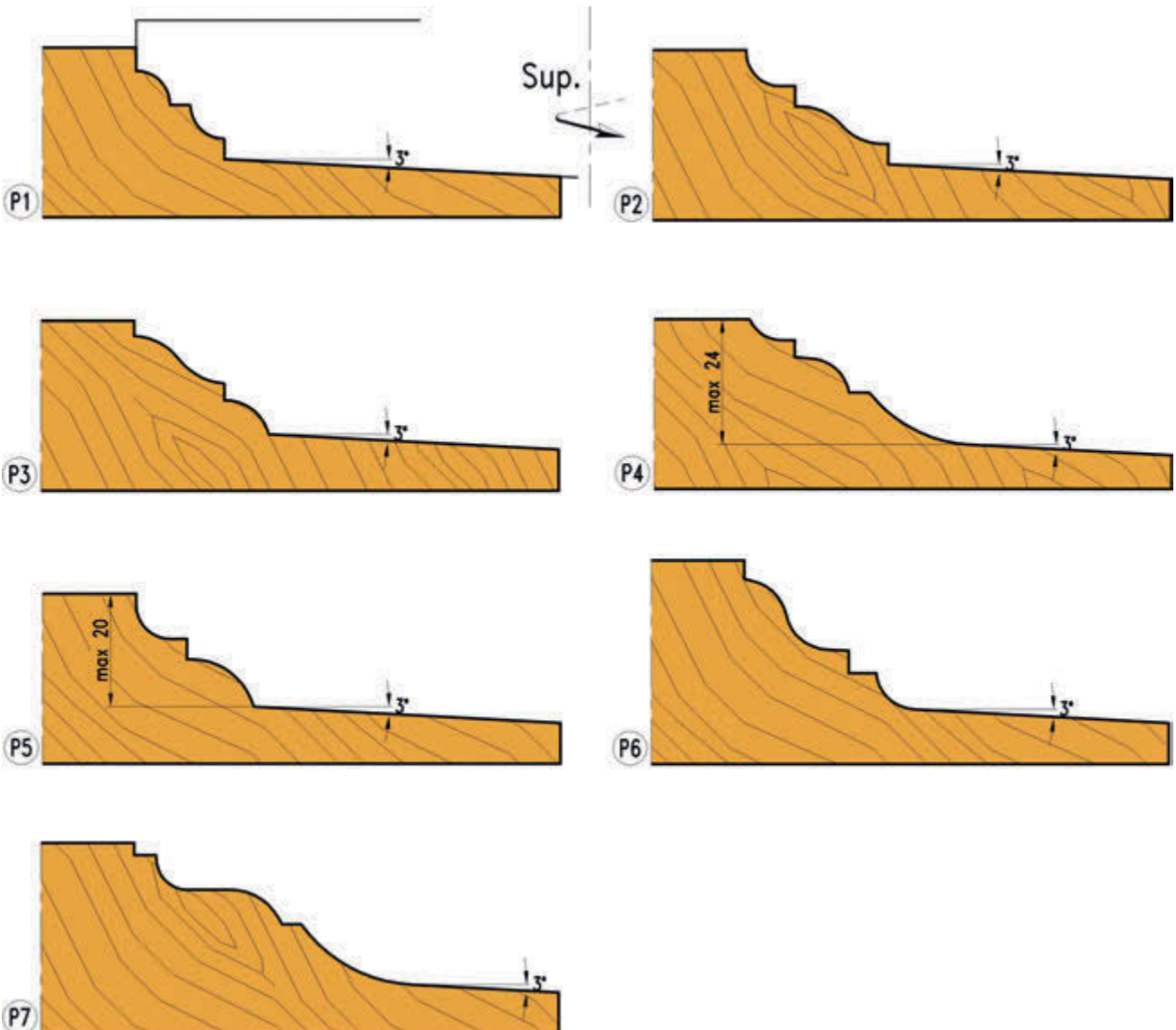
Nr.	D	B	d	Z	n _{min.-max.}	Ref.SUP
1	210	24	50	2+2	3700-6300	180.301
2	210	25	50	2+2	3700-6300	180.302
3	210	27	50	2+2	3700-6300	180.303
4	210	28	50	2+2	3700-6300	180.304
5	210	25	50	2+2	3700-6300	180.305
6	210	27,5	50	2+2	3700-6300	180.306
7	210	28	50	2+2	3700-6300	180.307

MAN HW

180



Inferior position on request (INF).
Position inférieur sur demande (INF).

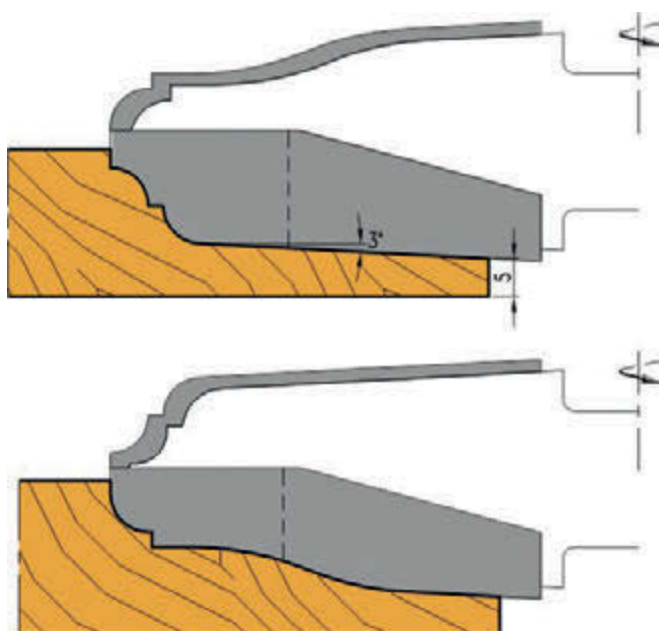


Panel raising cutterblock
Fraises plate-bande

D	B	d	Z	n ⁿ min.-max.	Ref.
210	33	50	4+4	3700-6300	180.502

MAN HW

180

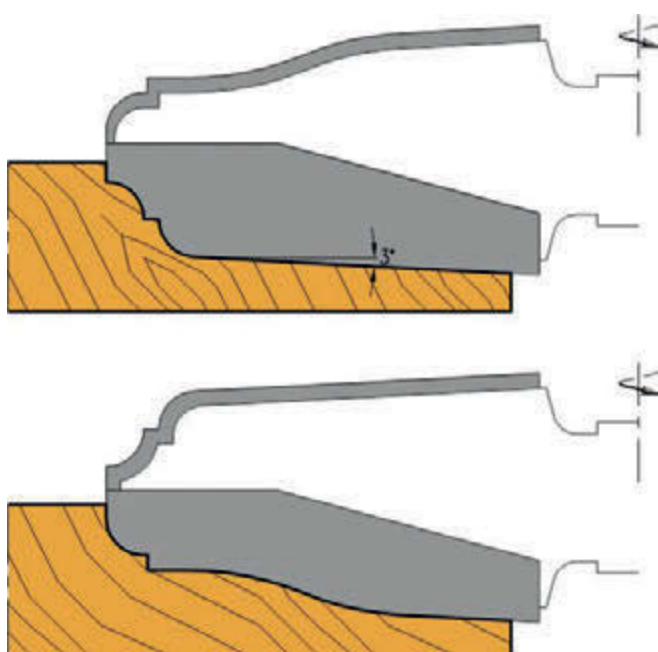


Panel raising cutterblock
Fraises plate-bande

D	B	d	Z	n ⁿ min.-max.	Ref.
180	33	30	2+2	4300-7400	184.101

MAN HW

184



Panel raising cutterhead Porte-outils plate-bande

D	B	d	Z	n min.-max.	Ref.SUP	Ref.INF
180	30	30/50	2+2	4300-7400	529.110	○ 529.111 ○

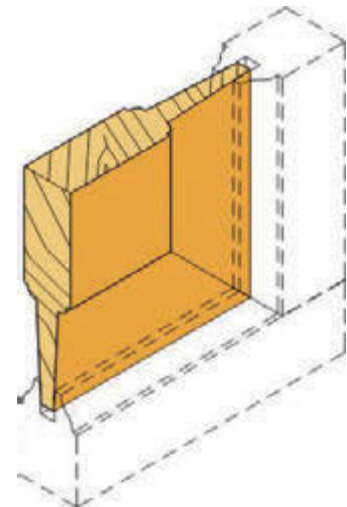
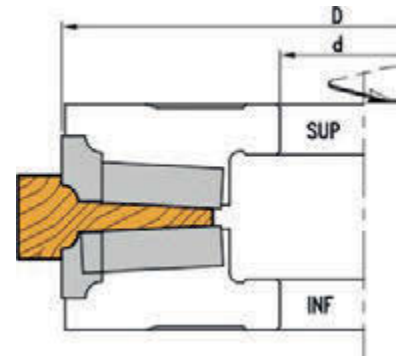
○ Cutterhead supplied without knives - [Porte-outils livré sans plaquettes](#)

Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - Plaquette	1	20x12x1,5	SUP 781.111
	2	20x12x1,5	781.112
	3	20x12x1,5	781.113
	1	20x12x1,5	INF 781.114
	2	20x12x1,5	781.115
	3	20x12x1,5	781.116
Clamping wedge - Cale			SUP 707.273
			INF 707.275
Knife - Plaquette		50x12x1,5	750.106
Clamping wedge - Cale			SUP 707.274
			INF 707.276
Screw - Vis		M8x16	705.542
T Wrench - Clé en T		SW4	706.104
Adjusting gauge - Calibre de réglage		1,0	717.302

MAN HW

529



Panel raising cutterhead Porte-outils plate-bande

D	B	d	Z	n min.-max.	Ref.SUP	Ref.INF
---	---	---	---	----------------	---------	---------

200	30	30/50	2+2	3900-6600	529.120	○ 529.121 ○
-----	----	-------	-----	-----------	---------	-------------

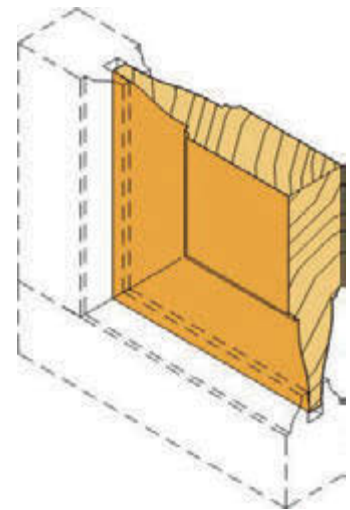
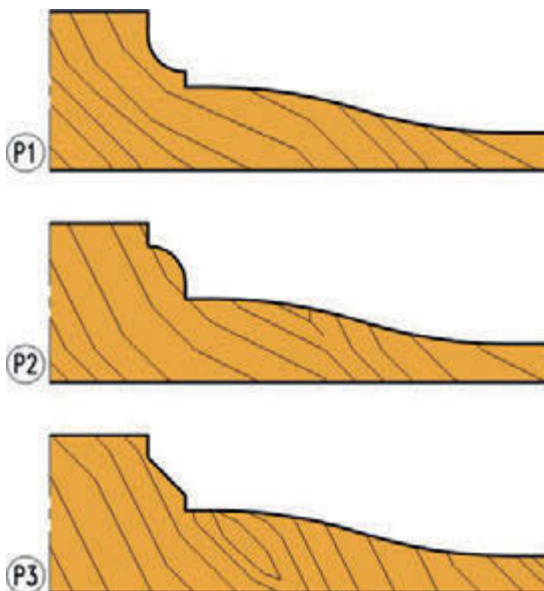
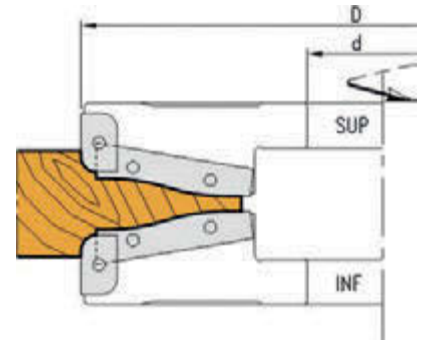
○ Cutterhead supplied without knives - [Porte-outils livré sans plaquettes](#)

Spare parts - Pièces de rechange

	Nr.	Dim.		Ref.
Knife - Plaquette	1	20x12x1,5	SUP	781.111
	2	20x12x1,5		781.112
	3	20x12x1,5		781.113
Clamping wedge - Cale	1	20x12x1,5	INF	781.114
	2	20x12x1,5		781.115
	3	20x12x1,5		781.116
Clamping wedge - Cale			SUP	707.273
			INF	707.275
Knife - Plaquette		60x12x1,5	SUP	781.120
		60x12x1,5	INF	781.121
Clamping wedge - Cale			SUP	707.272
			INF	707.277
Screw - Vis		M8x16		705.542
T Wrench - Clé en T		SW4		706.104
Adjusting gauge - Calibre de réglage		1,0		717.302

MAN HW

529



Panel raising cutterhead Porte-outils plate-bande

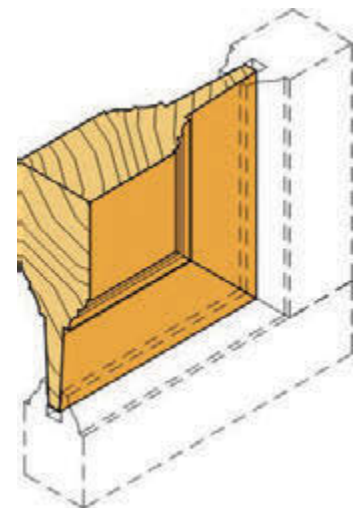
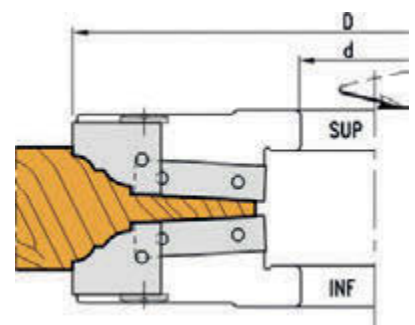
D	B	d	Z	n _{min.-max.}	Ref.SUP	Ref.INF
205	30	30/50	2+2	3700-6300	529.510	529.511
○ Cutterhead supplied without knives - Porte-outils livré sans plaquettes						

Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - Plaquette	1	25x30x2	SUP 782.501
	2	25x30x2	782.502
	3	25x30x2	782.503
	4	25x30x2	782.504
Knife - Plaquette	1	25x30x2	INF 782.505
	2	25x30x2	782.506
	3	25x30x2	782.507
	4	25x30x2	782.508
Clamping wedge - Cale			SUP 707.561
			INF 707.953
Knife - Plaquette		50x12x1,5	750.106
Clamping wedge - Cale			SUP 707.144
			INF 707.139
Screw - Vis		M8x16	705.542
		M10x16	705.551
T Wrench - Clé en T		SW4	706.104
		SW5	706.105

MAN HW

529

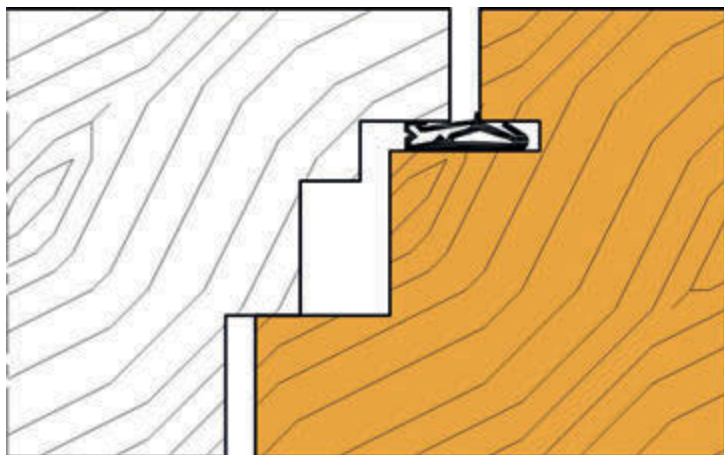


Cutterhead set for double rebate and rubber seal
Porte-outils pour cadres de portes avec ou sans joint

Nr.	D	B	d	Z	V	l	n _{min.-max.}	Ref.
1	154	30	50	2	2	2	5000-8600	517.212
2	130	50	50	2	2		5800-10000	517.211
3	160	30	50	2	2		4800-8200	517.213
4	140	30	50	2	2		5500-9500	517.214
5	124	30	50	2	2		6400-11100	517.215

Spare parts - Pièces de rechange

	Dim.	Ref.	
Knife - <i>Plaque</i>	30x12x1,5	750.104	
	50x12x1,5	750.106	
Clamping wedge - <i>Cale</i>	1/3/4/5	707.002.28	
	2	707.002.48	
Screw - <i>Vis</i>	M8x16	705.542	
Spur - <i>Araseurs</i>	14x14x2	2	750.111
Torx screw - <i>Vis Torx</i>	M5x6	705.425	
Torx wrench - <i>Clé Torx</i>	T15	706.304	
Groover - <i>Rainureuse</i>	17x35x4	783.120	
	17x35x4	783.121	
Screw - <i>Vis</i>	M5x13,5	705.318	
T Wrench - <i>Clé en T</i>	SW3	706.103	
	SW4	706.104	



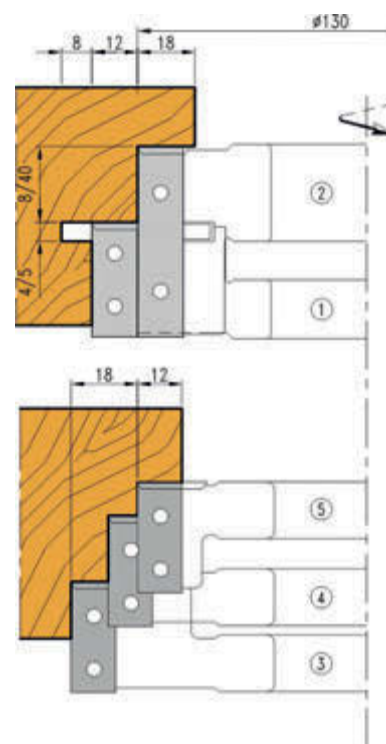
MAN HW

517



Cutterhead supplied with 4mm groove .
 5mm groove under request.

Porte-outils fournis avec rainureuse 4mm.
 Rainureuse 5mm sur demande.



Hardware grooving cutterhead

Porte-outils pour emplacement de crémones

D	B	d	Z	V	n ⁿ min.-max.	Ref.
184	16,3	30/60	2+2	4+4	4200-7200	597.101
200	16,3	30/60	2+2	4+4	3800-6500	597.103

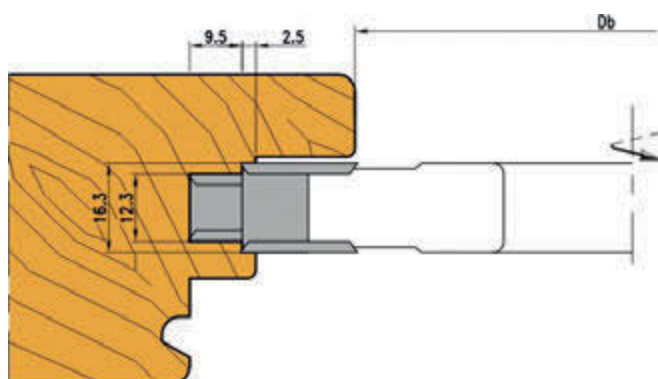
MAN HW

597



Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	12x12x1,5	754.102
	16x12x1,5	750.206
Clamping wedge - Cale		707.002.10
		707.002.13
Screw - Vis	M8x16	705.542
Spur - Araseurs	14x14x2	750.111
Torx screw - Vis Torx	M5x6	705.425
Torx wrench - Clé Torx	T15	706.304
T Wrench - Clé en T	SW4	706.104



Hardware grooving cutterhead Porte-outils pour emplacement de crémones

Nr.	D	B	d	Z	V	I+C	n _{min.-max.}	Ref.
1	136	15	50	2		2	5700-9800	596.101
2	180	22	50	2	4		4200-7200	596.102
3	136	15	50	2		2	5700-9800	596.103
4	220	22	50	2+2	4+4		3500-6000	596.104
5	244	22	50	2	4		3100-5300	596.105
6	200	22	50	2+2	8		3900-6900	596.106
7	220	22	50	2+2	8		3500-6300	596.107
8	224	22	50	2	4		3400-6200	596.108
9	136	30	50	2		2+2	5700-10200	596.109
10	198	22	50	2+2	8		3900-7000	596.110
11	136	10	50	2	2	2	5700-10200	596.111
12	144	20	50	2			5400-9600	596.112
13	222	22	50	2	4		3500-6200	596.113
14	182	26	50	2	2	2	4300-7600	596.114
15	171	60	50	2		2	4800-8700	596.115

MAN HW

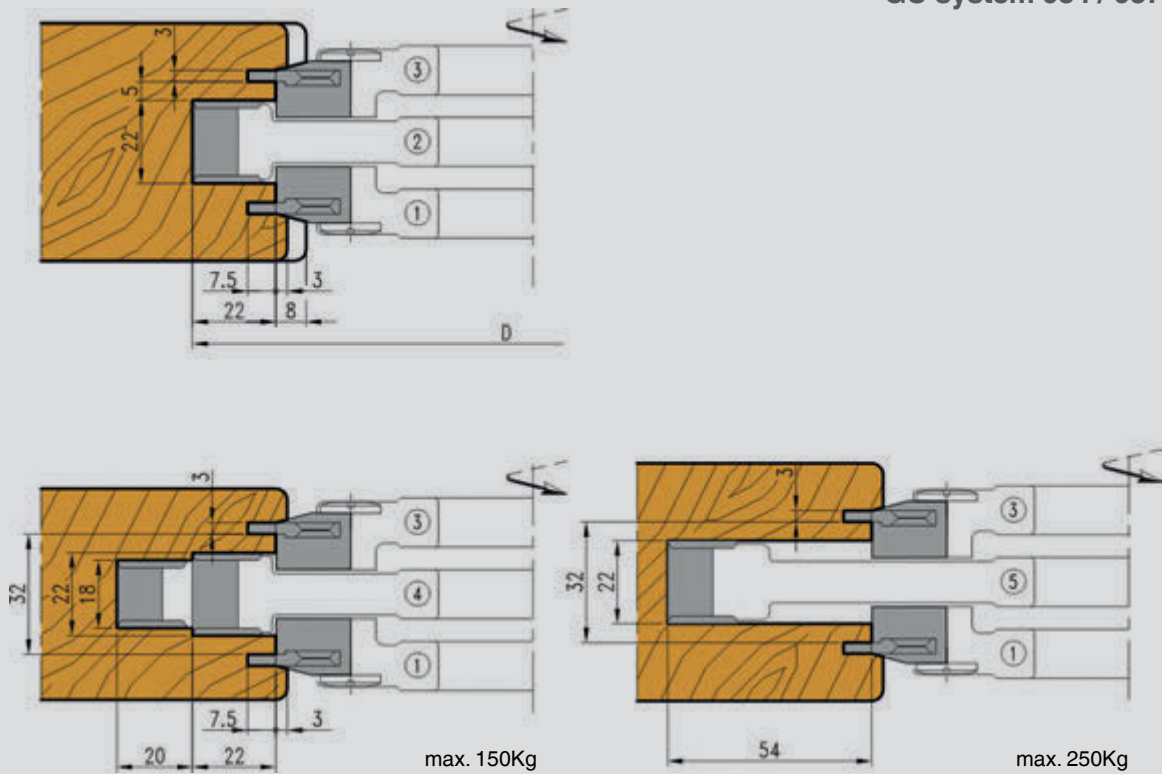
596



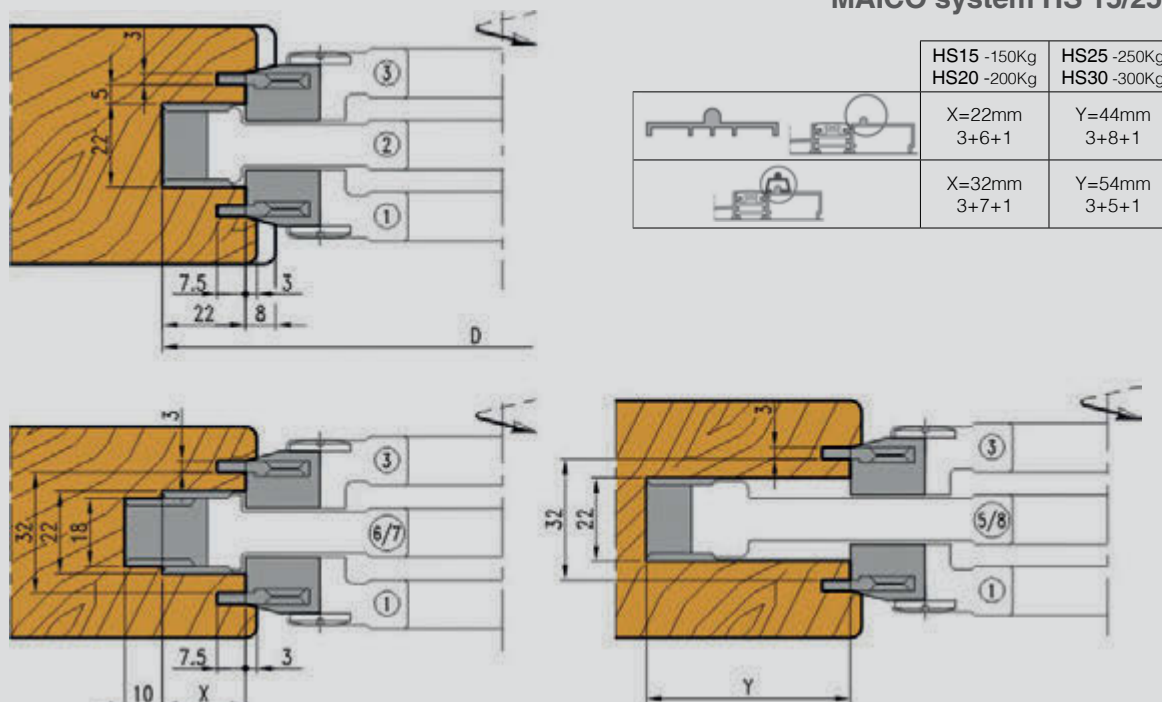
Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - Plaquette	11	9,6x12x1,5	750.098
	1	15x12x1,5	785.781
	3	15x12x1,5	785.782
	10/4/6/7	17,6x12x1,5	750.205
	2/4/5/8/10/13	21,6x12x1,5	750.204
	9	30x20x2	785.800
	12	20x30x2	785.670
	14	26x35x2	785.671
	15	60x25x2	785.672
	Clamping wedge - Cale	11	
1			707.281
3			707.282
4/6/7/10			707.002.15
2/4/5/10/13			707.002.20
9			707.553
12			707.596.01
14			707.596.02
Screw - Vis	11	M6x16	705.535
		M8x16	705.542
		14x14x2	750.111
Spur - Araseurs		14x14x2	750.111
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		T15	706.304
Groover - Rainureuse	1/3/9/11	35x17x3	783.109
Screw - Vis		M5x13,5	705.318
T Wrench - Clé en T		SW3	706.103
		SW4	706.104

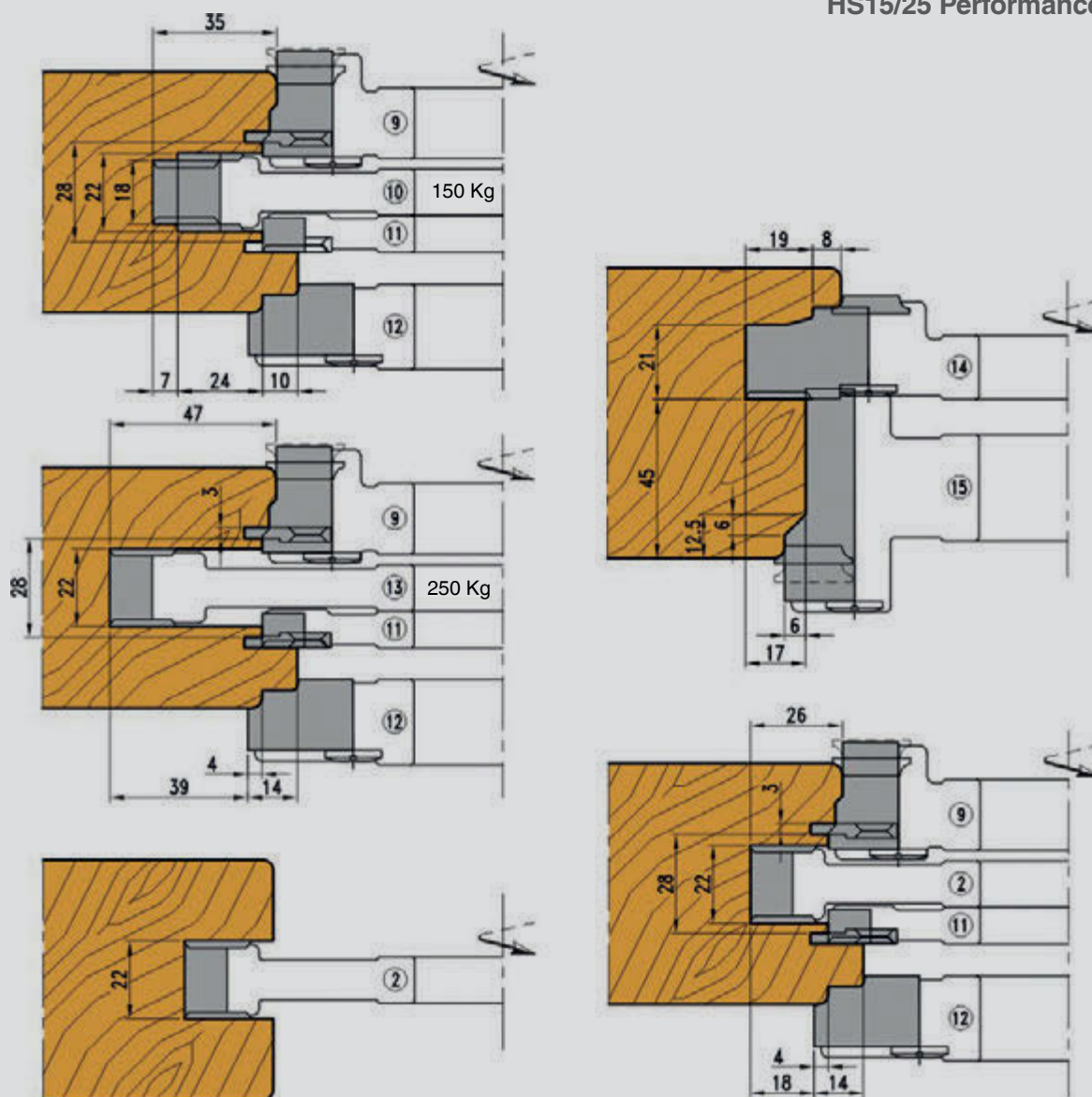
GU system 934 / 937



SIEGENIA system HS 20/30
 MAICO system HS 15/25



Maico system
HS15/25 Performance

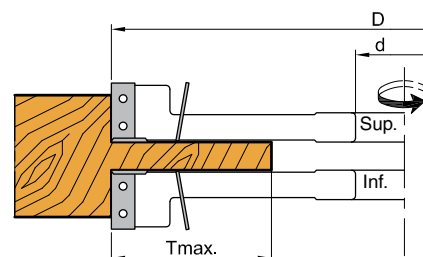


Tenoning cutterhead Porte-outils à tenonner

D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.INF	Ref.SUP
250	20	50	3	3	90	3100-5300	550.101	550.151
	25	50	3	3	90	3100-5300	550.102	550.152
	30	50	3	3	90	3100-5300	550.103	550.153
	40	50	3	3	90	3100-5300	550.104	550.154
272	30	50	3	3	100	2800-4900	550.203	550.253
	40	50	3	3	100	2800-4900	550.204	550.254
280	20	50	3	3	105	2800-4700	550.301	550.351
	25	50	3	3	105	2800-4700	550.302	550.352
	30	50	3	3	105	2800-4700	550.303	550.353
	40	50	3	3	105	2800-4700	550.304	550.354
300	20	50	3	3	115	2600-4400	550.501	550.551
	25	50	3	3	115	2600-4400	550.502	550.552
	30	50	3	3	115	2600-4400	550.503	550.553
	40	50	3	3	115	2600-4400	550.504	550.554
302	30	50	3	3	115	2600-4400	550.403	550.453
	40	50	3	3	115	2600-4400	550.404	550.454
320	20	50	3	3	125	2400-4100	550.701	550.751
	25	50	3	3	125	2400-4100	550.702	550.752
	30	50	3	3	125	2400-4100	550.703	550.753
	40	50	3	3	125	2400-4100	550.704	550.754

MAN HW

550



Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaque	20x12x1,5	750.102
	24,7x12x1,5	750.103
	30x12x1,5	750.104
	40x12x1,5	750.105
Clamping wedge - Cale		INF 707.133.20
		707.133.25
		707.133.30
		707.133.40
	SUP 707.130.20	
	707.130.25	
	707.130.30	
	707.130.40	
Screw - Vis	M8x16	705.542
Spur - Araseurs	14x14x2	750.111
Torx screw - Vis Torx	M5x6	705.425
Torx wrench - Clé Torx	T15	706.304
T Wrench - Clé en T	SW4	706.104

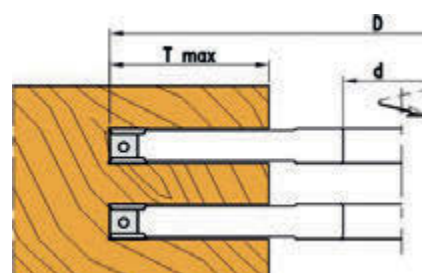


Tenoning cutterhead Porte-outils à tenonner

D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref.
250	8	30/50	3	6	80	3100-5300	583.151
	10	30/50	3	6	80	3100-5300	583.152
	12	30/50	3	6	80	3100-5300	583.153
	15	30/50	3	6	80	3100-5300	583.154
	20	30/50	3	6	80	3100-5300	583.155
272	8	30/50	3	6	90	2800-4900	583.251
	10	30/50	3	6	90	2800-4900	583.252
	12	30/50	3	6	90	2800-4900	583.253
	15	30/50	3	6	90	2800-4900	583.254
	20	30/50	3	6	90	2800-4900	583.255
280	8	30/50	3	6	95	2800-4700	583.351
	10	30/50	3	6	95	2800-4700	583.352
	12	30/50	3	6	95	2800-4700	583.353
	15	30/50	3	6	95	2800-4700	583.354
	20	30/50	3	6	95	2800-4700	583.355
302	8	30/50	3	6	110	2600-4400	583.451
	10	30/50	3	6	110	2600-4400	583.452
	12	30/50	3	6	110	2600-4400	583.453
	15	30/50	3	6	110	2600-4400	583.454
	20	30/50	3	6	110	2600-4400	583.455

MAN HW

583



Spare parts - Pièces de rechange

	B	Dim.	Ref.
Knife - <i>Plaquette</i>		7,5x12x1,5	750.097
		9,6x12x1,5	750.098
		11,6x12x1,5	750.099
		14,6x12x1,5	750.201
		19,6x12x1,5	750.208
Clamping wedge - <i>Cale</i>			707.002.07
			707.002.08
			707.002.10
			707.002.13
			707.002.18
Screw - <i>Vis</i>	8	M5x12	705.523
	10	M6x16	705.535
	12/20	M8x16	705.542
Spur - <i>Araseurs</i>		14x14x2	750.111
Torx screw - <i>Vis Torx</i>		M5x6	705.425
Torx wrench - <i>Clé Torx</i>		T15	706.304
T Wrench - <i>Clé en T</i>		SW2	706.102
		SW3	706.103
		SW4	706.104

Tenoning cutterblock Fraise à tenonner

D	B	d	Z	V	T _{max.}	n _{min.-max.}	Ref. HS	Ref. HW
250	18	50	3	3	90	3100-5300	■ 054.251 • 054.151 •	
	24	50	3	3	90	3100-5300	■ 054.252 • 054.152 •	
	30	50	3	3	90	3100-5300	■ 054.253 • 054.153 •	
	40	50	3	3	90	3100-5300	■ 054.254 • 054.154 •	
250	18	50	3	3	90	3100-5300	■ 054.201 • 054.101 •	
	24	50	3	3	90	3100-5300	■ 054.202 • 054.102 •	
	30	50	3	3	90	3100-5300	■ 054.203 • 054.103 •	
	40	50	3	3	90	3100-5300	■ 054.204 • 054.104 •	
300	18	50	3	3	115	2600-4400	■ 054.651 • 054.551 •	
	24	50	3	3	115	2600-4400	■ 054.652 • 054.552 •	
	30	50	3	3	115	2600-4400	■ 054.653 • 054.553 •	
	40	50	3	3	115	2600-4400	■ 054.654 • 054.554 •	
300	18	50	3	3	115	2600-4400	■ 054.601 • 054.501 •	
	24	50	3	3	115	2600-4400	■ 054.602 • 054.502 •	
	30	50	3	3	115	2600-4400	■ 054.603 • 054.503 •	
	40	50	3	3	115	2600-4400	■ 054.604 • 054.504 •	
320	18	50	3	3	125	2400-4100	■ 054.851 • 054.751 •	
	24	50	3	3	125	2400-4100	■ 054.852 • 054.752 •	
	30	50	3	3	125	2400-4100	■ 054.853 • 054.753 •	
	40	50	3	3	125	2400-4100	■ 054.854 • 054.754 •	
320	18	50	3	3	125	2400-4100	■ 054.801 • 054.701 •	
	24	50	3	3	125	2400-4100	■ 054.802 • 054.702 •	
	30	50	3	3	125	2400-4100	■ 054.803 • 054.703 •	
	40	50	3	3	125	2400-4100	■ 054.804 • 054.704 •	

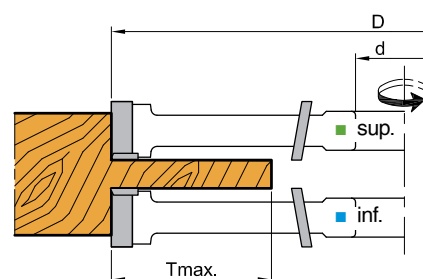
• Under request - [Sur demande](#)

MEC HS
HW

054



- Top cutting position.
Position de coupe supérieure.
- Bottom cutting position.
Position de coupe inférieure.



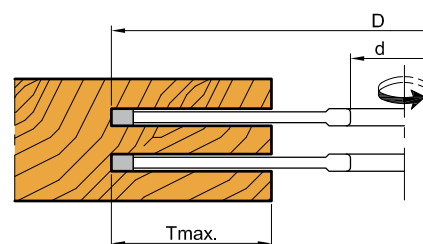
Tenoning cutterblock Fraise à tenonner

D	B	d	Z	T _{max.}	n _{min.-max.}	Ref. HS	Ref. HW
250	8	50	3	90	3100-5300	055.401 • 055.301 •	
	10	50	3	90	3100-5300	055.402 • 055.302 •	
	12	50	3	90	3100-5300	055.417 • 055.317 •	
	15	50	3	90	3100-5300	055.404 • 055.304 •	
272	8	50	3	100	2800-4900	055.405 • 055.305 •	
	10	50	3	100	2800-4900	055.406 • 055.306 •	
	12	50	3	100	2800-4900	055.407 • 055.307 •	
	15	50	3	100	2800-4900	055.408 • 055.308 •	
280	8	50	3	105	2800-4700	055.409 • 055.309 •	
	10	50	3	105	2800-4700	055.410 • 055.310 •	
	12	50	3	105	2800-4700	055.411 • 055.311 •	
	15	50	3	105	2800-4700	055.412 • 055.312 •	
302	8	50	3	115	2600-4400	055.413 • 055.313 •	
	10	50	3	115	2600-4400	055.414 • 055.314 •	
	12	50	3	115	2600-4400	055.415 • 055.315 •	
	15	50	3	115	2600-4400	055.416 • 055.316 •	

• Under request - [Sur demande](#)

MEC HS
HW

055



Cutterhead sets for window production Porte-outils pour fenêtres

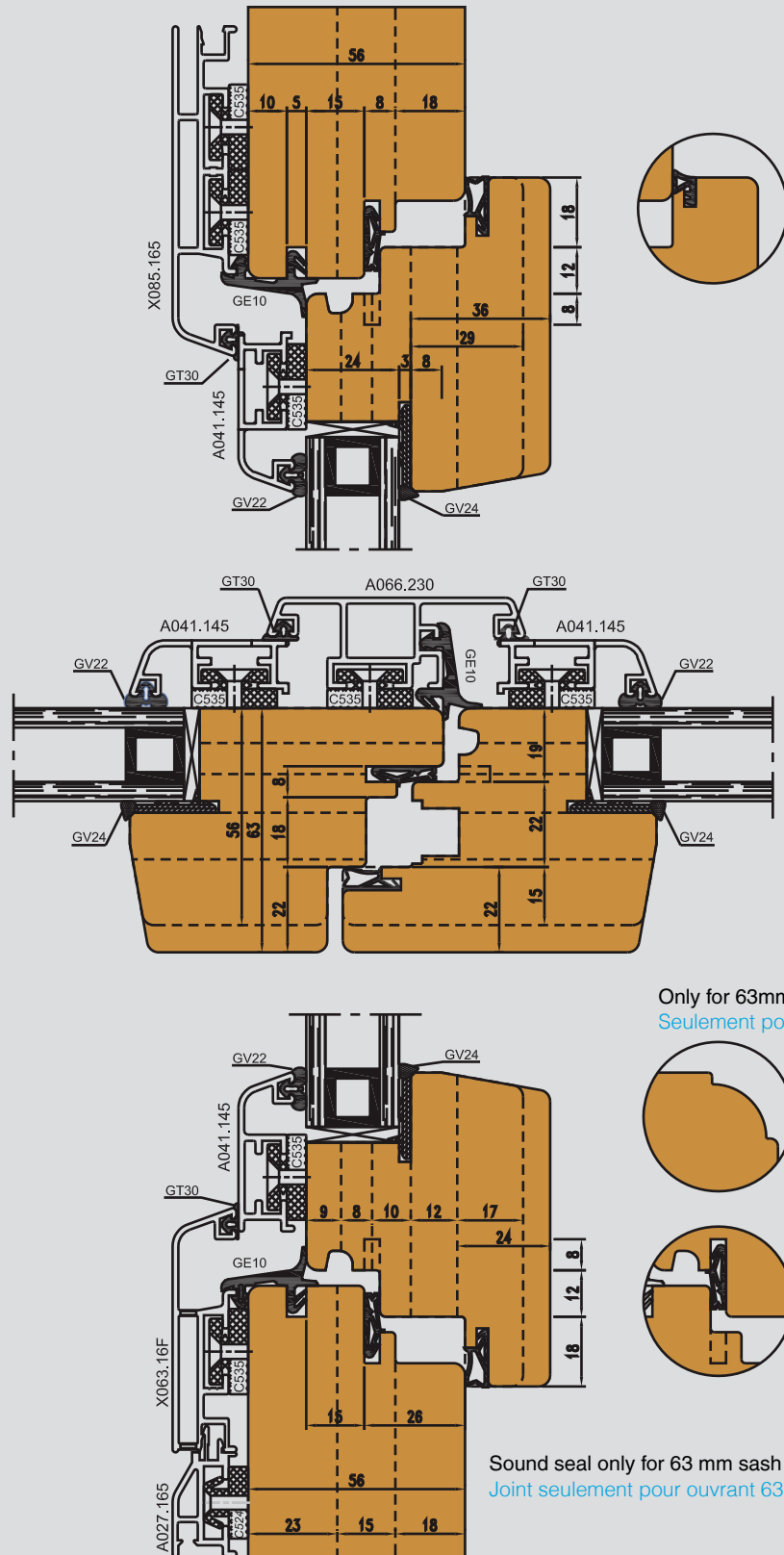


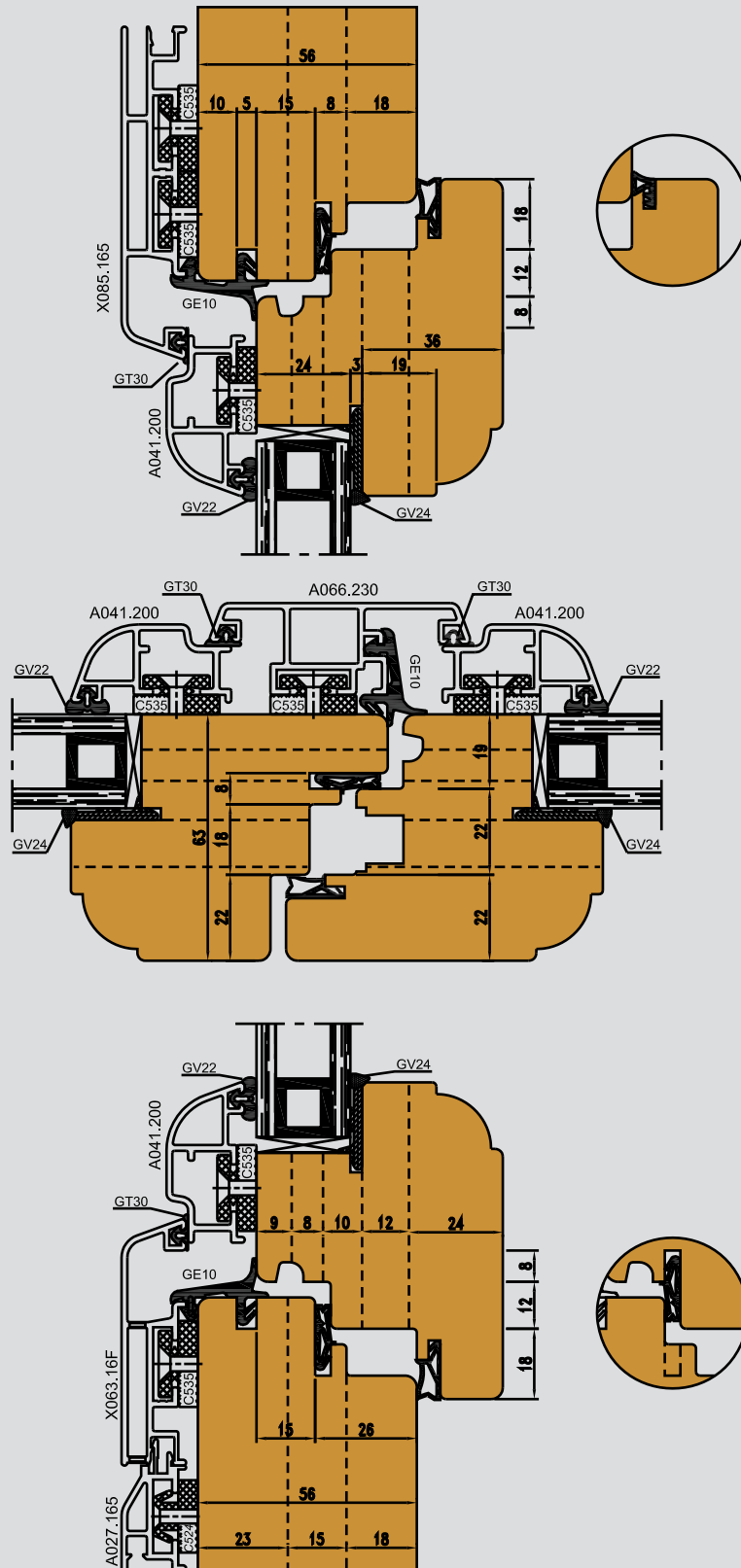
Window tooling for all types of machinery (hand or mechanical feed).
Cutterhead sets mounted on sleeve with base diameter and height. Technical
characteristic according to the machine and working conditions.

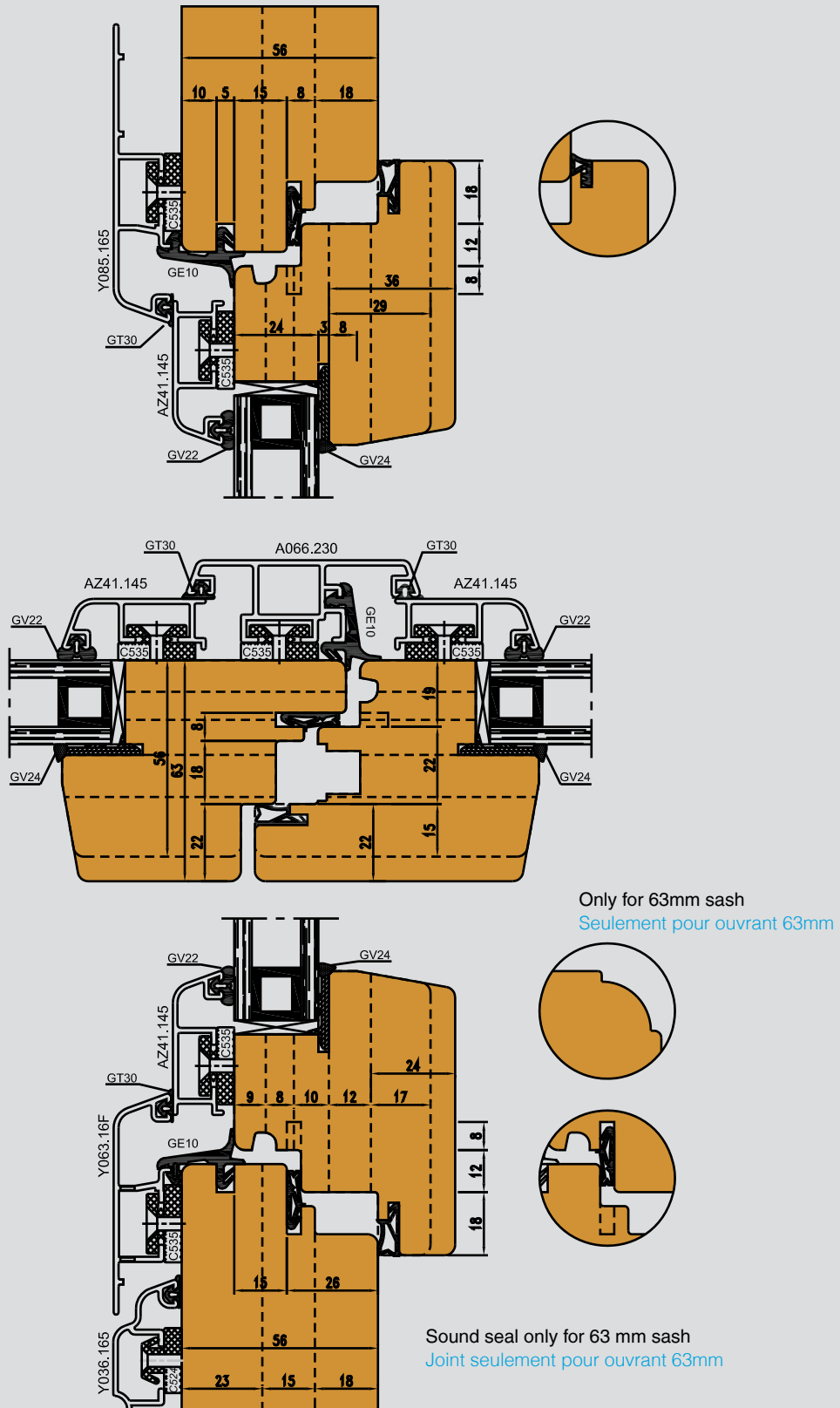
Outillage pour la fabrication de fenêtre sur tout genre de machines (avance ma-
nuelle et mécanisée).

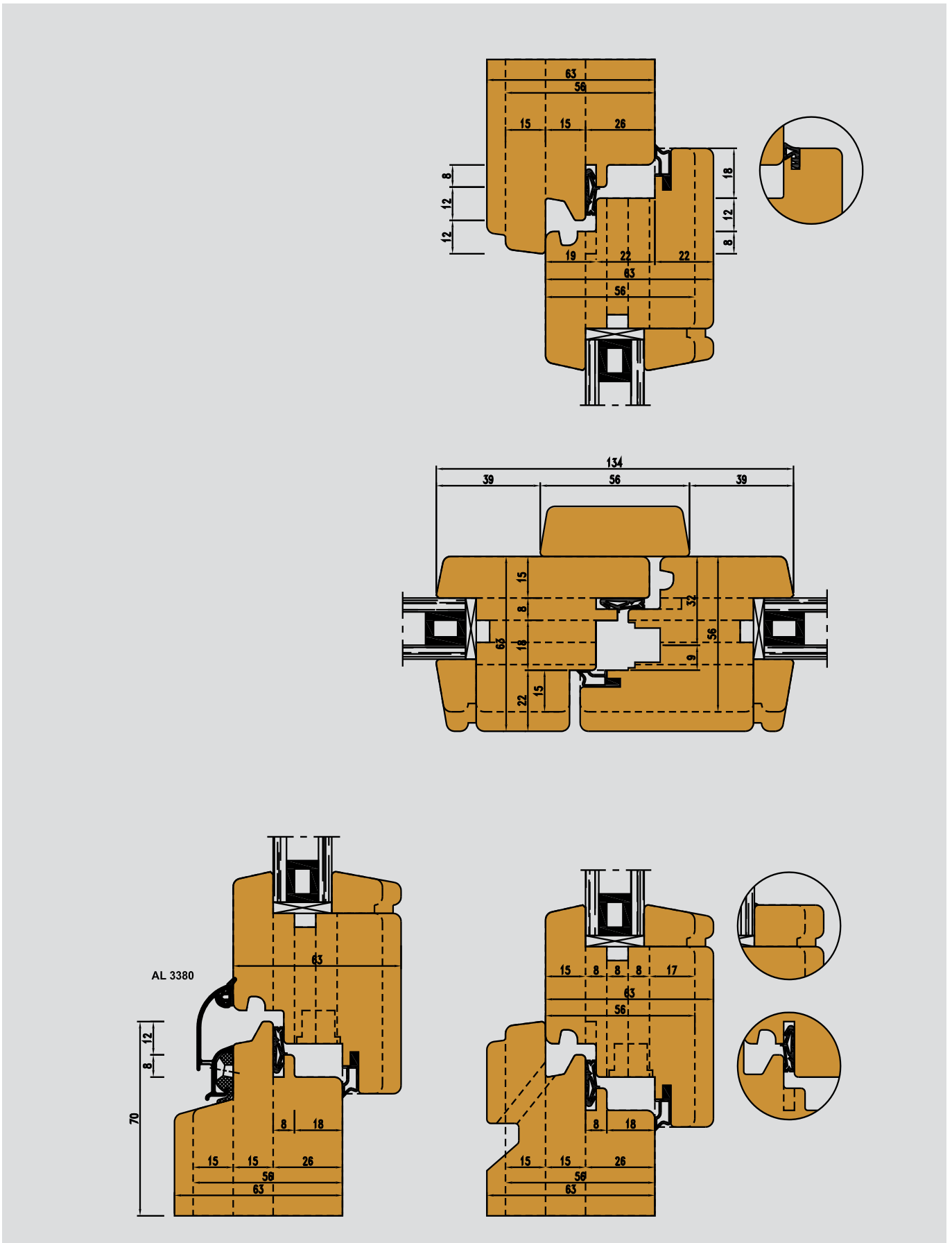
Jeux de porte-outils montée sur manchon avec diamètre et cote de base. Ca-
ractéristiques techniques calculées en fonction de la machine et des conditions
de travail.

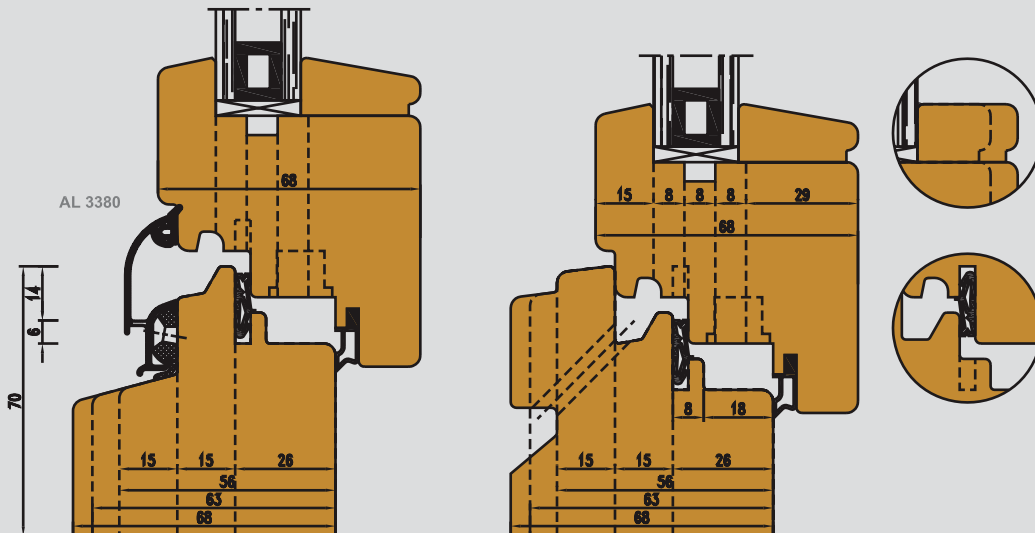
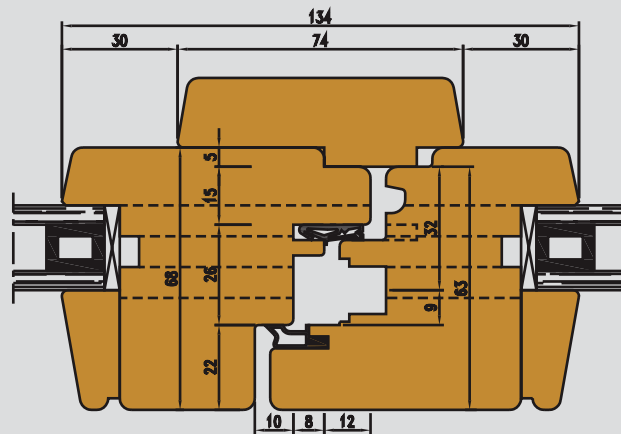
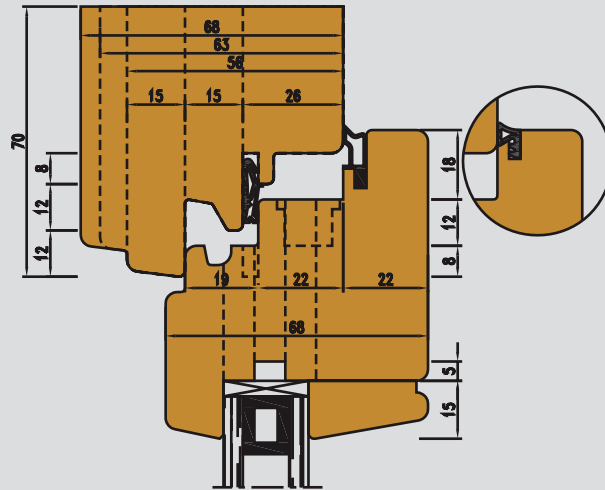




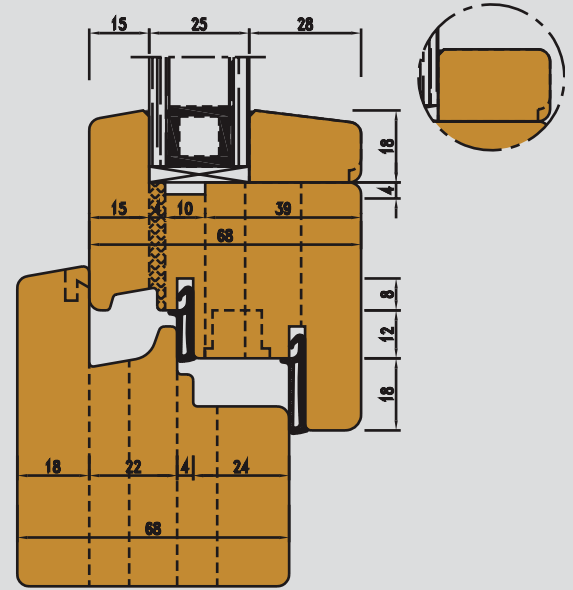
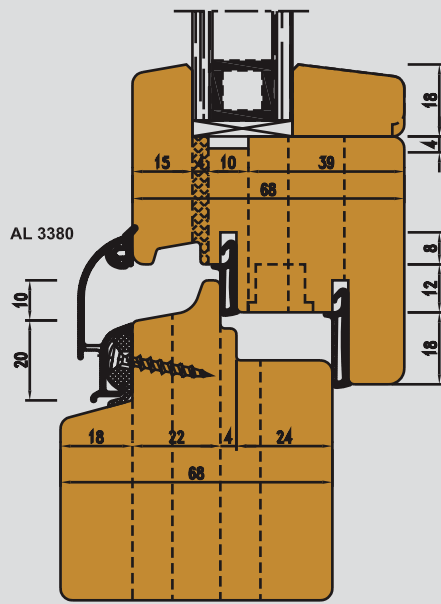
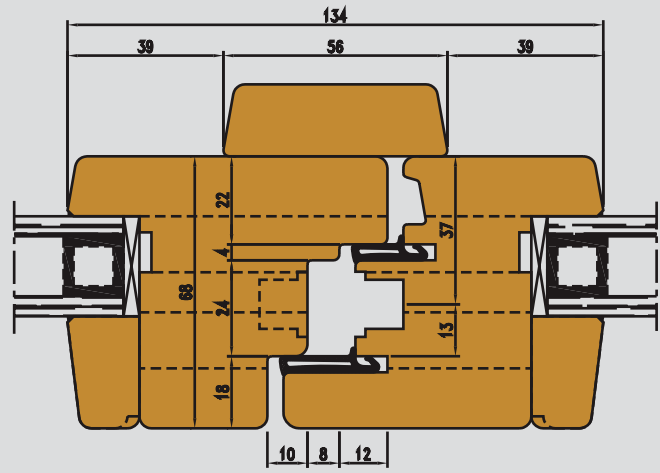
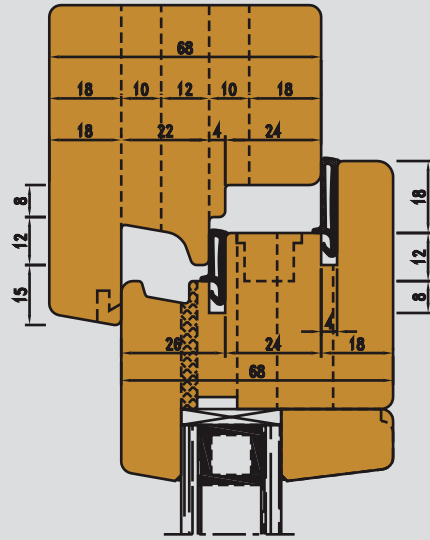




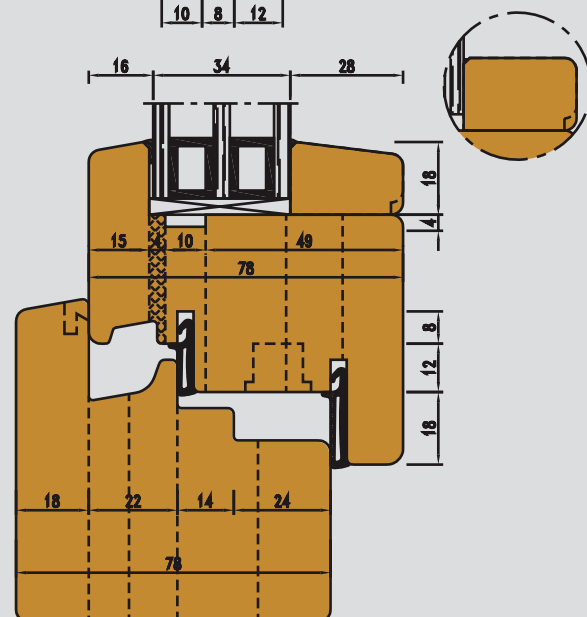
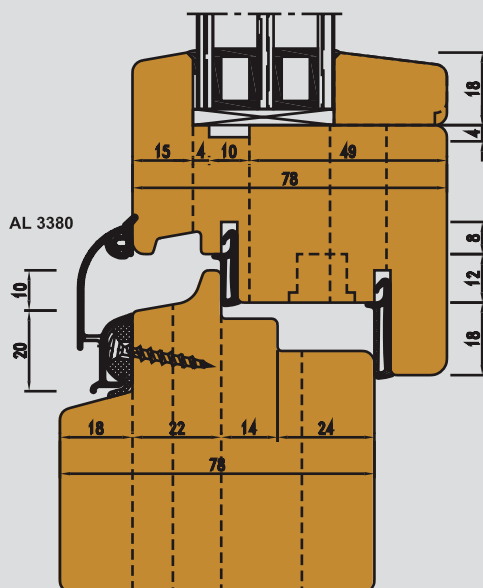
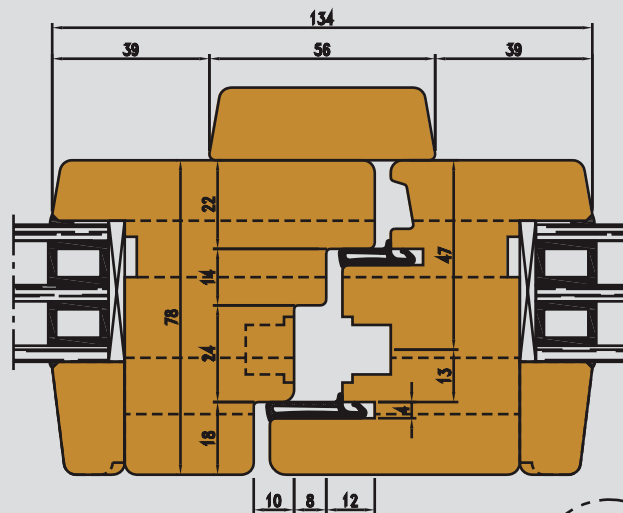
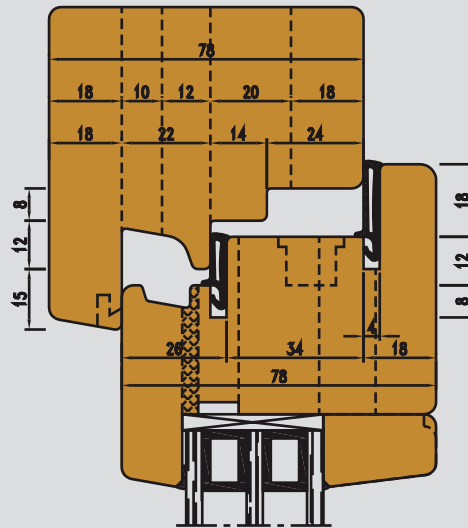


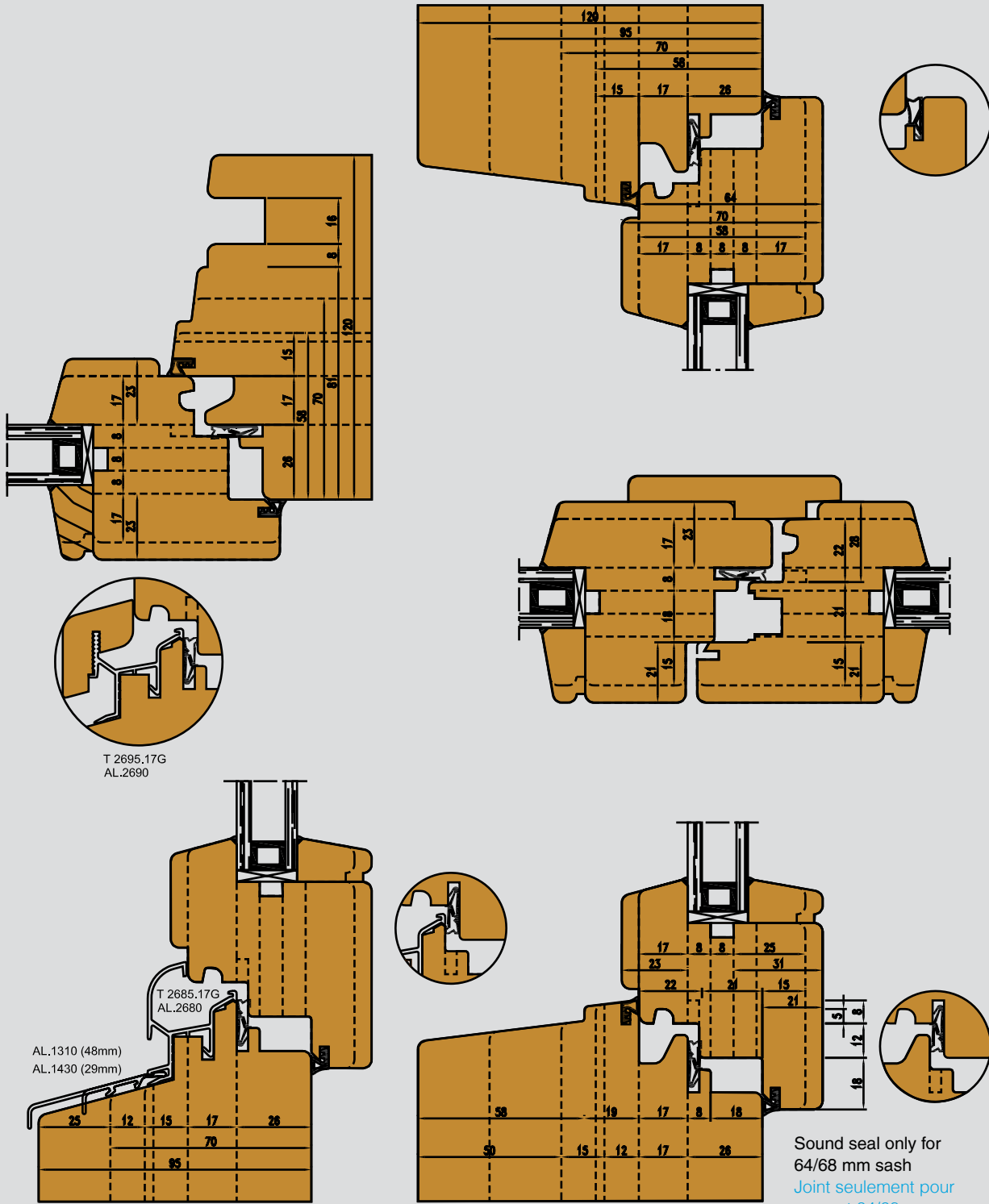


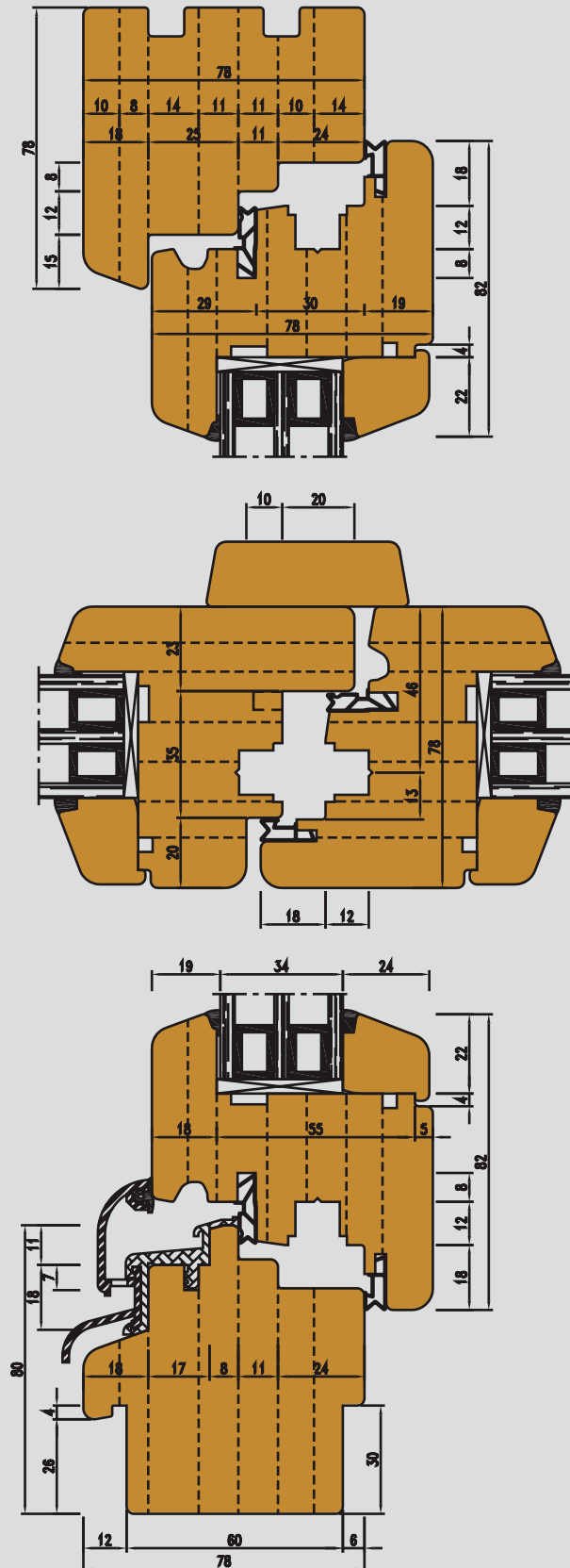
Version 68 - Version 68

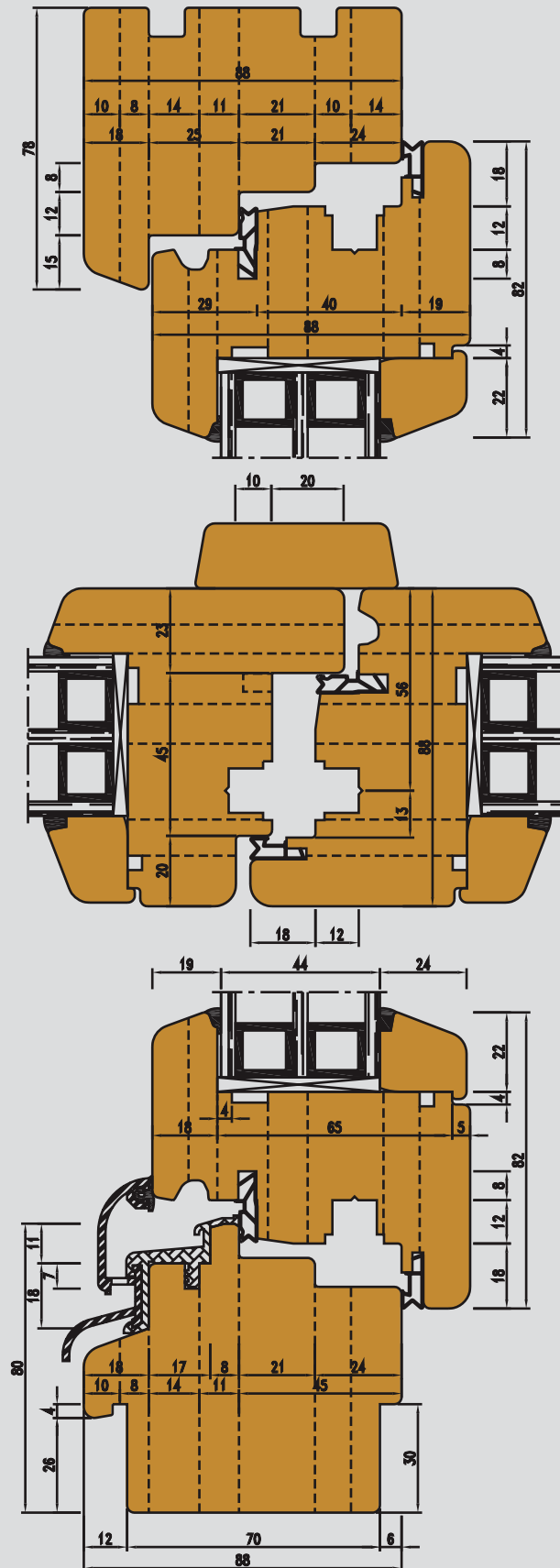


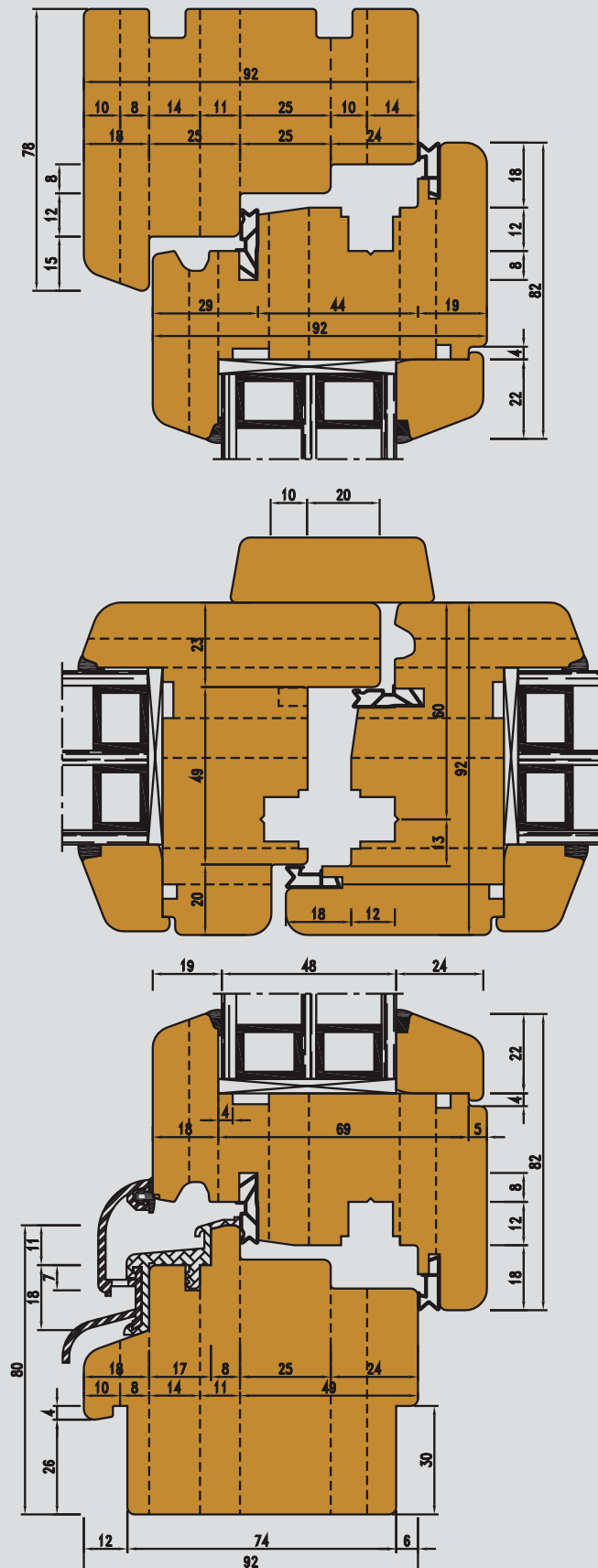
Version 78 - Version 78

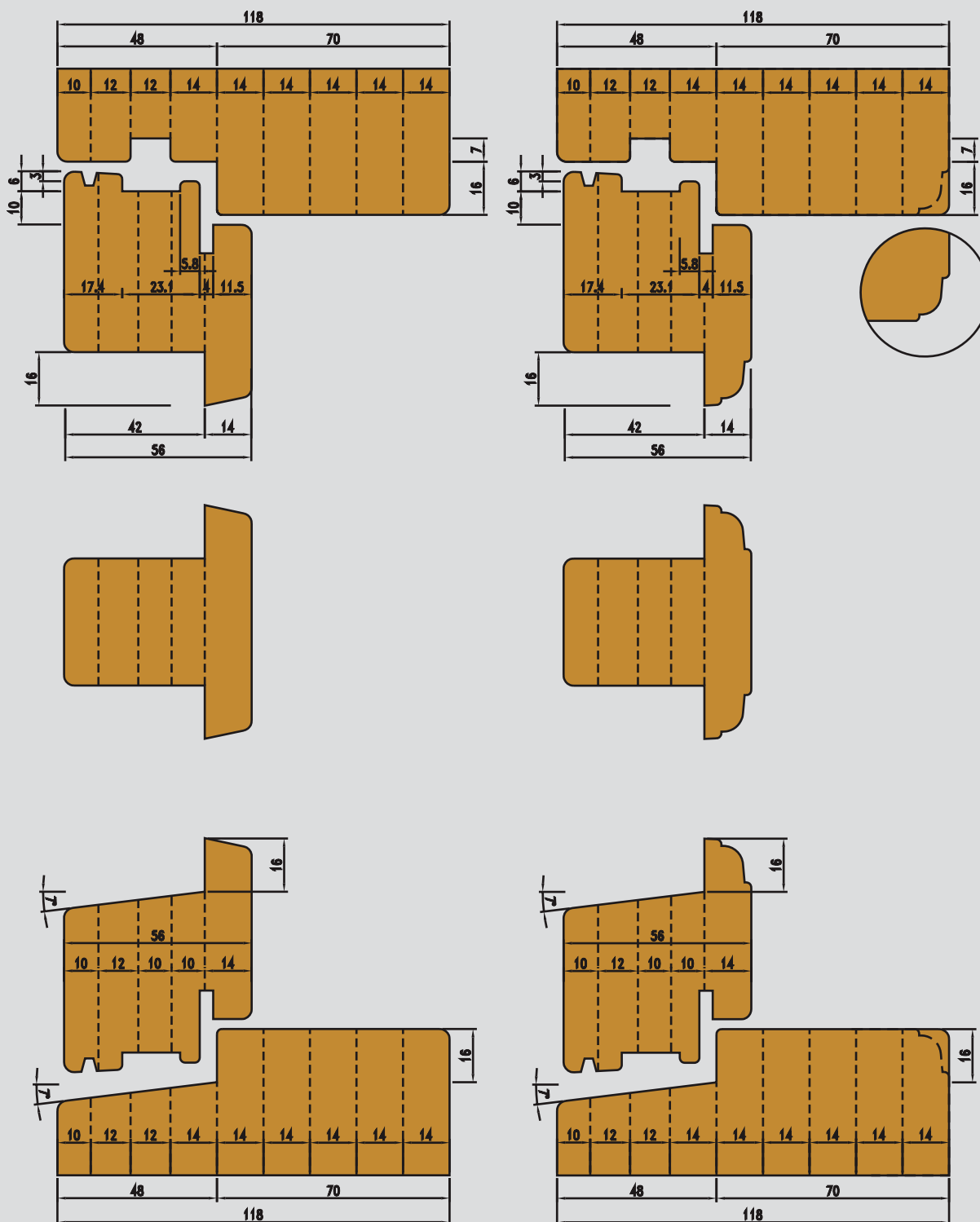


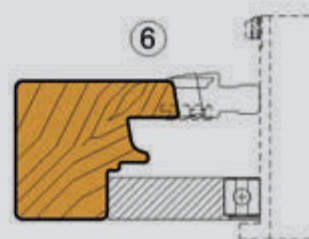
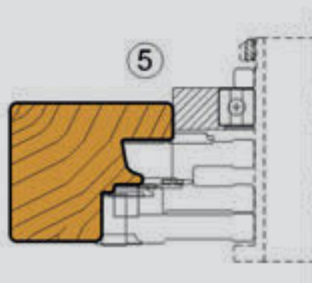
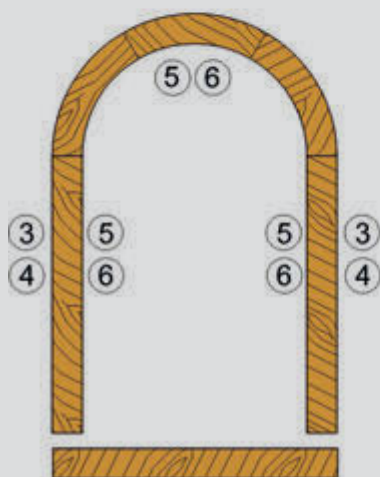
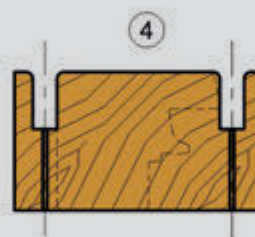
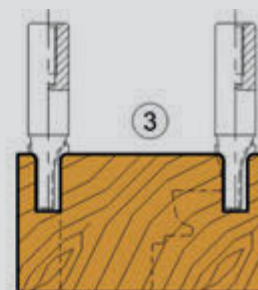
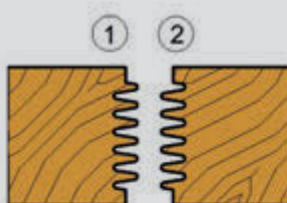
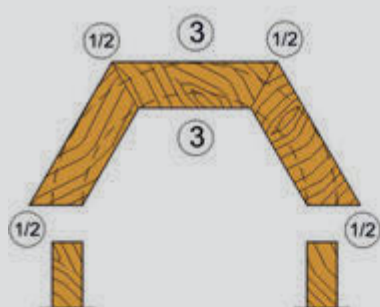


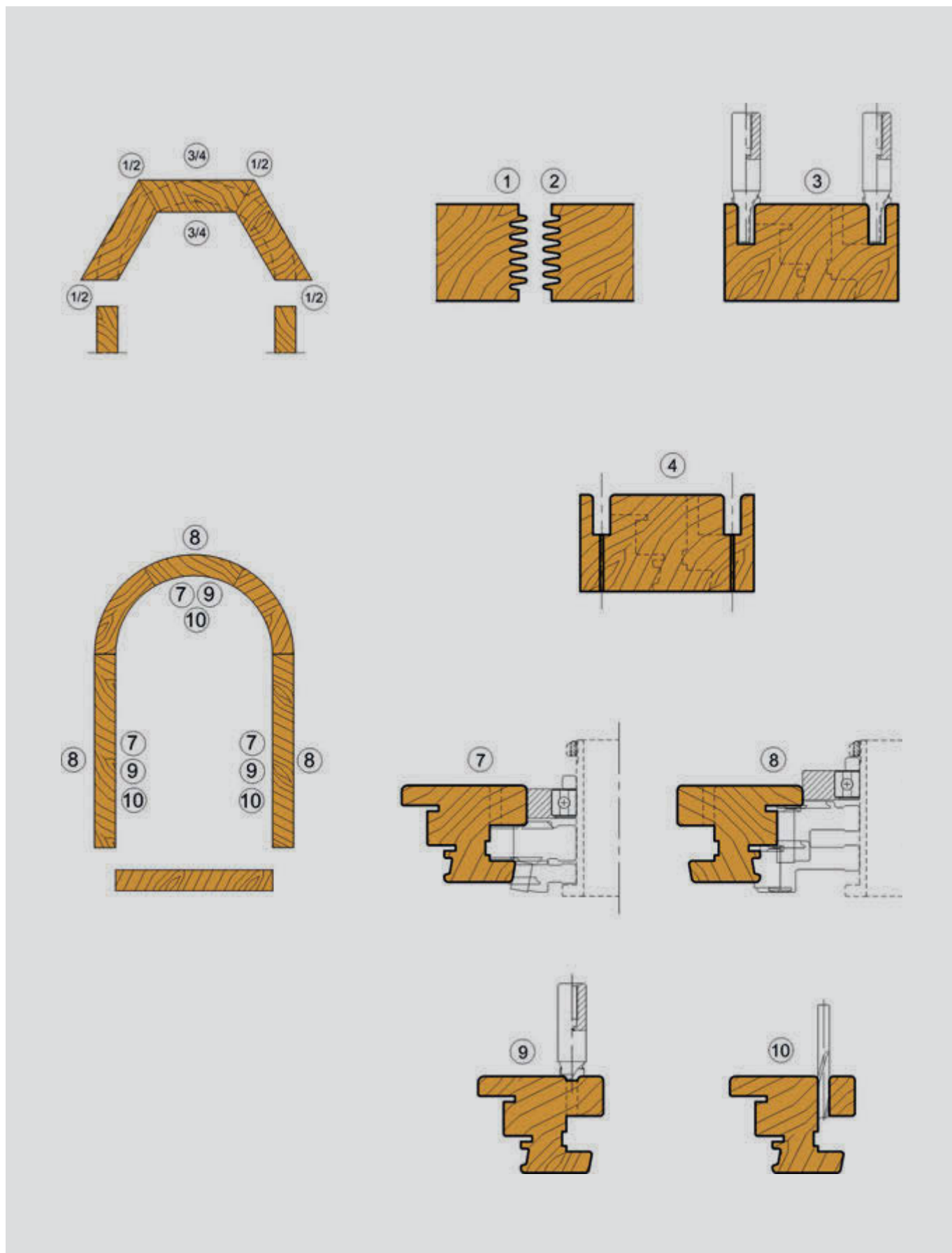


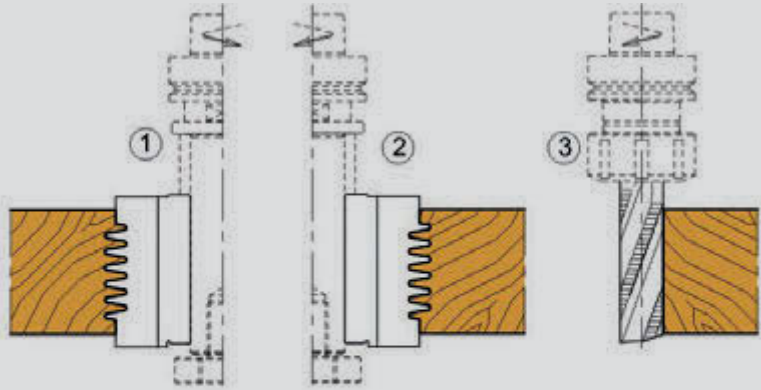
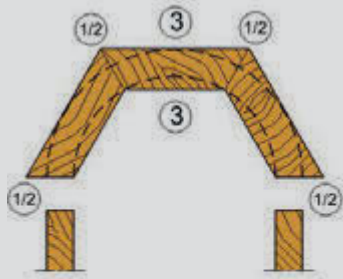




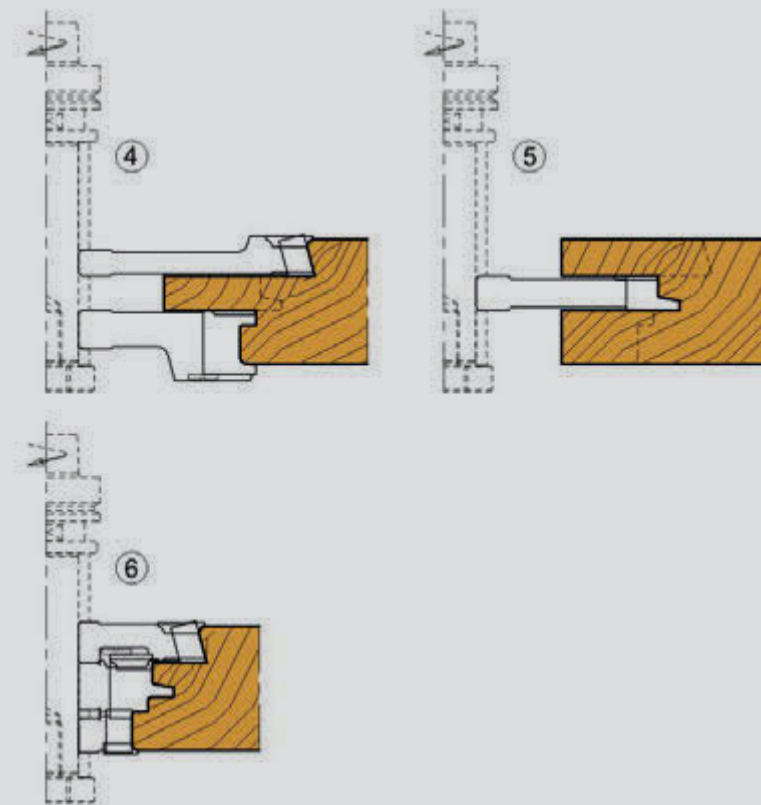
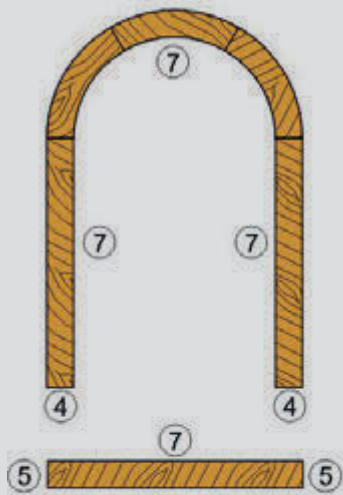




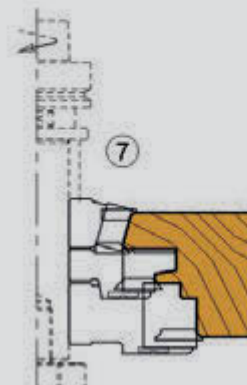
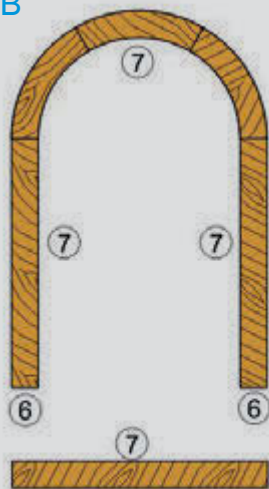


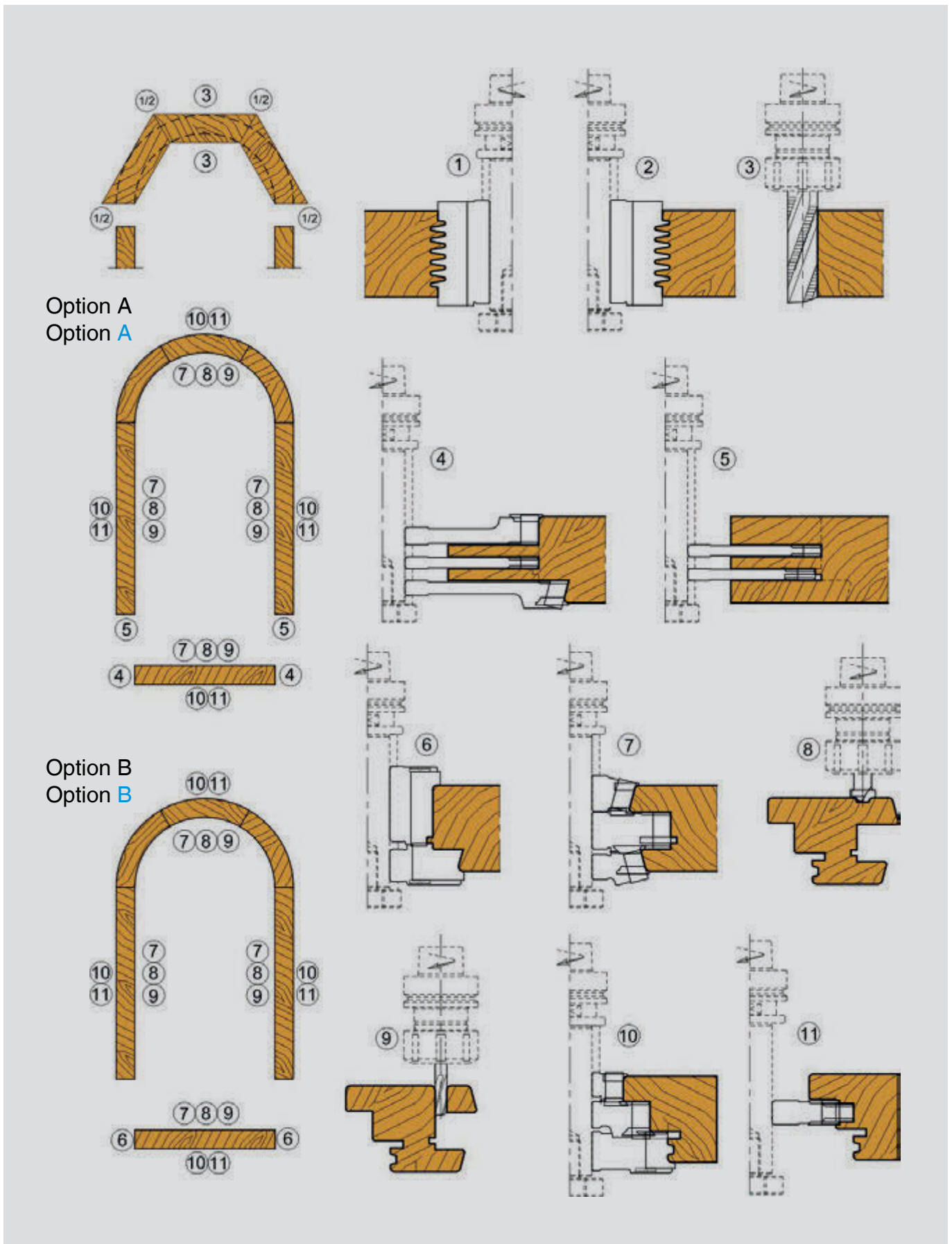


Option A
Option A



Option B
Option B





6

Router cutter for portable routers Mèches pour défonceuses portatives



FREZITE 

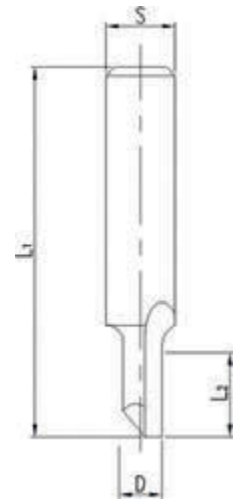
Grooving cutter	
Mèche à défoncer	6.3-6.8
Edge trimming cutter	
Mèche à affleurer	6.9-6.11
Bevel and v-grooving cutter	
Mèche en V	6.12
Dovetail cutter	
Mèche queue d'aronde	6.13
Cove cutter	
Mèche profil congé.....	6.13-6.14
Radios cutter	
Mèche à rayon.....	6.14-6.16
Profile cutter	
Mèche profil.....	6.16-6.22
Slotting cutter	
Fraise à rainer	6.23
Arbor for slotting cutters	
Bout d'arbre pour montage de fraise	6.23
Profile cutter for Corian	
Mèche profil pour CORIAN	6.24 -6.26
Profile cutter for Alucobond	
Mèche profil pour Alucobond	6.26

Grooving cutter
Mèche à défoncer

D	L2	L1	S	Z	Ref.
2	5	38	6	1	A105.002.105.06
	5	38	8	1	A105.002.105.08
3	8	41	6	1	A105.003.108.06
	8	41	8	1	A105.003.108.08
4	10	43	6	1	A105.004.110.06
	10	43	8	1	A105.004.110.08
5	10	43	6	1	A105.005.110.06
	10	43	8	1	A105.005.110.08

MAN HS

A105

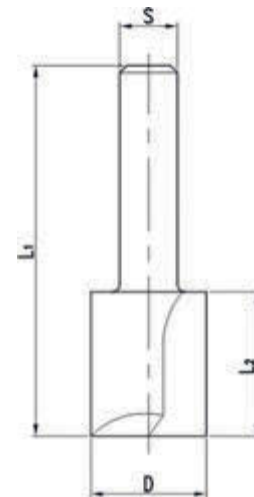


Grooving cutter
Mèche à défoncer

D	L2	L1	S	Z	Ref.
14	20	50	6	2	A080.014.120.06 ■
	20	50	6	2	A080.014.120.08 ■
18	20	50	6	2	A080.018.120.06 ■
	20	50	8	2	A080.018.120.08 ■
20	20	50	6	2	A080.020.120.06 ■
	10	43	8	2	A080.020.120.08 ■

MAN HS

A080



■ While quantities last - Jusqu'à épuisement du stock

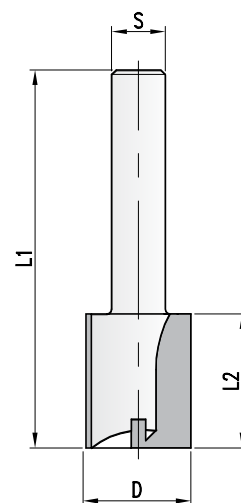


Grooving cutter
Mèche à défoncer

D	L2	L1	S	Z	Ref.
6	14	48	6	2	A101.006.114.06
	14	55	8	2	A101.006.114.08
8	19	48	6	2	A101.008.120.06
	19	55	8	2	A101.008.120.08
10	19	48	6	2	A101.010.120.06
	19	60	8	2	A101.010.120.08
	32	90	8	2	A101.010.130.08
12	19	46	6	2	A101.012.120.06
	19	90	8	2	A101.012.120.08
	32	90	8	2	A101.012.130.08
14	19	48	6	2	A101.014.120.06
	19	60	8	2	A101.014.120.08
	32	90	8	2	A101.014.130.08
16	19	70	8	2	A101.016.120.08
	25	53	6	2	A101.016.125.06
18	19	70	8	2	A101.018.120.08
	25	53	6	2	A101.018.125.06
20	19	70	8	2	A101.020.120.08
	25	53	6	2	A101.020.125.06
22	16	70	8	2	A101.022.116.08
24	16	70	8	2	A101.024.116.08
25	16	70	8	2	A101.025.116.08

MAN HW

A101

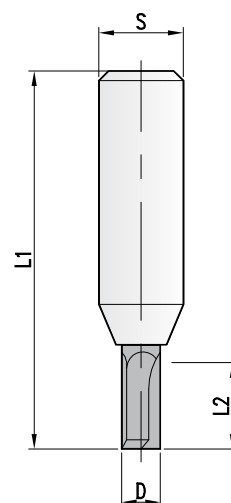


Grooving cutter, solid t.c.
Mèche à défoncer en carbure massif

D	L2	L1	S	Z	Ref.
3	8	48	8	2	A104.003.108.08
	8	48	10	2	A104.003.108.10
4	11	51	8	2	A104.004.110.08
	11	51	10	2	A104.004.110.10
5	11	51	8	2	A104.005.112.08
	11	51	10	2	A104.005.112.10

MAN HW

A104



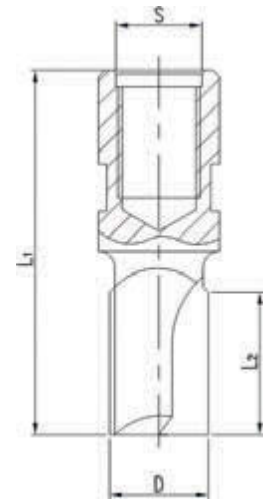
Grooving cutter shank with internal thread
Mèche à défoncer, queue à filetage intérieur

D	L2	L1	S	Z	Ref.
8	20	55	M10	2	A083.008.120.40 ■
10	20	55	M10	2	A083.010.120.40 ■
12	23	60	M12x1	2	A083.012.123.41 ■
14	23	60	M12x1	2	A083.014.123.41 ■
16	25	60	M12x1	2	A083.016.125.41 ■
25	25	60	M12x1	2	A083.025.125.41 ■
30	25	60	M12x1	2	A083.030.125.41 ■

■ While quantities last - Jusqu'à épuisement du stock

MAN HS

A083

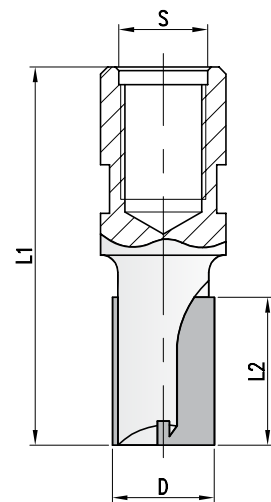


Grooving cutter shank with internal thread
Mèche à défoncer, queue à filetage intérieur

D	L2	L1	S	Z	Ref.
8	20	60	M12x1	2	A084.008.120.41
10	23	60	M12x1	2	A084.010.123.41
12	23	60	M12x1	2	A084.012.123.41
14	23	60	M12x1	2	A084.014.123.41
16	25	60	M12x1	2	A084.016.125.41
18	25	60	M12x1	2	A084.018.125.41
20	25	60	M12x1	2	A084.020.125.41
22	25	60	M12x1	2	A084.022.125.41
24	25	60	M12x1	2	A084.024.125.41
25	25	60	M12x1	2	A084.025.125.41
30	25	60	M12x1	2	A084.030.125.41

MAN HW

A084



Grooving cutter with t.c. turnblades
Mèche à défoncer avec plaquettes réversibles

D	L2	L1	S	Z	Ref.
16	20	70	8	2	A249.016.120.08
	20	70	10	2	A249.016.120.10
	20	65	M10	2	A249.016.120.40 ■
	20	65	M12x1	2	A249.016.120.41 ■
18	20	70	8	2	A249.018.120.08
	20	70	10	2	A249.018.120.10
20	20	70	8	2	A249.020.120.08
	20	70	10	2	A249.020.120.10
22	20	70	8	2	A249.022.120.08
	20	70	10	2	A249.022.120.10

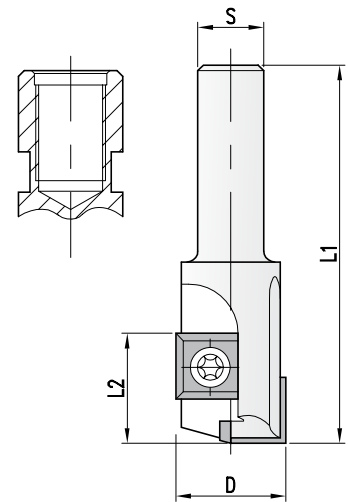
■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	12x12x1,5	754.102
Torx Screw - Vis Torx	M4x6	705.351
Torx wrench - Clé torx	T15	706.302

MAN HW

A249



Grooving cutter with t.c. turnblades
Mèche à défoncer avec plaquettes réversibles

D	L2	L1	S	Z	Ref.
8	20	63	8	1	A508.008.120.08
10	20	63	8	1	A508.010.120.08
12	20	63	8	1	A508.012.120.08
14	20	59	8	1	A508.014.120.08
15	20	59	8	1	A508.015.120.08

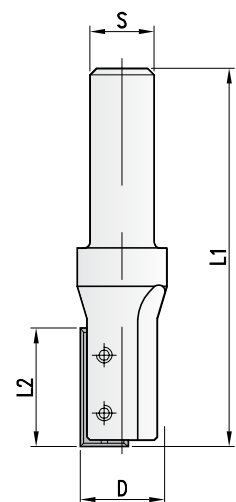
Spare parts - Pièces de rechange

		Dim.	Ref.
Knife - Plaquette	Ø8/12	20x5,5x1,1	758.501 ■
	Ø14/15	20x10x1,5	758.502 ■
Screw - Vis	Ø8/12	M2,5x2,5	705.100
	Ø14/15	M4x4	705.101
Wrench - Clé	Ø8/12	SW1,3	706.149
	Ø14/15	SW2	706.151

■ Coated hardmetal - Carbure revêtu

MAN HC

A508



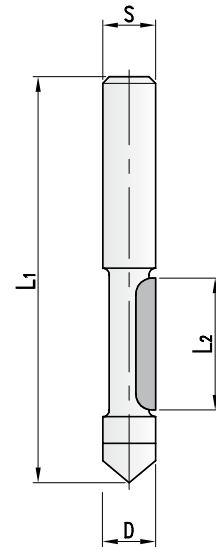
Grooving cutter with S=10/12, see page 7.6.
Mèche avec S=10/12, voir page 7.6.

Panel pilot cutter
Mèche occulus et à rainer

D	L2	L1	S	Z	Ref.
6,35	19	62	6	1	A110.906.120.06
	19	62	8	1	A110.906.120.08
8	19	62	6	1	A110.008.120.06
	19	62	8	1	A110.008.120.08

MAN HW

A110

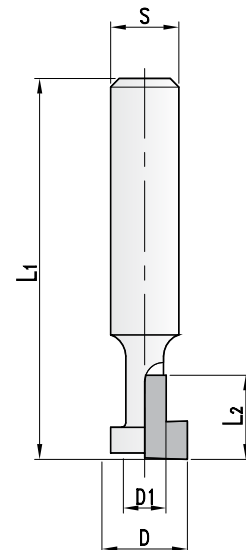
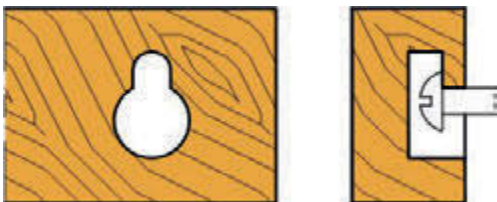


T-slot cutter
Mèche pour rainure en t

D	D1	L2	L1	S	Z	Ref.
9,5	5	9,5	40	6	1	A135.010.110.06
	5	9,5	47	8	1	A135.010.110.08

MAN HW

A135



Grooving cutter with t.c. turnblades
Mèche à défoncer avec plaquettes réversibles

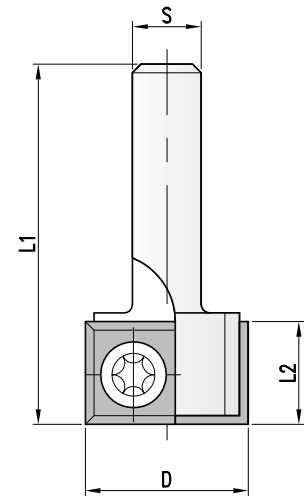
D	L2	L1	S	Z	Ref.
19	12	45	6	2	A250.019.112.06
	12	45	8	2	A250.019.112.08
new 20	12	45	6	2	A250.020.112.06

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	12x12x1,5	754.102
Torx Screw - Vis Torx	M4x6	705.351
Torx wrench - Clé torx	T15	706.302

MAN HW

A250



Grooving cutter with t.c. turnblades
Mèche à défoncer avec plaquettes réversibles

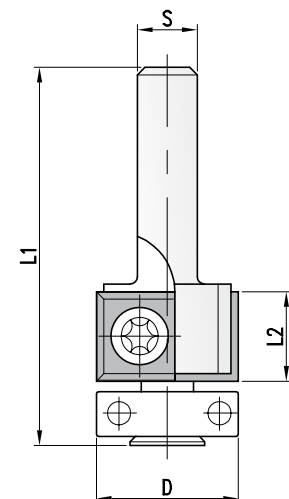
D	L2	L1	S	Z	Ref.
19	12	59	6	2	A251.019.112.06
	12	59	8	2	A251.019.112.08

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	12x12x1,5	754.102
Torx Screw - Vis Torx	M4x6	705.351
Ball bearing - Roulement	19x6x6	701.054
Torx wrench - Clé torx	T15	706.302

MAN HW

A251

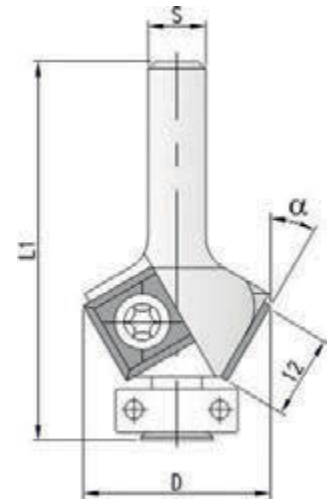


Grooving cutter with t.c. turnblades
Mèche à défoncer avec plaquettes réversibles

D	α	L1	S	Z	Ref.
27	22°	65	6	2	A253.027.112.06
	22°	65	8	2	A253.027.112.08
30	30°	65	6	2	A253.030.112.06
	30°	65	8	2	A253.030.112.08
32	45°	65	6	2	A253.032.112.06
	45°	65	8	2	A253.032.112.08

MAN HW

A253



Spare parts - Pièces de rechange

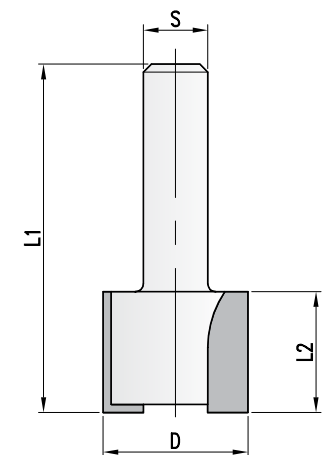
	Dim.	Ref.
Knife - Plaquette	12x12x1,5	754.102
Torx Screw - Vis Torx	M4x6	705.351
Ball bearing - Roulement	19x6x6	701.054
Torx wrench - Clé torx	T15	706.302

Edge trimming cutter
Mèche à affleurer

D	L2	L1	S	Z	Ref.
18	19	45	6	2	A106.018.115.06
	19	45	8	2	A106.018.115.08

MAN HW

A106



Edge trimming cutter
Mèche à affleurer

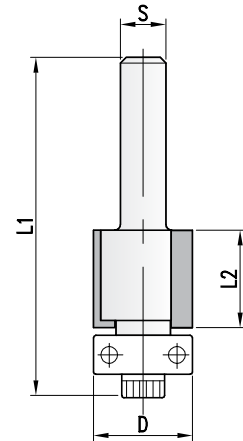
D	L2	L1	S	Z	Ref.
12,7	12,7	56	6	2	A102.912.112.06
	12,7	56	8	2	A102.912.112.08
12,7	25,4	67	6	2	A102.912.125.06
	25,4	67	8	2	A102.912.125.08

Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	12,7x5x4,7	701.053
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161

MAN HW

A102



Edge trimming cutter
Mèche à affleurer

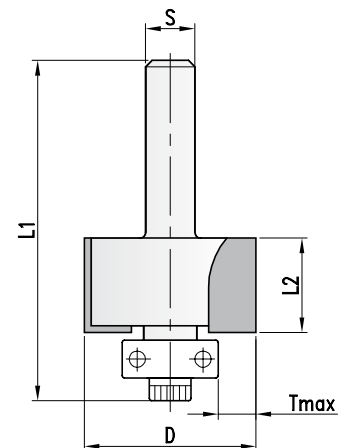
D	L2	L1	S	Z	T _{max}	Ref.
31,8	12,7	51	6	2	9,5	A103.931.112.06
	12,7	51	8	2	9,5	A103.931.112.08

Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	12,7x5x4,7	701.053
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161

MAN HW

A103

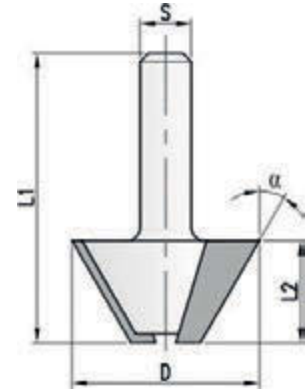


Edge trimming cutter
Mèche à affleurer

D	α	L2	L1	S	Z	Ref.
12,7	15°	12,7	51	6	2	A111.912.912.06
	15°	12,7	51	8	2	A111.912.912.08
25,4	30°	10	38,5	6	2	A111.925.110.06
	30°	10	38,5	8	2	A111.925.110.08
34,9	45°	10	38,5	6	2	A111.934.110.06
	45°	10	38,5	8	2	A111.934.110.08

MAN HW

A111

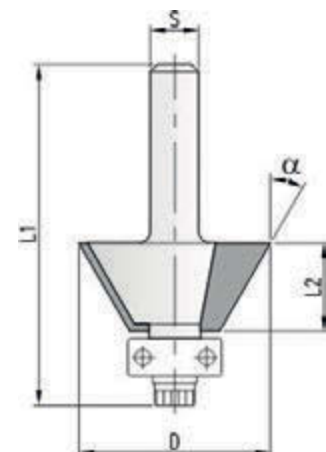


Edge trimming cutter
Mèche à affleurer

D	α	L2	L1	S	Z	Ref.
19,0	15°	10	50	6	3	A113.019.114.06
	15°	10	53	8	3	A113.019.114.08
22,2	25°	10	50	6	3	A113.022.110.06
	25°	10	53	8	3	A113.022.110.08
30,0	45°	10	50	6	3	A113.030.110.06
	45°	10	53	8	3	A113.030.110.08

MAN HW

A113



Spare parts - Pièces de rechange

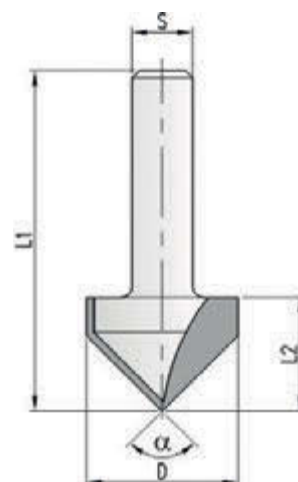
	Dim.	Ref.
Ball bearing - Roulement	16x5x5	701.058
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161

Bevel and v-grooving cutter Mèche en V

D	α	L2	L1	S	Z	Ref.
12,7	60°	16	44,5	6	2	A122.912.116.06
	60°	16	47,5	8	2	A122.912.116.08
12,7	90°	12,7	41,5	6	2	A122.912.112.06
	90°	12,7	44	8	2	A122.912.112.08
19,1	90°	16	45	6	2	A122.919.116.06
	90°	16	48	8	2	A122.919.116.08
25,4	90°	19	48	6	2	A122.925.119.06
	90°	19	51	8	2	A122.925.119.08

MAN HW

A122

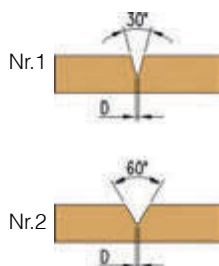


Engraving cutter, solid t.c. Mèches à graver, carbure massif

Nr.	D	L1	S	Z	Ref.
1	0,5	70	6	2	A248.006.101.06
1	0,7	70	6	2	A248.006.102.06
1	1,0	70	6	2	A248.006.103.06
2	0,5	70	6	2	A248.006.201.06
2	0,7	70	6	2	A248.006.202.06
2	1,0	70	6	2	A248.006.203.06
new 2	1,0	80	10	2	A248.010.101.10

MAN HW

A248



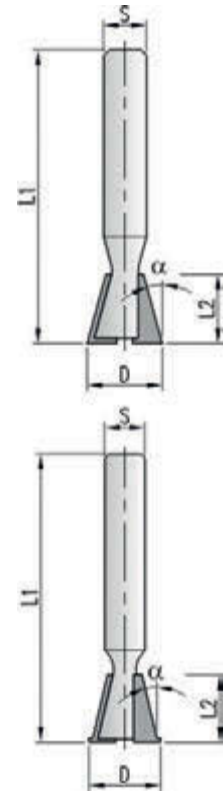
Dovetail cutter
Mèche queue d'aronde

D	α	L2	L1	S	Z	Ref.	
7,9	18°	6	43	6	2	Hoffmann	A127.907.106.06 ■
9,3	19°	7,3	43	6	2	Hofmann	A127.909.107.06 ■
14,7	12°	14,3	58	6	2		A127.014.114.06
	12°	14,3	58	8	2		A127.014.114.08

■ Solid t.c. - Carbure massif

D	α	L2	L1	S	Z	Ref.	
14,3	13°	13,5	55	6	2		A127.914.313.06
	13°	13,5	58	8	2		A127.914.313.08

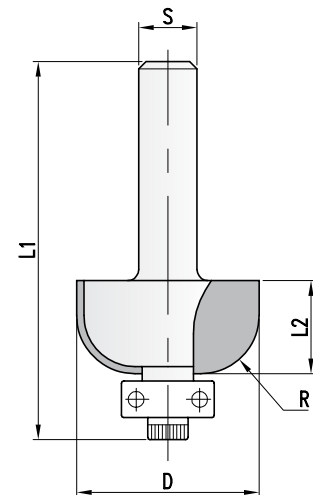
MAN HW **A127**



Cove cutter
Mèche profil congé

D	R	L2	L1	S	Z	Ref.	
19,1	4,8	14,3	51	6	2		A131.919.114.06
	4,8	14,3	51	8	2		A131.919.114.08
22,2	6,3	14,3	51	6	2		A131.922.114.06
	6,3	14,3	51	8	2		A131.922.114.08
25,4	7,9	14,3	52	6	2		A131.925.114.06
	7,9	14,3	52	8	2		A131.925.114.08
34,9	12,7	16,7	55	6	2		A131.934.116.06
	12,7	16,7	55	8	2		A131.934.116.08

MAN HW **A131**



Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	9,5x3,9x3,1	701.051
Screw - Vis	3/32W	705.502
Wrench - Clé	5/64"	706.162

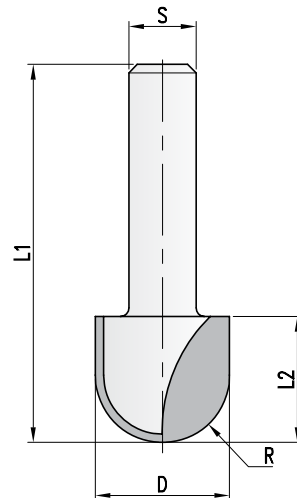


Core box cutter
Mèche demi-rond

D	R	L2	L1	S	Z	Ref.
8	4	12	49	6	2	A132.008.112.06
	4	12	49	8	2	A132.008.112.08
10	5	12	46	6	2	A132.010.112.06
	5	12	46	8	2	A132.010.112.08
12	6	14	46	6	2	A132.012.114.06
	6	14	46	8	2	A132.012.114.08
14	7	14	46	6	2	A132.014.114.06
	7	14	46	8	2	A132.014.114.08
16	8	16	48	6	2	A132.016.116.06
	8	16	48	8	2	A132.016.116.08
20	10	16	48	6	2	A132.020.116.06
	10	16	48	8	2	A132.020.116.08

MAN HW

A132

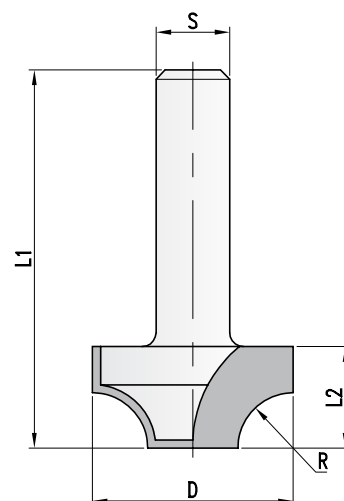


Quarter round cutter
Mèche quart de rond

D	R	L2	L1	S	Z	Ref.
9,5	3,2	8	43	6	2	A140.909.108.06
	3,2	8	43	8	2	A140.909.108.08
15	5	9	40,5	6	2	A140.015.109.06
	5	9	40,5	8	2	A140.015.109.08
20	4	9	40,5	6	2	A140.020.109.06
	4	9	40,5	8	2	A140.020.109.08
24	6	11	44	6	2	A140.024.111.06
	6	11	44	8	2	A140.024.111.08
26	7	12	44	8	2	A140.026.112.08 ■
28	8	13	46	8	2	A140.028.113.08 ■
32	10	15	46	6	2	A140.032.115.06
	10	15	46	8	2	A140.032.115.08

MAN HW

A140



■ While quantities last - Jusqu'à épuisement du stock

Rounding over cutter Mèche quart de rond

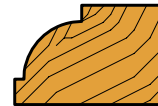
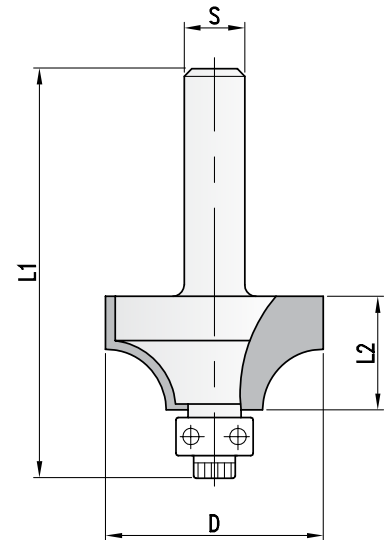
D	R	L2	L1	S	Z	Ref.
15,9	1,6	7,9	47,0	6	2	A142.915.108.06
	1,6	7,9	50,0	8	2	A142.915.108.08
19,1	3,2	9,5	50,0	6	2	A142.919.109.06
	3,2	9,5	53,0	8	2	A142.919.109.08
22,2	4,8	12,7	52,0	6	2	A142.922.112.06
	4,8	12,7	55,5	8	2	A142.922.112.08
25,4	6,3	12,7	51,5	6	2	A142.925.112.06
	6,3	12,7	55,0	8	2	A142.925.112.08
28,6	7,9	13,5	53,0	6	2	A142.928.112.06
	7,9	13,5	56,0	8	2	A142.928.112.08
31,8	9,5	16,0	55,5	6	2	A142.931.116.06
	9,5	16,0	59,0	8	2	A142.931.116.08
38,1	12,7	19,0	58,0	6	2	A142.938.119.06
	12,7	19,0	61,0	8	2	A142.938.119.08

Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	9,5x3,1x4,7	701.052
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161

MAN HW

A142



Beading cutter Mèche quart de rond

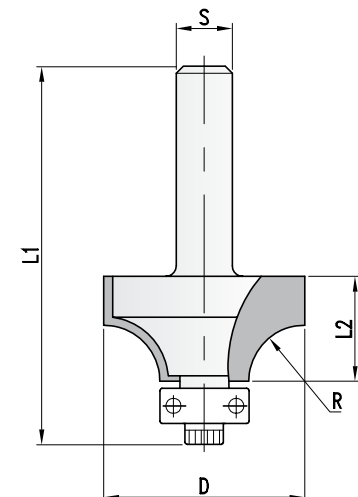
D	R	L2	L1	S	Z	Ref.
15,9	1,6	7,9	47,0	6	2	A143.915.108.06
	1,6	7,9	50,0	8	2	A143.915.108.08
19,1	3,2	9,5	50,0	6	2	A143.919.109.06
	3,2	9,5	53,0	8	2	A143.919.109.08
22,2	4,8	12,7	52,0	6	2	A143.922.112.06
	4,8	12,7	55,5	8	2	A143.922.112.08
25,4	6,3	12,7	51,5	6	2	A143.925.112.06
	6,3	12,7	55,0	8	2	A143.925.112.08
28,6	7,9	13,5	53,0	6	2	A143.928.112.06
	7,9	13,5	56,0	8	2	A143.928.112.08
31,8	9,5	16,0	55,5	6	2	A143.931.116.06
	9,5	16,0	59,0	8	2	A143.931.116.08
38,1	12,7	19,0	58,0	6	2	A143.938.119.06
	12,7	19,0	61,0	8	2	A143.938.119.08

Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	12,7x5x4,7	701.053
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161

MAN HW

A143



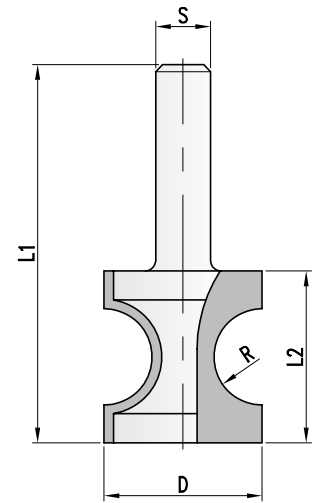
Half round cutter
Mèche demi-rond

D	R	L2	L1	S	Z	Ref.
19,8	5,2	19	51	6	2	A151.919.119.06
	5,2	19	51	8	2	A151.919.119.08
23,0	6,8	26	58	6	2	A151.023.125.06
	6,8	26	58	8	2	A151.023.125.08



MAN HW

A151



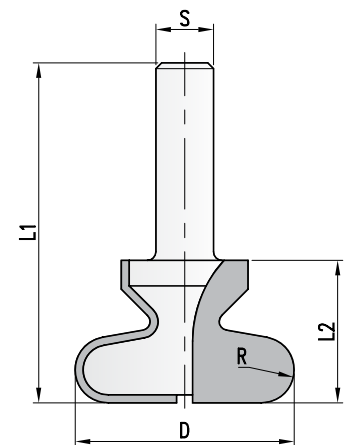
Finger grip cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
19,1	4,8	19	57	10	2	A152.019.119.10
	4,8	19	57	12	2	A152.019.119.12
38,1	6,0	21	59	10	2	A152.038.121.10
	6,0	21	59	12	2	A152.038.121.12



MAN HW

A152



Profile cutter
Mèche profil

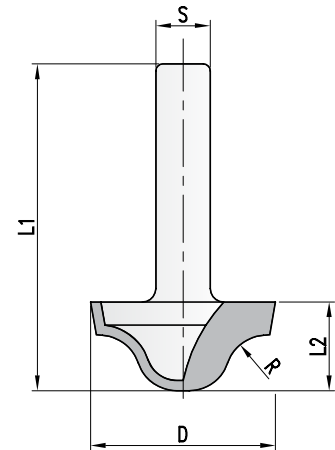
D	R	L2	L1	S	Z	Ref.
21	4	10	42	6	2	A149.021.110.06 ■
	4	10	42	8	2	A149.021.110.08 ■
27	6	13	45	6	2	A149.027.113.06 ■
	6	13	45	8	2	A149.027.113.08 ■

■ While quantities last - Jusqu'à épuisement du stock



MAN HW

A149



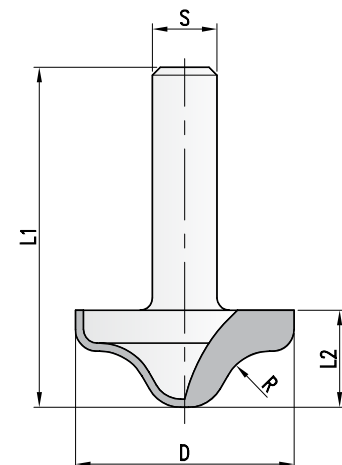
Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
27	6	11,9	52	6	2	A153.027.111.06
	6	11,9	52	8	2	A153.027.111.08



MAN HW

A153

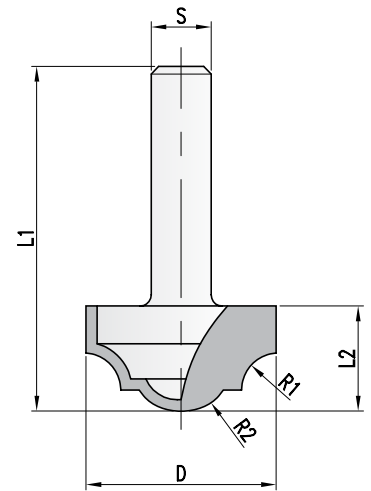
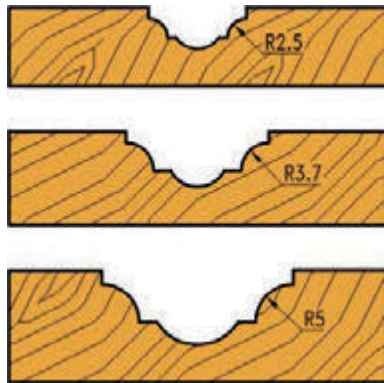


Profile cutter
Mèche profil

D	R1/R2	L2	L1	S	Z	Ref.
12,7	2,5/3,5	10,5	51	6	2	A150.912.110.06
	2,5/3,5	10,5	51	8	2	A150.912.110.08
19,1	3,7/4,0	12,7	54	6	2	A150.919.112.06
	3,7/4,0	12,7	54	8	2	A150.919.112.08
25,4	5,0/6,3	17,5	73	6	2	A150.925.117.06
	5,0/6,3	17,5	73	8	2	A150.925.117.08

MAN HW

A150



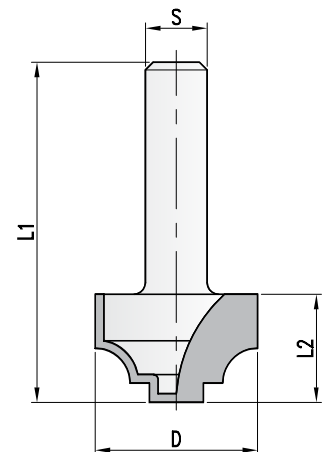
Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
21	4,5	14	46	6	2	A158.021.114.06
	4,5	14	46	8	2	A158.021.114.08
	4,5	14	46	12	2	A158.021.114.12

MAN HW

A158

■ While quantities last - Jusqu'à épuisement du stock

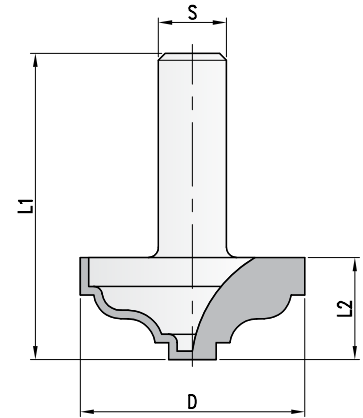


Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
33	4	15	47	8	2	A159.033.115.08

MAN HW

A159

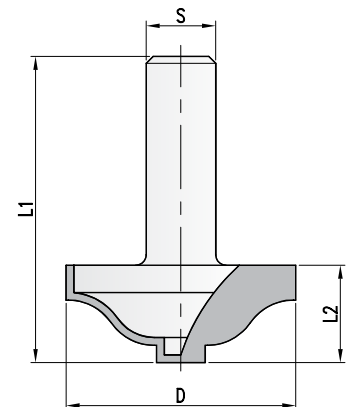


Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
33	7,5	14	49	8	2	A160.033.114.08

MAN HW

A160



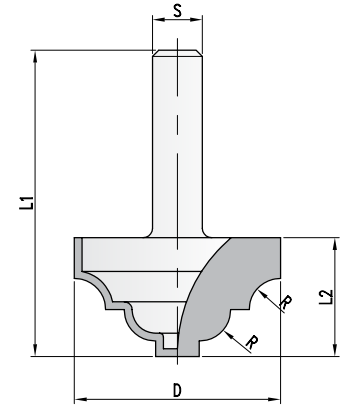
Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
27	4/4	13	45	8	2	A157.027.113.08
	4/4	13	50	10	2	A157.027.113.10 ■
33	5/5	17	49	8	2	A157.033.117.08

■ While quantities last - Jusqu'à épuisement du stock



MAN HW **A157**



Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
25,4	4,0	15,9	54	6	2	A156.925.115.06 ■
	4,0	15,9	54	8	2	A156.925.115.08 ■
34,9	6,3	20,0	57	6	2	A156.934.120.06 ■
	6,3	20,0	57	8	2	A156.934.120.08 ■

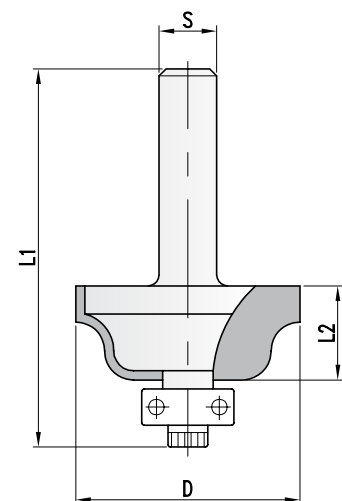
■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	9,5x3,9x3,1	701.051
Screw - Vis	3/32W	705.502
Wrench - Clé	5/64"	706.162



MAN HW **A156**

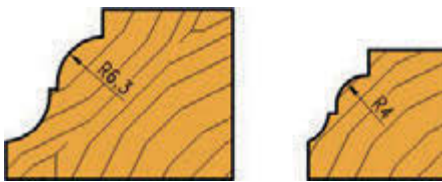


Profile cutter
Mèche profil

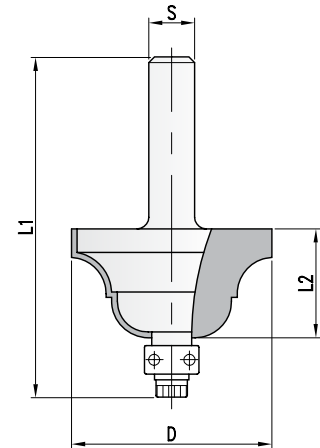
D	R	L2	L1	S	Z	Ref.
25,4	4,0	16	57	6	2	A154.925.116.06
	4,0	16	57	8	2	A154.925.116.08
34,9	6,3	20	60	6	2	A154.934.120.06
	6,3	20	60	8	2	A154.934.120.08

Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	9,5x3,9x3,1	701.051
Screw - Vis	3/32W	705.502
Wrench - Clé	5/64"	706.162



MAN HW **A154**



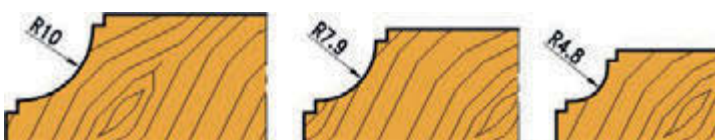
Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
28,6	4,8	12,7	51	8	2	A155.928.112.08 ■
37,7	10,0	18,0	57	8	2	A155.937.118.08 ■

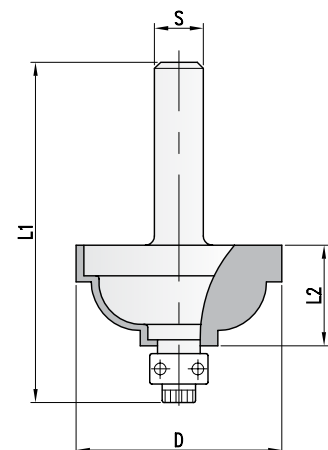
■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	12,7x5x4,7	701.053
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161



MAN HW **A155**

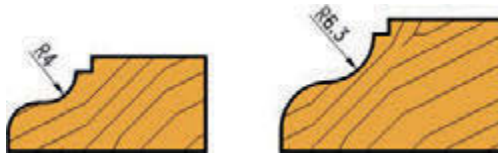


Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
34,9	4,0	13,5	53	6	2	A161.934.113.06
	4,0	13,5	53	8	2	A161.934.113.08
41,3	6,3	19,1	68	6	2	A161.941.119.06
	6,3	19,1	68	8	2	A161.941.119.08

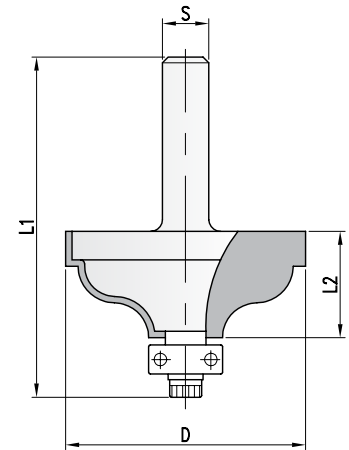
Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	12,7x5x4,7	701.053
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161



MAN HW

A161



Profile cutter
Mèche profil

D	R	L2	L1	S	Z	Ref.
34,9	4,0	13,5	53	6	2	A162.934.113.06
	4,0	13,5	53	8	2	A162.934.113.08
41,3	6,3	19,1	68	6	2	A162.941.119.06
	6,3	19,1	68	8	2	A162.941.119.08

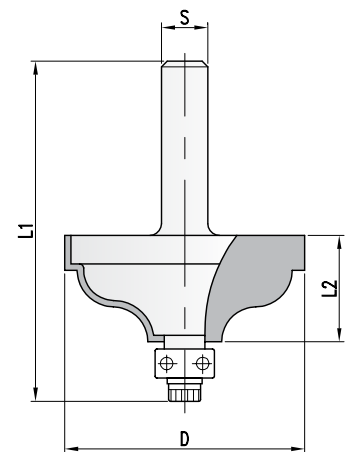
Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	9,5x3,1x4,7	701.052
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161



MAN HW

A162



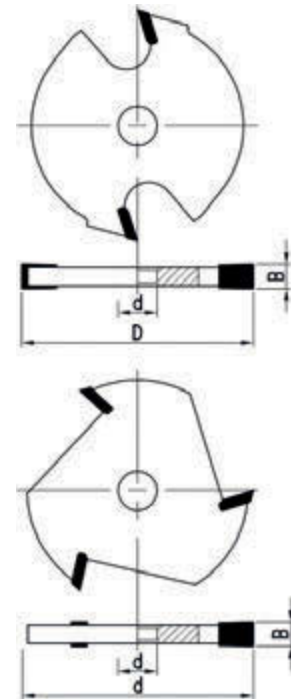
Slotting cutter Fraise à rainer

D	B	d	Z	Ref.
40	1,5	8	2	A164.040.115.08
	2,0	8	2	A164.040.120.08
	2,5	8	2	A164.040.125.08
	3,0	8	2	A164.040.130.08
	4,0	8	2	A164.040.140.08

D	B	d	Z	Ref.
47,6	1,5	8	3	A164.947.315.08
	2,0	8	3	A164.947.320.08
	2,5	8	3	A164.947.325.08
	3,0	8	3	A164.947.330.08
	3,5	8	3	A164.947.335.08
	4,0	8	3	A164.947.340.08
	5,0	8	3	A164.947.350.08
	6,0	8	3	A164.947.360.08

MAN HW

A164



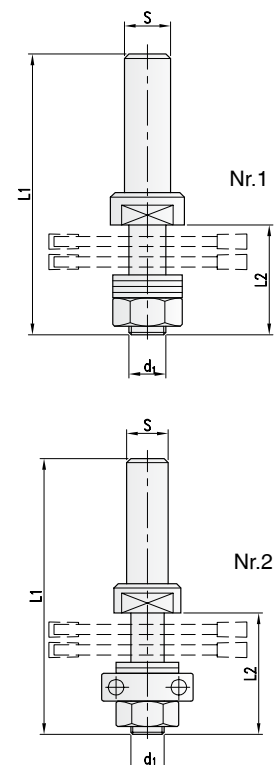
Arbor for slotting cutters ref.A164 Bout d'arbre pour montage de fraise ref.A164

d1	L2	L1	S	Ref.
Nr.1 Supplied with spacers - Fournis avec bagues				
8	25	66	6	A165.008.125.06
	25	66	8	A165.008.125.08
8	38	79	6	A165.008.138.06
	38	79	8	A165.008.138.08
Nr.2 Supplied with spacers - Fournis avec bagues				
8	25	66	6	A165.008.325.06
	25	66	8	A165.008.325.08
8	38	79	6	A165.008.338.06
	38	79	8	A165.008.338.08

Spare parts - Pièces de rechange

	Dim.	Ref.
Ball bearing - Roulement	22x7x8	701.055
Nut - écrou hexagonal	M8	705.900.08
Spacers - Bagues intercalaires de réglage	16x0,1x8	703.150
	16x0,4x8	703.151
	16x0,5x8	703.152
	16x1x8	703.153
	16x3x8	703.154
	16x6x8	703.155

A165



Beading cutter for Corian
Mèche quart de rond pour Corian

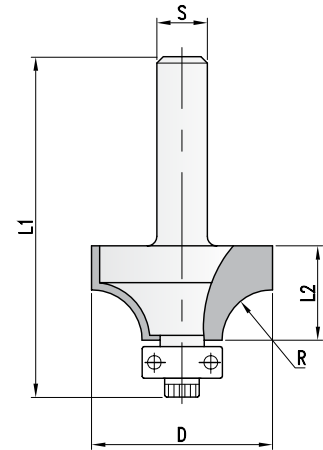
D	R	L2	L1	S	Z	Ref.
28,6	8	13,5	52	6	2	A770.928.113.06
	8	13,5	61	12	2	A770.928.113.12

Spare parts - Pièces de rechange

	Dim.	Ref.
Coated ball bearing - Roulement revêtu	12,7x5x4,7	701.053
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161



MAN HW **A770**



Beading cutter for Corian
Mèche quart de rond pour Corian

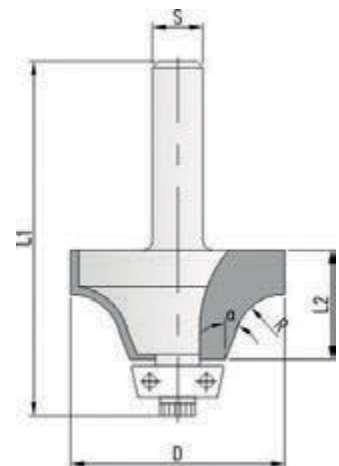
D	α	R	L2	L1	S	Z	Ref.
51,0	17°	12,7	18,2	63,5	12	2	A A771.051.118.12
54,0	17°	12,7	25,4	71,5	12	2	A A771.054.125.12
60,5	12°	14,2	22,2	79,0	12	2	B A771.960.122.12

Spare parts - Pièces de rechange

	Dim.	Ref.
Coated ball bearing - Roulement revêtu	22,2x6,3x6,3	A 701.002.01
	25,4x6,3x7	B 701.002.02
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161



MAN HW **A771**



Profile cutter for Corian
Mèche profil pour Corian

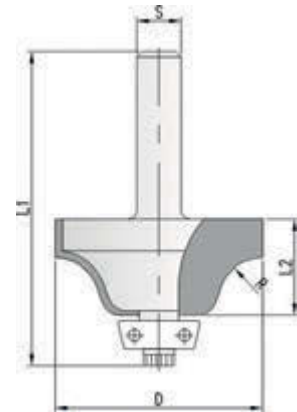
D	R	L2	L1	S	Z	Ref.
55	13	25,4	75	12	2	A772.055.125.12

Spare parts - Pièces de rechange

	Dim.	Ref.
Coated ball bearing - Roulement revêtu	21,8x6,3x6,7	701.002.03
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161



MAN HW **A772**



Edge trimming cutter for Corian
Mèche à affleurer pour Corian

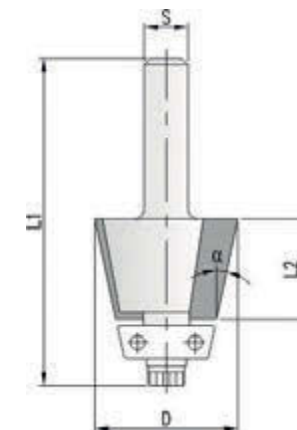
D	α	L2	L1	S	Z	Ref.
32	12°	25,4	80	12	2	A A762.032.125.12
39	12°	32,0	78	12	2	B A762.039.132.12

Spare parts - Pièces de rechange

	Dim.	Ref.
Coated ball bearing - Roulement revêtu	21,8x6,3x6,7	A 701.002.03
	25,4x6,3x7	B 701.002.02
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161



MAN HW **A762**



Profile cutter for Corian Mèche profil pour Corian

D	L2/L3	L1	S	Z	Ref.
25	23/16	77	12	2	A782.025.116.12
	29/24	83	12	2	A782.025.124.12

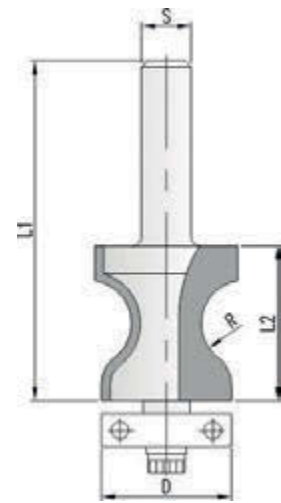
Spare parts - Pièces de rechange

	Dim.	Ref.
Coated ball bearing - Roulement revêtu	19,06x6,3x6,5	701.001.02
Screw - Vis	1/8W	705.501
Wrench - Clé	3/32"	706.161



MAN HW

A782



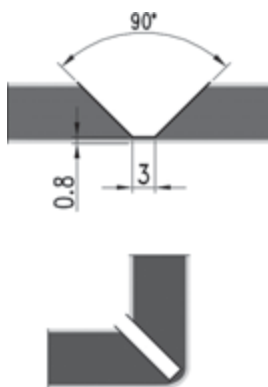
Profile cutter for Alucobond Mèche profil pour Alucobond

	D	α	L2	S	Z	Ref.
new	18,5	90°	13	8	2	A071.918.813.08
new		135°	8	8	2	A071.918.808.08

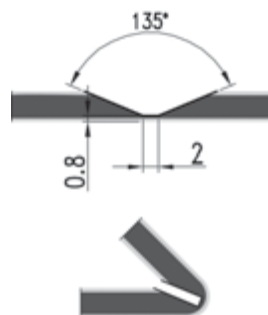
Cutterblock with 90° (V-shape) suitable to work boards up to 8,0mm thickness.
Cutterblock with 135° (V-shape) suitable to work boards up to 4,0mm thickness.

Fraise de profil en V de 90° permettant de travailler des panneaux avec une épaisseur jusqu'à 8mm.

Fraise de profil en V de 135° permettant de travailler des panneaux jusqu'à 4mm.



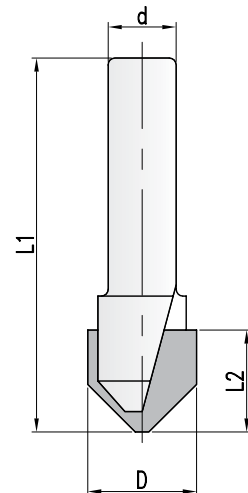
Groove for foldings up to 90°
Profil en V pour des angles jusqu'à 90°



Groove for foldings up to 180°
Profil en V pour des angles jusqu'à 180°

MAN HW

A071



7

**Tools for stationary routers
and cnc machines**
**Outils à queue pour défonceuse
stationnaire et à commande numérique**



FREZITE® 

Dovetail cutters

Mèches queue d'aronde7.3-7.4

Grooving cutters

Fraises et porte-outils à défoncer7.4-7.12

Milling router cutters

Fraises et porte-outils à défoncer.....7.13-7.16

Cutters for nesting operation

Fraises pour nesting..... 7.16

Acrylics and plastics

Fraises pour fraisage d'acrylique et matériaux plastiques..... 7.17

Jointing and rebating

Porte-outils à feuillurer7.18-7.20

Cutters for door production

Porte-outils pour portes.....7.20-7.26

Carving bit

Mèche á sculpter..... 7.27

Folding cutter

Fraise pour pliage..... 7.28

T-Slot cutter

Fraise queue d'aronde 7.29

Chanfering and rounding router cutter

Mèche à defoncer pour biseauter et arrondir 7.30

Universal profile cutterhead

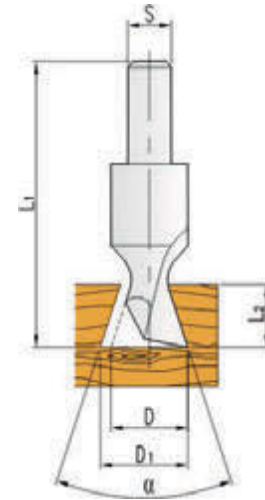
Porte-outils à profiler7.31-7.40

Dovetail cutters for OMEC 750
Mèches queue d'aronde pour OMEC 750

D	α	L2	L1	S	Z	Ref.HW	Ref.HS
14,5	17°	18	60	12	1	A124.914.118.12	A123.914.118.12

MEC HW
HS

A123/4



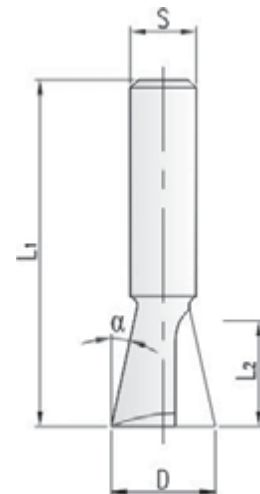
Dovetail cutters
Mèches queue d'aronde

D	α	L2	S	Z	Ref.
9,8	8°	10	8	2	Mida A126.909.110.08
10	9°	10	9,5	2	Pinheiro A126.010.110.95
11	8°	15	8	2	Mida A126.011.115.08
10,4	8°	13	8	2	Mida A126.910.113.08
13,8	10°	13	10	2	Frama A126.913.113.10
15	14°	10	9	4	Nipuer ■ A126.015.110.09
	14°	10	10	4	Tupi A126.015.110.10
	14°	10	W3/8"	4	Nipuer ■ A126.015.110.53
15	14°	10	W3/8"	4	Vibemo A126.015.310.53
	12°	12	9	4	Nipuer ■ A126.015.112.09
	12°	12	10	4	Tupi A126.015.112.10
15	12°	12	W3/8"	4	Nipuer ■ A126.015.112.53
	12°	12	W3/8"	4	Vibemo A126.015.312.53
	10°	14	9	4	Nipuer ■ A126.015.114.09
15	10°	14	10	4	Tupi A126.015.114.10
	10°	14	W3/8"	4	Nipuer ■ A126.015.114.53
	10°	14	W3/8"	4	Vibemo A126.015.314.53
15	9,5°	15	9	4	Nipuer ■ A126.015.115.09
	9,5°	15	10	4	Tupi A126.015.115.10
	9,5°	15	W3/8"	4	Nipuer ■ A126.015.115.53
	9,5°	15	W3/8"	4	Vibemo A126.015.315.53

■ Nipuer Automatic ■ Nipuer Manual

MEC HS

A126



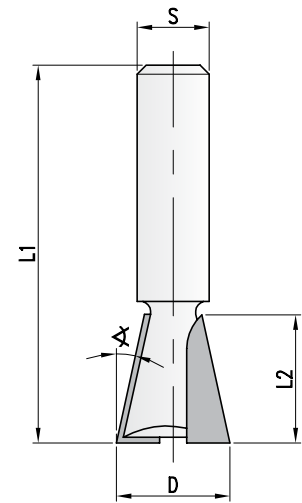
Dovetail cutters
Mêches queue d'aronde

D	α	L2	S	Z	Ref.	
10,4	8°	13	8	2	Mida	A127.910.113.08
13,8	10°	16	10	2	Frama	A127.913.116.10
14,8	8°	19	12	2	Mida	A127.914.119.12
15	10°	15	12	2	Pinheiro	A127.015.115.12
15	14°	10	9	2	Nipuer	■ A127.015.110.09
	14°	10	10	2	Tupi	A127.015.110.10
	14°	10	W3/8"	2	Nipuer	■ A127.015.110.53
	14°	10	W3/8"	2	Vibemo	A127.015.310.53
	12°	12	9	2	Nipuer	■ A127.015.112.09
	12°	12	10	2	Tupi	A127.015.112.10
	12°	12	W3/8"	2	Nipuer	■ A127.015.112.53
	12°	12	W3/8"	2	Vibemo	A127.015.312.53
	10°	14	9	2	Nipuer	■ A127.015.114.09
	10°	14	10	2	Tupi	A127.015.114.10
	10°	14	W3/8"	2	Nipuer	■ A127.015.114.53
	10°	14	W3/8"	2	Vibemo	A127.015.314.53
	9,5°	15	9	2	Nipuer	■ A127.015.115.09
	9,5°	15	10	2	Tupi	A127.015.115.10
	9,5°	15	W3/8"	2	Nipuer	■ A127.015.115.53
	9,5°	15	W3/8"	2	Vibemo	A127.015.315.53
16	8°	23	12	2	Mida	A127.016.123.12
18,5	8°	26	12	2	Mida	A127.918.126.12
19	12°	18	12	2	Pinheiro	A127.019.118.12
20	8°	30	12	2	Mida	A127.020.130.12

■ Nipuer Automatic ■ Nipuer Manual

MEC HW

A127

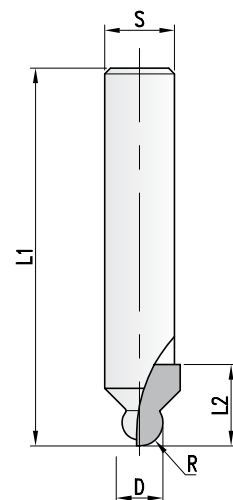


Profile cutter
Mêche profil

D	R	L2	S	Z	Ref.
6	3	12	12	1	A133.006.112.12
8	4	14	12	1	A133.008.114.12
10	5	17	12	1	A133.010.117.12

MAN HW

A133

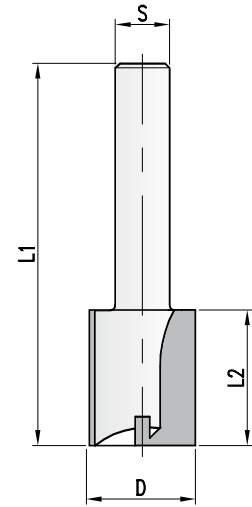


Grooving cutters
Mèche à défoncer

D	L2	L1	S	Z	Ref.
8	20	60	10x35	2	A101.008.120.10
10	25	70	10x35	2	A101.010.125.10
	40	90	12x45	2	A101.010.140.12
12	25	70	10x35	2	A101.012.125.10
	40	90	12x45	2	A101.012.140.12
14	25	70	10x35	2	A101.014.125.10
	40	90	12x45	2	A101.014.140.12
16	25	70	10x35	2	A101.016.125.10
	40	90	12x45	2	A101.016.140.12
18	25	70	10x35	2	A101.018.125.10
	40	90	12x45	2	A101.018.140.12
20	25	70	10x35	2	A101.020.125.10
	40	90	12x45	2	A101.020.140.12
22	25	70	10x35	2	A101.022.125.10
	40	90	12x45	2	A101.022.140.12
24	40	90	12x45	2	A101.024.140.12
25	25	70	10x35	2	A101.025.125.10
30	25	70	10x35	2	A101.030.125.10

MAN HW

A101



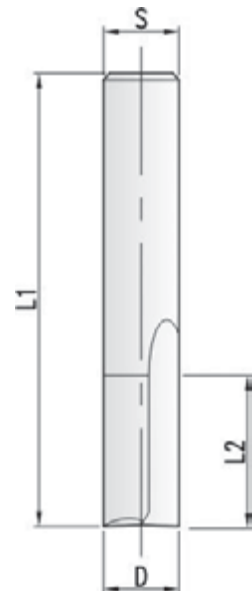
With center tip for plunge cutting.
Coupe frontale pour perçage.

Grooving cutters
Mèche à défoncer

D	L2	L1	S	Z	Ref.
2	7	6	6	2	A242.002.307.06
3	10	8	8	2	A242.003.310.08
4	12	8	8	2	A242.004.312.08
5	12	8	8	2	A242.005.312.08
6	12	8	8	2	A242.006.312.08
8	20	8	8	2	A242.008.118.08
10	20	10	10	2	A242.010.120.10
12	26	12	12	2	A242.012.126.12

MAN HW

A242

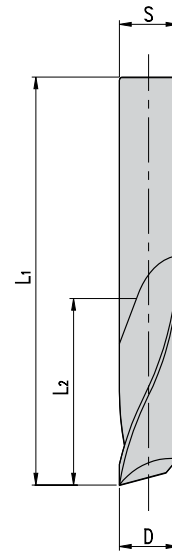


Finishing cutter, solid t.c.
Mèches de finition, carbure massif

D	L2	L1	S	Z	Ref.
3	12	50	3	1	Hp A244.003.112.03
4	15	50	4	1	Hp A244.004.115.04
5	17	50	5	1	Hp A244.005.117.05
6	22	70	6	1	Hp A244.006.122.06
8	22	80	8	1	Hp A244.008.122.08
10	32	80	10	1	Hp A244.010.132.10
12	32	90	12	1	Hp A244.012.132.12

MEC HW

A244

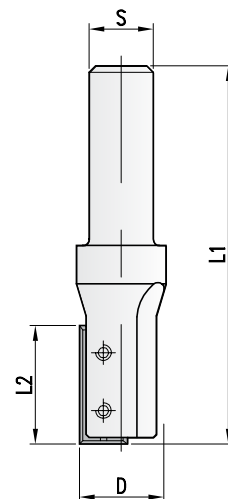


Grooving cutters with t.c. turnblades
Mèches à défoncer avec plaquettes réversibles

D	L2	L1	S	Z	Ref.
8	20	68	10	1	A508.008.120.10
	20	68	12	1	A508.008.120.12
10	20	68	10	1	A508.010.120.10
	20	68	12	1	A508.010.120.12
12	20	68	10	1	A508.012.120.10
	20	68	12	1	A508.012.120.12
14	30	74	10	1	A508.014.130.10
	30	74	12	1	A508.014.130.12
14	50	94	10	1	A508.014.150.10
	50	94	12	1	A508.014.150.12
15	30	74	10	1	A508.015.130.10
	30	74	12	1	A508.015.130.12

MAN HC

A508



Grooving cutter with S=8, see page 6.6.
Mèche avec S=8 voir page 6.6.

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	Ø8/12 20x5,5x1,1	758.501 ■
	Ø14/15 20x10x1,5	758.502 ■
	30x10x1,5	758.503 ■
	50x10x1,5	758.504 ■
Screw - Vis	Ø8/12 M2,5x2,5	705.100
	Ø14/15 M4x4	705.101
T Wrench- Clé en T	Ø8/12 SW1,3	706.149
	Ø14/15 SW2	706.151

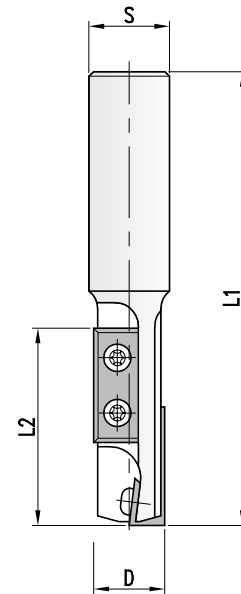
■ Coated hardmetal - Carbure revêtu

Router cutter with t.c. turnblades
Mèche à defoncer avec plaquettes reversibles

D	L2	L1	S	Z	Ref.
16	30	90	18	1+1	A258.016.130.18
	30	100	20	1+1	A258.016.130.20
	30	100	25	1+1	A258.016.130.25
18	50	110	18	1+1	A258.018.150.18
	50	120	20	1+1	A258.018.150.20
	50	120	25	1+1	A258.018.150.25
20	50	120	20	1+1	A258.020.150.20
	50	120	25	1+1	A258.020.150.25

MEC HW

A258



Spare parts - Pièces de rechange

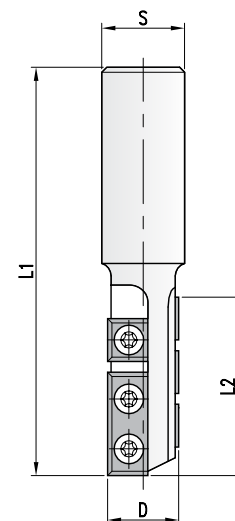
	Dim.	Ref.
Knife - Plaquette	29,5x12x1,5	753.207
	Ø16/18 7,5x12x1,5	750.097
	Ø20 9x12x1,5	750.096
Torx screw - Vis Torx	M4x4	705.353
	M3,5x5	705.352
Torx wrench - Clé Torx	T15	706.302

Router cutter with t.c. turnblades
Mèche à defoncer avec plaquettes reversibles

D	L2	L1	S	Z	Ref.
16	45	115	20	2	A509.016.145.20
18	50	120	20	2	A509.018.150.20
20	50	120	20	2	A509.020.150.20

MEC HW

A509



With center tip for plunge cutting.
 Coupe frontale pour perçage.



Router cutter with t.c. turnblades
Mèche à defoncer avec plaquettes reversibles

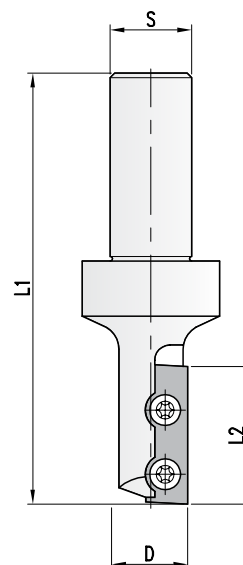
D	L2	L1	S	Z	Ref.
16	30	91	20	1	A257.016.130.20
	50	111	20	1	A257.016.150.20
18	30	91	20	1	A257.018.130.20
	50	111	20	1	A257.018.150.20

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	Ø16 9,5x 9x1,5	757.500
	49,5x 9x1,5	757.501
	Ø18 29,5x12x1,5	757.150
	49,5x12x1,5	757.151
Torx screw - Vis Torx	M3,5x5	705.352
Torx wrench - Clé Torx	T15	706.302

MEC HW

A257



Router cutter with t.c. turnblades
Mèche à defoncer avec plaquettes réversibles

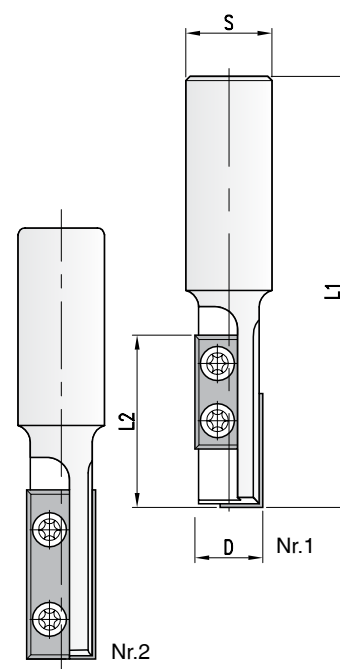
Nr.	D	L2	L1	S	Z	Ref.
1	16	35	105	20	1+1	A255.016.135.20
	20	50	125	20	1+1	A255.020.150.20
	22	55	135	20	1+1	A255.022.155.20
new 2	16	30	100	20	2	A255.016.230.20
new 16	16	50	120	20	2	A255.016.250.20
	20	50	125	20	2	A255.020.250.20

Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - Plaquette	1	29,5x12x1,5	753.207
	2	Ø16 29,5x9x1,5	753.204
	2	Ø16 49,5x9x1,5	753.304
	2	Ø20 49,5x12x1,5	753.307
	2	Ø16 M3,5x5	705.352
Torx screw - Vis Torx	1,2	M4x6	705.351
Torx wrench - Clé Torx		T15	706.302

MEC HW

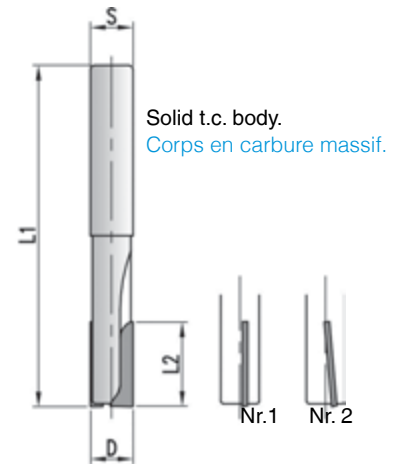
A255



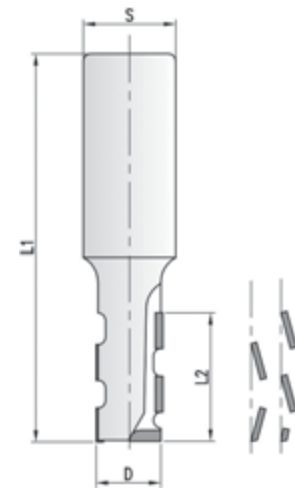
Nr.	D	L2	L1	S	Z	Ref.
1	4	10	60	4x30	1	A800.004.110.04
	5	10	60	5x30	1	A800.005.110.05
6	10	60	6x30	2		A800.006.110.06
6	15	60	6x30	2		A800.006.115.06
8	15	70	8x30	2		A800.008.115.08
10	20	70	10x30	2		A800.010.120.10
10	25	70	10x30	2		A800.010.125.10
2	6	10	60	6x30	2	A800.006.210.06
	8	15	70	8x30	2	A800.008.215.08
	10	20	70	10x30	2	A800.010.220.10

MEC DP

A800

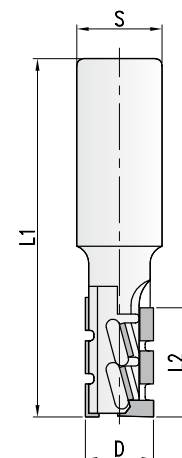


D	L2	L1	S	Z	Ref.LH	Ref.RH	
DP=3mm							
new	10	25	75	12x40	1+1	A800.010.125.12	
	12	25	75	12x40	1+1	A800.012.125.12	
	16	25	85	16x45	1+1	A800.016.125.16	
		35	95	16x45	1+1	A800.016.035.16	A800.016.135.16
	18	35	95	16x45	1+1	A800.018.035.16	A800.018.135.16
		35	105	20x55	1+1	A800.018.035.20	A800.018.135.20
	18	35	105	25x55	1+1	A800.018.035.25	A800.018.135.25
		43	100	16x45	1+1		A800.018.143.16
	43	110	20x55	1+1		A800.018.143.20	
		110	25x55	1+1	A800.018.043.25	A800.018.143.25	
new	20	35	105	20x55	1+1	A800.020.135.20	
new		35	105	25x55	1+1	A800.020.135.25	
new	20	43	110	20x55	1+1	A800.020.143.20	
new		43	110	25x55	1+1	A800.020.143.25	
new	20	52	120	20x55	1+1	A800.020.152.20	
new		52	120	25x55	1+1	A800.020.152.25	



With T.C. center tip for plunge cutting.
Coupe frontale en carbure rapporté pour perçage.

D	L2	L1	S	Z	Ref.	
DP=3mm						
	20	35	105	20x50	2	A800.020.235.20
		35	105	25x55	2	A800.020.235.25
new	20	43	110	20x55	2	A800.020.243.20
new		43	110	25x55	2	A800.020.243.25
new	20	52	120	20x55	2	A800.020.252.20
new		52	120	25x55	2	A800.020.252.25



With DP center tip for plunging.
Coupe frontale en carbure rapporté pour perçage.

Policristaline Diamond router cutter with a excellent cutting quality and increased performance times on veneered parts.

Extremely economical in price.

One or two times resharpening.

Mèche en Diamant Polycristallin pour défonçage de panneau brut ou revêtu avec une excellente qualité de coupe.

Très économique.

Réaffûtable une ou deux fois.

RPM : 18000 - 36000

Z1 : Vf= 4-8 m/min

Z1+1 : Vf= 4-8 m/min

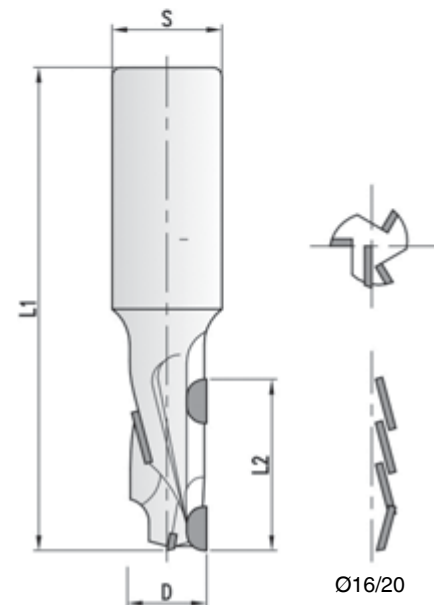
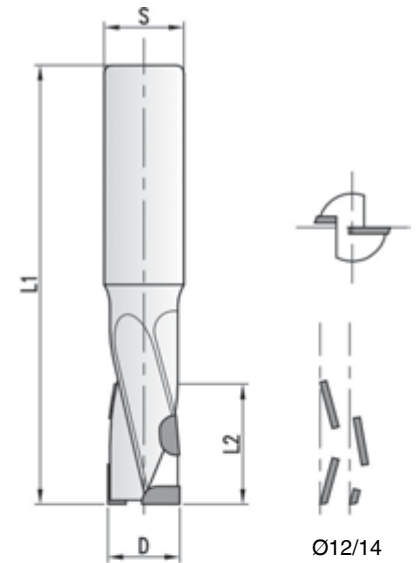
Z2 : Vf= 5-20 m/min



D	L2	L1	S	Z	Ref.LH	Ref.RH
DP=4mm						
12	26	90	16x50	1+1		A820.012.126.16
14	26	90	16x50	1+1		A820.014.126.16
16	26	90	16x50	1+1		A820.016.126.16
	35	100	16x50	1+1		A820.016.135.16
18	26	95	20x55	1+1	A820.018.026.20	A820.018.126.20
	26	95	25x55	1+1		A820.018.126.25
	35	105	20x55	1+1	A820.018.035.20	A820.018.135.20
	35	105	25x55	1+1		A820.018.135.25
	43	110	20x55	1+1	A820.018.043.20	A820.018.143.20
	43	110	25x55	1+1		A820.018.143.25
20	35	105	20x55	1+1		A820.020.135.20
	35	105	25x55	1+1		A820.020.135.25
	43	110	20x55	1+1		A820.020.143.20
	43	110	25x55	1+1		A820.020.143.25
	52	120	20x55	1+1		A820.020.152.20
	52	120	25x55	1+1		A820.020.152.25

MEC DP

A820



RPM : 18000 - 36000
Z1+1 : Vf= 4-8 m/min

With T.C. center tip for plunge cutting.
Coupe frontale en carbure rapporté pour perçage.

Diamond grooving cutter
Fraise à défoncer



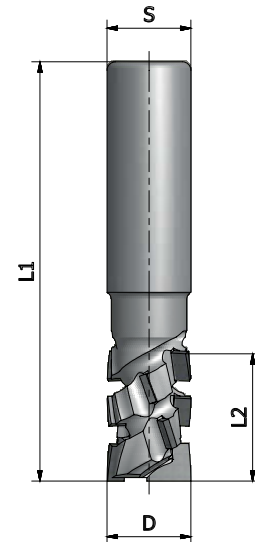
	D	L2	L1	S	Z	Ref.
DP=4mm						
new	20	35	105	20x55	2	A822.020.235.20
new		35	105	25x55	2	A822.020.235.25
new	20	43	110	20x55	2	A822.020.243.20
new		43	110	25x55	2	A822.020.243.25
new	20	52	120	20x55	2	A822.020.252.20
new		52	120	25x55	2	A822.020.252.25

Grooving cutter with down cut hélix to secure the stability of the board when held by vacuum. Significant DP re-sharpening height.

Fraise à défoncer avec hélice négative à fin de garantir la stabilité du matériel à couper sous serrage à vide. Longue durée de vie de l'outil.

A822

MEC DP



RPM : 18000 - 36000
Z2 : Vf= 5-30 m/min

Diamond grooving cutter
Fraise à défoncer, DP



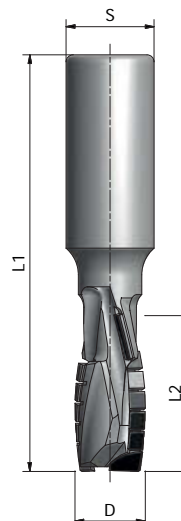
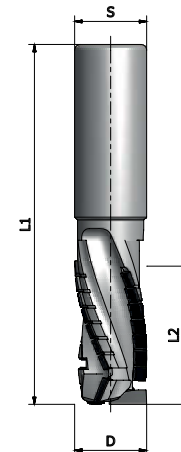
	D	L2	L1	S	Z	Ref.LH	Ref.RH
DP=3mm							
	12	28	75	12x40	3	A821.012.028.12	A821.012.128.12
DP=4,5mm							
	20	28	105	20x55	3	A821.020.028.20	A821.020.128.20
		28	105	25x55	3	A821.020.028.25	A821.020.128.25
		38	110	20x55	3	A821.020.038.20	A821.020.138.20
		38	110	25x55	3	A821.020.038.25	A821.020.138.25
		48	125	20x55	3	A821.020.048.20	A821.020.148.20
		48	125	25x55	3	A821.020.048.25	A821.020.148.25
	25	28	105	20x55	3	A821.025.028.20	A821.025.128.20
		28	105	25x55	3	A821.025.028.25	A821.025.128.25
		38	110	20x55	3	A821.025.038.20	A821.025.138.20
		38	110	25x55	3	A821.025.038.25	A821.025.138.25
		48	125	20x55	3	A821.025.048.20	A821.025.148.20
		48	125	25x55	3	A821.025.048.25	A821.025.148.25

■ High alloy steel with increased stability.
Corps en acier d'haute densité, pour meilleure stabilité de l'outil.

	D	L2	L1	S	Z	Ref.LH	Ref.RH
DP=4,5mm							
	20	28	110	25x55	3	A821.020.328.25	A821.020.228.25
	25	38	115	25x55	3	A821.025.338.25	A821.025.238.25
	48	130	25x55	3	3	A821.025.348.25	A821.025.248.25

A821

MEC DP



RPM : 18000 - 30000
Z3 : Vf= 12-30 m/min



	D	L2	L1	S	Z	Ref.
DP=3mm						
new	20	28	105	20x55	1+1	A826.020.128.20
new		28	105	25x55	1+1	A826.020.128.25
new	20	35	110	20x55	1+1	A826.020.135.20
new		35	110	25x55	1+1	A826.020.135.25
new	25	35	110	20x55	2+2	A826.025.135.20
new		35	110	25x55	2+2	A826.025.135.25
new	25	50	120	20x55	2+2	A826.025.150.20
new		50	120	25x55	2+2	A826.025.150.25

Advantages:

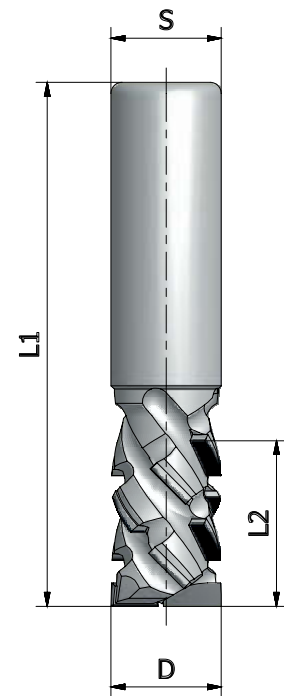
- Tool suitable for high feed speeds, up to 45 mt/min.
- New cut geometry with high shear angle.
- Excellent finishing on the board and board edges.
- Ideal for edge banding machines with laser technology.
- Suitable to work in solid wood.

Avantages:

- Outil indiqué pour des grandes vitesse d'avance, jusqu'à 45m/min.
- Nouvelle géométrie de coupe avec angle d'axe élevé.
- Excellente qualité de finition et présentation de bords parfait sur les panneaux.
- Outil idéal pour plaqueuses de chants avec technologie à laser.
- Approprié pour le travail du bois massif.

MEC DP

A826



RPM : 18000 - 30000
Z1+1 : Vf= 9-24 m/min
Z2+2 : Vf= 12-45 m/min

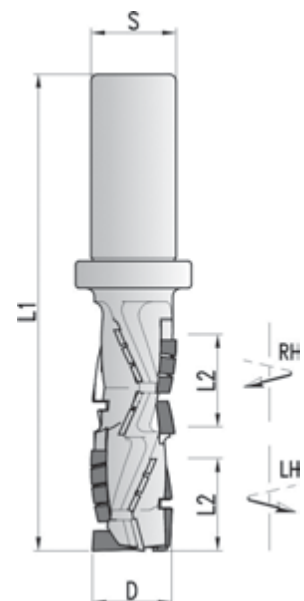
RH / LH diamond grooving cutter
Fraise DP à défoncer RH / LH



	D	L2	L1	S	Z	Ref.
DP=4mm						
	25	25	135	25x55	3+3	A824.025.125.25
		30	125	25x55	3+3	A824.025.230.25

MEC DP

A824

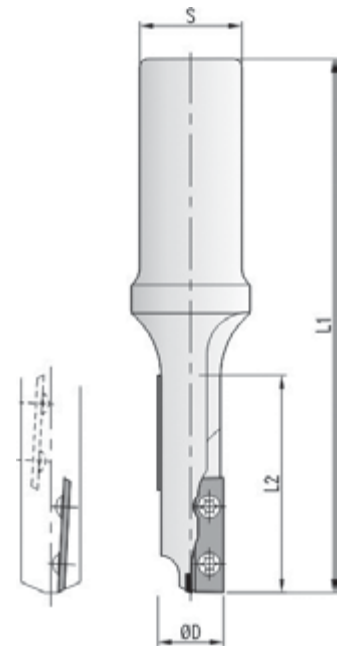


Router cutter with t.c. turnblades
Mèche à défoncer avec plaquettes réversibles

D	L2	L1	S	Z	Ref.
16	50	125	20	1+1	A521.016.150.20
	50	125	25	1+1	A521.016.150.25
new	20	50	125	2+2	A521.020.150.20
new	50	125	25	2+2	A521.020.150.25

MEC HW

A521



Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	28x7x1,5	757.550
Torx screw - Vis Torx	M3x4	705.356.04
Torx wrench - Clé Torx	T9	706.301

Constant diameter, with alternate shear angle and bottom plunging tip.
 Suitable to work on veneered panels, specially to cut out the inside of doors.

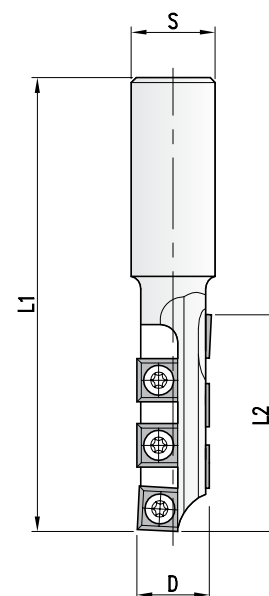
Diamètre de coupe constant, avec angle axial alterne et coupe centrale pour perçage.
 Pour usinage de panneaux avec revêtement sur les deux faces, spécialement pour la découpe interne de portes.

Router cutter with t.c. turnblades
Mèche à défoncer avec plaquettes réversibles

D	L2	L1	S	Z	Ref.
22	42	115	20	1	A515.022.142.20
	42	115	25	1	A515.022.142.25
22	60	131	20	1	A515.022.160.20
	60	131	25	1	A515.022.160.25

MEC HW

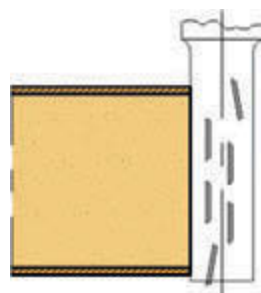
A515



Spare parts - Pièces de rechange

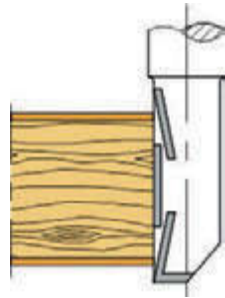
	Dim.	Ref.
Knife - Plaquette	12x12x1,5	754.102
	12x12x1,5	■ 752.100
Torx screw - Vis Torx	M4x6	705.351
Torx wrench - Clé Torx	T15	706.302

■ For MDF and abrasive material.
 Pour MDF et matériel abrasif.



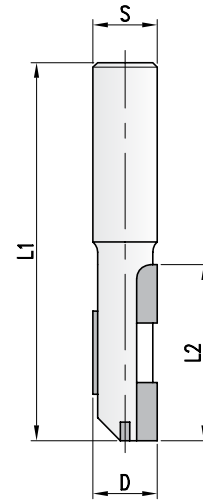
Router cutters for light openings
Mèches occulus

D	L2	L1	S	Z	Ref.
14	50	110	12x50	1+1	A109.014.150.12
	50	110	14x50	1+1	A109.014.150.14



MAN HW

A109



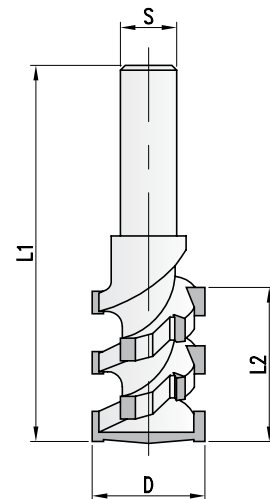
With center tip for plunge cutting.
 Coupe frontale pour perçage.

Roughing cutters
Mèche hélicoïdale d'ébauche

D	L2	L1	S	Z	Ref.
20	40	95	12	3	A376.020.140.12
	40	105	18	3	A376.020.140.18
	40	115	20	3	A376.020.140.20
30	40	105	18	6	A376.030.140.18
	40	110	20	6	A376.030.140.20
30	60	115	18	6	A376.030.160.18
	60	127	20	6	A376.030.160.20
	60	127	25	6	A376.030.160.25

MEC HW

A376



With center tip for plunge cutting.
 Coupe frontale pour perçage.

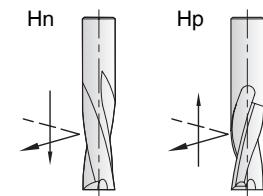
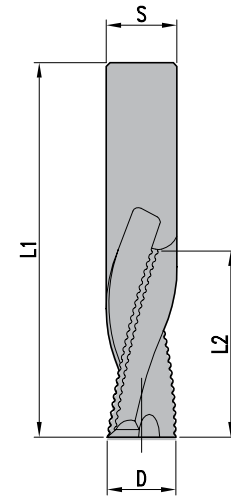
Roughing cutter, solid t.c.
Mèches d'ébauche, carbure massif

D	L2	L1	S	Z	Ref. Hn	Ref. Hp
8	32	80	8	2	A240.008.332.08	A240.008.132.08
10	32	80	10	2	A240.010.432.10	A240.010.232.10
12	42	90	12	2	A240.012.442.12	A240.012.242.12

D	L2	L1	S	Z	Ref. Hn	Ref. Hp
8	32	80	8	3	A240.008.532.08	A240.008.432.08
10	32	80	10	3	A240.010.332.10	A240.010.132.10
10	42	90	10	3		A240.010.142.10
12	42	90	12	3	A240.012.342.12	A240.012.142.12
14	50	110	14	3	A240.014.350.14	A240.014.150.14
16	35	90	16	3	A240.016.335.16	A240.016.135.16
16	55	110	16	3	A240.016.355.16	A240.016.155.16
18	55	110	18	3	A240.018.355.18	A240.018.155.18
20	60	120	20	3	A240.020.360.20	A240.020.160.20
20	75	135	20	3	A240.020.375.20	A240.020.175.20

MEC HW

A240



Negative helix Hélixe négative
 Positive helix Hélixe positive

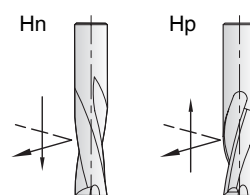
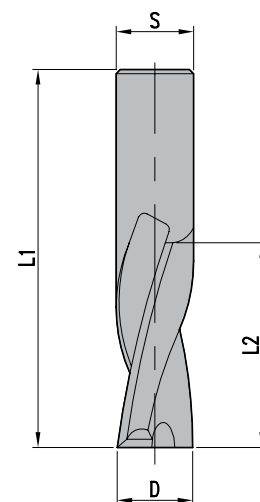
Finishing cutter, solid t.c.
Mèches de finition, carbure massif

D	L2	L1	S	Z	Ref. Hn	Ref. Hp
3	12	50	3	2	A241.003.312.03	A241.003.112.03
4	15	50	4	2	A241.004.315.04	A241.004.115.04
5	17	50	5	2	A241.005.317.05	A241.005.117.05
6	22	70	6	2	A241.006.322.06	A241.006.122.06
8	32	80	8	2	A241.008.332.08	A241.008.132.08
10	32	80	10	2	A241.010.432.10	A241.010.232.10
12	42	90	12	2	A241.012.442.12	A241.012.242.12

D	L2	L1	S	Z	Ref. Hn	Ref. Hp
8	32	80	8	3		A241.008.432.08
10	32	80	10	3	A241.010.332.10	A241.010.132.10
10	42	90	10	3		A241.010.142.10
12	42	90	12	3	A241.012.342.12	A241.012.142.12
14	50	110	14	3	A241.014.350.14	A241.014.150.14
16	35	90	16	3	A241.016.335.16	A241.016.135.16
16	55	110	16	3	A241.016.355.16	A241.016.155.16
18	55	110	18	3	A241.018.355.18	A241.018.155.18
20	60	120	20	3	A241.020.360.20	A241.020.160.20
20	75	135	20	3	A241.020.375.20	A241.020.175.20

MEC HW

A241

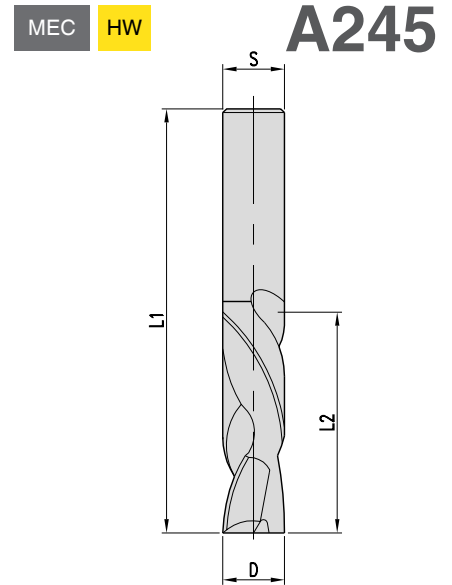


Negative helix Hélixe négative
 Positive helix Hélixe positive



Finishing cutter, solid t.c. (pos-neg)
Mèches de finition, carbure massif (pos-neg)

	D	L2	L1	S	Z	Ref.
new	6	25	70	6	2+2	A245.006.125.06
	8	32	80	8	2+2	A245.008.132.08
	10	32	80	10	2+2	A245.010.132.10
	12	42	90	12	2+2	A245.012.142.12
	16	55	110	16	2+2	A245.016.155.16
	18	55	110	18	2+2	A245.018.155.18



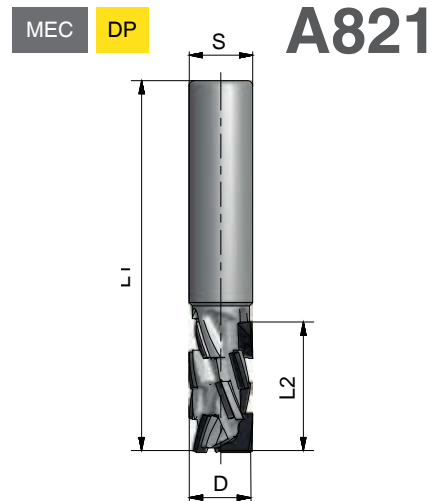
Grooving cutter for NESTING operations
Fraise à défoncer pour application de NESTING



	D	L2	L1	S	Z	Ref.
	DP=3mm					
new	12	24	80	12	3+3	A821.012.124.12

Cutter specially designed for NESTING Operations. DP cutting edges with high density steel body to secure stability and durability of the tool when doing high feed speed cuts. Up cut and down cut design. The main down cut helix guarantees the stability of the vacuum held board enhancing a very good finishing on the cut board.

Fraise à défoncer pour application de NESTING avec corps en acier d'haute densité pour une meilleure stabilité et durabilité de l'outil. Angle d'hélice positif et négatif. L'orientation négative de l'hélice assure la stabilité du matériel à couper sous serrage à vide et une finition de qualité supérieure.

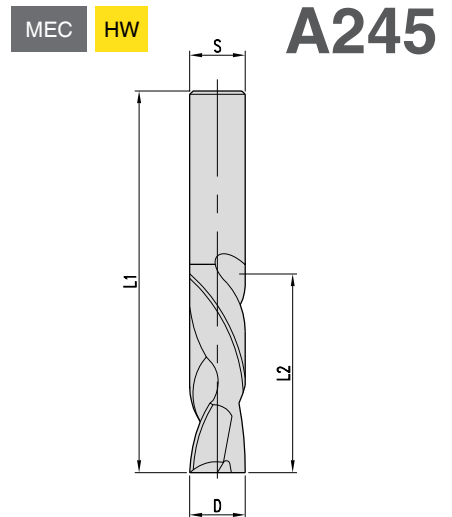


RPM : 18000 - 30000
 Z3+3 : Vf= 10-20 m/min

	D	L2	L1	S	Z	Ref.
new	10	24	80	10	3	A245.010.324.10
new	12	24	80	12	4	A245.012.324.12

Finishing Cutter specially designed for NESTING Operations. With special dedicated carbide body for Chipboard and MDF guaranteeing maximum stability and durability of the tool when doing high feed speed cuts. Up cut and down cut design. The main down cut helix guarantees the stability of the vacuum held board enhancing a very good finishing of the cut board.

Mèches de Finition pour application de NESTING avec corps en metal dur spécial pour la coupe d'aggloméré et MDF, ce qui garantie une meilleure stabilité et durabilité de l'outil. Angle d'hélice positif et négatif. Hélice négative à fin de garantir la stabilité du matériel à couper sous serrage à vide, permettant une finition de qualité supérieure.



RPM : 18000 - 36000
 Z3 : Vf= 12-30 m/min

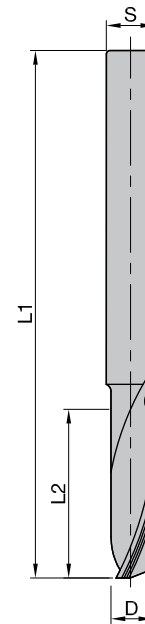
	D	L2	L1	S	Z	Ref. Hn	Ref. Hp
new	3	12	50	3	1	A070.003.312.03	A070.003.112.03
new	4	15	50	4	1	A070.004.315.04	A070.004.115.04
new	5	17	50	5	1	A070.005.317.05	A070.005.117.05
new	6	22	60	6	1	A070.006.322.06	A070.006.122.06
new	8	22	80	8	1	A070.008.322.08	A070.008.122.08
new	10	32	80	10	1	A070.010.332.10	A070.010.132.10
new	12	32	90	12	1	A070.012.332.12	A070.012.132.12

Router for acrylics and plastics. New cut geometry with polished edge allowing for optimized chip flow. Down or up cut design according with the application needs.

Fraise pour fraisage d'acrylique et matériaux plastiques avec une géométrie de coupe innovante et l'optimisation du drainage des copeaux. Outil avec hélice positif et négatif en fonction de son utilisation sur une surface poli et à faible rugosité.

MEC HW

A070



RPM : 10000 - 36000
Z1 : Vf= 3-10 m/min

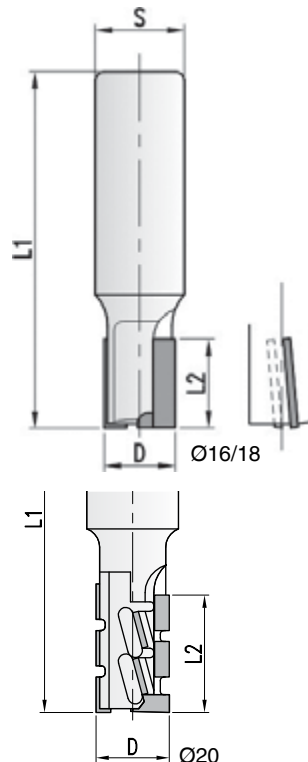
Diamond grooving cutter for solid surface
Fraise à défoncer, DP



	D	L2	L1	S	Z	Ref.
	DP=4,5mm					
	16	20	85	20x55	2	A823.016.120.20
	18	25	90	20x55	3	A823.018.225.20
	20	35	100	20x55	2	A823.020.135.20
new		48	115	20x55	2	A823.020.148.20

MEC DP

A823



RPM : 18000 - 30000
Z2/3 : Vf= 3-5 m/min

- High alloy steel with increased stability.
Corps en acier d'haute densité, pour une meilleure stabilité de l'outil.

Grooving cutter with special grinding suitable for working plastic material, HPL, TRESPA, Corian, etc. HPL, TRESPA, Corian, etc.

Fraise à défoncer avec affûtage spécial particulièrement adapté pour le travail du plastique, HPL, TRESPA, Corian, etc.

Jointing and rebating cutterhead Porte-outils à feuillurer

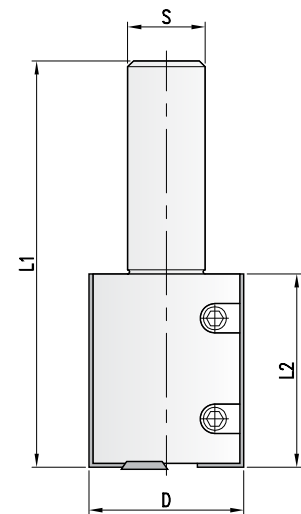
D	L2	L1	S	Z	V	Ref.
40	30	75	18	2	2	A375.040.130.18
	30	85	20	2	2	A375.040.130.20
	30	85	25	2	2	A375.040.130.25
	50	95	18	2	2	A375.040.150.18
	50	105	20	2	2	A375.040.150.20
	50	105	25	2	2	A375.040.150.25

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	30x12x1,5	750.104
	50x12x1,5	750.106
Clamping wedge - Cale		707.760
		707.762
Screw - Vis	M6x10	705.352
Spur - Araseurs	14x14x2	750.111
Torx screw - Vis Torx	M5x6	705.425
Torx wrench - Clé Torx	T15	706.304
T Wrench - Clé en T	SW3	706.103

MAN HW

A375



Jointing and rebating cutterset Porte-outils à feuillurer

D	L2	L1	S	Z	V	Ref.
80	80	147	20	2 (16)	2	A259.080.180.20 ■
	80	152	25	2 (16)	2	A259.080.180.25 ■

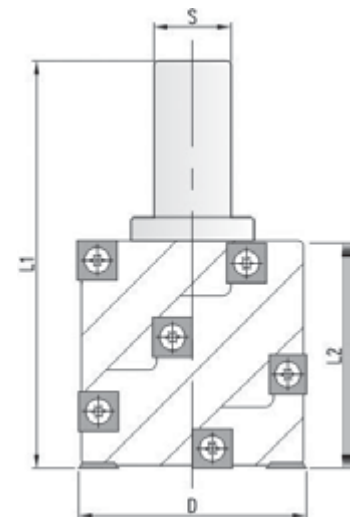
■ Light alloy body - Corps en alliage léger

Spare parts - Pièces de rechange

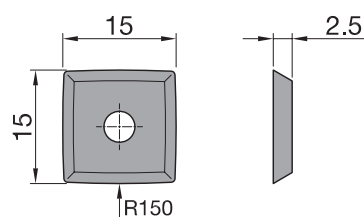
	Dim.	Ref.
Knife - Plaquette	15x15x2,5	754.106
Screw - Vis	M5x14	705.320.13
Spur - Araseurs	14x14x2	750.111
Torx screw - Vis Torx	M5x6	705.425
Torx wrench - Clé Torx	T15	706.304
	T20	706.305

MAN HW

A259



Cutterset composed by cutter and arbor
Jeu composé par fraise et arbre



Planing router cutter with t.c. turnblades Outil pour surfacage à plaquettes reversibles

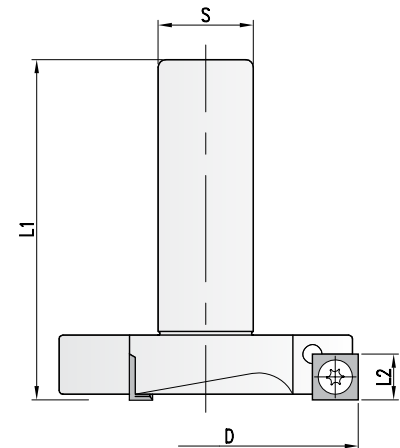
D	L2	L1	S	Z	Ref.
80	12	75	20	3	A517.080.112.20
	12	75	25	3	A517.080.112.25

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	12x12x1,5	754.102
Torx Screw - Vis Torx	M4x6	705.351
Torx wrench - Clé Torx	T15	706.302

MEC HW

A517



Jointing cutterhead Porte-outils à calibrer

D	B	d	Z	Ref.
85	56	20	2+2	535.085
100	56	30	3+3	535.086

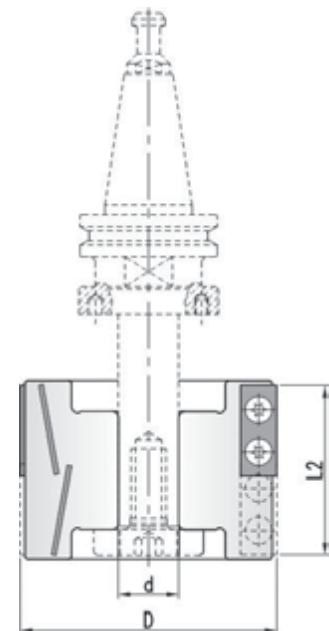
■ Light alloy body - Corps en alliage léger

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	30x12x1,5	752.102
Torx Screw - Vis Torx	M4x6	705.351
Torx wrench - Clé Torx	T15	706.302

MEC HW

535



Cutterhead with light alloy body, can be used either in right or left hand rotation. Arbor with shank not included.

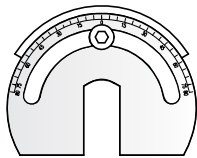
Porte outils avec corps en alliage léger, avec emplacement de plaquette gauche et droite pour permettre un montage en rotation gauche et droite. Arbre vendu séparément.

Vari-angle cutterhead Porte-outils multi-pentes

D	D _{max.}	L2	L1	S	Z	Ref.
105	121	40	90	20	2	A504.100.140.20
	121	40	90	25	2	A504.100.140.25

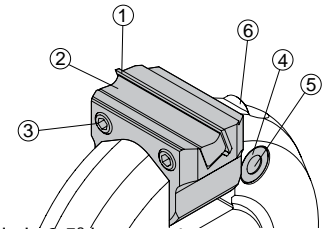
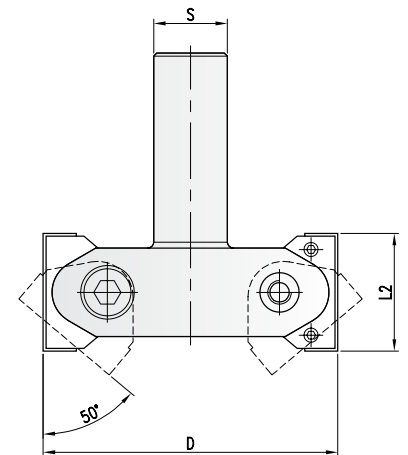
Spare parts - Pièces de rechange

nr.	Dim.	Ref.
1 Knife - <i>Plaquette</i>	40x12x1,5	750.105
2 Clamping wedge - <i>Cale</i>		707.761
3 Screw - <i>Vis</i>	M6x10	705.532
4 Blocking sleeve - <i>Écrou de serrage</i>		709.703
5 Screw - <i>Vis</i>	M8x25	705.343
6 Screw - <i>Vis</i>	M8x45	705.344
7 T Wrench - <i>Clé en T</i>	SW4	706.104



Ref. 726.102
Scale in 1° increment
Échelle avec 1° espacement

MAN HW A504



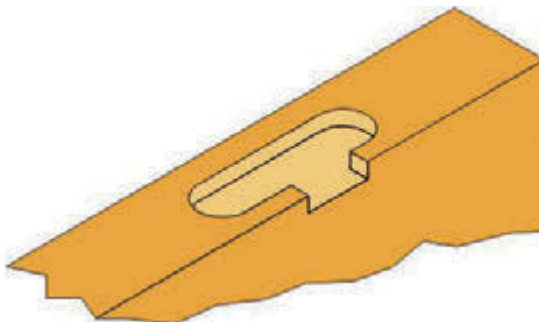
Scale in 2,5° increment
Échelle avec 2,5° espacement

Hinge cutter Fraise à façonner

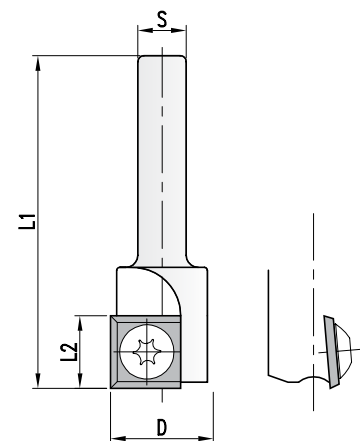
D	L2	L1	S	Z	Ref.LH	Ref.RH
16	12	64	12x40	1	A516.016.012.12	A516.016.112.12

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - <i>Plaquette</i>	12x12x1,5	754.102
Torx Screw - <i>Vis Torx</i>	M4x6	705.351
Torx wrench - <i>Clé Torx</i>	T15	706.302



MAN HW A516

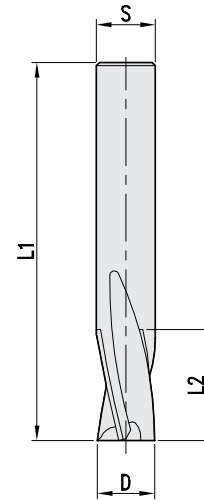
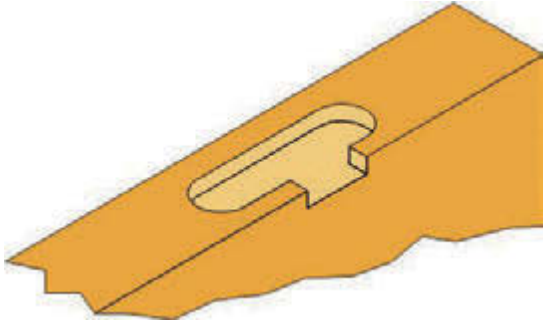


Hinge cutter
Fraise à façonner

D	L2	L1	S	Z	Ref.LH	Ref.RH
10	10	64	10X40	2	A247.010.010.10	A247.010.110.10
12	10	64	12x40	2	A247.012.010.12	A247.012.110.12
12	10	64	12x40	3	A247.012.210.12	A247.012.310.12

MAN HW

A247



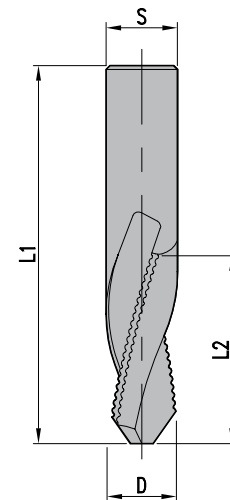
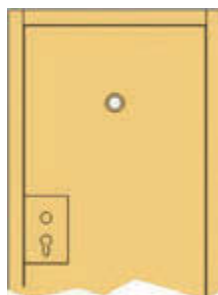
Keyholes and spy holes cutter

Pour perçage et défonçage des trous pour emplacement de cylindres de portes et judas

D	L2	L1	S	Z	Ref.Hp
14	50	110	14	3	A246.014.150.14
16	55	110	16	3	A246.016.155.16

MEC HW

A246



Lockset cutter
Mèche d'ébauche pour fermeture

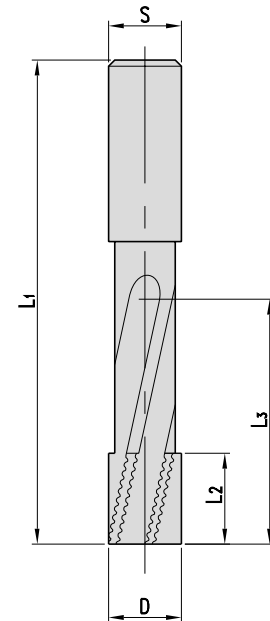
D	L2	L1	S	Z	Ref.
14	95	155	14	3	A243.014.130.14
16	115	175	16	3	A243.016.130.16
	95	150	16	3	A243.016.230.16
18	115	175	18	3	A243.018.130.18
	95	150	18	3	A243.018.230.18

MEC HW

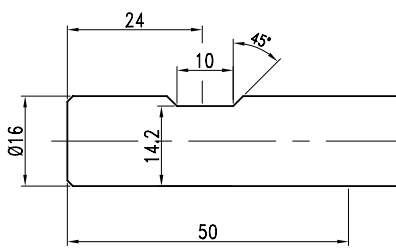
A243

For applications in flank-clamping chucks please state type of shank or enclose a detailed sketch or sample.

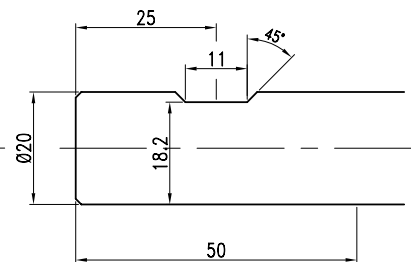
Pour application en systèmes de fixation pour agrégats fixes ou déplaçables en machines CN, indiquer le type d'attachement ou joindre un croquis ou modèle.



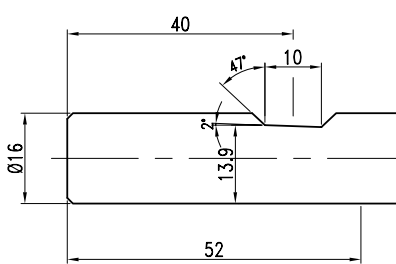
DIN 6535-HB 16



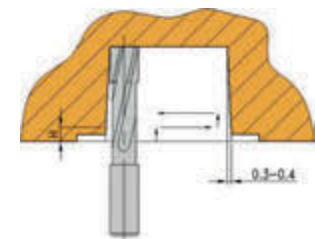
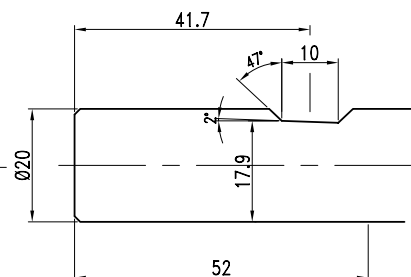
DIN 6535-HB 20



Homag / Weeke Ø16



Homag / Weeke Ø20



H=4 - 15mm
 Dependent on type of wood.
 Dépend du type de bois.

Lockset cutter

Mèche d'ébauche pour fermeture

D	L2	L3	L1	S	Z	Ref.
16	16	105	150	16x45	2	A522.016.116.16
16	16	105	170	16x55	2	A522.016.216.16

Spare parts - Pièces de rechange

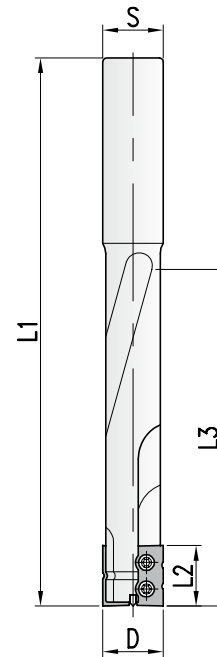
	Dim.	Ref.
Knife - Plaquette	16x7x1,5	A 757.551
	16x7x1,5	B 757.552
Torx Screw - Vis Torx	M3x4	705.356.04
Torx wrench - Clé Torx	T9	706.301

For applications in flank-clamping chucks please state type of shank or enclose a detailed sketch or sample.

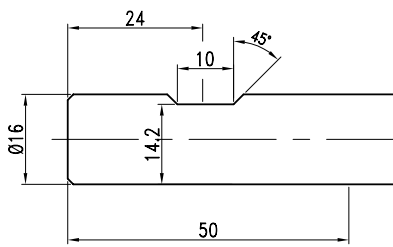
Pour application en systèmes de fixation pour agrégats fixes ou déplaçables en machines CN, indiquer le type d'attachement ou joindre un croquis ou modèle.

MEC HW

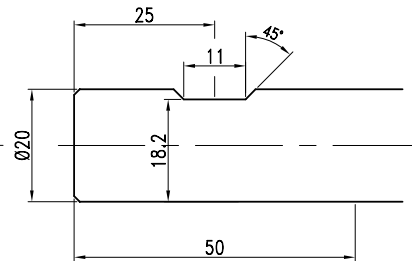
A522



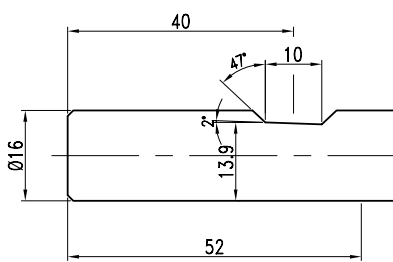
DIN 6535-HB 16



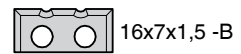
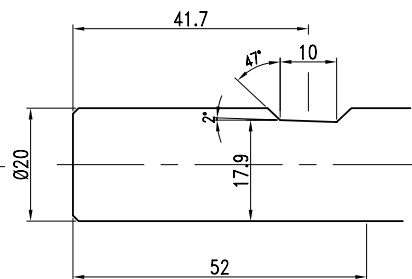
DIN 6535-HB 20



Homag / Weeke Ø16



Homag / Weeke Ø20



Advantages:

- Constant cutting diameter.
- Knife with longer wear resistance and running time, when compared with solid carbide tool.
- High alloy steel with increased stability.

Avantages:

- Diamètre de coupe constant.
- Couteau de grande résistance et durée de vie rallongée, pareille à un outil en carbure massif.
- Corps en acier d'haute densité, pour meilleure stabilité de l'outil.



H=4 - 15mm
Dependent on type of wood.
Dépend du type de bois.

Lockset diamond cutter
Mèche d'ébauche pour fermeture, DP



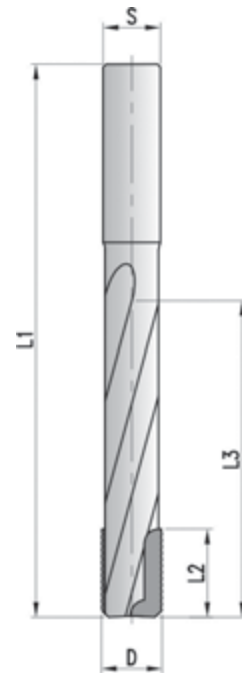
D	L2/L3	L1	S	Z	Ref.
17	25/90	155	16	2	A812.017.125.16

MEC DP

A812

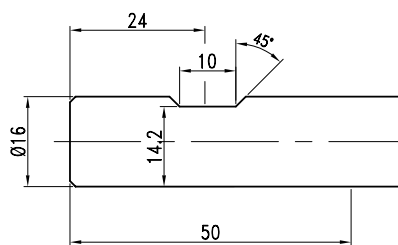
For applications in flank-clamping chucks please state type of shank or enclose a detailed sketch or sample.

Pour application en systèmes de fixation pour agrégats fixes ou déplaçables en machines CN, indiquer le type d'attachement ou joindre un croquis ou modèle.

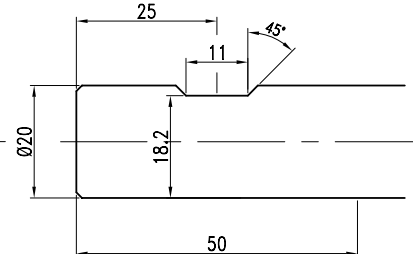


Solid t.c. body
 Corps en carbure massif

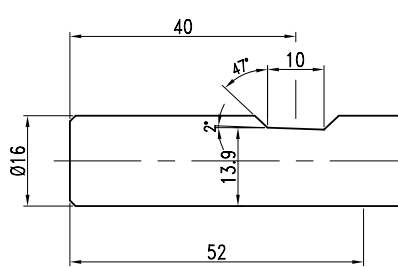
DIN 6535-HB 16



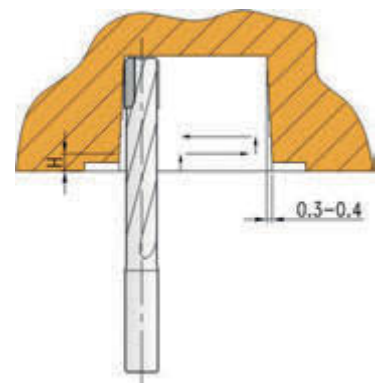
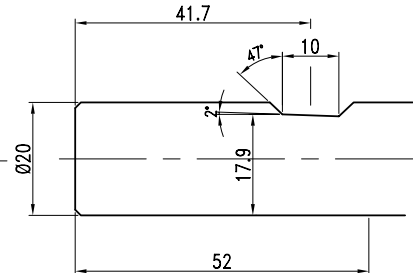
DIN 6535-HB 20



Homag / Weeke Ø16



Homag / Weeke Ø20



H=4 - 15mm
 Dependent on type of wood.
 Dépend du type de bois.

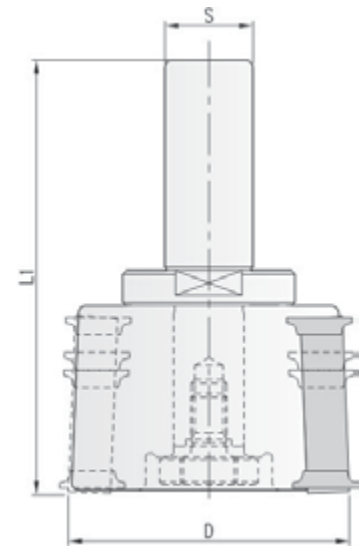
Rebating - outside door profile
Porte-outils pour dressage de portes

Nr.	D	L1	S	Z	C	Ref.
1	80	115	20	2	2+2	A520.080.150.20
2	80	115	20	2	2+2	A520.080.250.20

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - <i>Plaque</i>	50x12x1,5	750.106
Clamping wedge - <i>Cale</i>		707.002.48
Screw - <i>Vis</i>	M8x12	705.541
Rounding blade - <i>Arrondisseur</i>	R1,5	780.205
Groover - <i>Rainureuse</i>	45°	780.103
Screw - <i>Vis</i>	M5x13,5	705.318
T Wrench - <i>Clé en T</i>	SW2,5	706.102
	SW4	706.104

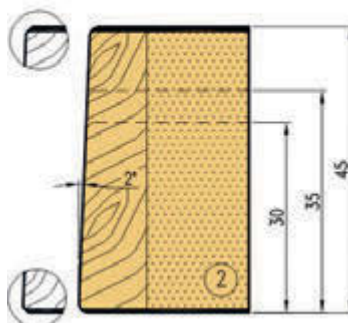
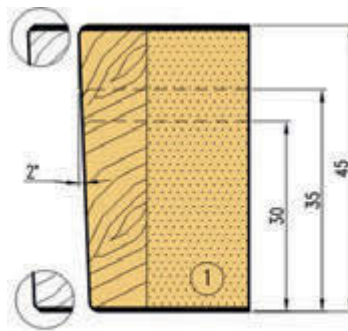
MEC HW A520



Cutterheads supplied with rounding blade R=1,5
 Porte-outils fournis avec arrondisseurs R=1,5



Photo Porama S.A.



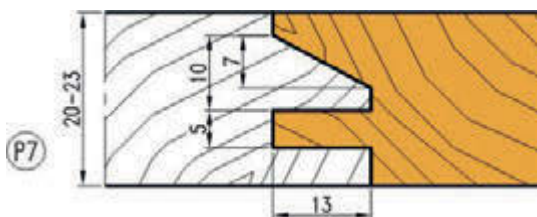
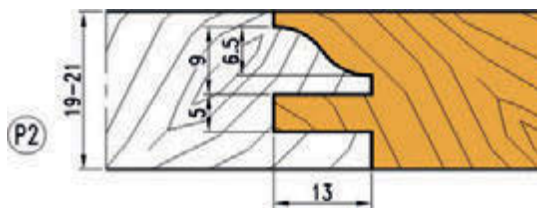
Profiles and counterprofiles for furniture doors
Profil et contre-profil de portes de meuble

Nr.	D	L2	d	Z	V	Ref.
1	P2	106	30	20	2	A518.106.225.20 •
	P7	106	30	20	2	A518.106.725.20 •
2	P2	106	20	20	2	A518.206.225.20 •
	P7	106	20	20	2	A518.206.725.20 •
3		106	12	20	2	A518.106.012.20 •

• Under request, light alloy body - *Sur demande, corps en alliage léger*

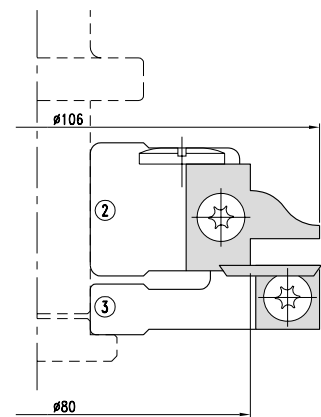
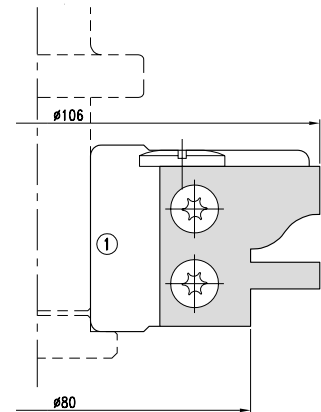
Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - <i>Plaquette</i>	1 30x30x2	P2 790.101
	1 30x30x2	P7 790.103
	2 20x25x2	P2 790.104
	2 20x25x2	P7 790.106
	3 12x12x1,5	754.102
Torx screw - <i>Vis Torx</i>	M4x9	705.354
Spur - <i>Araseurs</i>	3 14x14x2	750.111
Torx screw - <i>Vis Torx</i>	M5x6	705.425
Torx wrench - <i>Clé Torx</i>	T15	706.304

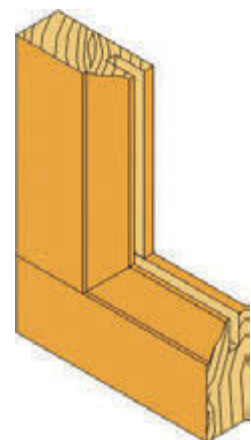


MEC HW

A518



Arbor with shank not included.
Arbre porte-fraises vendu séparément.

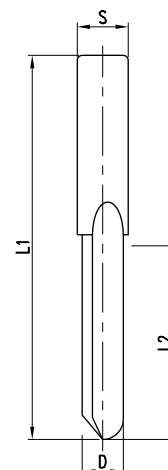


Carving bit
Mèche à sculpter

D	R	L2	L1	S	Z	Ref. LH	Ref. RH
3	1,5	12	85	11	1	A236.003.012.11	A236.003.112.11
4	2	20	85	11	1	A236.004.020.11	A236.004.120.11
5	2,5	30	85	11	1	A236.005.030.11	A236.005.130.11
6	3	30	85	11	1	A236.006.030.11	A236.006.130.11
8	4	40	85	11	1	A236.008.040.11	A236.008.140.11
10	5	40	85	11	1	A236.010.040.11	A236.010.140.11

MEC HS

A236

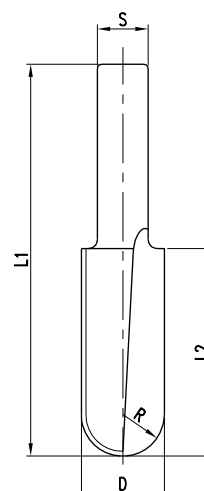


Carving bit
Mèche à sculpter

D	R	L2	L1	S	Z	Ref. LH	Ref. RH
10	5	40	85	11	2	A238.010.040.11	A238.010.140.11
12	6	40	85	11	2	A238.012.040.11	A238.012.140.11
14	7	40	85	11	2	A238.014.040.11	A238.014.140.11
15	7,5	45	85	11	2	A238.015.045.11	A238.015.145.11
18	9	45	85	11	2	A238.018.045.11	A238.018.145.11
20	10	45	85	11	2	A238.020.045.11	A238.020.145.11
24	12	45	85	11	2	A238.024.045.11	A238.024.145.11

MEC HS

A238



Folding cutterhead Porte-outils pour pliage

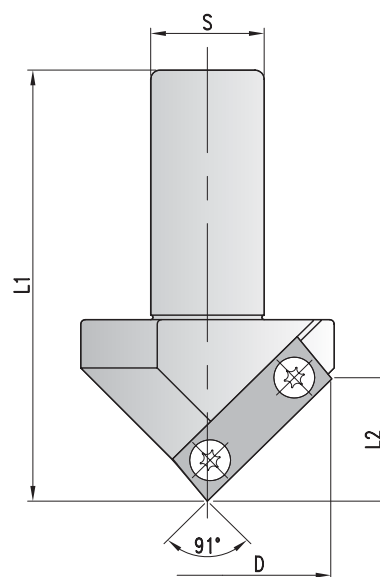
	D	α	L2	L1	S	Z	Ref.
new	55	91°	24	95	20	1	A525.055.124.20
	55	91°	24	95	25	1	A525.055.124.25
new	71	91°	35	105	20	1	A525.071.135.20
	71	91°	35	105	25	1	A525.071.135.25

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	39,5x12x1,5	757.250
	49,5x12x1,5	757.251
Torx screw - Vis Torx	M4x6	705.351
Torx wrench - Clé Torx	T15	706.302

MEC HW

A525



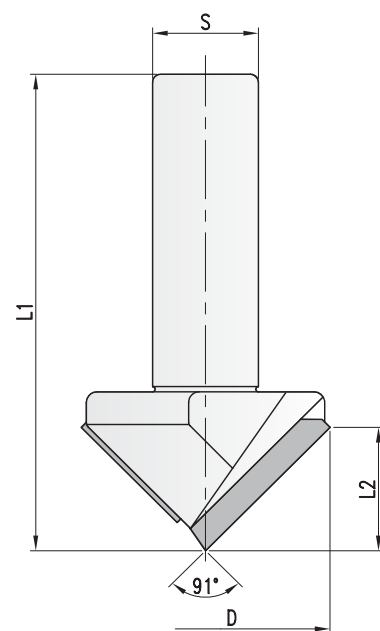
Folding cutter Fraise pour pliage



	D	α	L2	L1	S	Z	Ref.
	47	91°	24	90	20	2	A819.047.124.20
	65	91°	32	95	20	2	A819.065.132.20

MEC DP

A819



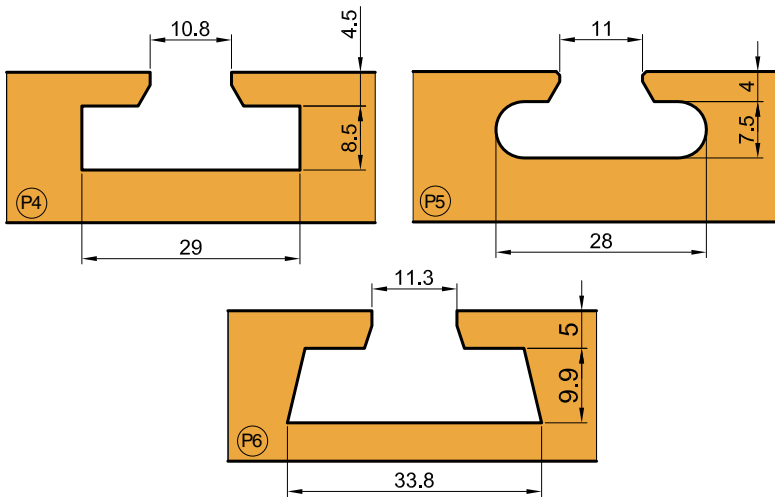
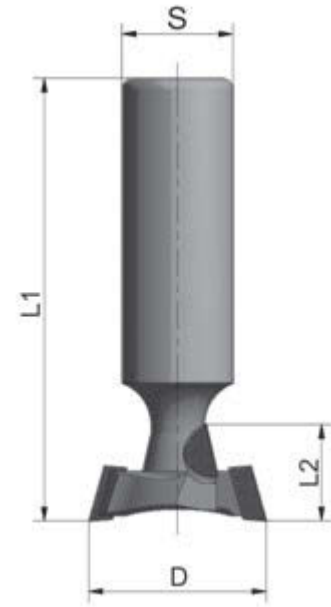
T-Slot diamond cutter
Fraise queue d'aronde, DP



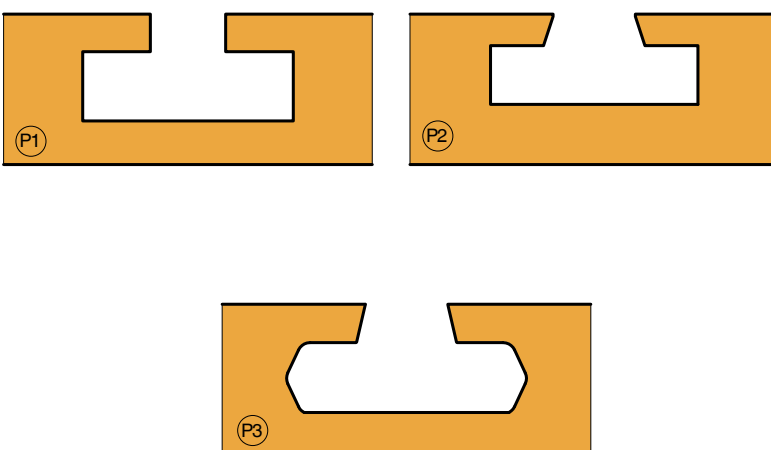
Nr.	D	L2	L1	S	Z	Ref.
new P4	29,0	15	79,0	20x55	2+1	A811.029.115.20
new P5	28,0	15	79,0	20x55	2+1	A811.028.115.20
P6	33,8	15	61,5	12x40	2+1	A811.034.115.12
P6	33,8	15	77,0	20x55	2+1	A811.034.115.20

MEC DP

A811



Examples of profiles.
Exemples de profils.



Chanfering and rounding router cutter
Mèche à defoncer pour biseauter et arrondir

Nr.	D _{max.}	D	L1	S	Z	Ref.
-----	-------------------	---	----	---	---	------

1	28-34	20	113	20	1+1	A514.020.134.20 ◊
	28-34	20	113	25	1+1	A514.020.134.25 ◊
2	49-57	35	150	25	1+1	A514.035.156.25 ◊

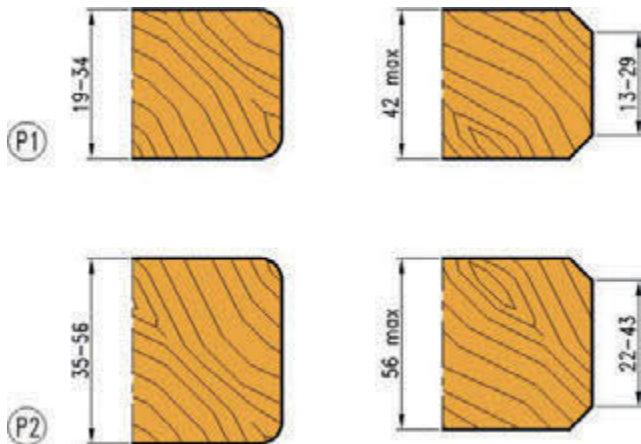
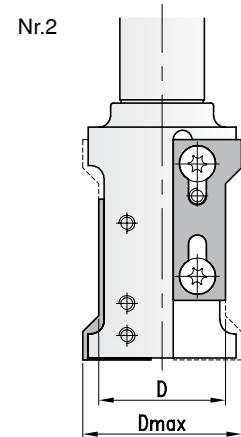
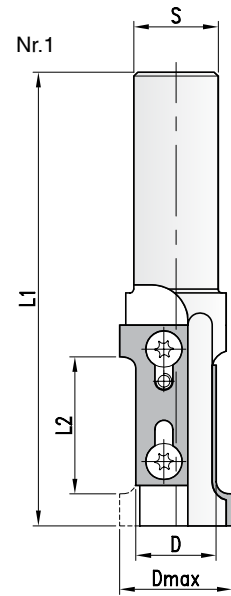
◊ Cutterhead supplied without knives - [Porte-outils livré sans plaquettes](#)

Spare parts - Pièces de rechange

		Dim.	R	Ref.
Nr.1				
Knife - Plaquette	SUP	40x17,2x2,2	3	788.101
	INF		3	788.102
	SUP	40x18,2x2,2	4	788.103
	INF		4	788.104
	SUP	40x19,2x2,2	5	788.105
	INF		5	788.106
	SUP	40x20,2x2,2	6	788.107
	INF		6	788.108
	SUP	40x20,2x2,2	45°	788.109
	INF		45°	788.110
Nr.2				
Knife - Plaquette	SUP	50x20,3x2,2	6	788.111
	INF		6	788.112
	SUP	50x22,3x2,2	8	788.113
	INF		8	788.114
	SUP	50x24,3x2,2	10	788.115
	INF		10	788.116
	SUP	50x24,3x2,2	45°	788.117
	INF		45°	788.118
Torx screw - Vis Torx		M4x6		705.351
Torx wrench - Clé Torx		T15		706.302

MEC HW

A514



Universal profile cutterhead Porte-outils à profiler

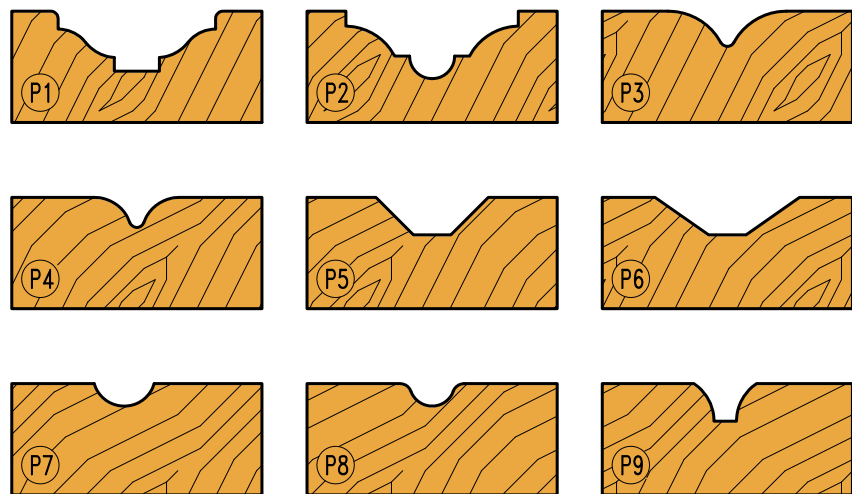
D	L2	L1	S	Z	Ref.
---	----	----	---	---	------

23	8	69	12	1	A513.023.108.12 ◦
23	8	105	20	1	A513.023.108.20 ◦

◦ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	20x12x1,5	P1 750.102 ■
	20x12x1,5	P2 767.401
	20x12x1,5	P3 767.402
	20x12x1,5	P4 767.403
	20x12x1,5	P5 767.404
	20x12x1,5	P6 767.405
	20x12x1,5	P7 767.406
	20x12x1,5	P8 767.407
	20x12x1,5	P9 767.408
	20x12x1,5	767.409
Torx screw - Vis Torx	M3,5x6	705.350
Torx wrench - Clé Torx	T15	706.302
■ Not profiled - Sans profil		



Set composed by cutterhead and 9 knives.

Coffret équipée avec 1 porte-outils et 9 couteaux.

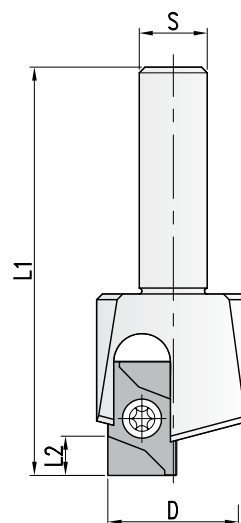
D	L2	L1	S	Z	Ref.
---	----	----	---	---	------

23	8	69	12	1	A426.513.001.12 •
23	8	105	20	1	A426.513.001.20 •

• Under request - Sur demande

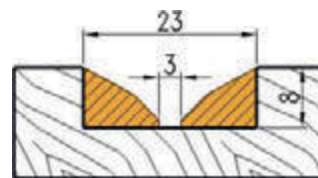
MEC HW

A513



Cutterhead with reversible knife, profiled on both sides with possibility of reground several times (depending on profile depth).

Porte-outil avec un couteau à jeter profilé sur les deux côtés, avec possibilité de reprofiler plusieurs fois (dépend de la profondeur du profil).



Available area for profiling (1:1)
Surface à profiler (1:1)



Set composed by 1 cutterhead, 1 of each knife (P1 to P9) and 1 torx wrench.

Coffret équipée avec 1 porte-outils, 1 fers de chaque profil (du profil 1 au 9) et une clé "torx".



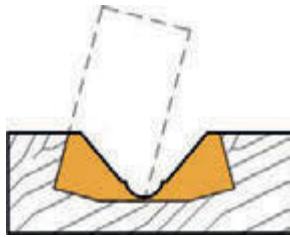
Universal profile cutterhead
Porte-outils à profiler

D	L2	L1	S	Z	Ref.
20	8	74	12	2	A519.020.109.12
	8	89	20	2	A519.020.109.20

Spare parts - Pièces de rechange

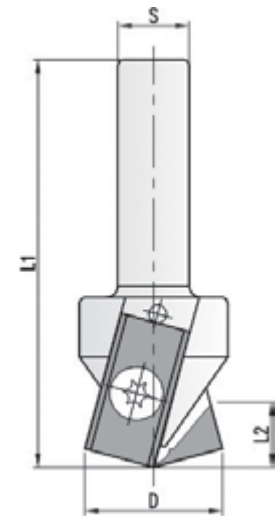
	Dim.	Ref.
Knife - Plaque	24,7x12x1,5	750.103 ■
Torx screw - Vis Torx	M4x6	705.351
Torx wrench - Clé Torx	T15	706.302

■ Not profiled - Sans profil



Available area for profiling (1:1)
Surface à profiler (1:1)

A519

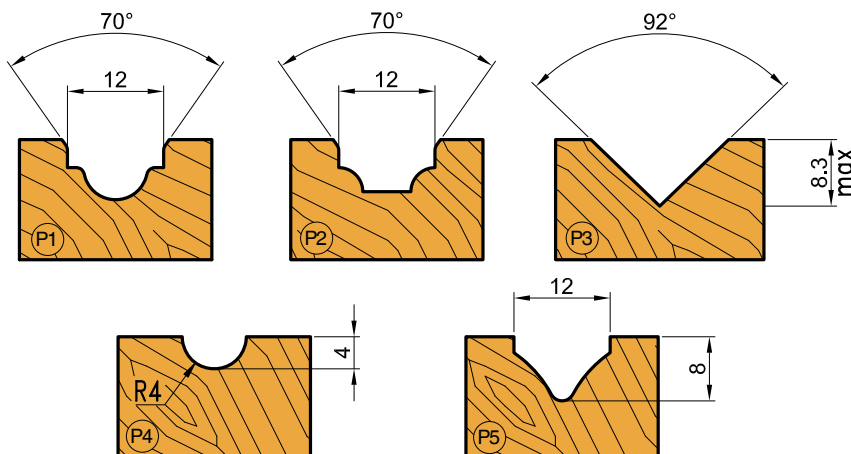


Universal profile cutterhead
Porte-outils à profiler

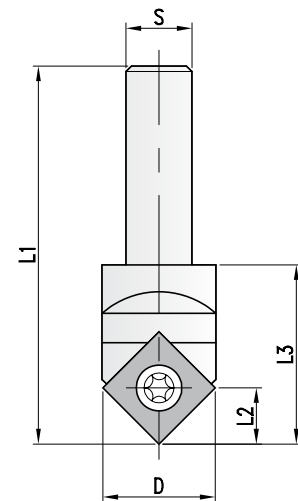
D	L2/L3	L1	S	Z	Ref.
17	8,5/27	62	8	1	A507.017.108.08
	8,5/27	62	10	1	A507.017.108.10
	8,5/27	67	12	1	A507.017.108.12

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaque	12x12x1,5	754.102
	P1 12x12x1,5	767.301
	P2 12x12x1,5	767.302
	P3 12x12x1,5	767.303
	P4 12x12x1,5	767.304
	P5 12x12x1,5	767.305
Torx screw - Vis Torx	M3,5x6	705.350
Torx wrench - Clé Torx	T15	706.302



A507



Available area for profiling (1:1)
Surface à profiler (1:1)

Universal profile cutterhead Porte-outils à profiler

D	L2	S	Z	Ref.
---	----	---	---	------

58	14	20	2	A503.054.112.20 ◊
	14	25	2	A503.054.112.25 ◊

◊ Knives and back support not included - Porte-outils sans couteaux ni plaques d'appuies

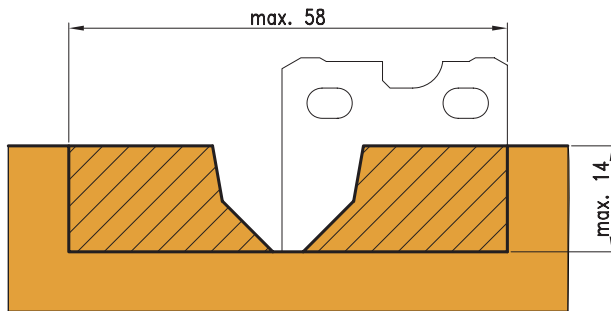
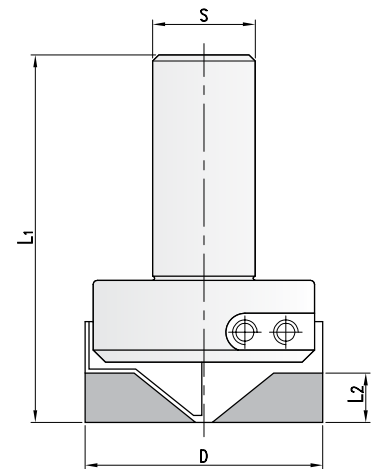
Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	30x25x1,5	769.601 ■
Back support - Plaques d'appuie	30x24x3,8	710.101 ■
Clamping wedge - Cale		707.800
Screw - Vis	M6x12	705.533
T Wrench - Clé en T	SW3	706.103

■ Not profiled - Sans profile.

MEC HW

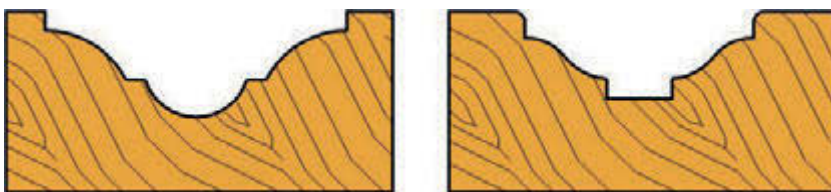
A503



Available area for profiling (1:1)
Surface à profiler (1:1)

Example of profiles

Exemples de profils



7

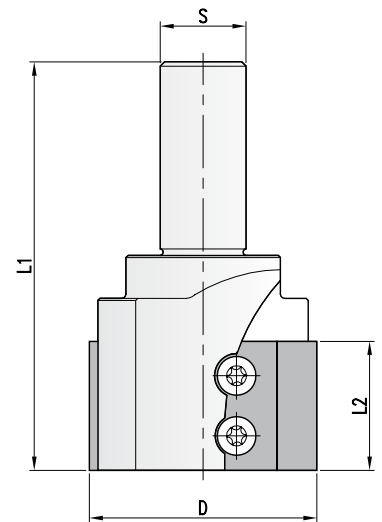
Profile cutterhead
Porte-outils à profiler

D	L2	Z
---	----	---

62	30	2	•
	40	2	•
72	30	2	•
	40	2	•
• Under request - Sur demande			

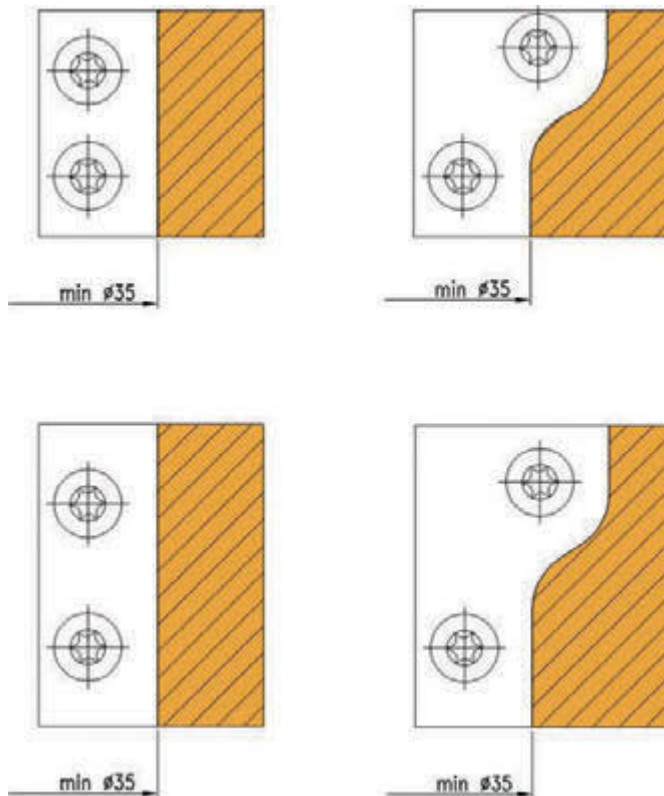
MEC HW

A505



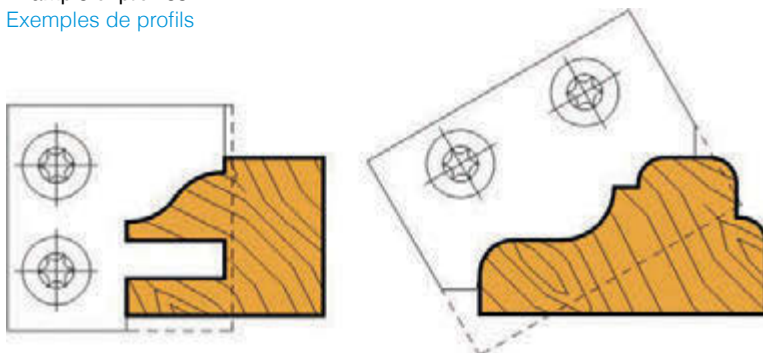
The steel body is manufactured to follow the profile shape.

Le corps du porte-outils est usiné suivant le profil de la plaquette.



Available area for profiling (1:1)
 Surface à profiler (1:1)

Example of profiles
 Exemples de profils



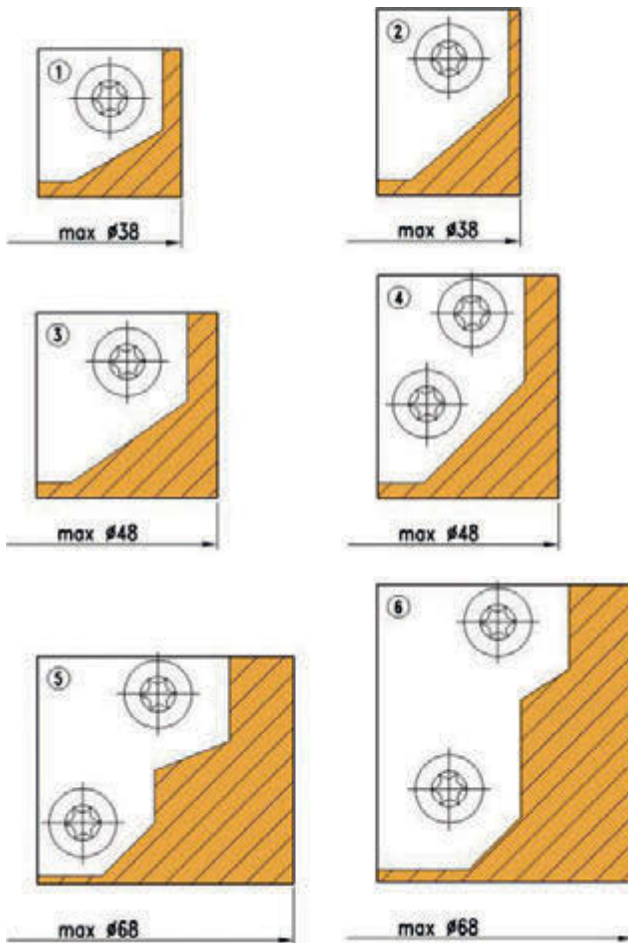
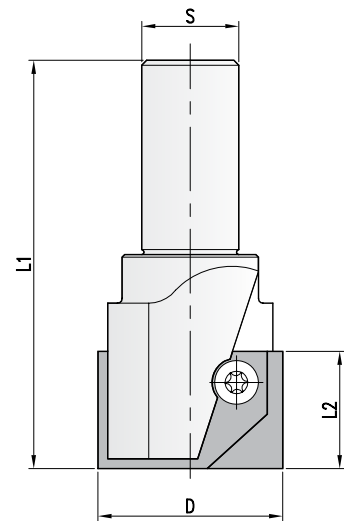
Profile cutterhead
Porte-outils à profiler

D	L2	Z
38	20	2
	25	2
48	25	2
	30	2
68	30	2
	40	2

• Under request - [Sur demande](#)

MEC HW

A506



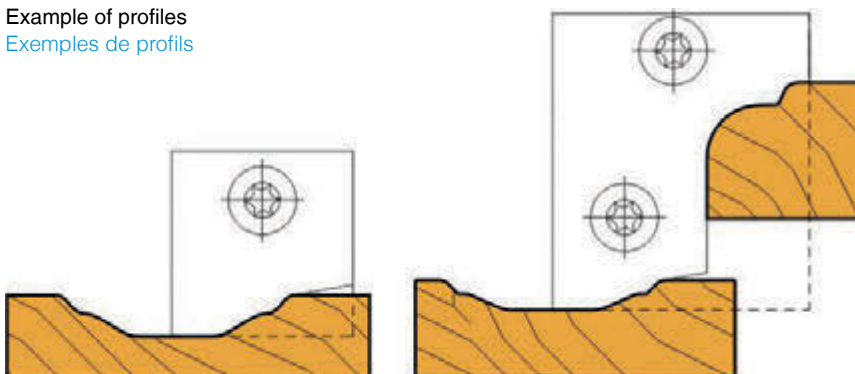
Available area for profiling (1:1)
 Surface à profiler (1:1)

The steel body is manufactured to follow the profile shape.

Le corps du porte-outils est usiné suivant le profil de la plaquette.



Example of profiles
Exemples de profils



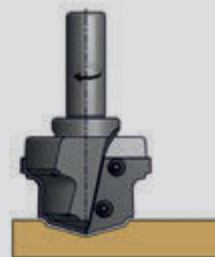
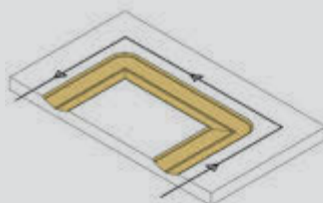
Cutterheads for door production

Porte-outils pour portes de meubles

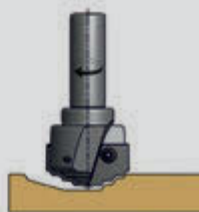
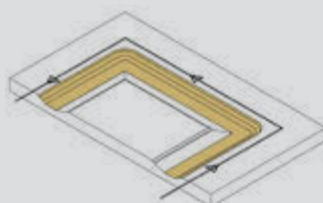
Examples - Exemple d'usinage



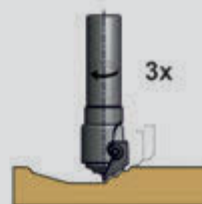
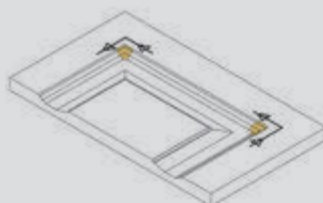
1 Operation - Opération



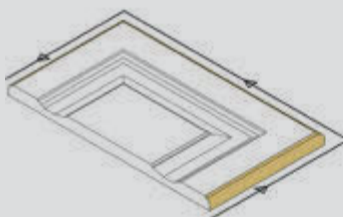
2 Operation - Opération



3 Operation - Opération



4 Operation - Opération



Nr.	D	L2	S	Z	Ref.
1+4	68,5	40	20	2	A506.068.240.20 •
2	48	25	20	2	A506.048.225.20 •
3	29	23	20	1	A506.029.225.20 •

• Under request - Sur demande

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	35x40x2	790.201 •
	25x25x2	790.202 •
	15x25x2	790.203 •
Torx screw - Vis Torx	M4x9	705.354

• Under request - Sur demande

Universal profile cutterhead Porte-outils à profiler

D	L2	L1	S	Z	Ref.
90	40	97	25	2	A511.090.140.25 ◦
100	60	117	25	2	A511.100.160.25 ◦

◦ Knives and back support not included - [Porte-outils sans couteaux ni plaques d'appuies](#)

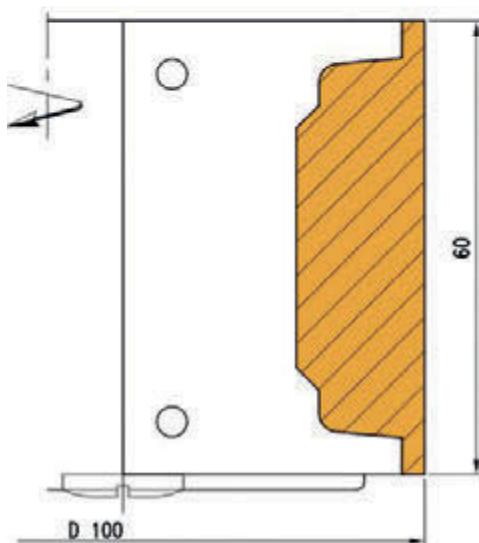
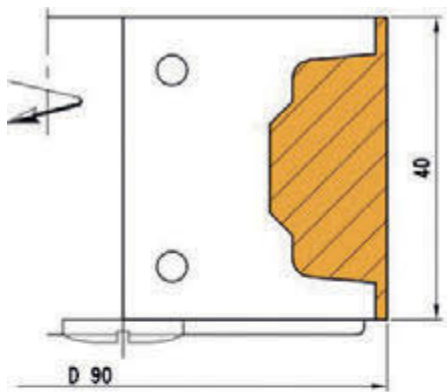
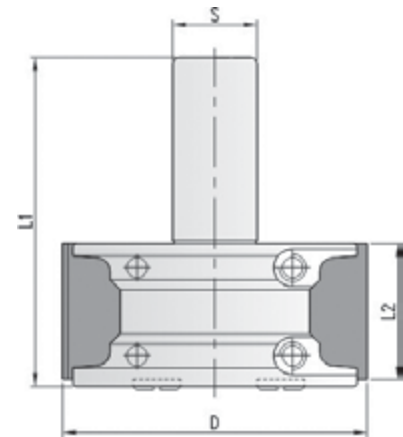
Spare parts - Pièces de rechange

	D	Dim.	Ref.
Knife - Plaquette	90	40x35x2	769.204 ■
	100	60x40x2	769.209 ■
Back support - Plaques d'appuie	90	38x31x3,8	710.210 ■
	100	58x36x3,8	710.222 ■
Clamping wedge - Cale	90		707.801
	100		707.802
Screw - Vis		M8x16	705.542
T Wrench - Clé en T		SW4	706.104

■ Not profiled - [Sans profil](#)

MEC HW

A511



■ Available area for profiling (1:1)
[Surface a profiler \(1:1\)](#)

7

Universal profile cutterhead Porte-outils à profiler

D	L2	L1	S	Z	Ref.
---	----	----	---	---	------

90	40	97	25	2	A512.090.140.25 ◊
100	60	117	25	2	A512.100.160.25 ◊

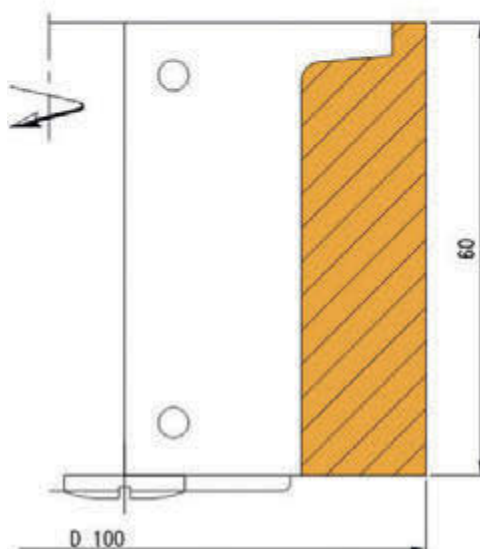
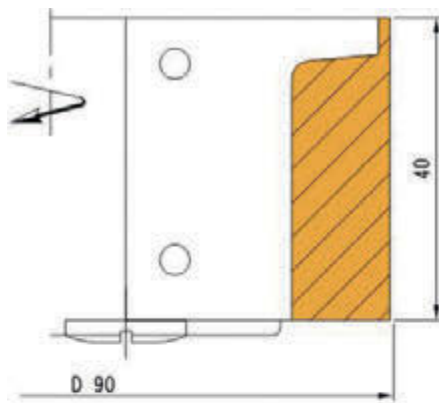
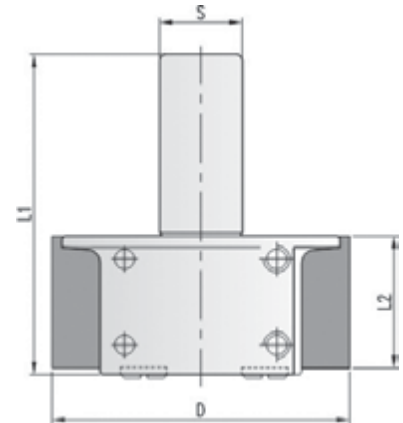
◊ Knives and back support not included - Porte-outils sans couteaux ni plaques d'appuies

Spare parts - Pièces de rechange

	D	Dim.	Ref.
Knife - Plaquette	90	40x35x2	769.204 ■
	100	60x40x2	769.209 ■
Back support - Plaques d'appuie	90	38x31x3,8	710.210 ■
	100	58x36x3,8	710.222 ■
Clamping wedge - Cale	90		707.801
	100		707.802
Screw - Vis		M8x16	705.542
T Wrench - Clé en T		SW4	706.104
■ Not profiled - Sans profil			

MEC HW

A512



■ Available area for profiling (1:1)
Surface à profiler (1:1)

Moulding cutterhead Porte-outils à profiler

D	L2	L1	S	Z	Ref.
100	40	110	20	2	A524.100.140.20 ◦
	40	110	25	2	A524.100.140.25 ◦
	40	110	25	3	A524.100.340.25 ◦
100	60	120	25	2	A524.100.160.25 ◦
	60	120	25	3	A524.100.360.25 ◦

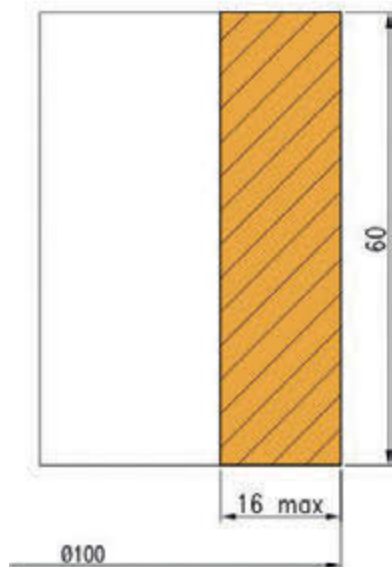
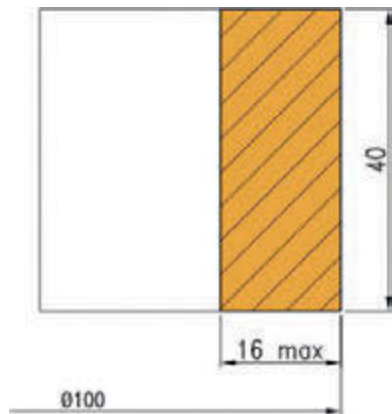
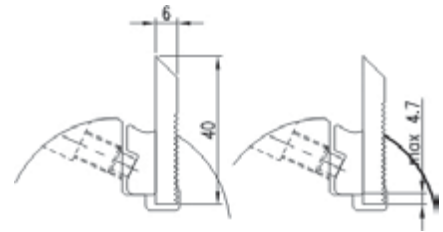
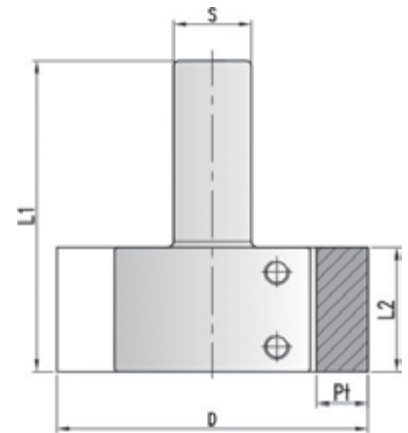
◦ Knives not included - Porte-outils sans couteaux

Spare parts - Pièces de rechange

	Dim.	Ref.
Knife - Plaquette	40x40x6	774.040.41 ■
	60x40x6	774.060.41 ■
Clamping wedge - Cale	40	707.524.40
	60	707.524.60
Screw - Vis	M8x16	705.542
T Wrench - Clé en T	SW4	706.104
■ Not profiled - Sans profil		

MEC HS

A524



■ Available area for profiling (1:1)
Surface à profiler (1:1)

7

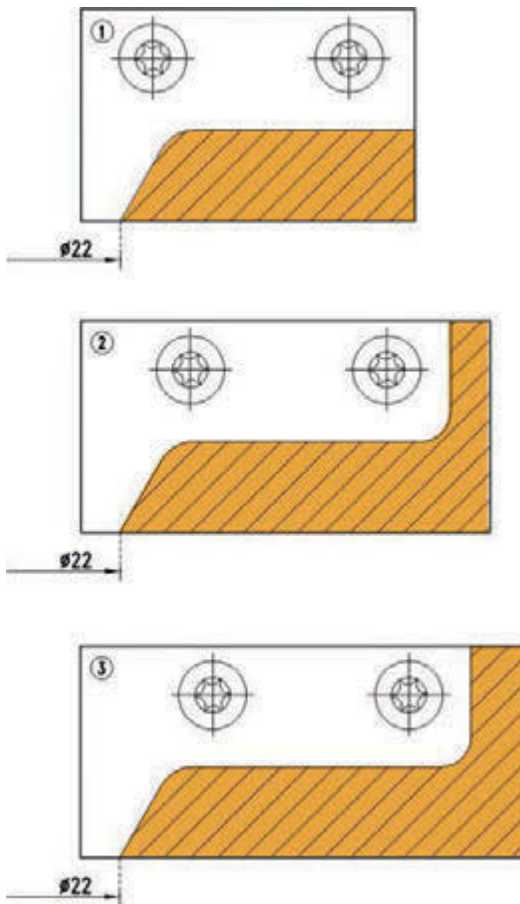
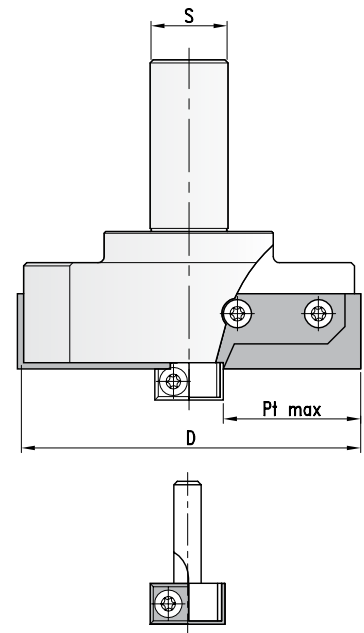
Profile cutterhead for panel raising
Porte-outils pour le profilage de plate-bande


D	L2	Pt max.	Z
100	20	39	2
	30	39	2
120	20	49	2
	30	49	2
130	20	54	2
	30	54	2

• Under request - [Sur demande](#)

MEC HW

A330

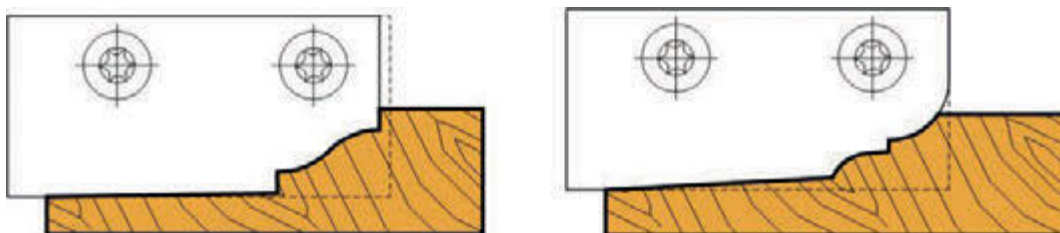


 Available area for profiling (1:1)
 Surface à profiler (1:1)

The steel body is manufactured to follow the profile shape.

Le corps du porte-outils est usiné suivant le profil de la plaquette.

Example of profiles
 Exemples de profils



8

Boring bits Mèches à percer



FREZITE 

Dowel drills

Mèches à tourillons 8.3-8.8

Dowel drill with external threaded shank

Mèches à tourillons - queue fileté 8.9

Through-hole drill

Mèches pour trous débouchants 8.10-8.13

Solid counterbore

Mèches à percer étagées 8.14

Loose countersink

Fraisoir 8.15

Hinge boring bits

Mèches à façonner 8.16-8.19

Plug cutter

Mèche à bouchon 8.19

Slot mortise bit

Mèche à mortaiser 8.20

Reciprocating slot mortise bit

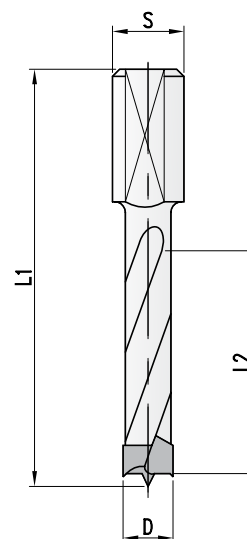
Mèche à mortaiser oscillante 8.21-8.22

Dowel drills Mèches à tourillons

D	L2	L1	S	Z	Ref.LH	Ref.RH
L1= 55,5mm						
5	30	55,5	8x20	2	A203.005.030.08	A203.005.130.08
6	30	55,5	8x20	2	A203.006.030.08	A203.006.130.08
7	30	55,5	8x20	2	A203.007.030.08	A203.007.130.08
8	30	55,5	8x20	2	A203.008.030.08	A203.008.130.08
9	30	55,5	8x20	2	A203.009.030.08	A203.009.130.08
10	30	55,5	8x20	2	A203.010.030.08	A203.010.130.08
12	30	55,5	8x20	2	A203.012.030.08	A203.012.130.08
L1= 67,0mm						
5	40	67	8x20	2	A203.005.040.08	A203.005.140.08
6	40	67	8x20	2	A203.006.040.08	A203.006.140.08
7	40	67	8x20	2	A203.007.040.08	A203.007.140.08
8	40	67	8x20	2	A203.008.040.08	A203.008.140.08
9	40	67	8x20	2	A203.009.040.08	A203.009.140.08
10	40	67	8x20	2	A203.010.040.08	A203.010.140.08
12	40	67	8x20	2	A203.012.040.08	A203.012.140.08

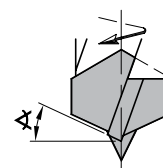
MAN HW S=8

A203



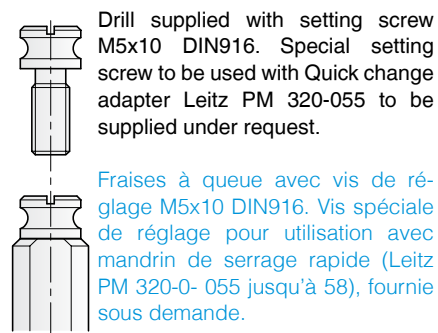
Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180



Negatively ground spurs for accurate holes and longer tool life.

Araseurs avec angle négatif à l'affûtage pour trous de grande précision et prolongement de la durée de vie de l'outil.



Dowel drills
Mèches à tourillons

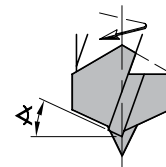
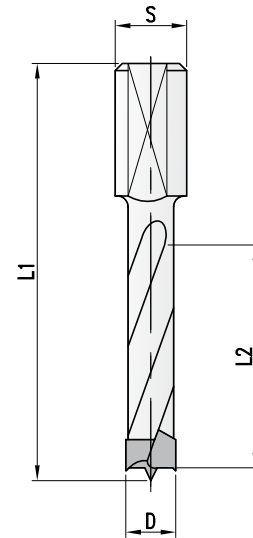
D	L2	L1	S	Z	Ref.LH	Ref.RH
L1= 57,5mm						
4	26	57,5	10x20	2	A203.004.030.10	A203.004.130.10
5	30	57,5	10x20	2	A203.005.030.10	A203.005.130.10
6	30	57,5	10x20	2	A203.006.030.10	A203.006.130.10
7	30	57,5	10x20	2	A203.007.030.10	A203.007.130.10
8	30	57,5	10x20	2	A203.008.030.10	A203.008.130.10
9	30	57,5	10x20	2	A203.009.030.10	A203.009.130.10
10	30	57,5	10x20	2	A203.010.030.10	A203.010.130.10
11	30	57,5	10x20	2	A203.011.030.10	A203.011.130.10
12	30	57,5	10x20	2	A203.012.030.10	A203.012.130.10
13	30	57,5	10x20	2	A203.013.030.10	A203.013.130.10
14	30	57,5	10x20	2	A203.014.030.10	A203.014.130.10
15	30	57,5	10x20	2	A203.015.030.10	A203.015.130.10
16	30	57,5	10x20	2	A203.016.030.10	A203.016.130.10
L1= 70,0mm						
4	43	70	10x20	2	A203.004.043.10	A203.004.143.10
5	43	70	10x20	2	A203.005.043.10	A203.005.143.10
6	43	70	10x20	2	A203.006.043.10	A203.006.143.10
7	43	70	10x20	2	A203.007.043.10	A203.007.143.10
8	43	70	10x20	2	A203.008.043.10	A203.008.143.10
9	43	70	10x20	2	A203.009.043.10	A203.009.143.10
10	43	70	10x20	2	A203.010.043.10	A203.010.143.10
11	43	70	10x20	2	A203.011.043.10	A203.011.143.10
12	43	70	10x20	2	A203.012.043.10	A203.012.143.10
14	43	70	10x20	2	A203.014.043.10	A203.014.143.10
15	43	70	10x20	2	A203.015.043.10	A203.015.143.10
16	43	70	10x20	2	A203.016.043.10	A203.016.143.10
L1= 77,0mm						
5	50	77	10x20	2	A203.005.044.10	A203.005.144.10
6	50	77	10x20	2	A203.006.044.10	A203.006.144.10
7	50	77	10x20	2	A203.007.044.10	A203.007.144.10
8	50	77	10x20	2	A203.008.044.10	A203.008.144.10
10	50	77	10x20	2	A203.010.044.10	A203.010.144.10
12	50	77	10x20	2	A203.012.044.10	A203.012.144.10
L1= 85,0mm						
5	50	85	10x27	2	A203.005.050.10	A203.005.150.10
6	50	85	10x27	2	A203.006.050.10	A203.006.150.10
8	50	85	10x27	2	A203.008.050.10	A203.008.150.10
10	50	85	10x27	2	A203.010.050.10	A203.010.150.10
12	50	85	10x27	2	A203.012.050.10	A203.012.150.10

■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

MAN HW S=10 **A203**

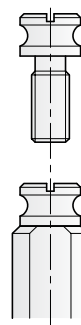


Negatively ground spurs for accurate holes and longer tool life.

Araseurs avec angle négatif à l'affûtage pour trous de grande précision et prolongement de la durée de vie de l'outil.

Drill supplied with setting screw M5x10 DIN916. Special setting screw to be used with Quick change adapter Leitz PM 320-055 to be supplied under request.

Fraises à queue avec vis de réglage M5x10 DIN916. Vis spéciale de réglage pour utilisation avec mandrin de serrage rapide (Leitz PM 320-0-055 jusqu'à 58), fournie sous demande.



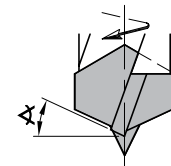
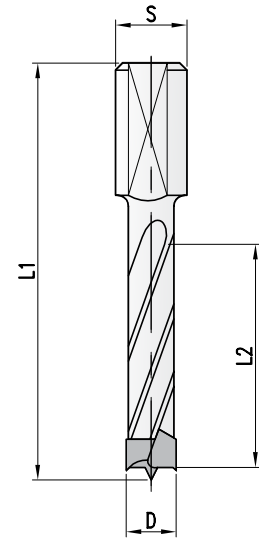
Dowel drills, double flute
Mèches à tourillons, avec double listel

D	L2	L1	S	Z	Ref.LH	Ref.RH	
L1= 57,5mm							
5	30	57,5	10x20	2	A216.005.030.10	A216.005.130.10	
6	30	57,5	10x20	2	A216.006.030.10	A216.006.130.10	
8	30	57,5	10x20	2	A216.008.030.10	A216.008.130.10	
10	30	57,5	10x20	2	A216.010.030.10	A216.010.130.10	
12	30	57,5	10x20	2	A216.012.030.10	A216.012.130.10	
L1= 70,0mm							
5	40	70	10x20	2	A216.005.040.10	A216.005.140.10	
6	40	70	10x20	2	A216.006.040.10	A216.006.140.10	
8	40	70	10x20	2	A216.008.040.10	A216.008.140.10	
10	40	70	10x20	2	A216.010.040.10	A216.010.140.10	
12	40	70	10x20	2	A216.012.040.10	A216.012.140.10	
L1= 85,0mm							
new	5	50	85	10x27	2	A216.005.050.10	A216.005.150.10
new	6	50	85	10x27	2	A216.006.050.10	A216.006.150.10
new	8	50	85	10x27	2	A216.008.050.10	A216.008.150.10
new	10	50	85	10x27	2	A216.010.050.10	A216.010.150.10
new	12	50	85	10x27	2	A216.012.050.10	A216.012.150.10

Spare parts - Pièces de rechange

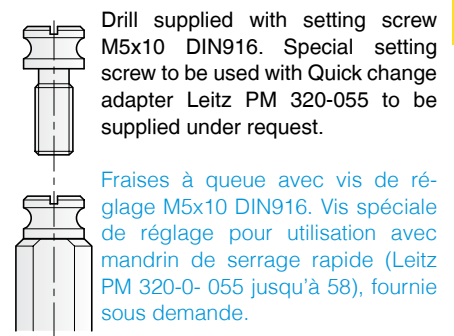
	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

MAN HW S=10 **A216**



Negatively ground spurs for accurate holes and longer tool life.

Araseurs avec angle négatif à l'affûtage pour trous de grande précision et prolongement de la durée de vie de l'outil.



Drill supplied with setting screw M5x10 DIN916. Special setting screw to be used with Quick change adapter Leitz PM 320-055 to be supplied under request.

Fraises à queue avec vis de réglage M5x10 DIN916. Vis spéciale de réglage pour utilisation avec mandrin de serrage rapide (Leitz PM 320-0-055 jusqu'à 58), fournie sous demande.



Dowel drills Mèches à tourillons

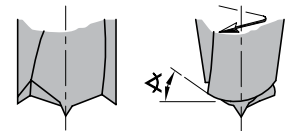
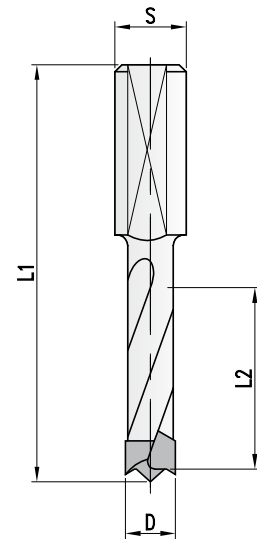
MAN HW S=10

A222

D	L2	L1	S	Z	Ref.LH	Ref.RH
L1= 57,5mm						
5	27	57,5	10X27	2	A222.005.027.10	A222.005.127.10
new 6	27	57,5	10X27	2	A222.006.027.10	A222.006.127.10
new 7	27	57,5	10X27	2	A222.007.027.10	A222.007.127.10
8	27	57,5	10X27	2	A222.008.027.10	A222.008.127.10
new 9	27	57,5	10X27	2	A222.009.027.10	A222.009.127.10
10	27	57,5	10X27	2	A222.010.027.10	A222.010.127.10
L1=70,0mm						
5	35	70	10x30	2	A222.005.035.10	A222.005.135.10
new 6	35	70	10x30	2	A222.006.035.10	A222.006.135.10
new 7	35	70	10x30	2	A222.007.035.10	A222.007.135.10
8	35	70	10x30	2	A222.008.035.10	A222.008.135.10
new 9	35	35	10x30	2	A222.009.035.10	A222.009.135.10
10	35	70	10x30	2	A222.010.035.10	A222.010.135.10

Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180



Advantages:

- New grinding design with round spurs.
- Better finishing on the cut.
- Increased tool life.

Avantages:

- Nouvel affûtage avec araseurs renforcés.
- Meilleure finition de coupe.
- Augmentation de la durée de vie de l'outil.

Dowel drills, solid t.c.
Mèches à tourillons, carbure massif

D	L2	L1	S	Z	Ref.LH	Ref.RH
L1= 57,5mm						
3	18	57,5	10x25	2	A224.003.018.10	A224.003.118.10
4	20	57,5	10x27	2	A224.004.020.10	A224.004.120.10
5	22	57,5	10x27	2	A224.005.022.10	A224.005.122.10
6	22	57,5	10x27	2	A224.006.022.10	A224.006.122.10
new	6,2	22	10x26	2	A224.106.022.10	A224.106.122.10
8	22	57,5	10x27	2	A224.008.022.10	A224.008.122.10
new	8,2	22	10x27	2	A224.108.022.10	A224.108.122.10
10	25	57,5	10X27	2	A224.010.025.10	A224.010.125.10
12	25	57,5	10X27	2	A224.012.025.10	A224.012.125.10
L1=70,0mm						
3	18	70	10x40	2	A224.003.218.10	A224.003.318.10
4	27	70	10x35	2	A224.004.027.10	A224.004.127.10
5	30	70	10x30	2	A224.005.030.10	A224.005.130.10
6	30	70	10x30	2	A224.006.030.10	A224.006.130.10
new	6,2	27	10x26	2	A224.106.035.10	A224.106.135.10
8	35	70	10x25	2	A224.008.035.10	A224.008.135.10
new	8,2	35	10x25	2	A224.108.035.10	A224.108.135.10
10	35	70	10X27	2	A224.010.035.10	A224.010.135.10
12	35	70	10X27	2	A224.012.035.10	A224.012.135.10

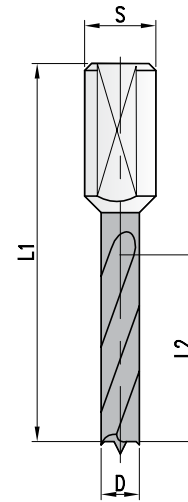
■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

MAN HW

A224

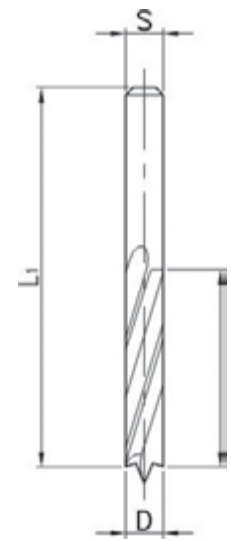


Dowel drills
Mèches à tourillons

D	L2	L1	S	Z	Ref.LH	Ref.RH
2	24	49	2	2	A202.002.024.02	A202.002.124.02
2,5	30	57	2,5	2	A202.902.030.92	A202.902.130.92
3	33	61	3	2	A202.003.033.03	A202.003.133.03
3,5	39	70	3,5	2	A202.903.039.93	A202.903.139.93
4	43	75	4	2	A202.004.043.04	A202.004.143.04
4,5	47	80	4,5	2	A202.904.047.94	A202.904.147.94
5	52	86	5	2	A202.005.052.05	A202.005.152.05
5,5	57	93	5,5	2	A202.905.057.95	A202.905.157.95
6	57	93	6	2	A202.006.057.06	A202.006.157.06
7	69	109	7	2	A202.007.069.07	A202.007.169.07
8	75	117	8	2	A202.008.075.08	A202.008.175.08
9	81	125	9	2	A202.009.081.09	A202.009.181.09
10	87	133	10	2	A202.010.087.10	A202.010.187.10

MAN HS

A202

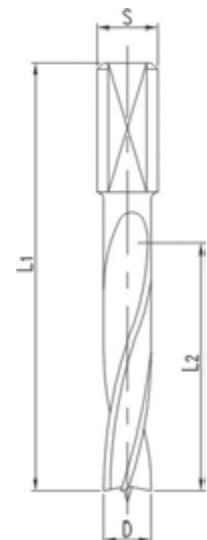


Dowel drills
Mèches à tourillons

D	L2	L1	S	Z	Ref.LH	Ref.RH
L1= 57,5mm						
5	30	57,5	10x20	2	A210.005.030.10	A210.005.130.10
6	30	57,5	10x20	2	A210.006.030.10	A210.006.130.10
7	30	57,5	10x20	2	A210.007.030.10	A210.007.130.10
8	30	57,5	10x20	2	A210.008.030.10	A210.008.130.10
9	30	57,5	10x20	2	A210.009.030.10	A210.009.130.10
10	30	57,5	10x20	2	A210.010.030.10	A210.010.130.10
12	30	57,5	10x20	2	A210.012.030.10	A210.012.130.10
L1=70,0mm						
5	43	70	10x20	2	A210.005.043.10	A210.005.143.10
6	43	70	10x20	2	A210.006.043.10	A210.006.143.10
7	43	70	10x20	2	A210.007.043.10	A210.007.143.10
8	43	70	10x20	2	A210.008.043.10	A210.008.143.10
9	43	70	10x20	2	A210.009.043.10	A210.009.143.10
10	43	70	10x20	2	A210.010.043.10	A210.010.143.10
12	43	70	10x20	2	A210.012.043.10	A210.012.143.10

MAN HS

A210



■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

Dim.	Ref.
Adjusting Screw - Vis	M5x10 705.103

Dowel drill with external threaded shank
Mèches à tourillons - queue filetée

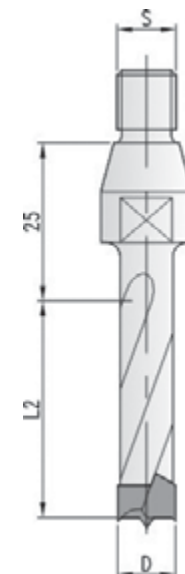
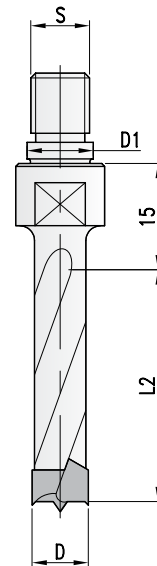
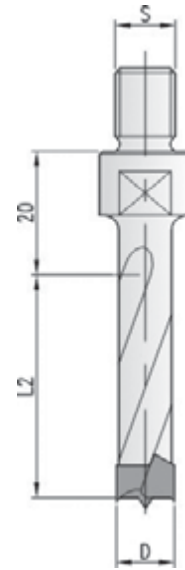
D	L2	S	Z	Ref.LH	Ref.RH
S=M8					
5	43	M8	2	A234.005.343.50	A234.005.243.50
6	43	M8	2	A234.006.343.50	A234.006.243.50
8	43	M8	2	A234.008.343.50	A234.008.243.50
10	43	M8	2	A234.010.343.50	A234.010.243.50
12	43	M8	2	A234.012.343.50	A234.012.243.50
S=M10					
5	43	M10	2	A234.005.043.50	A234.005.143.50
6	43	M10	2	A234.006.043.50	A234.006.143.50
8	43	M10	2	A234.008.043.50	A234.008.143.50
10	43	M10	2	A234.010.043.50	A234.010.143.50
12	43	M10	2	A234.012.043.50	A234.012.143.50

D	L2	S/D1	Z	Ref.LH	Ref.RH
S=M8					
5	30	M8 / 9	2	A234.005.340.51	A234.005.240.51
6	30	M8 / 9	2	A234.006.340.51	A234.006.240.51
8	30	M8 / 9	2	A234.008.340.51	A234.008.240.51
10	30	M8 / 9	2	A234.010.340.51	A234.010.240.51
12	30	M8 / 9	2	A234.012.340.51	A234.012.240.51
S=M10					
5	40	M10 / 11	2	A234.005.040.51	A234.005.140.51
6	40	M10 / 11	2	A234.006.040.51	A234.006.140.51
8	40	M10 / 11	2	A234.008.040.51	A234.008.140.51
10	40	M10 / 11	2	A234.010.040.51	A234.010.140.51
12	40	M10 / 11	2	A234.012.040.51	A234.012.140.51

D	L2	S	Z	Ref.LH	Ref.RH
S=M10					
5	40	M10	2	A234.005.040.52	A234.005.140.52
6	40	M10	2	A234.006.040.52	A234.006.140.52
8	40	M10	2	A234.008.040.52	A234.008.140.52
10	40	M10	2	A234.010.040.52	A234.010.140.52
12	40	M10	2	A234.012.040.52	A234.012.140.52

MAN HW

A234



Through-hole drill Mèches pour trous débouchants

D	L2	L1	S	Z	Ref.LH	Ref.RH
L1 = 57,5mm						
5	30	56	8x20	2	A220.005.030.08	A220.005.130.08
8	30	56	8x20	2	A220.008.030.08	A220.008.130.08
L1 = 70,0mm						
5	43	70	8x20	2	A220.005.043.08	A220.005.143.08
6	43	70	8x20	2	A220.006.043.08	A220.006.143.08
7	43	70	8x20	2	A220.007.043.08	A220.007.143.08
8	43	70	8x20	2	A220.008.043.08	A220.008.143.08

D	L2	L1	S	Z	Ref.LH	Ref.RH
L1 = 57,5mm						
5	27	57	10x26	2	A220.005.027.10	A220.005.127.10
6	27	57	10x26	2	A220.006.027.10	A220.006.127.10
7	27	57	10x26	2	A220.007.027.10	A220.007.127.10 ■
8	27	57	10x26	2	A220.008.027.10	A220.008.127.10
10	27	57	10x26	2	A220.010.027.10	A220.010.127.10

L1 = 70,0mm						
5	35	70	10x26	2	A220.005.035.10	A220.005.135.10
6	35	70	10x26	2	A220.006.035.10	A220.006.135.10
7	35	70	10x26	2	A220.007.035.10	A220.007.135.10
8	35	70	10x26	2	A220.008.035.10	A220.008.135.10
new 9	35	70	10x26	2	A220.009.035.10	A220.009.135.10
10	35	70	10x26	2	A220.010.035.10	A220.010.135.10
12	35	70	10x26	2	A220.012.035.10	A220.012.135.10

L1 = 77,0mm						
5	44	77	10x26	2	A220.005.044.10	A220.005.144.10
6	44	77	10x26	2	A220.006.044.10	A220.006.144.10
7	44	77	10x26	2	A220.007.044.10	A220.007.144.10 ■
8	44	77	10x26	2	A220.008.044.10	A220.008.144.10
10	44	77	10x26	2	A220.010.044.10	A220.010.144.10
12	44	77	10x26	2	A220.012.044.10	A220.012.144.10

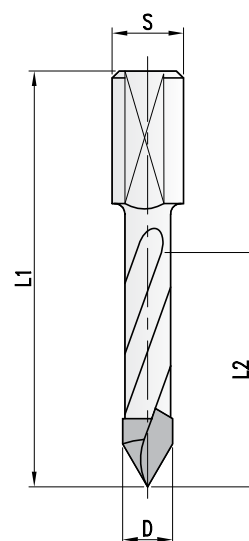
■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

MAN HW

A220



Drill supplied with setting screw M5x10 DIN916. Special setting screw to be used with Quick change adapter Leitz PM 320-055 to be supplied under request.

Fraises à queue avec vis de réglage M5x10 DIN916. Vis spéciale de réglage pour utilisation avec mandrin de serrage rapide (Leitz PM 320-0- 055 jusqu'à 58), fournie sous demande.

Through-hole drill

Mèches pour trous débouchants

D	L2	L1	S	Z	Ref.LH	Ref.RH
L1 = 57,5mm						
5	27	57,5	10x26	2	A223.005.027.10	A223.005.127.10
8	27	57,5	10x26	2	A223.008.027.10	A223.008.127.10
10	27	57,5	10x25	2	A223.010.027.10	A223.010.127.10
L1 = 70,0mm						
5	35	70	10x26	2	A223.005.035.10	A223.005.135.10
new	6	35	70	10x26	A223.006.035.10	A223.006.135.10
new	7	35	70	10x26	A223.007.035.10	A223.007.135.10
8	35	70	10x26	2	A223.008.035.10	A223.008.135.10
10	35	70	10x26	2	A223.010.035.10	A223.010.135.10

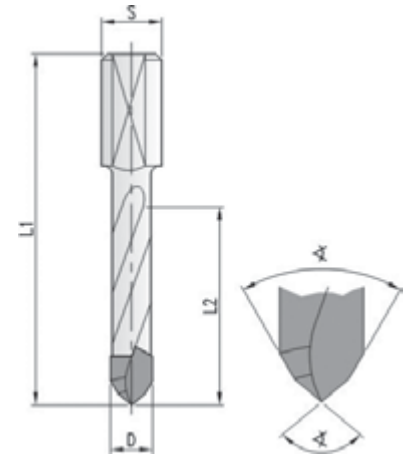
■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

MAN HW

A223



Advantages:

- Better finishing on the cut.
- Increased tool life.

Avantages:

- Meilleure finition de coupe.
- Augmentation de la durée de l'outil.

Through-hole drill, solid t.c.

Mèches pour trous débouchant, carbure massif

D	L2	L1	S	Z	Ref.LH	Ref.RH
L1 = 57,5mm						
4	25	57,5	10x27	2	A225.004.025.10	A225.004.125.10
5	25	57,5	10x27	2	A225.005.025.10	A225.005.125.10
6	25	57,5	10x27	2	A225.006.025.10	A225.006.125.10
8	25	57,5	10x27	2	A225.008.025.10	A225.008.125.10
L1 = 70,0mm						
new	3	27	70	10x30	A225.003.027.10	A225.003.127.10
4	35	70	10x25	2	A225.004.035.10	A225.004.135.10
5	35	70	10x25	2	A225.005.035.10	A225.005.135.10
6	35	70	10x25	2	A225.006.035.10	A225.006.135.10
8	35	70	10x25	2	A225.008.035.10	A225.008.135.10

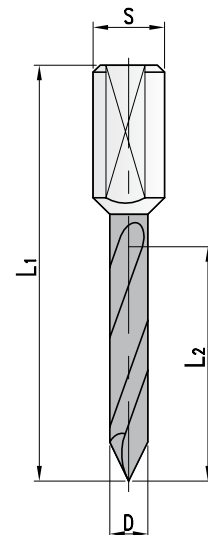
■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

MAN HW

A225

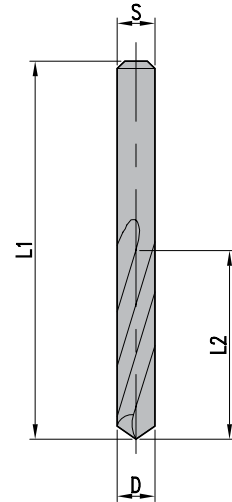


Twist drill, solid t.c.
Mèche hélicoïdal en carbure massif

D	L2	L1	S	Z	Ref.LH	Ref.RH
2	25	50	2	2	A201.002.025.02	A201.002.125.02
2,5	27	55	2,5	2	A201.902.027.92	A201.902.127.92
3	27	55	3	2	A201.003.027.03	A201.003.127.03
3,5	27	55	3,5	2	A201.903.030.93	A201.903.130.93
4	27	55	4	2	A201.004.030.04	A201.004.130.04
4,5	28	60	4,5	2	A201.904.028.94	A201.904.128.94
5	28	60	5	2	A201.005.028.05	A201.005.128.05

MAN HW

A201

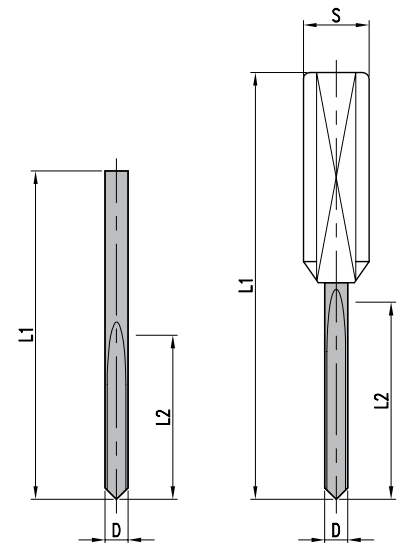


Through-hole drill, solid t.c.
Mèches pour trous débouchants, carbure massif

D	L2	L1	S	Ref.
L1 = 50,0mm				
2,5	15	50	2,5	A226.902.015.92
3	15	50	3	A226.003.015.03
3,5	15	50	3,5	A226.903.015.93
4	20	50	4	A226.004.020.04
L1 = 57,5mm				
2,5	15	57,5	10x33	A226.902.015.10
3	15	57,5	10x33	A226.003.015.10
3,5	15	57,5	10x33	A226.903.015.10
4	20	57,5	10x25	A226.004.020.10
5	25	57,5	10x25	A226.005.025.10
6	25	57,5	10x25	A226.006.025.10
L1 = 70,0mm				
2,5	15	70	10x33	A226.902.115.10
3	23	70	10x33	A226.003.123.10
3,5	30	70	10x33	A226.903.130.10
4	32	70	10x25	A226.004.132.10
5	35	70	10x25	A226.005.135.10
6	35	70	10x25	A226.006.135.10

MAN HW

A226



Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

Advantages:

- Round shape body with a special carbide grade.
- The new design will allow increased wear resistance and longer life time.
- RH and LH rotation.

Avantages:

- Corps rond au carbure spécial.
- Plus de résistance à l'usure et plus grande durée de vie, dû à la géométrie de la mèche.
- Mèche avec rotation droite et gauche.

Through-hole diamond drill

Mèches pour trous débouchant DP



D	L2	L1	S	Z	Ref.LH	Ref.RH
L1= 57,5mm						
5	27	57,5	10X26	1	A814.005.027.10	A814.005.127.10
6	27	57,5	10X26	1	A814.006.327.10	A814.006.227.10
8	27	57,5	10X26	1	A814.008.327.10	A814.008.227.10
10	27	57,5	10X26	1	A814.010.027.10	A814.010.127.10
L1= 70,0mm						
5	35	70	10x26	1	A814.005.035.10	A814.005.135.10
6	35	70	10x26	1	A814.006.335.10	A814.006.235.10
8	35	70	10x26	1	A814.008.335.10	A814.008.235.10
10	35	70	10x26	1	A814.010.035.10	A814.010.135.10

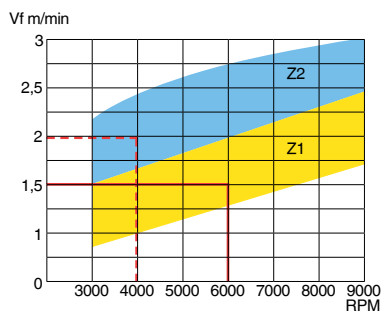
D	L2	L1	S	Z	Ref.LH	Ref.RH
L1= 57,5mm						
new 6	27	57,5	10X26	2	A814.006.527.10	A814.006.427.10
new 8	27	57,5	10X26	2	A814.008.527.10	A814.008.427.10
new 10	27	57,5	10X26	2	A814.010.527.10	A814.010.427.10
L1= 70,0mm						
new 6	35	70	10x26	2	A814.006.535.10	A814.006.435.10
new 8	35	70	10x26	2	A814.008.535.10	A814.008.435.10
new 10	35	70	10x26	2	A814.010.535.10	A814.010.435.10

Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

Graphic to determine feed speed.

Tableau pour déterminer la vitesse d'avance

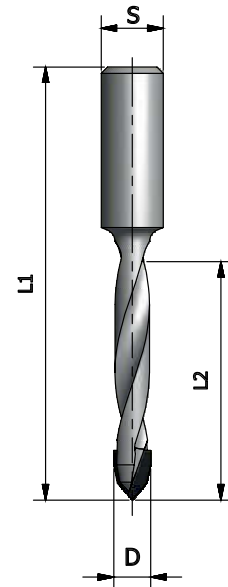
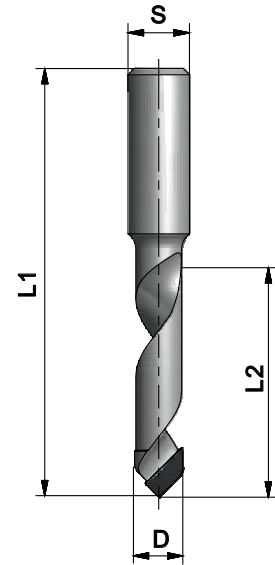


Material: Coated Particleboard
Correction factor for Vf:
MDF= 0,7
Particleboard uncoated = 1,2

Matériel: Panneaux à particules
Facteur de correction pour Vf:
MDF= 0,7
Panneau de particules sans revêtement = 1,2

MAN DP

A814



Drill supplied with setting screw M5x10 DIN916. Special setting screw to be used with Quick change adapter Leitz PM 320-055 to be supplied under request.

Fraises à queue avec vis de réglage M5x10 DIN916. Vis spéciale de réglage pour utilisation avec mandrin de serrage rapide (Leitz PM 320-0-055 jusqu'à 58), fournie sous demande.

Solid counterbore
Mèches à percer étagées

D	L1
---	----

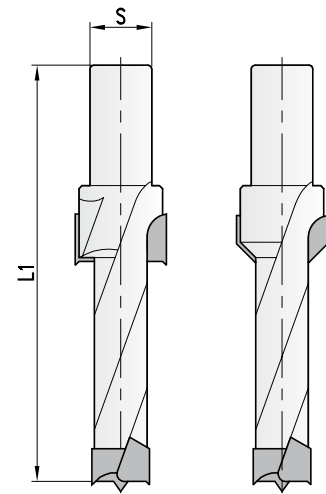
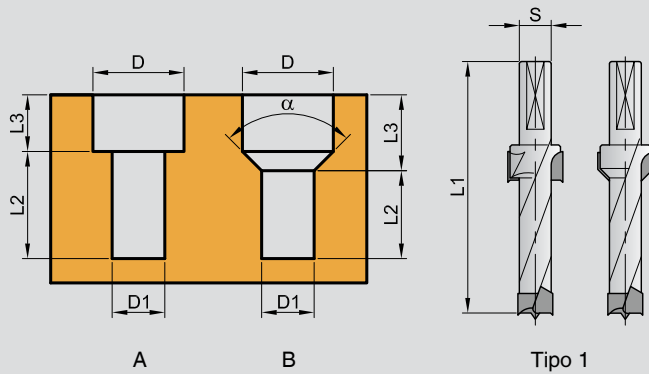
3-30	50-130
------	--------

- Under request - [Sur demande](#)

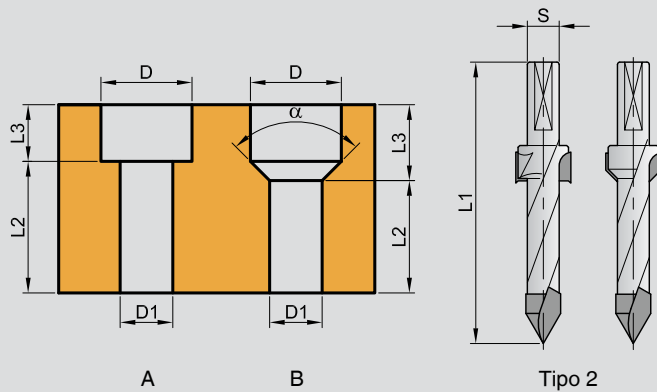
MAN	HW
	HS

A205

Under request. When ordering please state rotation, different dimensions according to the drawing and type of work.
 Sur demande. Dans la commande il faut mentionner la rotation (droite au gauche), les mesures selon le dessin et le type de travail à réaliser.



Under request. When ordering please state rotation, different dimensions according to the drawing and type of work.
 Sur demande. Dans la commande il faut mentionner la rotation (droite au gauche), les mesures selon le dessin et le type de travail à réaliser.



Loose countersink, clamping on the spiral
Fraiseur pour montage sur hélice

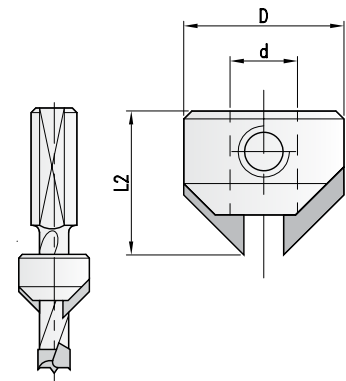
d	D	Z	L2	Ref.LH	Ref.RH
4	16	2	15	A230.004.015.04	A230.004.115.04
5	16	2	15	A230.005.015.05	A230.005.115.05
6	16	2	15	A230.006.015.06	A230.006.115.06
7	16	2	15	A230.007.015.07	A230.007.115.07
8	18	2	15	A230.008.015.08	A230.008.115.08
9	18	2	15	A230.009.015.09	A230.009.115.09
10	20	2	15	A230.010.020.10	A230.010.120.10
11	20	2	15	A230.011.020.11	A230.011.120.11
12	20	2	15	A230.012.020.12	A230.012.120.12

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M5x5	705.102
T Wrench - Clé en T	SW2,5	706.152

MAN HW

A230



Loose countersink, clamping on shank
Fraiseur pour montage sur la queue

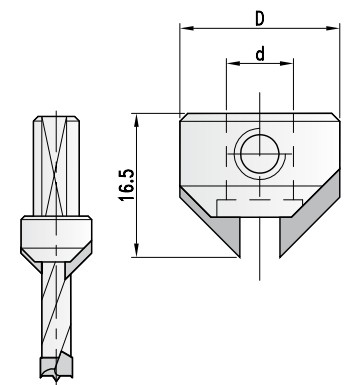
d	D	Z	Ref.LH	Ref.RH	
10	5-10	20	2	A232.020.016.10	A232.020.116.10
10	11-12	22	2	A232.022.016.10	A232.022.116.10

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M5x5	705.102
T Wrench - Clé en T	SW2,5	706.152

MAN HW

A232



Adjustable countersink
Fraiseur extensible

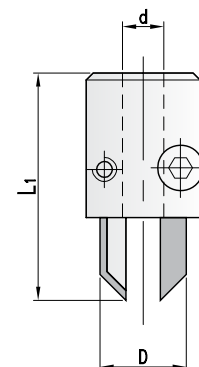
D	d	Z	L1	Ref.
10-14,7	3-7,2	2	34	A233.003.133.03

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M4x12	705.323.12
T Wrench - Clé en T	SW3	706.153

MAN HW

A233



Adjustable countersink. One countersink fits all diameters from 3,0 to 7,2.
Fraiseur extensible. Un seul fraiseur pour mèches de diamètre 3,0 jusqu'à 7,2.



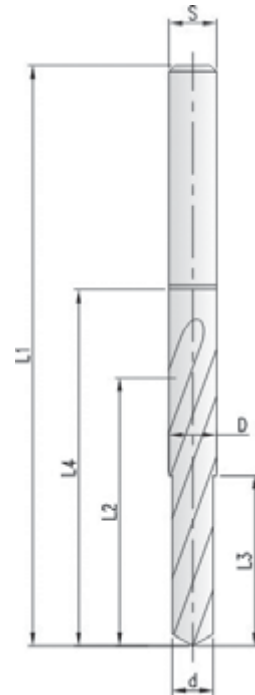
Through-hole drill for hinges Mèches à trou débouchant pour charnières

Nr.	d	D-S	L3	L2	L4	L1	Ref.
11	4,8	5,7	17	60	76	145	A227.005.060.07
13	5,8	6,7	18	68	83	155	A227.006.068.07
16	6,7	7,7	25	85	100	165	A227.007.085.07
17	7,0	7,7	-	95	-	157	A227.007.095.07 ■
18	7,7	8,7	25	85	102	165	A227.008.085.07
new 20	8,8	9,8	25	90	104	165	A227.009.090.09

■ While quantities last - Jusqu'à épuisement du stock

MAN HS

A227

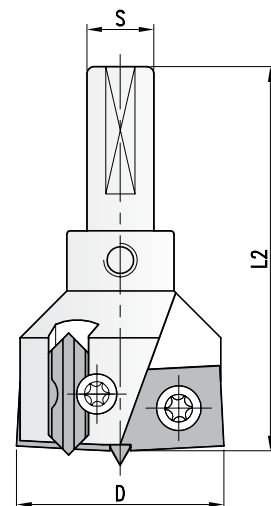


Hinge boring bits Mèches à façonner

D	L2	S	Z	V	Ref.LH	Ref.RH
25	555	10x26	2	2	A254.025.212.10	A254.025.312.10
26	555	10x26	2	2	A254.026.212.10	A254.026.312.10
30	555	10x26	2	2	A254.030.212.10	A254.030.312.10
35	555	10x26	2	2	A254.035.212.10	A254.035.312.10

MAN HW

A254



Spare parts - Pièces de rechange

	D	Dim.	Ref.
Knife - Plaque	25	10,5x12x1,5	750.200
	26	11x12x1,5	750.209
	30	13x12x1,5	750.202
	35	15,7x12x1,5	750.203
Torx Screw - Vis Torx		M3,5x5	705.352
		M3,5x6,5	705.350
Spur - Araseurs		18x6x3,5	795.102
Torx Screw - Vis Torx		M3,5x6	705.312.06
Centering pin - Plaque de centrage		Ø3x33,5	795.101
Screw - Vis		M6x6	705.583
Adjusting Screw - Vis		M5x10	705.103
T Wrench - Clé en T		SW3	706.153
Torx wrench - Clé torx		T15	706.302

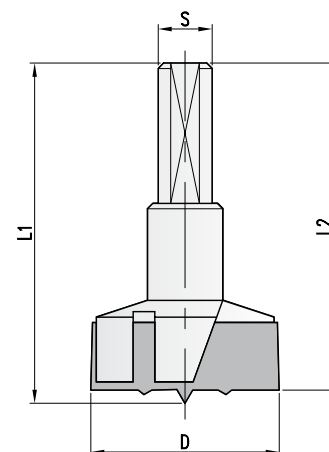
Hinge boring bits Mèches à façonner

D	L2	L1	S	Z	V	Ref.LH	Ref.RH
L1 = 57,5mm							
15	55,5	57,5	10x26	2	2	A190.015.012.10	A190.015.112.10
16	55,5	57,5	10x26	2	2	A190.016.012.10	A190.016.112.10
18	55,5	57,5	10x26	2	2	A190.018.012.10	A190.018.112.10
20	55,5	57,5	10x26	2	2	A190.020.012.10	A190.020.112.10
22	55,5	57,5	10x26	2	2	A190.022.012.10	A190.022.112.10
24	55,5	57,5	10x26	2	2	A190.024.012.10 ■	
25	55,5	57,5	10x26	2	2	A190.025.012.10	A190.025.112.10
26	55,5	57,5	10x26	2	2	A190.026.012.10	A190.026.112.10
28	55,5	57,5	10x26	2	2	A190.028.012.10	A190.028.112.10
30	55,5	57,5	10x26	2	2	A190.030.012.10	A190.030.112.10
32	55,5	57,5	10x26	2	2	A190.032.012.10 ■	
34	55,5	57,5	10x26	2	2		A190.034.112.10
35	55,5	57,5	10x26	2	2	A190.035.012.10	A190.035.112.10
38	55,5	57,5	10x26	2	2	A190.038.012.10	A190.038.112.10
40	55,5	57,5	10x26	2	2	A190.040.012.10	A190.040.112.10
L1 = 70,0mm							
15	68	70	10x26	2	2	A190.015.070.10	A190.015.170.10
20	68	70	10x26	2	2	A190.020.070.10	A190.020.170.10
25	68	70	10x26	2	2	A190.025.070.10	A190.025.170.10
30	68	70	10x26	2	2	A190.030.070.10	A190.030.170.10
35	68	70	10x26	2	2	A190.035.070.10	A190.035.170.10
40	68	70	10x26	2	2	A190.040.070.10 ■	
L1 = 77,0mm							
20	75	77	10x30	2	2		A190.020.177.10 ■
25	75	77	10x30	2	2	A190.025.077.10	A190.025.177.10
30	75	77	10x30	2	2	A190.030.077.10	A190.030.177.10
35	75	77	10x30	2	2	A190.035.077.10	A190.035.177.10

■ While quantities last - Jusqu'à épuisement du stock

MAN HW

A190



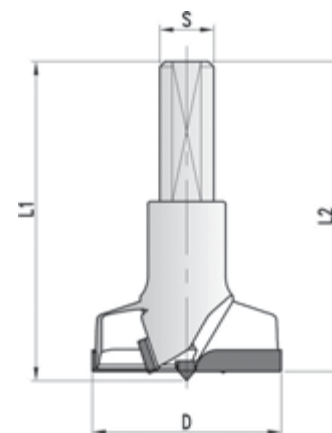
Diamond hinge boring bits Mèches à façonner, DP



D	L2	S	Z	V	Ref.LH	Ref.RH
L1 = 55,5mm						
25	555	10x26	2	2	A816.025.012.10	A816.025.112.10
30	555	10x26	2	2	A816.030.012.10	A816.030.112.10
35	555	10x26	2	2	A816.035.012.10	A816.035.112.10
L1 = 70,0mm						
new 25	70	10x26	2	2	A816.025.070.10	A816.025.170.10
new 30	70	10x26	2	2	A816.030.070.10	A816.030.170.10
new 35	70	10x26	2	2	A816.035.070.10	A816.035.170.10

MAN DP

A816



Spare parts - Pièces de rechange

	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Centering pin - Plaquette de centrage	Ø3x33.5	795.101
Screw - Vis	M6x6	705.583
T Wrench - Clé en T	SW3	706.153

Hinge boring bits Mèches à façonner

D	L2	S	Z	V	Ref.LH	Ref.RH
25	55,5	10x26	3	3	A191.025.012.10	■ A191.025.112.10 ■
30	55,5	10x26	3	3	A191.030.012.10	■ A191.030.112.10 ■
35	55,5	10x26	3	3	A191.035.012.10	■ A191.035.112.10 ■

■ While quantities last - Jusqu'à épuisement du stock

Spare parts - Pièces de rechange

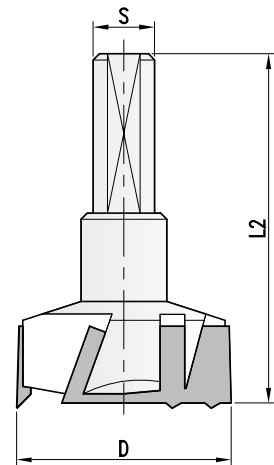
	Dim.	Ref.
Adjusting Screw - Vis	M5x10	705.103
Special adjusting Screw - Vis spéciale de réglage	M5x17	705.180

Without center point, allowing boring depths close to the bottom-side laminate.
Sans centralisateur, permet des profondeurs de perçage près du fond, du côté revêtu.



MAN HW

A191

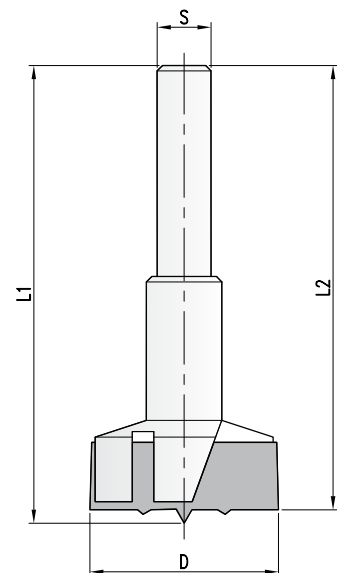


Hinge boring bits Mèches à façonner

D	L1	S	Z	V	Ref.
L1 = 90,0mm					
15	90	10x60	2	2	A192.015.112.10
16	90	10x60	2	2	A192.016.112.10
18	90	10x60	2	2	A192.018.112.10
20	90	10x60	2	2	A192.020.112.10
22	90	10x60	2	2	A192.022.112.10
24	90	10x60	2	2	A192.024.112.10
25	90	10x60	2	2	A192.025.112.10
26	90	10x60	2	2	A192.026.112.10
28	90	10x60	2	2	A192.028.112.10
30	90	10x60	2	2	A192.030.112.10
32	90	10x60	2	2	A192.032.112.10
34	90	10x60	2	2	A192.034.112.10
35	90	10x60	2	2	A192.035.112.10
38	90	10x60	2	2	A192.038.112.10
40	90	10x50	2	2	A192.040.112.10
45	90	10x50	2	2	A192.045.112.10
50	90	10x50	2	2	A192.050.112.10
Long design - Série longue					
50	130	16x50	2	2	A192.050.130.16
55	140	16x50	2	2	A192.055.140.16
60	140	16x50	2	2	A192.060.140.16

MAN HW

A192

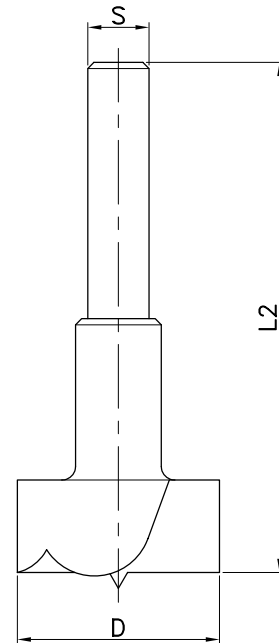


Machine bits
Mèche à tête cylindrique

D	L1	S	Z	V	Ref.
10	120	13x50	2	2	A214.010.112.13
12	120	13x50	2	2	A214.012.112.13
14	125	13x50	2	2	A214.014.112.13
15	125	13x50	2	2	A214.015.112.13
16	125	13x50	2	2	A214.016.112.13
18	130	13x50	2	2	A214.018.112.13
20	130	13x50	2	2	A214.020.112.13
22	130	13x50	2	2	A214.022.112.13
24	135	13x50	2	2	A214.024.112.13
25	135	13x50	2	2	A214.025.112.13
26	135	13x50	2	2	A214.026.112.13
28	135	13x50	2	2	A214.028.112.13
30	140	13x50	2	2	A214.030.112.13
32	140	16x50	2	2	A214.032.112.16
34	140	16x50	2	2	A214.034.112.16
35	145	16x50	2	2	A214.035.112.16
36	145	16x50	2	2	A214.036.112.16
38	145	16x50	2	2	A214.038.112.16
40	150	16x50	2	2	A214.040.112.16
45	150	16x50	2	2	A214.045.112.16
50	150	16x50	2	2	A214.050.112.16

MAN SP

A214

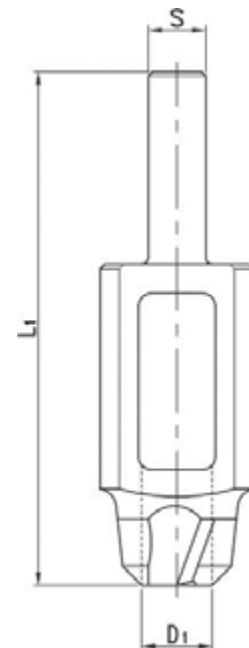


Plug cutter
Mèche à bouchon

D	L1	S	Z	Ref.
10	140	13x50	4	A215.010.112.13
12	140	13x50	4	A215.012.112.13
15	140	13x50	4	A215.015.112.13
20	140	13x50	4	A215.020.112.13
25	140	13x50	5	A215.025.112.13
30	140	13x50	5	A215.030.112.13
35	160	16x50	5	A215.035.112.16
40	160	16x50	6	A215.040.112.16
45	160	16x50	6	A215.045.112.16
50	160	16x50	6	A215.050.112.16

MAN SP

A215

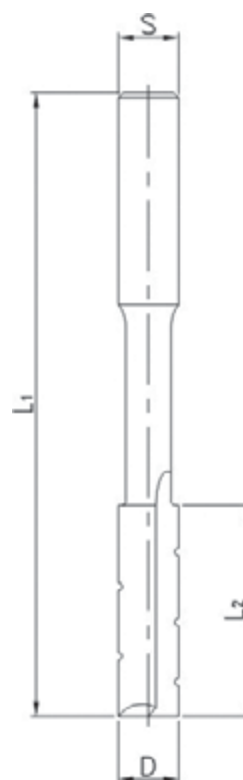


Slot mortise bit
Mèche à mortaiser

D	L2	L1	S	Z	Ref.LH	Ref.RH
S=13,0mm						
6	40	120	13	2	A196.006.040.13	A196.006.140.13
7	40	125	13	2	A196.007.040.13	A196.007.140.13
8	40	130	13	2	A196.008.040.13	A196.008.140.13
9	45	135	13	2	A196.009.045.13	A196.009.145.13
10	45	140	13	2	A196.010.045.13	A196.010.145.13
11	50	145	13	2	A196.011.050.13	A196.011.150.13
12	50	150	13	2	A196.012.050.13	A196.012.150.13
13	55	155	13	2	A196.013.055.13	A196.013.155.13
14	55	160	13	2	A196.014.055.13	A196.014.155.13
15	60	165	13	2	A196.015.060.13	A196.015.160.13
16	65	170	13	2	A196.016.065.13	A196.016.165.13
18	70	180	13	2	A196.018.070.13	A196.018.170.13
20	75	185	13	2	A196.020.075.13	A196.020.175.13
22	75	195	13	2	A196.022.075.13	A196.022.175.13
24	80	200	13	2	A196.024.080.13	A196.024.180.13
26	90	210	13	2	A196.026.090.13	A196.026.190.13
S=16,0mm						
6	40	120	16	2	A196.006.040.16	A196.006.140.16
7	40	125	16	2	A196.007.040.16	A196.007.140.16
8	40	130	16	2	A196.008.040.16	A196.008.140.16
9	45	135	16	2	A196.009.045.16	A196.009.145.16
10	45	140	16	2	A196.010.045.16	A196.010.145.16
11	50	145	16	2	A196.011.050.16	A196.011.150.16
12	50	150	16	2	A196.012.050.16	A196.012.150.16
13	55	155	16	2	A196.013.055.16	A196.013.155.16
14	55	160	16	2	A196.014.055.16	A196.014.155.16
15	60	165	16	2	A196.015.060.16	A196.015.160.16
16	65	170	16	2	A196.016.065.16	A196.016.165.16
18	70	180	16	2	A196.018.070.16	A196.018.170.16
20	75	185	16	2	A196.020.075.16	A196.020.175.16
22	75	195	16	2	A196.022.075.16	A196.022.175.16
24	80	200	16	2	A196.024.080.16	A196.024.180.16
26	90	210	16	2	A196.026.090.16	A196.026.190.16

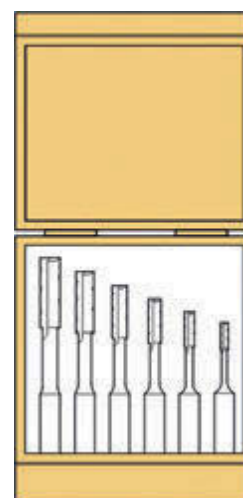
MAN SP

A196



Set of 6 slot mortise bit
Jeu avec 6 mèches à mortaiser

D	S	Ref.LH	Ref.RH
6/8/10/12/14/16	13	A426.196.006.13	A426.196.106.13
6/8/10/12/14/16	16	A426.196.006.16	A426.196.106.16



Reciprocating slot mortise bit
Mèche à mortaiser oscillante

D	L2	L1	S	Z	Ref.
6	50	90	13	4	A200.006.350.13
8	55	95	13	4	A200.008.355.13
10	65	105	13	4	A200.010.365.13
12	75	115	13	4	A200.012.375.13
14	85	125	13	4	A200.014.385.13
16	90	130	13	4	A200.016.390.13

MEC HS

A200

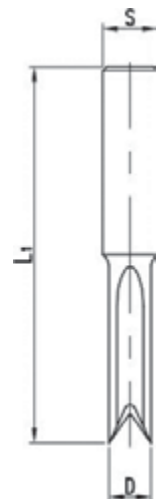


Reciprocating slot mortise bit
Mèche à mortaiser oscillante

D	L2	L1	S	Z	Ref.
8	30	75	95	2	A206.008.128.95 ■
10	30	75	95	2	A206.010.128.95 ■
12	30	75	95	2	A206.012.128.95 ■
8	28	75	10	2	A206.008.128.10
10	28	75	10	2	A206.010.128.10
12	28	75	10	2	A206.012.128.10

MEC HS

A206



■ While quantities last - Jusqu'à épuisement du stock

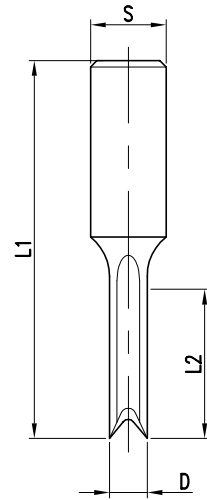


Reciprocating slot mortise bit
Mèche à mortaiser oscillante

D	L2	L1	S	Z	Ref.
6	25	60	12x30	2	A194.006.125.12
8	25	60	12x30	2	A194.008.125.12
10	25	60	12x30	4	A194.010.125.12
12	25	60	12x30	4	A194.012.125.12
14	25	60	12x30	4	A194.014.125.12

MEC HS

A194/9



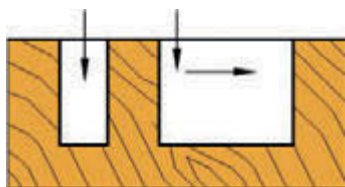
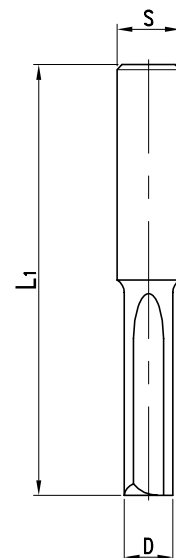
D	L2	L1	S	Z	Ref.
new 6	45	90	13x40	2	A199.006.145.13
8	50	95	13x40	2	A199.008.135.13
10	60	105	13x40	2	A199.010.135.13
12	70	115	13x40	2	A199.012.138.13

Reciprocating slot mortise bit
Mèche à mortaiser oscillante

D	L2	L1	S	Z	Ref.LH	Ref.RH
6	50	90	13	3	A197.006.050.13	A197.006.150.13
8	55	95	13	3	A197.008.055.13	A197.008.155.13
10	65	105	13	3	A197.010.065.13	A197.010.165.13
12	75	115	13	3	A197.012.075.13	A197.012.175.13
14	85	125	13	3	A197.014.085.13	A197.014.185.13
16	90	130	13	3	A197.016.090.13	A197.016.190.13

MEC HS

A197



9

ALU and PVC
ALU et PVC



FREZITE 

Counter profile cutters	
Fraises pour contre-profil	9.3
Counterprofile cutters	
Fraises pour contre-profil	9.4
Router cutter for light openings	
Mèches pour percer et fraiser	9.5
Hinge boring bits, for alu	
Mèches à façonner, pour alu.....	9.6
Dowel drills	
Mèches à percer	9.6
Sleeve with locking nut	
Manchons de serrage avec écrou	9.7
Spacers	
Bagues intercalaires de réglage	9.8
Cutters for PVC	
Fraises pour PVC	9.9

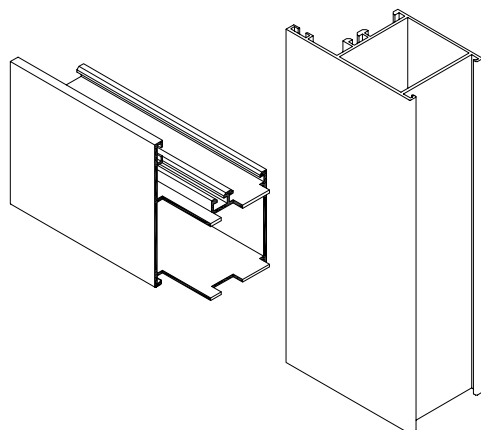
Counter profile cutters
Fraises pour contre-profil

D	B	d	Z	Ref.
70	5	32	8	310.301
	6	32	8	310.302
72	5	32	8	310.303
	6	32	8	310.304
74	5	32	8	310.305
	6	32	8	310.306
80	5	32	8	310.307
	6	32	8	310.308
98	5	32	10	310.309
	6	32	10	310.310
100	5	32	10	310.311
	6	32	10	310.312
110	5	32	12	310.313
	6	32	12	310.314
112	5	32	12	310.315
	6	32	12	310.316
114	5	32	12	310.317
	6	32	12	310.318

D	B	d	Z	Ref.
70	6	32	12	310.005 ■
72	6	32	12	310.007 ■
74	5	32	12	310.061 ■
	6	32	12	310.062 ■
80	5	32	12	310.009 ■
	6	32	12	310.010 ■
98	5	32	12	310.012 ■
	6	32	12	310.013 ■
100	5	32	12	310.015 ■
110	5	32	16	310.110 ■
	6	32	16	310.111 ■
112	5	32	16	310.120 ■
	6	32	16	310.121 ■
114	5	32	16	310.130 ■
	6	32	16	310.131 ■

■ While quantities last - Jusqu'à épuisement du stock

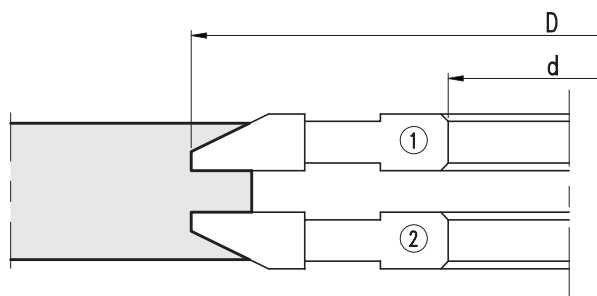
MEC HW **310**



Counterprofile cutters Fraises pour contre-profil

Nr.	D	B	d	Z	Ref.
1	100	75	32	8	311.101 ■
2	100	75	32	8	311.102 ■
1+2					311.103

■ While quantities last - Jusqu'à épuisement du stock



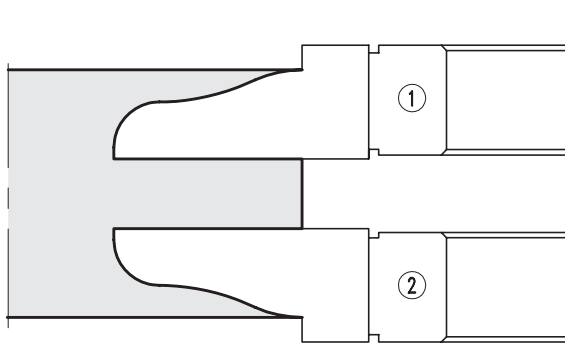
MEC HW

311



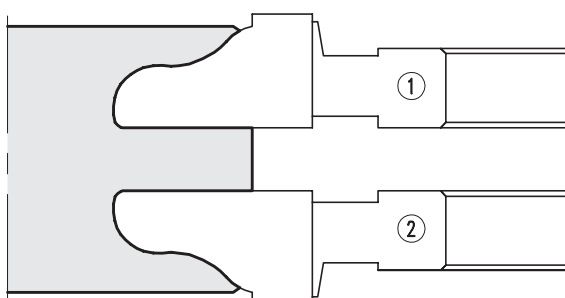
Nr.	D	B	d	Z	Ref.
1	120	15	32	6	311.110 ■
2	120	15	32	6	311.111 ■
1+2					311.112

■ While quantities last - Jusqu'à épuisement du stock



Nr.	D	B	d	Z	Ref.
1	120	15	32	6	311.120 ■
2	120	15	32	6	311.121 ■
1+2					311.122

■ While quantities last - Jusqu'à épuisement du stock

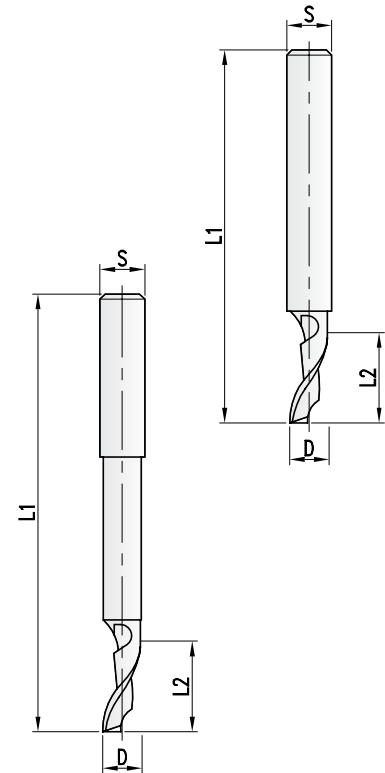


Router cutter for light openings (alu+pvc)
Mèches pour percer et fraiser (alu+pvc)

D	L2	L1	S	Z	Ref.RH
5	12	60	8	1	A092.005.114.08
6	14	60	8	1	A092.006.114.08
8	16	60	8	1	A092.008.114.08

MAN HS

A092



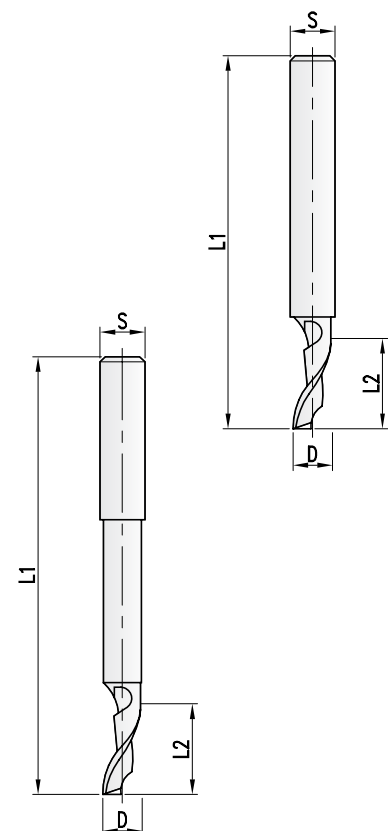
D	L2	L1	S	Z	Ref.RH
5	16/45	90	8	1	A092.005.316.08
6	16/45	90	8	1	A092.006.316.08
8	14/68	100	8	1	A092.008.314.08

Router cutter for light openings (alu+pvc), solid t.c.
Mèches pour percer et fraiser (alu+pvc), carbure massif

D	L2	L1	S	Z	Ref.RH
3	12	50	3	1	A093.003.112.03
4	12	50	4	1	A093.004.112.04
5	20	60	5	1	A093.005.120.05
6	20	60	6	1	A093.006.120.06
8	20	75	8	1	A093.008.120.08
10	25	75	10	1	A093.010.125.10

MAN HW

A093



D	L2	L1	S	Z	Ref.RH
5	20/60	100	8	1	A093.005.220.08
6	20/60	100	8	1	A093.006.220.08
8	20/75	100	8	1	A093.008.320.08
10	25/75	100	10	1	A093.010.220.10
12	35/75	100	12	1	A093.012.235.12

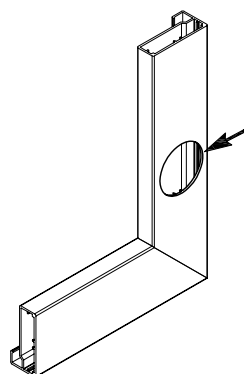


Hinge boring bits, for alu Mèches à façonner, pour alu

D	L1	S	Z	Ref.
26	70	10x26	2	A189.026.170.10
35	70	10x26	2	A189.035.170.10

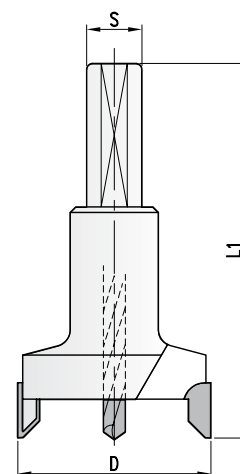
Spare parts - Pièces de rechange

Dim.	Ref.
Adjusting Screw - Vis	M5x10 705.103
Center point - Plaquette de centrage	A201.004.130.94
Screw - Vis	M5x5 705.102



MEC HW

A189

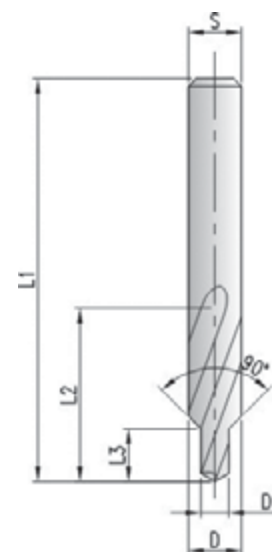


Dowel drills Mèches à percer

D1	D/S	L3	L2	L1		Ref.
34	66	9	63	101	M3	A090.006.009.06
45	90	11	81	125	M4	A090.009.011.09
55	110	13	94	142	M5	A090.011.013.11
66	130	15	101	151	M6	A090.013.015.13
90	172	19	130	191	M8	A090.017.019.17
105	190	23	135	198	M10	A090.019.023.19

MAN HS

A090

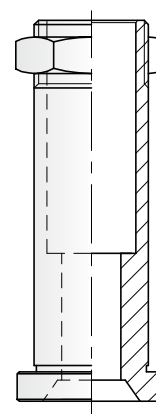
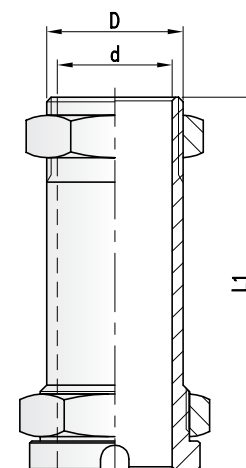


Sleeve with locking nut
Manchons de serrage avec écrou

729

D	B	d		Ref.
32	140	27	TEKNA TK610/Z	729.211.27
32	90	14	AYUTOR 500	729.201.14
27	90	14	MN-75-AR	729.202.14 ■
32	90	14	MN-75-AR	729.201.14
50	85	40	ELUMATEC AF-221, AF-222, AF-223	704.173.40
32	75	20	MAQUICÔA MA-91	729.106.20
32	160	25	IM/CRS OL - 94	729.208.25
32	100	27	TRE-C INTEX 2500	729.203.27 ■
32	150	27	LGF BEBA	729.206.27
32	140	25	DIXI(Old)	729.204.25
32	200	25	DIXI(New)	729.207.25
32	156	19	MADAF PHANTON - M	729.301.19
32	1,635	25	PHANTON - SK	729.105.25
32	150	27	MECAL FR 704, FR 706 FR 702, FR 703 FR 712	729.206.27
32	125	22	MIEPA MP - 130	729.303.22
32	135	27	ML - 124/OS	729.205.27
32	135	27	OMC FEROCO, FEROCO-A, MÁXIMA, TIGRA, TIGRA-A	729.209.27
32	135	27	OMGA AL - 132	729.205.27
32	135	27	PERTICI ML - 120	729.205.27
32	135	27	RINALDI LILIPUT 9M 7000 FS	729.205.27
32	70	14	TRIPERCISÃO FV-100-M	729.102.14
22	70	14	FV-100-M	729.103.14
32	150	24	FV-140	729.304.24
32	173	25	FV-190-A	729.302.25
32	140	25	GREENMAC GM 4590	729.204.25

■ While quantities last - Jusqu'à épuisement du stock



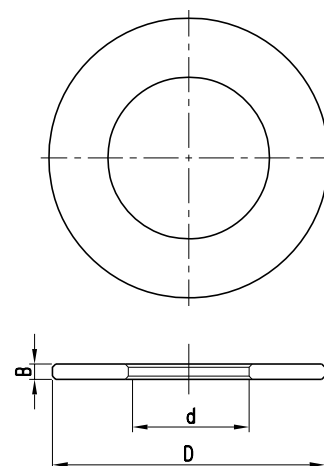
Sleeves for other machines under request.
 On request please state machine and model.

Manchons de serrage pour autres machines
 sur demande. En cas de demande indiquer
 machine et modèle.



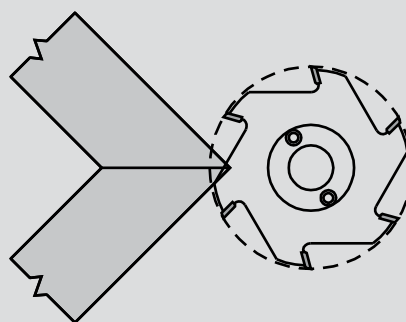
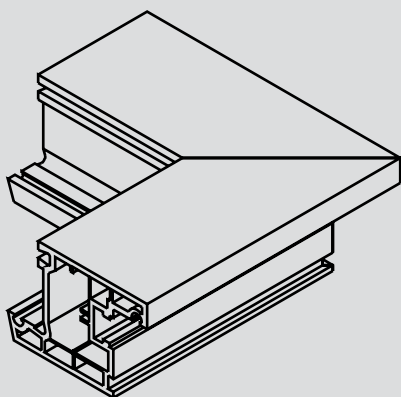
9

D	B	d	Ref.	
22	1	32	703.971	
	2	32	703.972	
	5	32	703.973	
	1	32	703.974	
	3	32	703.950	
	5	32	703.951	
	7	32	703.975	
	10	32	703.954	
	27	1	37	703.976
		2	37	703.977
5		37	703.978	
1		37	703.979	
3		37	703.957	
5		37	703.958	
7		37	703.960	
10		37	703.961	
32		1	42	703.981
		2	42	703.982
	5	42	703.983	
	1	42	703.984	
	3	42	703.964	
	5	42	703.965	
	7	42	703.985	
	10	42	703.968	
	20	42	703.970	
	50	42	703.990	



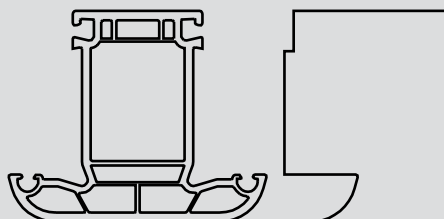
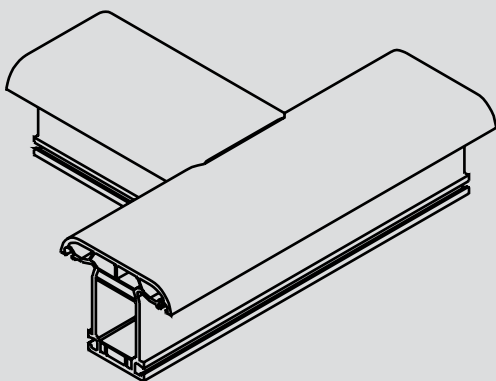
Deburring cutters (under request). To clear welding excess on PVC windows and frames. Profiles compensated at 45° and set up to each job.

Fraises pour ébavurer (sur demande). Pour élimination du bord de soudage dans les dormants et ouvrants des fenêtres en PVC. Profils avec compensation à 45° adaptés aux besoins de chaque travail.



Counterprofile cutters (under request).
For milling counter profiles a 90°.

Fraises pour contre-profil (sur demande).
Pour ébavurage avec obtention du contre-profil pour joints à 90°.



10

Clamping systems Mandrins et accessoires de serrage



FREZITE 

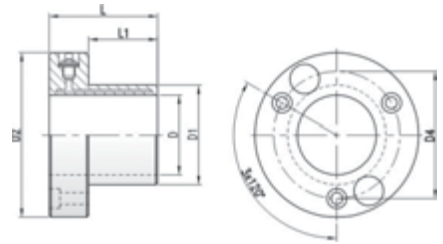
Hydro Clamping sleeve	
Manchon de serrage hydraulique	10.3-10.4
Sleeve with locking nut and flange sleeve	
Manchons de serrage avec écrou et manchons secs	10.5
Shrink-fit chucks, hydro and TRIBOS® tool holder	
Mandrin à serrage hydro, à fretter et système TRIBOS®	10.6-10.7
Collet chucks	
Mandrins concentriques.....	10.8-10.11
Holding bolt	
Ergot de maintien	10.12
Collets	
Pinces	10.12-10.13
Arbor with shank	
Arbre porte-fraises	10.14-10.16
Adapters	
Mandrins de réduction	10.17
Adapters	
Adaptateurs.....	10.18

Hydro Clamping sleeve Manchon de serrage hydraulique

D	D1	D2	D4	L	L1	Ref.
30	40	83	64	55	35	724.101
	50	83	64	55	35	724.102
35	50	83	64	55	35	724.103
	60	93	74	55	35	724.105
40	50	83	64	55	35	724.104
	60	93	74	55	35	724.106
45	60	93	74	55	35	724.107
50	60	93	74	55	35	724.111



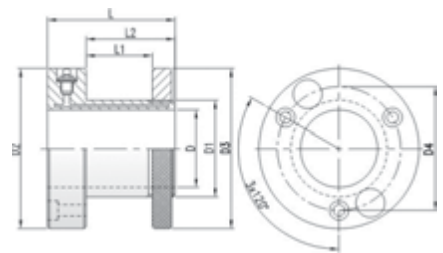
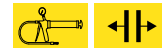
724



The sleeve only expands against the machine spindle. The tool and sleeve should be bolted together. Pressurizing is carried out with a high pressure grease pump.

Le manchon ne fait expansion que contre l'arbre de la machine. L'outil et le manchon doivent se goujonner conjointement. La pression est effectuée avec une pompe à graisse à haute pression.

D	D1	D2	D3	D4	L	L1	L2	Ref.
30	50	83	83	64	75	40	55	724.201
35	50	83	83	64	75	40	55	724.202
	50	83	83	64	115	80	95	724.203
	50	83	83	64	165	130	145	724.204
	60	93	90	74	75	40	55	724.205
	60	93	90	74	115	80	95	724.206
	60	93	90	74	140	105	120	724.207
40	50	83	83	64	75	40	55	724.211
	50	83	83	64	115	80	95	724.213
	50	83	83	64	140	105	120	724.215
	50	83	83	64	165	130	145	724.216
	50	83	83	64	190	155	170	724.217
	60	93	90	74	75	40	55	724.218
	60	93	90	74	115	80	95	724.220
	60	93	90	74	140	105	120	724.221
	60	93	90	74	165	130	145	724.224
	60	93	90	74	215	180	195	724.226
45	60	93	90	74	75	40	55	724.228
	60	93	90	74	115	80	95	724.230
	60	93	90	74	140	105	120	724.232
	60	93	90	74	190	155	170	724.234
	60	93	90	74	240	205	220	724.236
50	60	93	90	74	75	40	55	724.238
	60	93	90	74	115	80	95	724.240
	60	93	90	74	140	105	120	724.242
	60	93	90	74	190	155	170	724.243
	60	93	90	74	240	205	220	724.245



The sleeve expands against the tool and machine spindle. The sleeve can easily be used with different tools. Pressurizing is carried out with a high pressure grease pump.

Le manchon se dilate contre l'outil et la broche de la machine. Le manchon peut facilement être utilisé avec différents outils. La pression est effectuée avec une pompe à graisse à haute pression.

Spare parts - Pièces de rechange

	Ref.
Grease pump - Pompe de chargement	724.401
Grease cartridge - Chargement	724.402



10

Hydro Clamping sleeve Manchon de serrage hydraulique

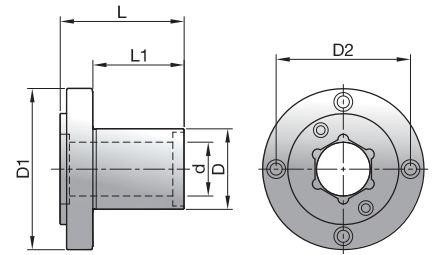
d	D	D1	D2	L	L1	Ref.
40	60	120	100	92	68	724.301

The sleeve expands against the tool and machine spindle with hexagonal spindle profile. The sleeve can easily be used with different tools. Pressurizing is carried out with a high pressure grease pump. Safety disc is not included.

Le manchon se dilate contre l'outil et la broche de la machine. Le manchon peut facilement être utilisé avec différents outils. La pression est effectuée avec une pompe à graisse à haute pression.



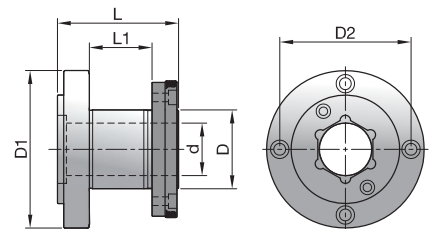
724



d	D	D1	D2	L	L1	Ref.
40	60	120	100	92	55	724.350

Hydro sleeve with microthread allowing easy set up. The sleeve expands against the tool and machine spindle with hexagonal spindle profile. The sleeve can easily be used with different tools. Safety disc is not included.

Le manchon hydraulique avec réglage micrométrique permet un réglage facile. Le manchon se dilate contre l'outil et la broche de la machine. Le manchon peut facilement être utilisé avec différents outils. La pression est effectuée avec une pompe à graisse à haute pression.

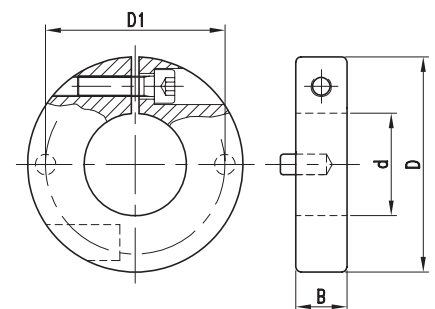


Spare parts - Pièces de rechange

	Ref.
Clamping flange with sealing ring - Flasque de serrage avec bague d'étanchéité	724.403



d	B	D	D1	Ref.
40	20	84	2/8/70	724.404.40
50	20	92	2/8/75	724.404.50



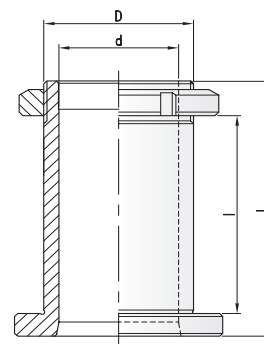
Sleeve with locking nut

Manchons de serrage avec écrou

d	D	L	l	Ref.LH	Ref.RH
30	50	85	63	704.271	704.171
		60	63	704.251	704.151
	60	110	88	704.281	704.181
		60	110	88	704.261
35	50	85	63	704.272	704.172
		60	63	704.252	704.152
	60	110	88	704.282	704.182
		60	110	88	704.262
40	50	85	63	704.273	704.173
		60	63	704.253	704.153
	60	110	88	704.283	704.183
		60	110	88	704.263
50	60	85	63	704.254	704.154
	60	110	88	704.264	704.164

Spare parts - Pièces de rechange

Dim.	Ref.
Hook wrench - Clés plates	
D=50	706.501
D=60	706.502



704

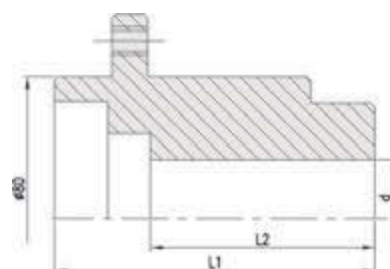
Flange sleeve

Manchons secs

L1	L2	d	TK	Ref.
90	63	35	8/M8/100	Homag, IMA, Torwegge 730.101
97	68	40	8/M8/100	Schwabedissen, Gabbiani 730.102

Spare parts - Pièces de rechange

Dim.	Ref.
Screw for hogsers with segments Vis pour déchiqueteur avec segments	M8x12 705.700.12
Screw for compact hogger Vis pour déchiqueteur compact	M8x16 705.700.16



730

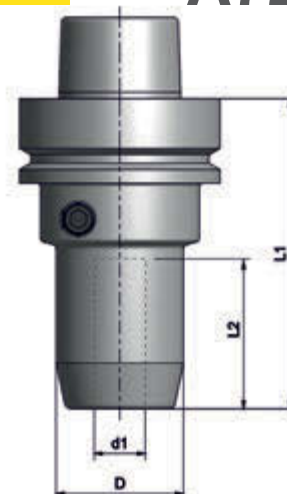
10

Hydro tool holder Mandrin à serrage hydro

	d1	D	L1	L2	S	Ref.
new	12	36	87	40	HSK63F	A724.012.140.60
new	16	36	87	40	HSK63F	A724.016.140.60
new	20	40	99	52	HSK63F	A724.020.152.60
new	25	45	103	56	HSK63F	A724.025.156.60



A724



Advantages:

- Easy and fast tool replacement.
- Clamping system assuring concentricity on 3xd1 max de 0,006mm.
- n max 25.000 rpm.

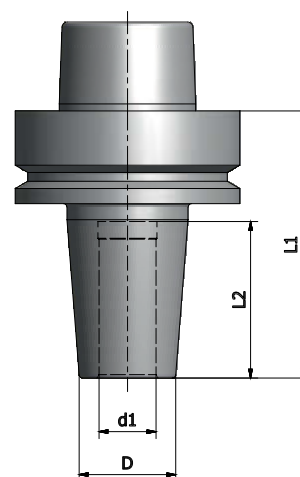
Avantages:

- Facile et rapide changement de l'outil.
- Système de serrage avec concentricité à 3xd1 max de 0,006mm.
- n max 25.000 rpm.

Shrink-fit chucks Mandrins à frotter

	d1	D	L1	L2	S	Ref.
new	10	24	75	40	HSK63F	A726.010.140.60
new	12	24	75	40	HSK63F	A726.012.140.60
new	14	27	75	44	HSK63F	A726.014.144.60
new	16	27	75	44	HSK63F	A726.016.144.60
new	18	33	75	45	HSK63F	A726.018.145.60
new	20	33	75	45	HSK63F	A726.020.145.60
new	25	36	75	52	HSK63F	A726.025.152.60

A726



Advantages:

- Clamping system assuring concentricity of 0,005mm.
- Suitable for shank tolerance h6.
- Increased tool life.
- n max 30.000 rpm.

Avantages:

- Système de serrage avec concentricité de 0,005mm.
- Adapté pour toutes les queues h6.
- Augmentation de la durée de vie de l'outil.
- n max 30.000 rpm.

Tool holder TRIBOS®
Système de serrage TRIBOS®

d	D1	L2	L3	S	A	Ref.
12	19	47	61	SK30	80	SCK.203 766
	19	48,5	49	HSK63F	75	SCK.202 373
20	30	52	61	SK30	80	SCK.203 768
	30	53	49	HSK63F	75	SCK.202 375
25	35	55	61	SK30	80	SCK.203 769
	35	55	49	HSK63F	75	SCK.202 376



Intermediate Sleeves - Manchons intermédiaires

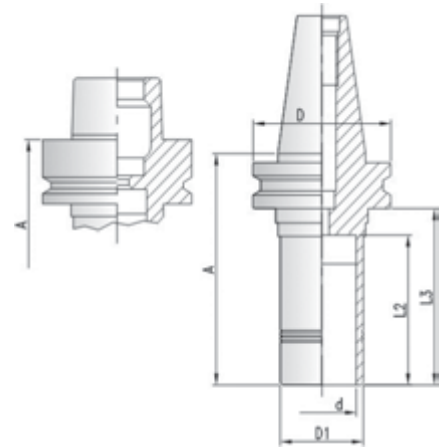
	d	d1	D	L1	L2	Ref.
new	20	6	24	50,5	2	SCK.217 923
new		8	24	50,5	2	SCK.217 925
new		10	24	50,5	2	SCK.217 927
new		12	24	50,5	2	SCK.217 929
new		14	24	50,5	2	SCK.217 931
new		16	24	50,5	2	SCK.217 933

Length increasers - Ralongeurs d'outils

	S	d1	L1	L2	L3	L4	Ref.
12	3	100	55	29,5	17		SCK.215 705
	4	100	55	29,5	17		SCK.215 707
	5	100	55	29,5	17		SCK.215 709
20	6	100	50	35	37		SCK.205 600
	8	100	50	35	37		SCK.205 601
	10	100	50	40	42		SCK.205 602
	12	100	50	45	47		SCK.205 603
20	6	150	100	35	37		SCK.205 604
	8	150	100	35	37		SCK.205 605
	10	150	100	40	42		SCK.205 606
	12	150	100	45	47		SCK.205 607



SCK25

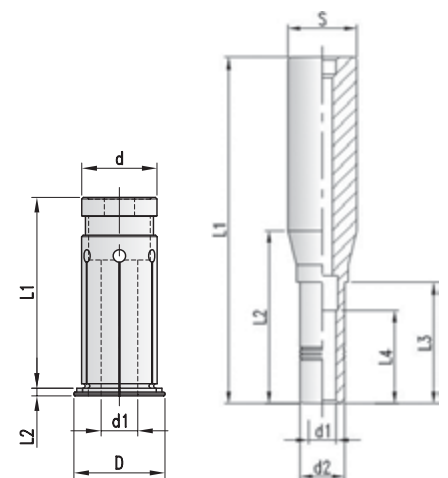


Tool holder TRIBOS

- Clamping system assuring concentricity ≤ 0.003 mm.
- Suitable for all shank type tools.
- Increased tool life.
- Better finish on the cutting surface.
- Quick tool change.
- Suitable for powerful milling operations.

Système de serrage TRIBOS

- Système de serrage avec concentricité ≤ 0.003 mm.
- Adapté pour tous les types d'outillage à queue.
- Augmentation de la durée de vie de l'outil.
- Meilleure finition sur la surface de coupe.
- Changement rapide des outils.
- Propre pour opérations d'usinage intenses.



Intermediate Sleeves
 Manchons intermédiaires

Length increasers.
 Ralongeurs d'outils

TRIBOS®

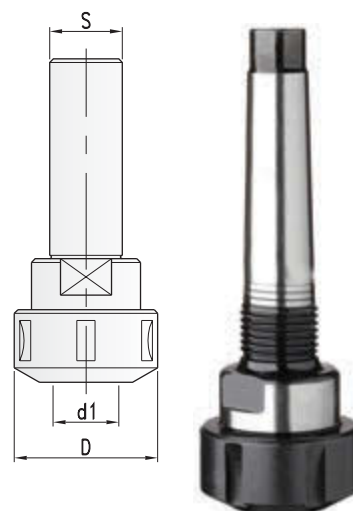
Collet chucks Mandrins concentriques

D	d1	S	Ref.,LH	Ref.,RH
40	6-12,7	18		A424.024.131.18
		20		A424.024.131.20
		MK2/Ø20x14F/1"	A424.024.031.70	A424.024.131.70

Spare parts - Pièces de rechange

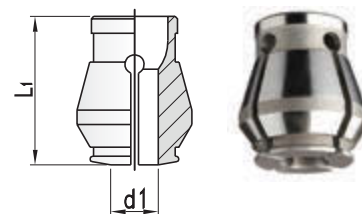
	Dim.	Ref.
Collet nut - Écrou de serrage	M30x1,5	709.003
THook wrench - Clés plates	40/42	706.500

A424



Holder supplied without collet.
Mandrin fourni sans pince.

d	L1	Ref.
6	31	A425.006.120.06
6,35	31	A425.096.120.96
8	31	A425.008.120.08
9,5	31	A425.099.120.99
10	31	A425.010.120.10
12	31	A425.012.120.12
12,7	31	A425.092.120.92



Precision collet chucks
Mandrins concentriques de précision

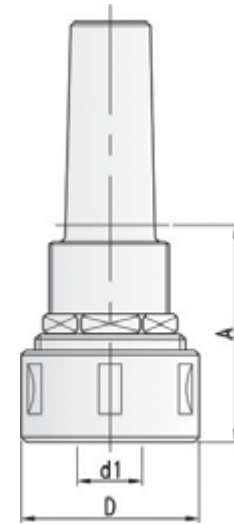
A428

D	d	S	A	Ref.,LH	Ref.,RH
new 50	6-20	ER32	25x55	62	A428.035.162.25 ■
			MK2/M30x1,5	A428.035.062.80	A428.035.162.80

■ For machines with Leuco PS system - Pour machines avec système PS Leuco

Spare parts - Pièces de rechange

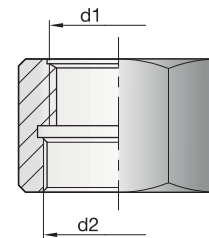
	Dim.	Ref.
Collet nut - Écrou de serrage	M40x1,5	RH 709.752
	M40x1,5	LH 709.757
THook wrench - Clés plates	45/50	706.504



Collet not included.
Sans pince.

Cap nuts for router machines - Écrous de fixation de mandrins pour défonceuses

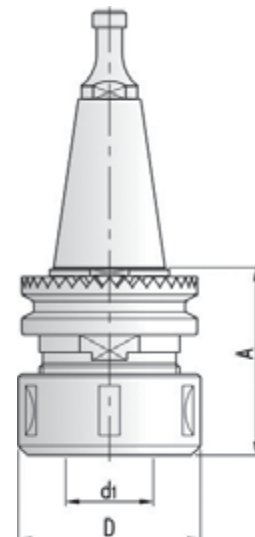
d1	d2	Ref.,LH	Ref.,RH
1 ^{1/8} x7Gg	Ø20x14F/1"		A481.100.120.01
	M30x1,5	A481.100.030.01	A481.100.130.01



S	D	A	d1	Pr.	Ref.
SCM, Morbidelli					
ISO 30	50	55	6-20	ER32	6
	60	72	6-25	462E	6

Spare parts - Pièces de rechange

	D	Dim.	Ref.
Collet nut - Écrou de serrage	50	M40x1,5	709.752
	60	M48x2	709.754
THook wrench - Clés plates	50	45/50	706.504
	60	58/62	706.503



Clamping nut with bearing, allowing RH and LH rotation.
Holder supplied without collet.

Écrou de serrage à billes, ce qui permet une rotation à droite ou à gauche.
Mandrin fourni sans pince.

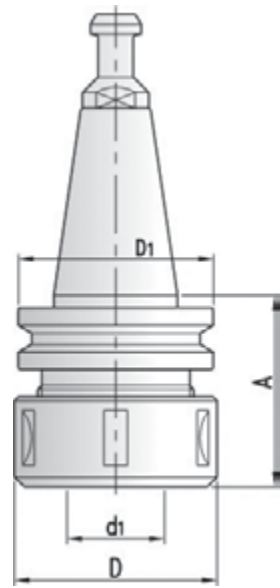


10

Precision collet chucks
Mandrins concentriques de précision

A428

S	D	A	d1	D1	Pr.	Ref.
IMA, Maka, Reichenbacher, Biesse, Alberti, Stegherr, etc.						
SK30	50	50	6-20 /ER32	50	1	A428.150.150.65
	63	63	6-25 /ER40	50	1	A428.150.170.65
SK40	60	70	6-25 /462E	63,5	2	A428.150.170.66
Alberti						
SK30	50	50	6-20 /ER32	50	5	A428.450.150.65
	63	63	6-25 /ER40	50	5	A428.450.170.65
Biesse until 9/92 - jusqu'à 9/92						
SK30	50	50	6-20 /ER32	50	3	A428.250.150.65
	63	63	6-25 /ER40	50	3	A428.250.170.65
Biesse after 9/92 (motor HSD) - après 9/92 (motor HSD)						
SK30	50	50	6-20 /ER32	50	4	A428.350.150.65
	63	63	6-25 /ER40	50	4	A428.350.170.65
CMS, Biesse						
ISO30	50	50	6-20 /ER32	46	8	A428.146.150.65
	63	57	6-25 /ER40	46	8	A428.146.157.65
Esseteam (motor Elte), Stemm						
SK30	50	60	6-20 /ER32	58	9	A428.058.050.65
	63	67	6-25 /ER40	58	9	A428.058.150.65
Masterwood until 1/ 99 (motor HSD) - jusqu'à 1/ 99 (motor HSD)						
SK30	50	50	6-20/ER32	50	4	A428.350.150.65
Masterwood after 1/ 99 (motor Colombo) - après 1/ 99 (motor Colombo)						
SK30	63	63	6-25/ER40	50	5	A428.450.170.65
Heian						
BT35	60	70	6-25 /ER40	53	7	A428.153.170.64



Clamping nut with bearing, allowing RH and LH rotation.
 Holder supplied without collet.

Écrou de serrage à billes, ce qui permet une rotation à droite ou à gauche.
 Mandrin fourni sans pince.



Spare parts - Pièces de rechange

	D	Dim.	Ref.
Collet nut - Écrou de serrage	50	M40x1,5	709.752
	60	M48x2	709.754
THook wrench - Clés plates	50	45/50	706.504
	60	58/62	706.503



Mounting device see chap.11.
 Dispositif de montage voir chap.11.

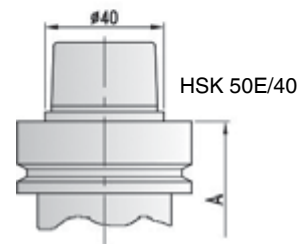
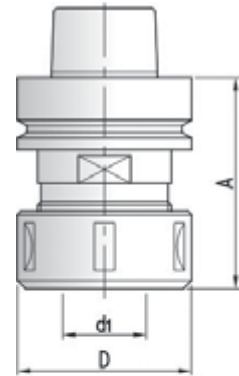
Precision collet chucks
Mandrins concentriques de précision

S	D	A	d1	Ref.
HSK63F	50	70	6-20 /ER32	A435.060.170.60
	63	76	6-25 /ER40	A435.063.176.60
	60	76	6-25 /462E	A435.060.176.60
Homag, IMA				
HSK63F	60	115	6-25 /462E	A435.060.115.60
CMS				
HSK63E	50	65	6-20 /ER32	A435.050.265.60
	63	75	6-25 /ER40	A435.063.275.60
Alberti				
HSK 50E/40	50	60	6-20 /ER32	A435.050.360.60
	63	65	6-25 /ER40	A435.063.365.60

Spare parts - Pièces de rechange

	Dim.	Ref.
Collet nut - Écrou de serrage	50 M40x1,5 /ER32	709.752
	63 M50x1,5 /ER40	709.753
	60 M48x2 /462E	709.754
THook wrench - Clés plates	50 45/50	706.504
	60 58/62	706.503
	63 68/75	706.501

A435



Clamping nut with bearing, allowing RH and LH rotation.
 Holder supplied without collet.

Écrou de serrage à billes, ce qui permet une rotation à droite ou à gauche.
 Mandrin fourni sans pince.



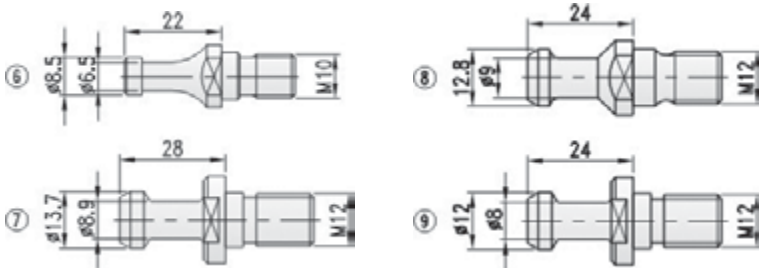
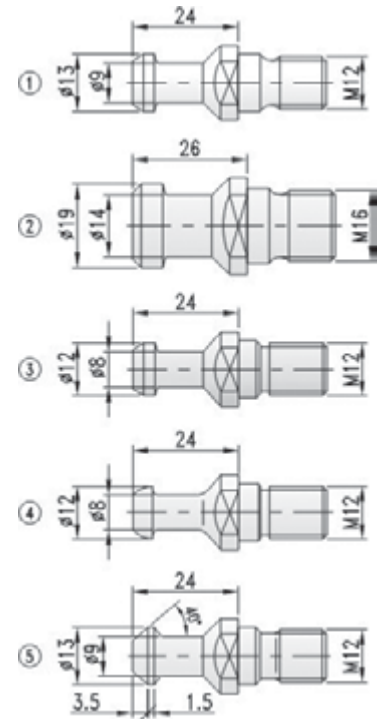
Mounting device see chap.11.
 Dispositif de montage voir chap.11.



Holding bolt
Ergot de maintien

Nr.		Ref.
1	SK30 IMA, Maka,Reichenbacher Weeke, etc.(DIN 69872)	A424.013.109.41
2	SK40 IMA, Maka,Reichenbacher Weeke, etc.(DIN 69872)	A424.019.114.99
3	SK30 Biesse : until 9/92 - jusqu'à 9/92	A424.012.108.41
4	SK30 Biesse : after 9/92 - après 9/92 Masterwood (motor HSD)	A424.012.308.41
5	SK30 Alberti Masterwood (motor Colombo)	A424.013.309.41
6	ISO30 SCM, Morbidelli	A424.008.106.40
7	BT35 Heian, Shoda	A424.013.208.41
8	ISO30 CMS	A424.912.109.41
9	SK30 Stemm, Esseteam (motor Elte)	A424.113.109.41

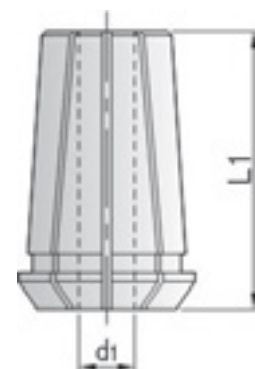
A424



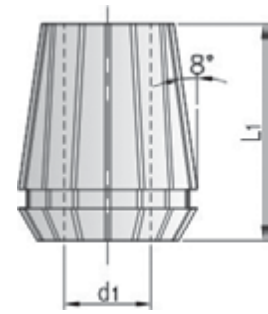
Collets DIN 6388 / 462E
Pinces DIN 6388 / 462E

d1	L1		Ref.
3	52	DIN 6388 / 462 E	A425.035.152.03
4	52		A425.035.152.04
5	52		A425.035.152.05
6	52		A425.035.152.06
8	52		A425.035.152.08
10	52		A425.035.152.10
12	52		A425.035.152.12
14	52		A425.035.152.14
16	52		A425.035.152.16
18	52		A425.035.152.18
20	52	A425.035.152.20	
25	52	A425.035.152.25	

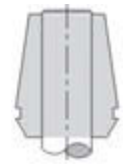
A425



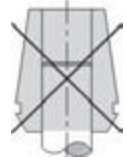
d1	D	L1	Ref.
426 E / ER16			
4	17	27,5	A429.000.127.04
6	17	27,5	A429.000.127.06
8	17	27,5	A429.000.127.08
10	17	27,5	A429.000.127.10
428 E / ER20			
6	21	31	A429.000.130.06
8	21	31	A429.000.130.08
10	21	31	A429.000.130.10
12	21	31	A429.000.130.12
430 E / ER25			
6	26	34	A429.000.135.06
8	26	34	A429.000.135.08
10	26	34	A429.000.135.10
12	26	34	A429.000.135.12
14	26	34	A429.000.135.14
16	26	34	A429.000.135.16
470 E / ER32			
3	33	40	A429.000.140.03
4	33	40	A429.000.140.04
5	33	40	A429.000.140.05
6	33	40	A429.000.140.06
7(6,35)	33	40	A429.000.140.07
8	33	40	A429.000.140.08
10	33	40	A429.000.140.10
12	33	40	A429.000.140.12
13(12,7)	33	40	A429.000.140.13
14	33	40	A429.000.140.14
16	33	40	A429.000.140.16
18	33	40	A429.000.140.18
20	33	40	A429.000.140.20
472 E / ER40			
3	41	46	A429.000.146.03
4	41	46	A429.000.146.04
5	41	46	A429.000.146.05
6	41	46	A429.000.146.06
7(6,35)	41	46	A429.000.146.07
8	41	46	A429.000.146.08
10	41	46	A429.000.146.10
12	41	46	A429.000.146.12
13(12,7)	41	46	A429.000.146.13
14	41	46	A429.000.146.14
16	41	46	A429.000.146.16
18	41	46	A429.000.146.18
20	41	46	A429.000.146.20
25	41	46	A429.000.146.25



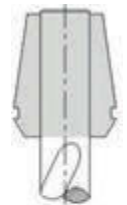
Important:
Use plain cylindrical shanks, along the complete inside clamping surface of the collet.



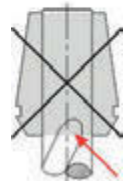
Remarque:
Utiliser les outils avec queue cylindrique qui puissent remplir toute la longueur de la pince.



Important :
When using spiral tools never place the helical part inside the clamping collet.



Remarque:
Avec des outils hélicoïdales, jamais placer l'hélice dans la zone de serrage de la pince.



Further dimension on inquiry - Autres dimensions sur demande

Arbor with shank Arbre porte-fraises

A423

d1	L2	A	TK	S	Holding bolt Ergot de maintien	Ref.
SCM, Morbidelli						
20	40	45	32	ISO30	6	A423.020.240.65 ◊
	70	45		ISO30	6	A423.020.270.65 ◊
30	40	45	48	ISO30	6	A423.030.240.65 ◊
	80	45		ISO30	6	A423.030.280.65 ◊

◊ Supplied without spacers - Fourni sans bagues

d1	L2	A	TK	S	D	Ref.
IMA, Maka, Reichenbacher, Weeke, Biesse, Alberti, Stegherr, etc.						
20	40	42	32	SK30	50	A423.020.140.65 ◊
	70	42	32	SK30	50	A423.020.170.65 ◊
20	40	42	32	SK40	63,55	A423.020.140.66 ◊
	70	42	32	SK40	63,55	A423.020.170.66 ◊
30	40	42	48	SK30	50	A423.030.140.65 ◊
	80	42	48	SK30	50	A423.030.180.65 ◊
30	40	42	48	SK40	63,55	A423.030.140.66 ◊
	80	42	48	SK40	63,55	A423.030.180.66 ◊

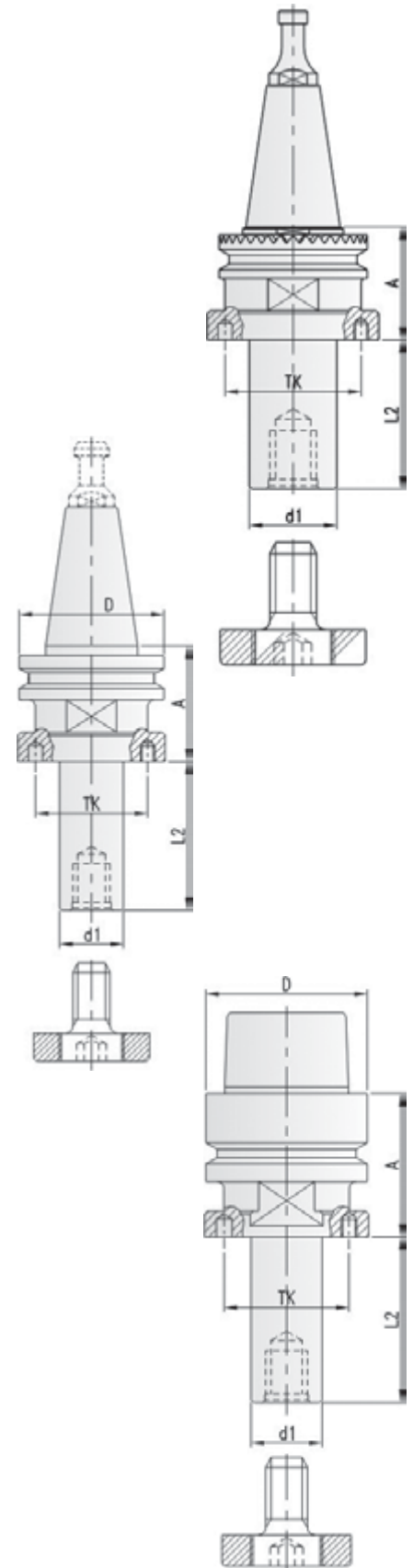
◊ Supplied without spacers and holding bolt.
Fourni sans bagues et ergot de maintien

d1	L2	A	TK	S	D	Holding bolt Ergot de maintien	Ref.
SCM							
20	40	42	32	ISO30	46	8	A423.120.140.65 ◊
	70	42	32	ISO30	46	8	A423.120.170.65 ◊
30	40	42	48	ISO30	46	8	A423.130.140.65 ◊
	80	42	48	ISO30	46	8	A423.130.180.65 ◊

◊ Supplied without spacers - Fourni sans bagues

d1	L2	A	TK	S	D	Ref.
20	70	45	32	HSK 63F	63	A423.020.270.60 ◊
30	80	45	48	HSK 63F	63	A423.030.280.60 ◊
20	40	80	32	HSK 63F	63	A423.020.140.60 ◊
	70	80		HSK 63F	63	A423.020.170.60 ◊
30	40	80	48	HSK 63F	63	A423.030.140.60 ◊
	80	80		HSK 63F	63	A423.030.180.60 ◊

◊ Supplied without spacers - Fourni sans bagues

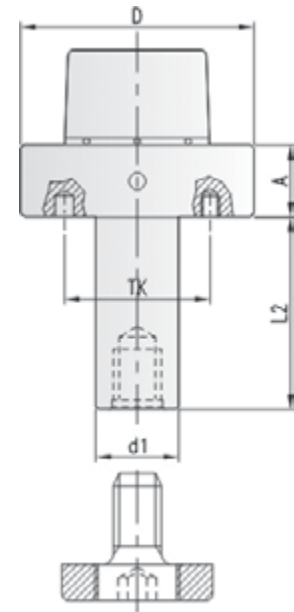


Arbor with shank
Arbre porte-fraises

A423

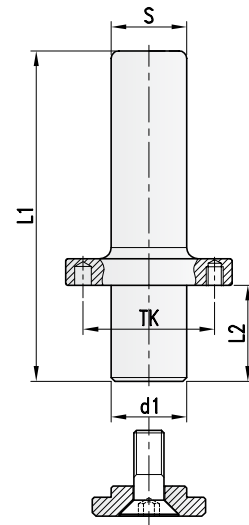
d1	L2	A	TK	S	D	Ref.
Weinig Powermat						
30	40	26	48	HSK 85WE	85	A423.030.040.61 ◦
	80	26	48	HSK 85WE	85	A423.030.080.61 ◦
	140	26	48	HSK 85WE	85	A423.030.140.61 ◦
	180	26	48	HSK 85WE	85	A423.030.180.61 ◦
40	80	26	58	HSK 85WE	85	A423.040.080.61 ◦
	140	26	58	HSK 85WE	85	A423.040.140.61 ◦
	180	26	58	HSK 85WE	85	A423.040.180.61 ◦

◦ Supplied without spacers - Fourni sans bagues



d1	L2	L1	TK	S	Ref.
20	40	105	32	20x55	A423.020.140.20 ◦
	40	110	32	25x60	A423.020.140.25 ◦
20	70	135	32	20x55	A423.020.170.20 ◦
	70	140	32	25x60	A423.020.170.25 ◦
30	40	105	48	20x55	A423.030.140.20 ◦
	40	110	48	25x60	A423.030.140.25 ◦

◦ Supplied without spacers - Fourni sans bagues



Arbor with shank Arbre porte-fraises

A423

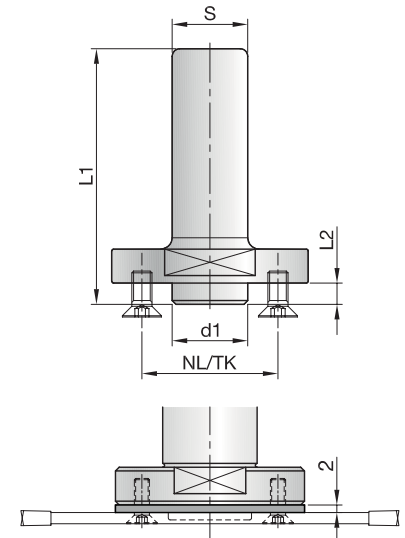
d1	D	L2	L1	NL/TK	S	Ref.
22	50	4	74	4/M4/36	25x60	A423.022.104.25
30	59	4	74	4/M6/48	25x60	A423.030.104.25

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M4x12	d1=22 705.250.12
	M6x10	d1=30 705.340.10
T Wrench - Clé en T	SW3	706.103
	SW4	706.104

Suitable for mounting tools with body thickness from 2 to 10mm (sawblade or grooving cutter). For tools with thickness up to 3,5mm, please use 2mm filling space between the tool and the arbor.

Pour montage d'outils de 2 à 10mm d'épaisseur (lame de scie ou fraise à rainer). Pour outils avec épaisseur du corps jusqu'à 3,5mm, utiliser une bague intercalaire de 2mm entre l'outil et l'arbre.



Flange for saw blades - Flasque pour lame de scie

	d1	D	L1	NL/TK	Ref.
new	30	110	22	6/M6/90	730.301.30

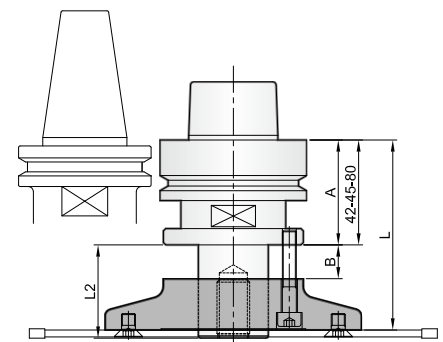
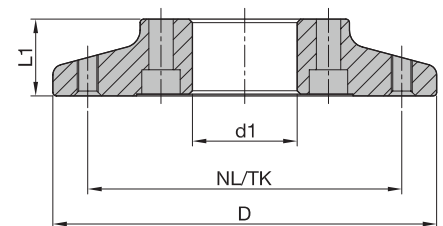
Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M6x10	705.340.10
T Wrench - Clé en T	SW4	706.104

Sawblade Mounting flange to be used on A423 arbors with d=30mm. The B measure is variable and filled up with spacers. The L value depends on the thickness of the spacer B and the arbor to be used.

Flange to be used with saw blades with maximum diameter of 350mm

Flasque pour montage de lame de scie sur ref. A423 avec arbre de d1=30mm. La mesure B est variable et se remplit avec bagues. La mesure L dépend de l'épaisseur de la bague (B) et de l'arbre à utiliser. Flasque pour lame de scie avec diamètre maximum de 350mm.



A	L2	B	L
42	40	15	79
	80	55	119
45	40	15	82
	80	55	122
80	40	15	117
	80	55	157

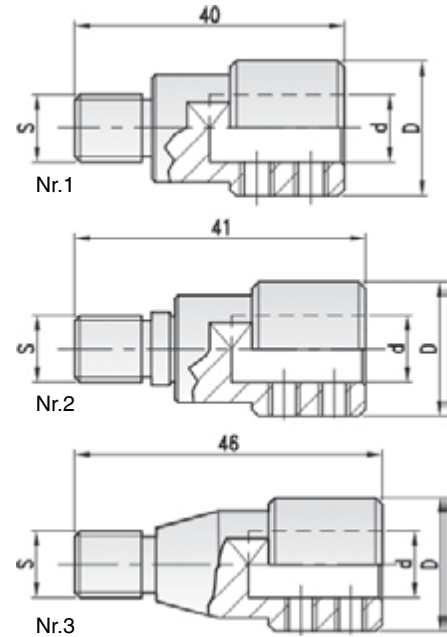
Adapters Mandrins de réduction

Nr.	D	d	S	Ref.LH	Ref.RH
Ayen, Holzma, Mayer, Knoevenagel, Torwegge, etc.					
1	20	42	M8	A432.020.310.50	A432.020.210.50
1	20	42	M10	A432.020.010.50	A432.020.110.50
Morbidelli, Weeke, Torwegge, Biesse, Masterwood, Vitap, etc.					
2	20	10	M8	A432.020.310.51	A432.020.210.51
2	20	10	M10	A432.020.010.51	A432.020.110.51
Bilek, Vitap, Alberti, Balestrini, Schleicher, Busellato, etc.					
3	20	10	M8	A432.020.310.52	A432.020.210.52
3	20	10	M10	A432.020.010.52	A432.020.110.52

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M5x5	705.102
T Wrench - Clé en T	SW2,5	706.152

A432



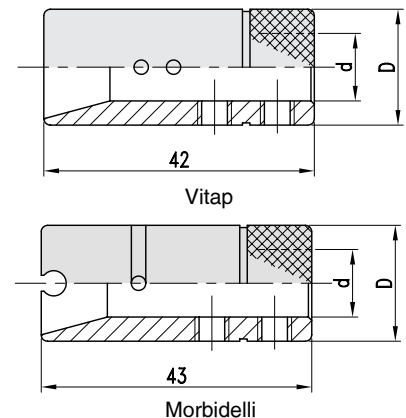
Quick-change adapters Mandrins à changement rapide

D	d	Ref.
18	10	Vitap A434.218.110.00
new 19,25	10	Morbidelli A434.220.110.00

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M5x4	705.102.04
T Wrench - Clé en T	SW2,5	706.152

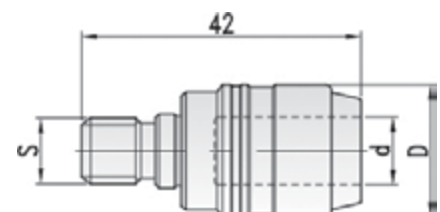
A434



D	d	S	Ref.LH	Ref.RH
20	10	M10	A434.320.042.51	A434.320.142.51

Suitable for drills with flat on the shank (ex. multiboring machines), reducing down time when changing tools. No need to unscrew or screw any bolts

Pour fraises à queue avec méplat (ex : mèches à tourillons, etc.), réduit le temps de remplacement des outils, n'ayant pas besoin de serrer et desserrer la vis de fixation.



Self clamping holder
Mandrins auto-serrant

10

Adapters Adaptateurs

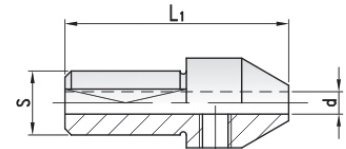
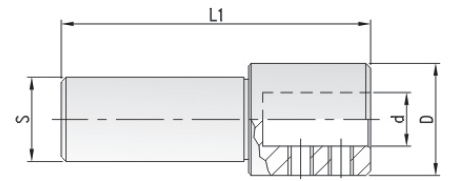
d	D	L1	S	Ref.
20	6	72	18	A420.020.106.18
20	8	72	18	A420.020.108.18
22	10	72	18	A420.022.110.18
22	12	72	18	A420.022.112.18

d	L1	S	Ref.
2	38	10	A420.315.102.10
2,5	38	10	A420.315.902.10
3	38	10	A420.315.103.10
3,5	38	10	A420.315.903.10
4	38	10	A420.315.104.10
4,5	38	10	A420.315.904.10
5	38	10	A420.315.105.10

Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M5x5	705.102
T Wrench - Clé en T	SW2,5	706.152

A420

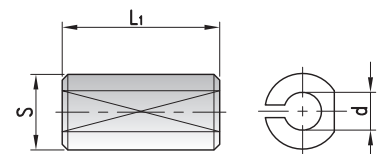
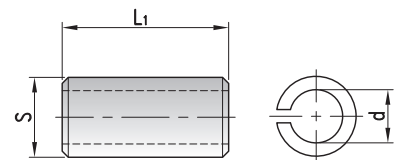


Bush for twist drills Adaptateur pour mèche hélicoïdale

d	L1	S	Ref.
6	25	8	A422.008.125.06
8	25	10	A422.010.125.08
6	25	12	A422.012.125.06
8	25		A422.012.125.08
10	25		A422.012.125.10

d	L1	S	Ref.
2	23	10	A422.510.102.10
2,5	23	10	A422.510.902.10
3	23	10	A422.510.103.10
3,5	23	10	A422.510.903.10
4	23	10	A422.510.104.10
4,5	23	10	A422.510.904.10
5	23	10	A422.510.105.10
6	23	10	A422.510.106.10
7	23	10	A422.510.107.10
8	23	10	A422.510.108.10

A422



11

Knives and tooling accessories Couteaux et accessoires



Reversible knives	
Plaquette de coupe réversible.....	11.3-11.7
One-way knife	
Plaquette de coupe profilée non réversible	11.7
Chanfering, rounding blades and grooves	
Chanfreineuses, arrondisseurs et rainureuses.....	11.8
Reversible knives for scraper	
Plaquette de rechange pour racler	11.9
Reversible knives BULLDOZER	
Plaquette de coupe réversible BULLDOZER.....	11.9
Reversible knives CENTROLOCK	
Plaquette de coupe réversible CENTROLOCK	11.10
Reversible knives TERSA	
Plaquette de coupe réversible TERSA	11.10
Planing knives	
Couteaux à raboter	11.11
Back serrated knives	
Couteaux a dos cranté.....	11.12
Tool for copying lathe	
Outil pour tour à copier	11.12
Cutter for wiredrawing straight slats	
Fraise pour tournillons droits.....	11.13
Tool for copying lathe	
Outil pour tour à copier	11.13
Spacers	
Bagues intercalaires de réglage	11.14-11.15
Reducing sleeve	
Manchons de réduction.....	11.16-11.19
Ball bearing and template ring	
Roulement à billes et bagues de guidage	11.19-11.21
Blade adjustment gauge	
Calibre réglage des couteaux	11.22
Fixating elements	
Elements de fixation.....	11.23
Clamping keys	
Clés de fixation.....	11.24
Clamping wedge, Mida and Pinheiro	
Contrefers, Mida et Pinheiro	11.25
Mounting device and control device	
Dispositifs de montage et appareil de mesure	11.25-11.26

Reversible knives Plaquette de coupe réversible

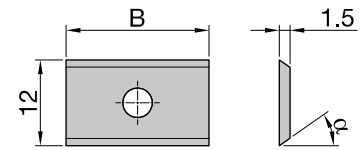
B	H	S	HF10 35°	HF21 45°	HF01 35°	FMG02 35°
7,5	12	1,5	750.097	752.501		
8,6	12	1,5	750.095			
9,0	12	1,5	750.096			
9,6	12	1,5	750.098	752.502		
10,5	12	1,5	750.200			
11,0	12	1,5	750.209			
11,6	12	1,5	750.099	752.503		
13,0	12	1,5	750.202			
14,6	12	1,5	750.201			
15,0	12	1,5	750.101	752.504		
15,7	12	1,5	750.203			
16,0	12	1,5	750.206			
17,0	12	1,5	750.115			
17,6	12	1,5	750.205			
19,6	12	1,5	750.208			
20,0	12	1,5	750.102	752.505	751.104	752.101
21,6	12	1,5	750.204			
24,7	12	1,5	750.103			

B	H	S	HF10 35°	HF21 45°	HF01 35°	FMG02 35°
24,7	12	1,5	750.117			
30,0	12	1,5	750.104	752.507	751.105	752.102
40,0	12	1,5	750.105	752.508	751.106	
50,0	12	1,5	750.106	752.509	751.107	752.103
60,0	12	1,5	750.107	752.510	751.108	
80,0	12	1,5	750.108	752.511		
100,0	12	1,5	750.109			
120,0	12	1,5	750.110			

B	H	S	HF01 35°	FMG02 35°
12,0	12	1,5	754.102	752.100
17,0	17	2	754.104	
19	19	2	754.105	

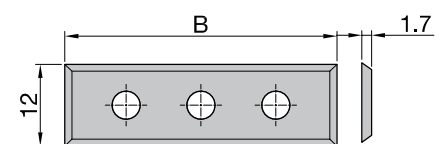
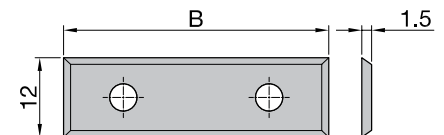
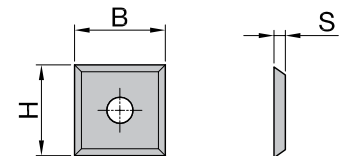
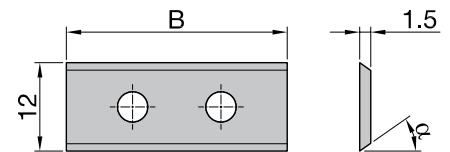
B	H	S	HF10 35°	FMG02 35°
29,5	9	1,5	new 753.204	
	12	1,5	753.207	new 753.217
49,5	9	1,5	new 753.304	
	12	1,5	753.307	new 753.317
50	12	1,7	753.350	

HW



Recommended cutting material
Matériel de coupe recommandée

For softwood Pour bois tendres	HF21
For wood Pour bois	HF10
Chipboard Aggloméré	HF01
MDF and HDF MDF et HDF	FMG02



753.350



Reversible knives Plaquette de coupe réversible

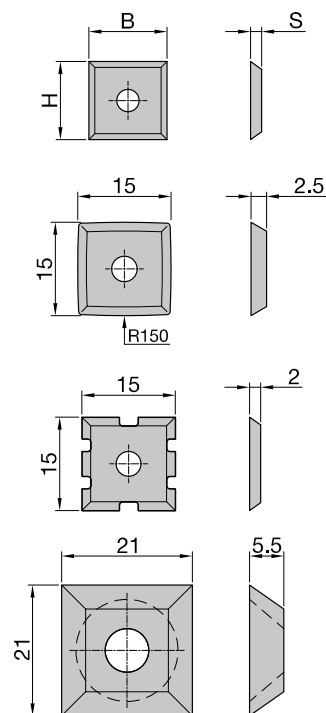
B	H	S	HF10 35°
14,0	14	1,2	750.113
	14	1,7	750.112
	14	2,0	750.111
14,3	14,3	2,5	750.116

B	H	S	Ref.
15	15	2,5	754.106 ■

B	H	S	Ref.
15	15	2	754.301 ■

B	H	S	Ref.
new 21	21	5,5	754.302

HW



Recommended cutting material
Matériel de coupe recommandée

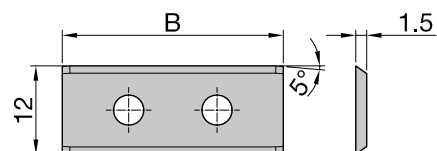
For softwood Pour bois tendres	HF21
For wood Pour bois	HF10
Chipboard Aggloméré	HF01
MDF and HDF MDF et HDF	FMG02

Reversible knives Plaquette de coupe réversible

B	H	S	Ref.
20	12	1,5	755.101
24,7	12	1,5	755.102
30	12	1,5	755.103
50	12	1,5	755.105

HW

755



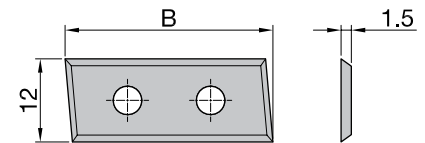
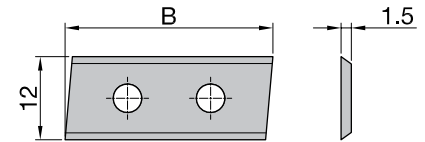
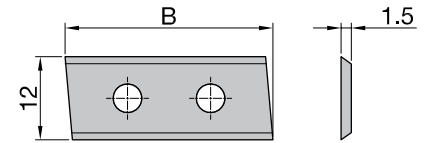
Reversible knives
Plaquette de coupe réversible

B	H	S	Ref.
20	12	1,5	757.101
30	12	1,5	757.102
50	12	1,5	757.103

B	H	S	Ref.
20	12	1,5	757.201
30	12	1,5	757.202
50	12	1,5	757.203

B	H	S	Ref.
29,5	9	1,5	757.500
	12	1,5	757.150
49,5	9	1,5	757.501
	12	1,5	757.151

HW **757**



Reversible knives
Plaquette de coupe réversible

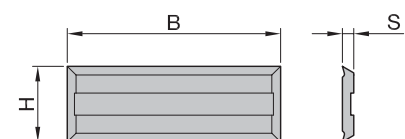
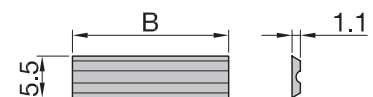
B	H	S	Ref. HW
12	5,5	1,1	758.101
20	5,5	1,1	758.102
30	5,5	1,1	758.103
40	5,5	1,1	758.104
50	5,5	1,1	758.105

B	H	S	Ref. HW
12	5,5	1,1	758.301
20	5,5	1,1	758.302
30	5,5	1,1	758.303
40	5,5	1,1	758.304
50	5,5	1,1	758.305

B	H	S	Ref. HC
20	5,5	1,1	758.501
20	10	1,5	758.502
30	10	1,5	758.503
50	10	1,5	758.504

HW **758**

HC



HC- Coated hardmetal (for A508)
 Carbure revêtu (pour A508)

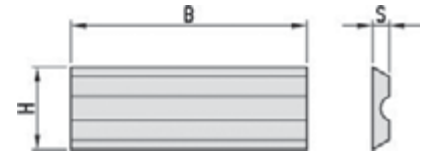


Reversible knives
Plaquette de coupe réversible

B	H	S		Ref.
56	5,5	1,1	Adler	759.101
60	5,5	1,1		759.102
71	5,5	1,1		759.103
75,5	5,5	1,1	AEG TH75	759.104
			Bosh 0590, P400, 1590, 1591	
			Festo REP 75	
			Haffner FH 222	
			Holz-Her 2223, 2286, 2320	
			Kress Jet Star 6701, EH 6702	
			Mafell HU 75	
			Metabo 6375	
			Scheer MH 80, MH 75/3	
			Skil 98 H	
75,7	5,5	1,1	B & Decker DN 750, BD 750	759.105
			SR 600K	
78	5,5	1,1	Virutex (E) HTH75A	759.110
80,5	5,9	1,2	Elu MFF80, MFF 40	759.106
			ADE 80	
82	5,5	1,1	AEG EH 82, EH 82S, EH 822	759.107
			EH700, EH 450	
			Fein HS 2151	
			Haffner FH 224	
			Hitachi F20, F20A, P20 SA, P 20V	
			FP 20A, FU 20 SA	
			Mafell EHU 82, MHU 82, MHU 82D	
			Makita 1100, 1125B, 1900B, 1923B	
			1923 H, 1001, 1901, 1923 HO	
			Metabo Gustav, 4382, HO 0882	
			Metabo Gustav, 4382, HO 0882	
			Bosh PH0 150, 100, 200, 300	
82,7	5,5	1,1	B & Decker DN 710, DN 712, DN 730	759.109
			P71-02, PL 806	

HW

759

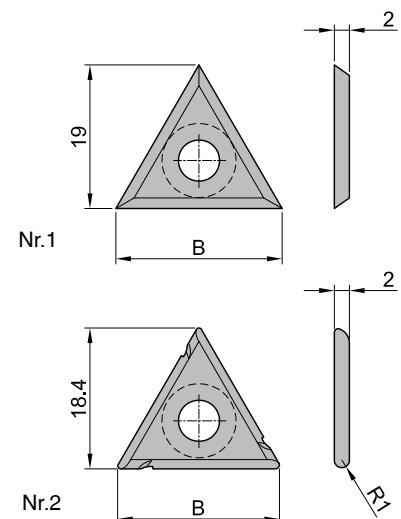


Reversible knives
Plaquette de coupe réversible

Nr.	B	H	S	R	Ref.
1	22	19	2		760.101
2		18,4	2	1	RH 760.201
		18,4	2	1	LH 760.202

HW

760

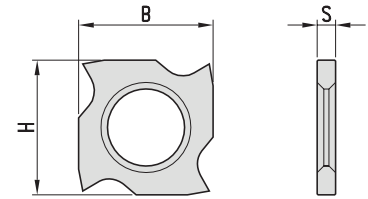


Reversible knives
Plaquette de coupe réversible

B	H	S	Ref.
18	18	1,95	766.101
	18	2,45	766.102
	18	2,95	766.103

HW

766

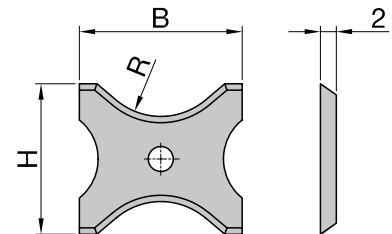


Reversible knives
Plaquette de coupe réversible

B	H	S	R	Ref.
13	16	2	2	761.101
	16	2	3	761.102
	16	2	4	761.103
20	21	2	5	761.104
	21	2	6	761.105
	21	2	7	761.106
	21	2	8	761.107
26	24	2	9	761.108
	24	2	10	761.109
	24	2	11	761.110
	24	2	12	761.111
	24	2	13	761.112
30	25	2	14	761.113
	25	2	15	761.114
	25	2	16	761.115

HW

761

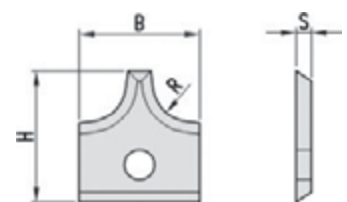


One-way knife
Plaquette de coupe profilée non réversible

B	H	S	R	Ref.
16	17,5	2	2	765.101
	17,5	2	3	765.102
	17,5	2	4	765.103
	17,5	2	5	765.104
	17,5	2	6	765.105

HW

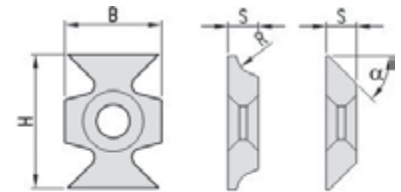
765



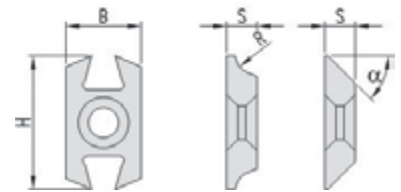
Chanfering and rounding blades
Chanfreineuses et arrondisseurs

B	H	S	R	α	Ref.
16	22	5		45°	780.103
	22	5	1,5		780.205
	22	5	2		780.207
	22	5	2,5		780.208
	22	5	3		780.206
new	22	5	4		780.209
new	22	5	5		780.210

HW **780**



MEC



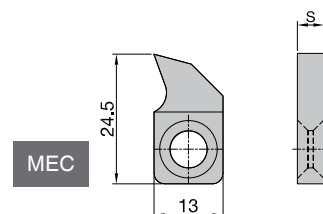
MAN

B	H	S	R	α	Ref.
16	29	5		45°	780.260
	29	5	2		780.250
	29	5	3		780.251

Grooves
Rainureuses

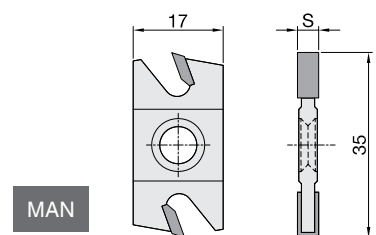
B	H	S	Ref.	
new	13	24,5	3	783.100
		24,5	4	783.101
		24,5	5	783.102
		24,5	6	783.103
new		24,5	7	783.104

HW **783**



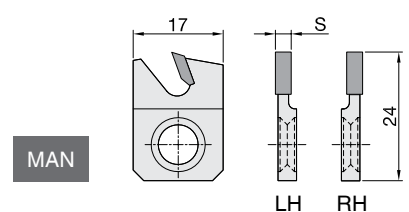
MEC

B	H	S	Ref.
17	35	4	783.120
	35	5	783.121
	35	6	783.122



MAN

B	H	S	Ref.	
new	17	24	LH	783.125
new	17	24	RH	783.126



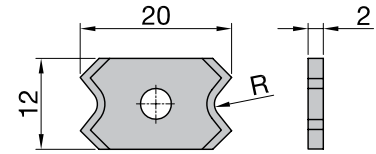
MAN

Reversible knives for scraper
Plaquette de rechange pour racler

	B	H	S	R	Ref.
new	12	20	2	1	798.101
new		20	2	2	798.102
new		20	2	3	798.103
new		20	2	4	798.104
new		20	2	5	798.105

HW

798



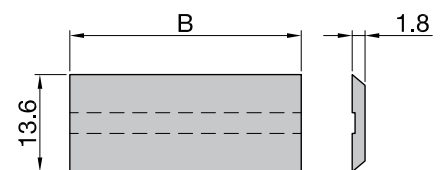
Reversible knives
Plaquette de coupe réversible

BULLDOZER

	B	H	S	Ref.
new	60	13,6	1,8	794.060.13
new	70	13,6	1,8	794.070.13
new	80	13,6	1,8	794.080.13
new	100	13,6	1,8	794.100.13
new	110	13,6	1,8	794.110.13
new	120	13,6	1,8	794.120.13
new	130	13,6	1,8	794.130.13
new	140	13,6	1,8	794.140.13
new	150	13,6	1,8	794.150.13
new	160	13,6	1,8	794.160.13
new	180	13,6	1,8	794.180.13
new	190	13,6	1,8	794.190.13
new	200	13,6	1,8	794.200.13
new	220	13,6	1,8	794.220.13
new	230	13,6	1,8	794.230.13
new	250	13,6	1,8	794.250.13
new	260	13,6	1,8	794.260.13

HW

794



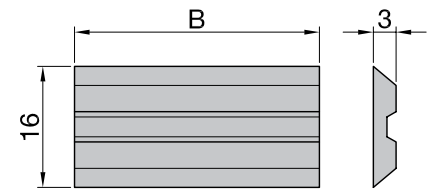
Reversible knives
Plaque de coupe réversible

CENTROLOCK

	B	H	S	Ref.HS	Ref.HW
new	20	16	3	793.020.16	792.020.16
new	60	16	3	793.060.16	792.060.16
new	80	16	3	793.080.16	792.080.16
new	100	16	3	793.100.16	792.100.16
new	130	16	3	793.130.16	792.130.16
new	150	16	3	793.150.16	792.150.16
new	170	16	3	793.170.16	792.170.16
new	180	16	3	793.180.16	792.180.16
new	210	16	3	793.210.16	792.210.16
new	230	16	3	793.230.16	792.230.16
new	240	16	3	793.240.16	792.240.16
new	260	16	3	793.260.16	792.260.16
new	270	16	3	793.270.16	792.270.16
new	310	16	3	793.310.16	792.310.16
new	460	16	3	793.460.16	792.460.16

HS
 HW

792/3



Recommended cutting material
 Matériel de coupe recommandée

Softwood Pour bois tendres	HS
Hardwood Bois dur	HW

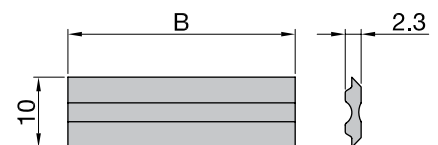
Reversible knives
Plaque de coupe réversible

TERSA

	B	H	S	Ref.HS	Ref.HW
new	60	10	2,3	797.060.10	796.060.10
new	80	10	2,3	797.080.10	796.080.10
new	100	10	2,3	797.100.10	796.100.10
new	120	10	2,3	797.120.10	796.120.10
new	130	10	2,3	797.130.10	796.130.10
new	150	10	2,3	797.150.10	796.150.10
new	180	10	2,3	797.180.10	796.180.10
new	210	10	2,3	797.210.10	796.210.10
new	230	10	2,3	797.230.10	796.230.10
new	250	10	2,3	797.250.10	796.250.10
new	300	10	2,3	797.300.10	796.300.10
new	310	10	2,3	797.310.10	796.310.10
new	330	10	2,3	797.330.10	796.330.10
new	350	10	2,3	797.350.10	796.350.10
new	400	10	2,3	797.400.10	796.400.10
new	410	10	2,3	797.410.10	796.410.10
new	430	10	2,3	797.430.10	796.430.10
new	450	10	2,3	797.450.10	796.450.10
new	500	10	2,3	797.500.10	796.500.10
new	510	10	2,3	797.510.10	796.510.10
new	530	10	2,3	797.530.10	796.530.10
new	610	10	2,3	797.610.10	796.610.10
new	630	10	2,3	797.630.10	796.630.10
new	640	10	2,3	797.640.10	796.640.10
new	650	10	2,3	797.650.10	796.650.10

HS
 HW

796/7



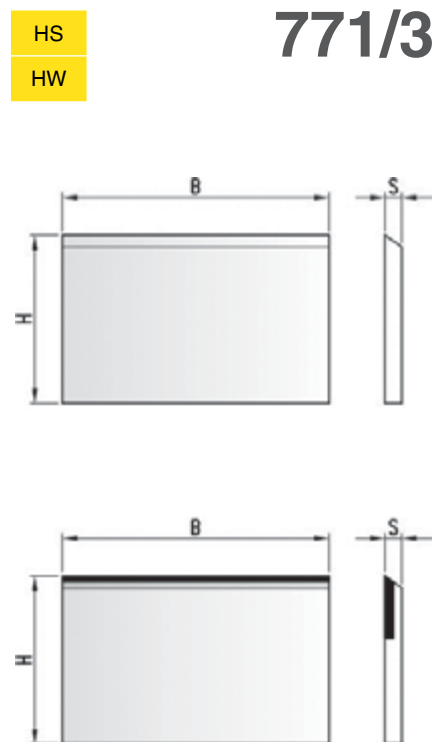
Recommended cutting material
 Matériel de coupe recommandée

Softwood Pour bois tendres	HS
Hardwood Bois dur	HW

Planing knives
Couteaux à raboter

B	H	S	Ref.HS-18%	Ref.HW
120	25	3	771.120.25	773.120.25
130	25	3	771.130.25	773.130.25
150	25	3	771.150.25	773.150.25
180	25	3	771.180.25	773.180.25
200	25	3	771.200.25	773.200.25
250	25	3	771.250.25	773.250.25
260	25	3	771.260.25	773.260.25
310	25	3	771.310.25	773.310.25
350	25	3	771.350.25	773.350.25
80	30	3	771.080.30	773.080.30
100	30	3	771.100.30	773.100.30
120	30	3	771.120.30	773.120.30
130	30	3	771.130.30	773.130.30
150	30	3	771.150.30	773.150.30
170	30	3	771.170.30	773.170.30
180	30	3	771.180.30	773.180.30
200	30	3	771.200.30	773.200.30
220	30	3	771.220.30	773.220.30
230	30	3	771.230.30	773.230.30
240	30	3	771.240.30	773.240.30
250	30	3	771.250.30	773.250.30
260	30	3	771.260.30	773.260.30
300	30	3	771.300.30	773.300.30
350	30	3	771.350.30	773.350.30
400	30	3	771.400.30	773.400.30
410	30	3	771.410.30	773.410.30
450	30	3	771.450.30	773.450.30
500	30	3	771.500.30	773.500.30
510	30	3	771.510.30	773.510.30
530	30	3	771.530.30	773.530.30
600	30	3	771.600.30	773.600.30
610	30	3	771.610.30	773.610.30
630	30	3	771.630.30	773.630.30
640	30	3	771.640.30	773.640.30
350	35	3	771.350.35	773.350.35
400	35	3	771.400.35	773.400.35
410	35	3	771.410.35	773.410.35
460	35	3	771.460.35	773.460.35
500	35	3	771.500.35	773.500.35
510	35	3	771.510.35	773.510.35
520	35	3	771.520.35	773.520.35
530	35	3	771.530.35	773.530.35
600	35	3	771.600.35	773.600.35
610	35	3	771.610.35	773.610.35
630	35	3	771.630.35	773.630.35

B	H	S	Ref.HW	Ref.HS-18%
78	25	3,2	Virutex	773.078.25 771.078.25
82	29	3	Makita	773.082.29 771.082.29

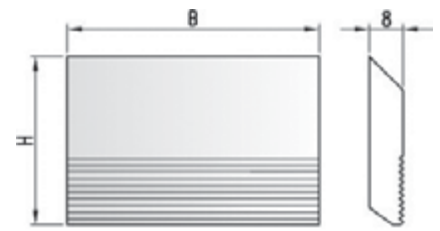


Back serrated knives
Couteaux a dos cranté

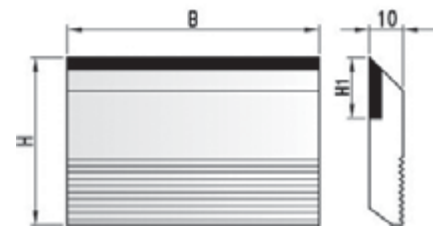
B	H	H1	Ref.HS	Ref.HW
40	50	20	774.040.50	787.040.50
60	50	20	774.060.50	787.060.50
80	50	20	774.080.50	787.080.50
100	50	20	774.100.50	787.100.50
130	50	20	774.130.50	787.130.50
150	50	20	774.150.50	787.150.50
180	50	20	774.180.50	787.180.50
230	50	20	774.230.50	787.230.50
635	50	20		787.635.50
650	50	20	774.650.50	
40	60	25	774.040.60	787.040.60
60	60	25	774.060.60	787.060.60
80	60	25	774.080.60	787.080.60
100	60	25	774.100.60	787.100.60
130	60	25	774.130.60	787.130.60
150	60	25	774.150.60	787.150.60
180	60	25	774.180.60	787.180.60
230	60	25	774.230.60	787.230.60
635	60	25		787.635.60
650	60	25	774.650.60	
40	70	30	774.040.70	787.040.70
60	70	30	774.060.70	787.060.70
80	70	30	774.080.70	787.080.70
100	70	30	774.100.70	787.100.70
130	70	30	774.130.70	787.130.70
150	70	30	774.150.70	787.150.70
180	70	30	774.180.70	787.180.70
230	70	30	774.230.70	787.230.70
635	70	30		787.635.70
650	70	30	774.650.70	

HS
HW

774/787



HS knife-Couteaux HS



Tipped knife -HW rapporté

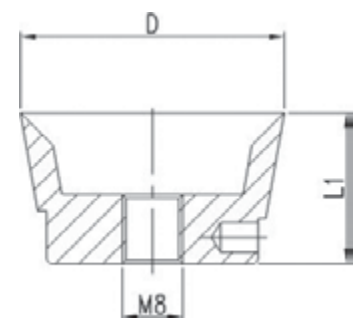
Recommended cutting material
Matériel de coupe recommandée

Softwood Pour bois tendres	HS
Hardwood Bois dur	HW

Tool for copying lathe
Outil pour tour à copier

D	L1	Ref.
22	15	A600.022.015.40
30	19	A600.030.019.40
35	20	A600.035.020.40
45	26	A600.045.026.40
50	26	A600.050.026.40

MEC **HS** **A600**



Cutter for wiredrawing straight slats
Fraise pour tournillons droits

D	d	Ref.
25	6,2	A610.025.906.50
	8,2	A610.025.908.50
	10,2	A610.025.910.50
	12,2	A610.025.912.50

MEC HS

A610



Tool for copying lathe
Outil pour tour à copier

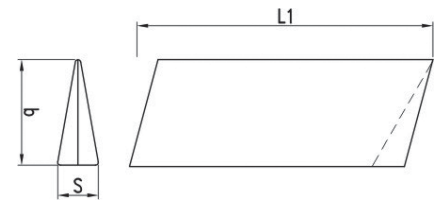
D	d	L1	Ref.HS	Ref.HW	Ref.ST
25	9,5	100	A650.600.025.00	A650.600.225.00	A650.600.125.00
	15	110	A650.800.040.00	A650.800.240.00	A650.800.140.00

HS

HW

ST

A650

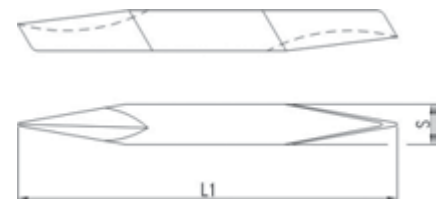


Tool for copying lathe
Outil pour tour à copier

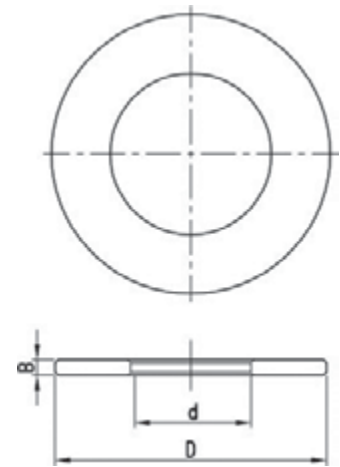
S	L1	Ref.
16	150	A651.600.016.00
20	200	A651.800.020.00

HS

A651



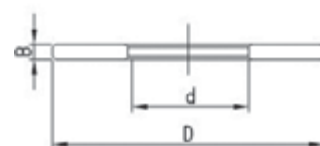
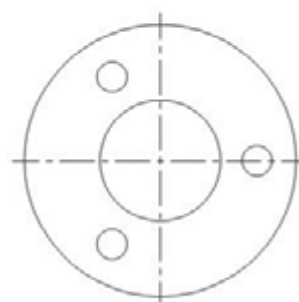
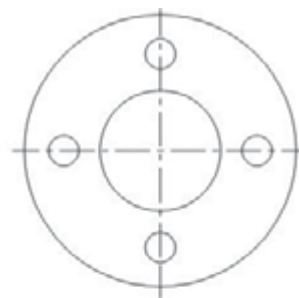
d	B	D	Ref.	
30	0,1	50	703.301	
	0,2	50	703.302	
	0,5	50	703.303	
	1	50	703.304	
	2	50	703.305	
	5	50	703.308	
	7	50	703.310	
	10	50	703.313	
	31,75	0,1	50	703.325
		0,2	50	703.326
0,5		50	703.327	
1		50	703.328	
2		50	703.329	
5		50	703.332	
7		50	703.334	
10		50	703.337	
35		0,1	55	703.351
		0,2	55	703.352
	0,5	55	703.353	
	1	55	703.354	
	2	55	703.355	
	5	55	703.358	
	7	55	703.360	
	10	55	703.363	
	40	0,1	60	703.400
		0,2	60	703.401
0,5		60	703.402	
1		60	703.403	
2		60	703.404	
5		60	703.407	
7		60	703.409	
10		60	703.412	
45		0,1	65	703.500
		0,2	65	703.501
	0,5	65	703.502	
	1	65	703.503	
	2	65	703.504	
	5	65	703.507	
	7	65	703.509	
	10	65	703.512	
	50	0,1	70	703.600
		0,2	70	703.601
0,5		70	703.602	
1		70	703.603	
2		70	703.604	
5		70	703.607	
7		70	703.609	
10		70	703.612	
60		0,1	80	703.851
		0,2	80	703.852
	0,5	80	703.853	
	1	80	703.860	
	2	80	703.861	
	5	80	703.863	
	7	80	703.864	
	10	80	703.865	



Spacers with pinholes
Bagues intercalaires de réglage avec trous

703

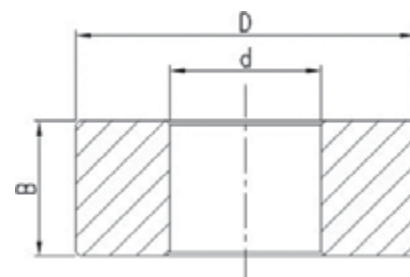
d	B	D	NL/TK	Ref.
20	0,1	45	4/6/32	703.730
	0,2	45		703.731
	0,5	45		703.732
	1	45		703.733
	2	45		703.734
	5	45		703.735
	7	45		703.736
	10	45		703.737
30/35	0,1	65	4/7/48	703.630
	0,2	65		703.631
	0,5	65		703.632
	1	65		703.633
	2	65		703.634
	5	65		703.635
	7	65		703.636
	10	65		703.637
	15	65		703.638
	20	65		703.639
40/50	0,1	80	4/7/65	703.640
	0,2	80		703.641
	0,5	80		703.642
	1	80		703.643
	2	80		703.644
	5	80		703.645
	7	80		703.646
	10	80		703.647
	15	80		703.648
	20	80		703.649
40	0,1	85	4/7/58	703.670
	0,2	85		703.671
	0,5	85		703.672
	1	85		703.673
	2	85		703.674
	5	85		703.675
60	0,1	90	3/7/75	703.880
	0,2	90		703.881
	0,5	90		703.883
	1	90		703.884
	3	90		703.885
	5	90		703.888
	10	90		703.889
	15	90		703.890
	20	90		703.891



Reducing sleeve without collar
Manchons de réduction sans épaulement

714

d	B	D	Ref.
35	2	30	714.101
	5	30	714.102
	10	30	714.103
	15	30	714.104
	20	30	714.105
	30	30	714.106
	40	30	714.107
	50	30	714.108
40	2	30	714.251
	5	30	714.252
	10	30	714.253
	15	30	714.254
	20	30	714.255
	30	30	714.256
	40	30	714.257
	50	30	714.258
40	2	31,75	714.151
	5	31,75	714.152
	10	31,75	714.153
	15	31,75	714.154
	20	31,75	714.155
	30	31,75	714.156
	40	31,75	714.157
	50	31,75	714.158
40	2	35	714.201
	5	35	714.202
	10	35	714.203
	15	35	714.204
	20	35	714.205
	30	35	714.206
	40	35	714.207
	50	35	714.208
45	2	30	714.301
	5	30	714.302
	10	30	714.303
	15	30	714.304
	20	30	714.305
	30	30	714.306
	40	30	714.307
	50	30	714.308

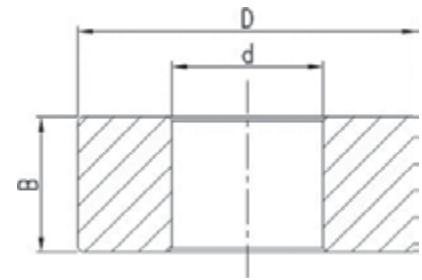


Continued next page - [Suite page suivante](#)

Reducing sleeve without collar
Manchons de réduction sans épaulement

714

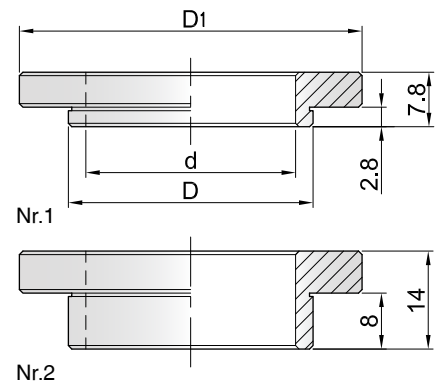
d	B	D	Ref.
50	2	30	714.451
	5	30	714.452
	10	30	714.453
	15	30	714.454
	20	30	714.455
	30	30	714.456
	40	30	714.457
	50	30	714.458
50	2	35	714.401
	5	35	714.402
	10	35	714.403
	15	35	714.404
	20	35	714.405
	30	35	714.406
	40	35	714.407
	50	35	714.408
50	2	40	714.351
	5	40	714.352
	10	40	714.353
	15	40	714.354
	20	40	714.355
	30	40	714.356
	40	40	714.357
	50	40	714.358
50	2	45	714.501
	5	45	714.502
	10	45	714.503
	15	45	714.504
	20	45	714.505
	30	45	714.506



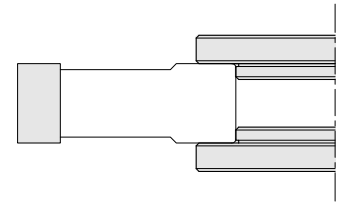
Reducing sleeve with collar
Manchons de réduction avec épaulement

d	D	D1	Ref. Nr.1	Ref. Nr.2
30	35	49	713.101	713.115
	40	54	713.102	713.116
	45	59	713.103	713.117
	50	64	713.104	713.118
31,75	35	49	713.105	713.119
	40	54	713.106	713.120
	45	59	713.107	713.121
35	40	54	713.108	713.122
	45	59	713.109	713.123
	50	64	713.110	713.124
40	45	50	713.111	713.125
	50	64	713.112	713.126
45	50	64	713.113	713.127
	50	64	713.114	713.128

713



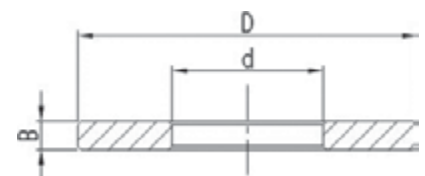
Set of 2 reducing sleeves.
 Jeux de 2 manchons de réduction.



Reducing rings for saw blades
Bagues de réduction pour lames de scies circulaires

d	B	D	Ref.
16	2	30	712.113
20	2	25	712.114
	2	30	712.112
	2	32	712.110
	2	35	712.106
25	2	30	712.111
	2	32	712.109
	2	35	712.105
25,4	2	32	712.108
30	2	32	712.107
	2	35	712.104
32	2	35	712.103
	2	40	712.102
35	2	40	712.101

712



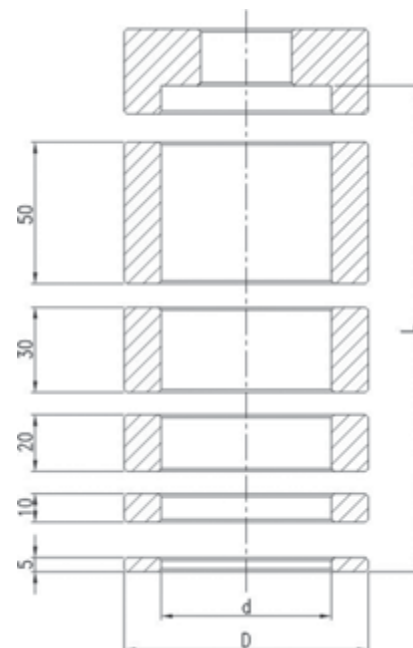
Set of bush for the spindle end
Jeux de bagues pour montage en bout d'arbre

d	D	L	Ref.
30	43	200	715.300
35	48	200	715.350
40	54	200	715.400
45	62	245	715.450
50	65	245	715.500

Spacer set - Composition du jeu de bagues

L	
2x5; 2x10; 3x20; 2x30; 1x50	200
3x5; 2x10; 1x20; 3x30; 2x50	245

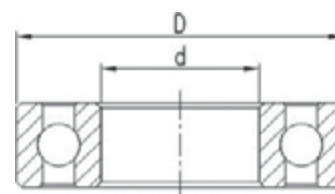
715



Ball bearing
Roulement à billes

d	D	Ref.
9,5	3,1	701.051
9,5	4,7	701.052
12,7	4,7	701.053
19	6	701.054
22	8	701.055
55	30	701.101
62	35	701.102
68	40	701.103
75	45	701.104
80	50	701.105
69,85	31,75	701.106

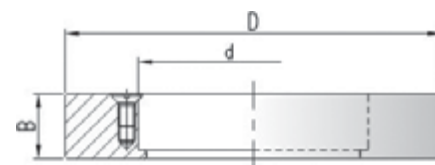
701



Template ring for ball bearing
Bagues de guidage pour roulement à billes

702

d	B	D	Ref.
55	15,5	70	702.101
	15,5	75	702.106
	15,5	80	702.105
	15,5	85	702.107
	15,5	86	702.104
	15,5	90	702.108
	15,5	94	702.102
	15,5	95	702.109
	15,5	100	702.110
	15,5	105	702.111
	15,5	110	702.112
	15,5	115	702.113
	15,5	120	702.103
	15,5	125	702.115
	15,5	130	702.116
	15,5	135	702.117
	15,5	140	702.118
62	16,5	75	702.145
	16,5	78	702.146
	16,5	80	702.147
	16,5	85	702.148
	16,5	90	702.149
	16,5	95	702.150
	16,5	100	702.151
	16,5	105	702.152
	16,5	110	702.153
	16,5	115	702.154
	16,5	120	702.155
	16,5	125	702.156
	16,5	130	702.157
	16,5	135	702.158
	16,5	140	702.159
68	17,5	75	702.170
	17,5	80	702.171
	17,5	85	702.172
	17,5	90	702.173
	17,5	95	702.174
	17,5	100	702.175
	17,5	105	702.176
	17,5	110	702.177
	17,5	115	702.178
	17,5	120	702.179
	17,5	125	702.180
	17,5	130	702.181
	17,5	135	702.182
	17,5	140	702.183



Template ring with ball bearing
(Ref.702+701)

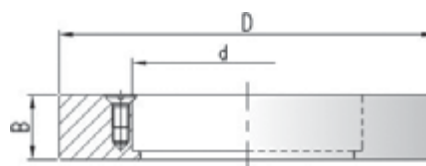
Bague de guidage avec roulement à billes
(Ref.702+701)

Continued next page - Suite page suivante

Template ring for ball bearing
Bagues de guidage pour roulement à billes

702

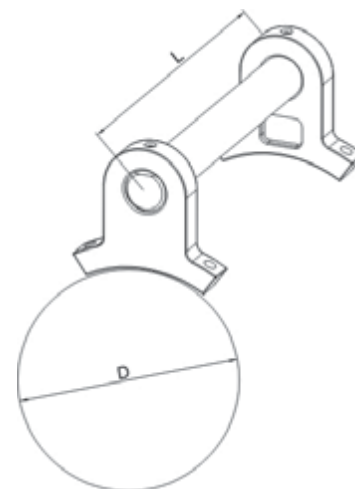
d	B	D	Ref.
69,85	20,0	80	702.125
	20,0	85	702.126
	20,0	90	702.127
	20,0	95	702.128
	20,0	100	702.129
	20,0	105	702.130
	20,0	110	702.131
	20,0	115	702.132
	20,0	120	702.133
	20,0	125	702.134
	20,0	130	702.135
	20,0	135	702.136
	20,0	140	702.137
75	18,5	90	702.190
	18,5	95	702.191
	18,5	100	702.192
	18,5	105	702.193
	18,5	110	702.194
	18,5	115	702.195
	18,5	120	702.196
	18,5	125	702.197
	18,5	130	702.198
	18,5	135	702.199
	18,5	140	702.200
80	18,5	90	702.210
	18,5	95	702.211
	18,5	100	702.212
	18,5	104	702.221
	18,5	105	702.213
	18,5	110	702.214
	18,5	115	702.215
	18,5	120	702.216
	18,5	125	702.217
	18,5	130	702.218
	18,5	135	702.219
	18,5	140	702.220
	18,5	114	702.222
	18,5	109,5	702.224



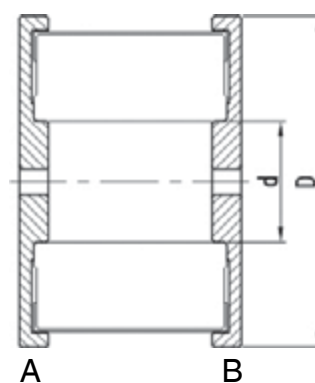
Blade adjustment gauge
Calibre réglage des couteaux

717

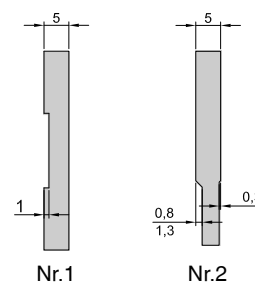
D	L	Ref.
125	120	717.101
	150	717.102
	180	717.103
	220	717.104
	240	717.105
140	120	717.151
	150	717.152
	180	717.153
	220	717.154
	240	717.155



D	d	Ref.
125	30	A+B 717.201
	40	A+B 717.202
	50	A+B 717.203
140	30	A+B 717.204
	40	A+B 717.205
	50	A+B 717.206
150	30	A+B 717.207
	40	A+B 717.208
	50	A+B 717.209



Nr.	B	H	S	Ref.	
1	18	40	5	1,0	717.302
2	13	39	5	0,8/0,3	717.309
		39	5	1,3/0,3	717.310



			Ref.
fig.1	M5x12	SW2,5	705.523
	M5x16	SW2,5	705.582
	M6x10	SW3	705.532
	M6x12	SW3	705.533
	M6x16	SW3	705.535
	M8x12	SW4	705.541
	M8x16	SW4	705.542
	M8x20	SW4	705.544
	M8x25	SW4	705.543
	M10x16	SW5	705.551
	M10x20	SW5	705.552
M10x25	SW5	705.553	
M12x20	SW6	705.556	
fig.2	M2,5x2,5	SW0,9	705.100
	M4x4	SW2	705.101
	M5x5	SW2,5	705.102
	M5x8	SW2,5	705.511
	M5x10	SW2,5	705.103
	M6x6	SW3	705.583
fig.3	M5x13,5		705.318
fig.4/A	M4x3,2	T9	705.313
	M4x4,2	T9	705.314
	M5x6	T15	705.425
fig.4/B	M3,5x7,5	T15	705.350
	M3,5x4	T15	705.352
	M4x4	T15	705.353
	M4x6	T15	705.351
	M4x9	T15	705.354
fig.5	M4x1,6	ø9,9	709.128
	M4x1,7	ø11,9	709.129
	M4x2,3	ø11,9	709.127
fig.6	1/8"	3/32"	705.501
	3/32"	5/64"	705.502
fig.7/A	M5x7/Ø10		705.217
	M5x7/Ø16		705.214
fig.7/B	M6x8/Ø16		705.218
fig.8	M10x17	Mida	705.433
	1/4"x15	Pinheiro / Frama	705.435



fig.1 Hex socket setscrew.
Vis sans tête a six pans.



fig.2 Slotted countersink screw
Vis a tête fraisée fendue.

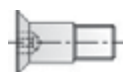


fig.3 Countersink with collar
Vis a tête a six pans.

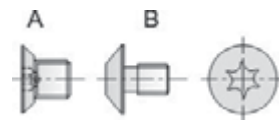


fig.4 Screw TORX.
Vis TORX.



fig.5 Special nut for grover.
Écrou spécial pour porte-outils à rainer.

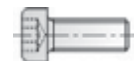


fig.6 Hex socket cap screw.
Vis a tête cylindrique a six pans.

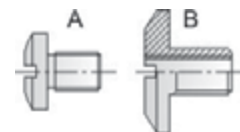


fig.7 Special cylinder head screw.
Vis spéciale tête cylindrique.



fig.8 Special round head screw.
Vis special a tête ronde.

		Ref.	
fig.1	3/32"	706.161	
	5/64"	706.162	
	1,3	706.149	
	1,5	706.150	
	2	706.151	
	2,5	706.152	
fig.2	3	706.153	
	4	706.154	
	5	706.155	
	6	706.156	
	10	706.107	
	fig.2	2,5	706.102
fig.3/A	T9	706.301	
	T15	706.302	
	T20	706.305	
fig.3/B	T9	706.303	
	T15	706.304	
	T20	706.305	
fig.4	40/42	M30x1,5	706.500
	45/50	M40x1,5	706.504
	58/62	M48x2	706.503
	68/75	M50x1,5	706.501
	80/90	M60x2	706.502
fig.5	14/15	706.401	
fig.6	M50x1,5	706.601	
	M60x2	706.602	

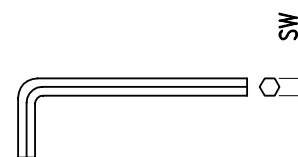


fig.1 Hex wrench.
Clé six pans.

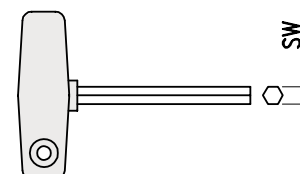


fig.2 Hex wrench.
Clé six pans.

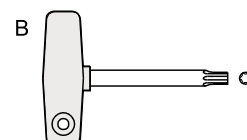
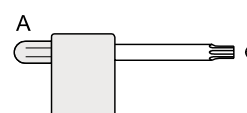


fig.3 Torx wrench.
Clé Torx.

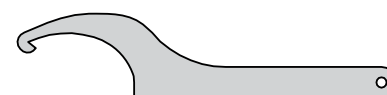


fig.4 THook wrench.
Clés plates.



fig.5 Open-ended spanner.
Clés à ergot.

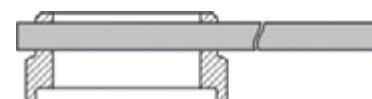
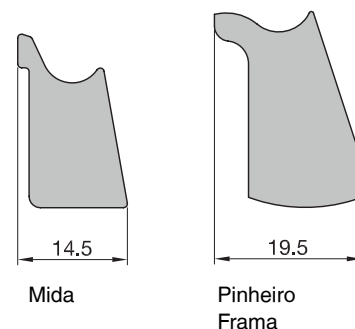


fig.6 Special wrench.
Clé special.

Clamping wedge Contrefers

	Ref.
new 14,5x23	Mida 707.450
new 19,5x26	Pinheiro / Frama 707.451

707



Mounting device Dispositifs de montage

	D	BxH	Ref.
ISO 30	49	100x160	A431.300.049.00
SK30	50	100x160	A431.300.050.00
BT35	53	100x160	A431.300.053.00
SK40 / HSK63F	63	100x160	A431.300.063.00
HSK85 WE	85	150x230	A431.300.085.00

Mounting device with bidirectional roller bearings system offering the highest protection to the tool shank.

The mounting device must be fixed to a bench or a tool cart.

Dispositif de montage avec roulements spéciaux pour porte-pinces et arbres porte-fraises, ce qui garantit la protection maximum du mandrin.

Le dispositif de montage doit être fixé sur un plan de travail.

A431



Ref.

719.101

719



Ref.

723.101

723



12

Technical information
Informations techniques



■ CONSTRUCTION SPECIFICATIONS

EN 847-1 : Tools for woodworking.
Safety requirements.
Part 1: Milling tools and circular saw blades.
This standard is applicable to all hazards arising from the design and use of tools for woodworking machines, and describes the methods for the elimination or reduction of these hazards by tool design and by the provision of information.

• MAN - Manual Feed

Cutters meant for working on single machines with manual feed. These tools are designed to achieve the specific purpose of protecting the operator on the manual feed:

- Major reduction of the injuries, in case of contact with the tool in motion.
- Reduction of the danger of wood kickback when machining.

These cutters are designed with:

- Not round form tool, with deflector, where the maximum difference between the cutting edge is 1,1mm (fig.1)
- Round form tool, with maximum way out for the cutting edge of 3mm (fig.2).

All cutters are marked with maximum and minimum working rotation.
This kind of tools is identified with the marking "MAN".

• MEC - Mechanical Feed

Cutters meant for working in machines with automatic working and feed cycle.
All cutters are marked with maximum admissible rotation. This kind of tools is identified with the marking "MEC"(fig.3).

■ CUTTING EDGE MATERIALS

- SP - Alloyed steel
- HL - High-alloyed steel
- HS - High-speed steel
- HW - Tungsten carbide
- HC - Coated tungsten carbide
- ST - Stellites
- DP - Polycrystalline diamond

■ TYPES DE CONSTRUCTION

EN 847-1 : Outillages pour travailler le bois.
Normes de sécurité.
Partie 1- outillages de fraisage, lames de scies circulaires.
La présente norme élimine tous les risques provenant de la conception et de l'utilisation des outils pour machines à bois et décrit des méthodes d'élimination ou de réduction de ces risques lors de la conception des outils, et que nous pouvons lire sur la notice information de l'utilisateur.

• MAN - Avance manuelle

Les outils de fraisage pour machines à avance manuelle doivent être conçus pour garantir une protection totale de l'opérateur:

- Réduction de la serieté des lésions en cas de contact avec l'outil en fonctionnement.
- Réduction du danger de rejet de la pièce à usiner.

Ces fraises sont construites:

- De forme non ronde du corps, avec limiteur de passe, avec lequel le dépassement d'arête est inférieur a 1,1 mm (fig.1).
- De forme ronde du corps, avec un dépassement d'arête inférieur a 3 mm (fig.2).

Toutes les fraises doivent êtres marqués avec la vitesse admissible. Ce genre d'outils est identifié avec le marquage "MAN".

• MEC - Avance mécanisée

Outils de fraisage destiné a être utilisés que sur des machines à avance mécanisée. Tous les outils doivent être marqués avec la vitesse maximale admissible (fig.3). Ce genre d'outils est identifié avec le marquage "MEC".

■ MATÉRIAUX DE COUPE

- SP - Acier à outils allié
- HL - Acier fortement allié
- HS - Acier rapide
- HW - Carbure non revêtus
- HC - Carbure revêtu
- ST - Stellites
- DP - Diamant polycristallin

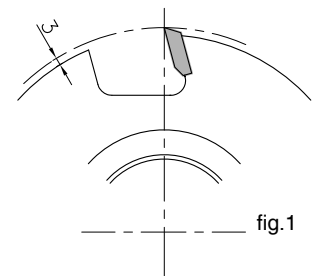


fig.1

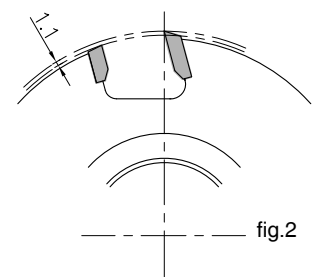


fig.2

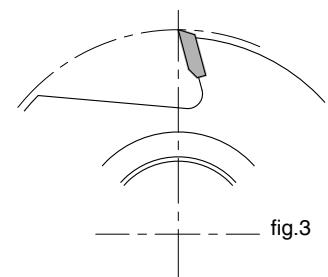


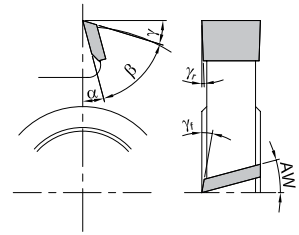
fig.3

■ CUTTING GEOMETRY

- α - Cutting angle / Bevel / Chamfer
- β - Working angle
- γ - Front outlet angle
- γ_f - Sidely outlet cut
- γ_r - Across outlet angle
- AW - Axial cut angle

■ GÉOMÉTRIE DE COUPE

- α - Angle de coupe / Angle / Chanfrein
- β - Angle d'attaque
- γ - Angle de dépouille
- γ_f - Angle de dépouille latérale
- γ_r - Angle de dépouille radiale
- AW - Angle axial

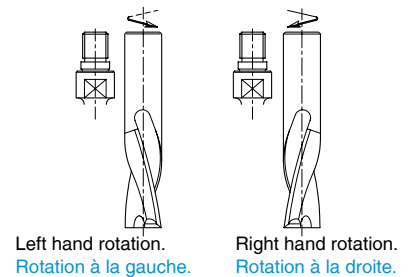
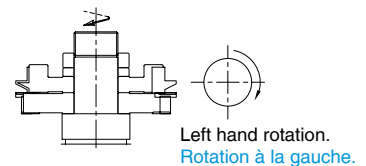
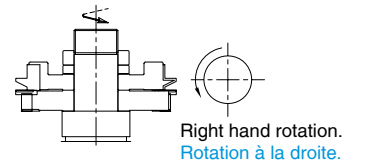


■ CUTTER ROTATION SENSE

- Tools with bore
 - RH - Right hand rotation
Top view on tool : counter clockwise rotation.
 - LH - Left hand rotation
Top view on tool: clockwise rotation.
- Shank tools
 - RH - Right hand rotation
Clockwise rotation when viewed on top of the shank.
 - LH - Left hand rotation
Counter-clockwise rotation when viewed on top of the shank.

■ SENS DE ROTATION DE L'OUTIL

- Outils avec alésage
 - RH - Rotation à la droite
Vu de l'extrémité de l'arbre, l'outil tourne dans le sens inverse des aiguilles d'une montre.
 - LH - Rotation à la gauche
Vu de l'extrémité de l'arbre, l'outil tourne dans le sens des aiguilles d'une montre.
- Outils à queue
 - RH - Rotation à droite
Vue de dessus dans le sens des aiguilles d'une montre.
 - LH - Rotation à gauche
Vue de dessus dans le sens inverse des aiguilles d'une montre.



• Tool position:
The position of the machine spindle or tool is always defined from the feed side of the workpiece.

• Position de l'outil:
La position de la broche de la machine ou de l'outil est toujours défini à partir de la face d'alimentation de la pièce à usiner.

■ FEED DIRECTION

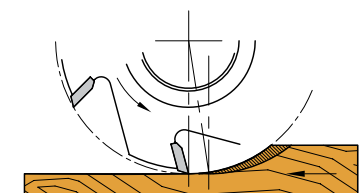
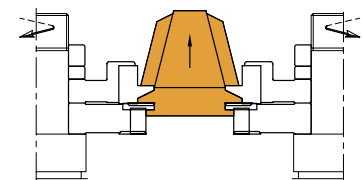
• Cutter working against the feed.
On this type of work the cutter and the wood movements are opposite to each other. The advantage on this would be the nice finishing for favourable cutting angles and the disadvantage is on the cutting against the wood grain.
IMPORTANT : This type of cut is the only possible for manual feed.

■ DISPOSITION DE COUPE

• Travail en opposition
Dans cette condition, le mouvement de rotation du bois, avec découpage graduel du copeau. Ce système garanti une meilleure longévité des couteaux tout en limitant la puissance absorbée et il y a comme désavantage la surface du bois qui est assez irrégulière, formant d'éclats à la surface du bois.
IMPORTANT: Seul le travail en opposition permet d'utiliser l'avance manuelle.

• Cutter working with the feed.
On this type of work, cutter and wood movements are in the same sense. Enables well finished surfaces when cutting towards the grain of the wood, requiring a small feed power and allowing higher feed speeds.
It has the limitation of being able to work only on machines which tool feed is mechanical over the total length of the tool.

• Travail en avalant
Dans ce cas, le mouvement de rotation de l'outil est identique au sens de l'avance. Ce système permet d'obtenir des surfaces de finition précise, tout en ayant une forte puissance absorbée et il est adopté principalement sur des installations automatisées.



Working against the feed.
Travail en opposition.

Working with the feed.
Travail en avalant.

■ CUTTING SENSE

- Cutting towards the grain.
Easy cut, producing a good quality surface and possible with high feed speeds.
- Cutting against the grain
Difficult cut, as fibres tend to lift. If possible avoid this type of work.
- Cross cut
Teeth cut easily, but leave a rough surface.
- Cutting in end grain
Rotation of teeth 90° to direction of grain. Difficult cutting, rough surface.

■ CUTTING SPEED

The cutting speed, i.e. the speed of the cutter edge radius is calculated considering the diameter of the cutter on the cutting point and in the number of rotations (angular speed).
It is calculated from the formula:

$$V_c = \frac{D \times \pi \times n}{1000 \times 60} \text{ m/s}$$

Whereas

D= External diameter in mm
n= Number of rotations per min
 π = Constant = 3,14

SENS DE COUPE

- Coupe longitudinale dans le sens de la fibre. Usinage facile avec une finition de surface de très bonne qualité, possible avec des hautes vitesses d'avance.
- Coupe longitudinale dans le sens inverse de la fibre. Usinage difficile car il y a la tendance à éclater le bois. Si possible éviter ce sens de coupe.
- Coupe transversale
Usinage facile mais donne une surface légèrement rugueuse.
- Coupe en bout
Les fibres du bois sont coupées verticalement. Usinage difficile avec grand effort. Seulement possible avec des vitesses de coupe réduites.

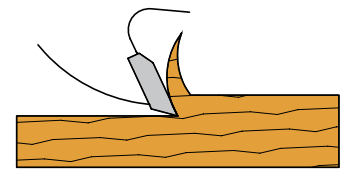
■ VITESSE DE COUPE

La vitesse de coupe, ou la vitesse des points de la périphérie des copeaux d'un outil, est calculée selon le diamètre de la fraise au point de coupe considéré et du numéro de rotations (vitesse angulaire).
Elle est déterminée par la formule suivante:

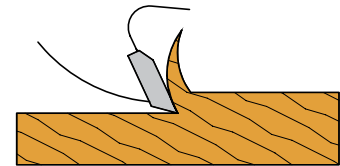
$$V_c = \frac{D \times \pi \times n}{1000 \times 60} \text{ m/s}$$

Dans laquelle :

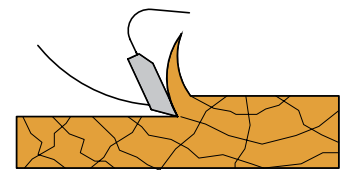
D= Diamètre extérieur en mm
n= N.° de rotations par minute
 π = Constant = 3,14



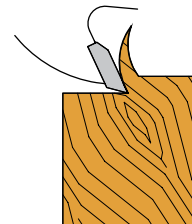
Cutting towards the grain.
Coupe longitudinale dans le sens de la fibre.



Cutting against the grain.
Coupe longitudinale dans le sens inverse de la fibre



Cross cut.
Coupe transversal.



Cutting in end grain.
Coupe en bout.

Technical information Informations techniques

- RECOMMENDED SPEEDS FOR DIFFERENT KINDS OF MATERIALS.

- VITESSE RECOMMANDÉE POUR LES DIFFÉRENTS TYPES DE MATÉRIELS.

Materials Matériaux	HS Vc (m/s)	HW/DP Vc (m/s)
Soft woods Bois tendres	50-80	60-90
Hard woods Bois durs	40-70	50-90
Cheapboard Aggloméré		60-90
Plywood Contre-plaqué		60-90
Hard fibbers panel board Panneaux de fibres dures		40-70
Veneered panel board Panneaux revêtus		40-70
Thermoplastic Thermoplastique		40-60
Aluminium Aluminium		30-50

Note: The speed range recommended for the Manual feed (MAN) tools should be within 40- 70 mts/seg

Note : La plage de vitesse recommandée pour outils d'avance manuelle (MAN) varie entre 40-70 mts-seg.

- CUTTING FEED
(Surface quality)

The quality to be obtained on a surface is associated to the cutting feed especially of each tooth feed and the number of teeth of the tool.

The feed speed can be easily calculated as following and determined by the diagram.

$$V_f = \frac{F_z \times n \times Z}{1000} \text{ m/min}$$

Whereas:

Fz = Feed Speed per edge in mm by rotation

n = Maximum allowable cutter RPM

Z = Number of teeth

Feed Speed per edge (Fz)

0,3-0,8 mm: good finishing

0,8-2,5 mm: medium finishing

2,5-5,0 mm: rough

- AVANCE DE COUPE
(Qualité de la surface)

La qualité obtenue dans une surface de coupe, est associée à la vitesse d'avance, en particulier par l'avance de chaque dent et le nombre de dents de l'outil. L'avance de coupe peut être déterminé selon la formule suivante, pouvant être aussi déterminé par le diagramme.

$$V_f = \frac{F_z \times n \times Z}{1000} \text{ m/min}$$

Dans laquelle:

Fz = Avance par dent

Z = N.° de dents de l'outil

n = N.° de rotations par minute

Avance par dent (Fz)

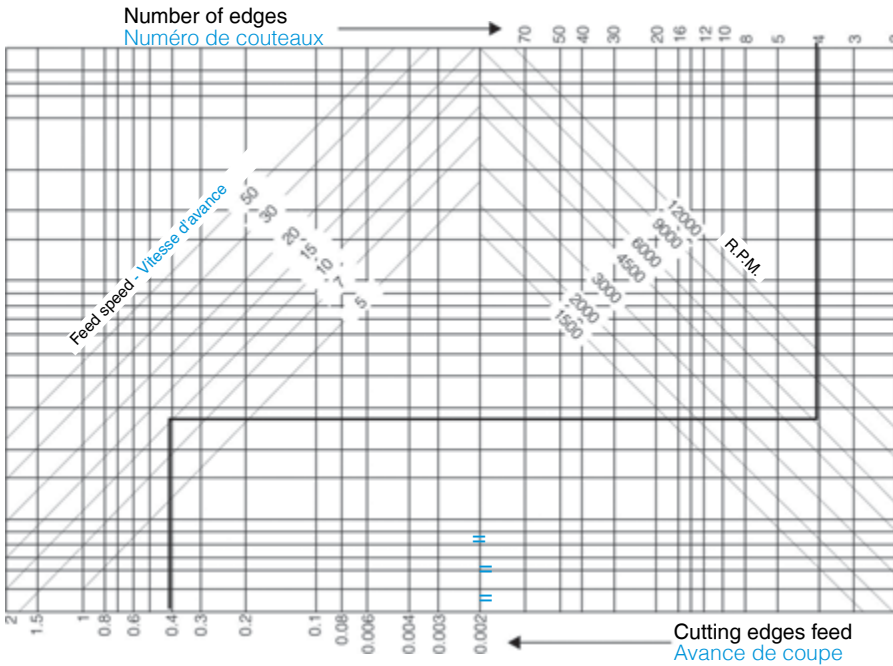
0,3-0,8 mm: bonne finition

0,8-2,5 mm: finition moyenne

2,5-5,0 mm: ébauche

■ GRAPHIC TO DETERMINE THE FEED SPEED

■ TABLEAUX POUR DÉTERMINER LA VITESSE D'AVANCE



Example :
A cutter with 4 edges in Hard Metal, with 140 mm diameter turning at 6.000 r.p.m. for a finishing work.
What is the cutting feed?

Exemple :
Une fraise avec 4 copeaux en carbure de tungstène, diamètre 140 mm et tournant à 6.000 r.p.m. en travail d'accomplissement.
Quel doit être l'avance de coupe?

$$V_f = \frac{0,4 \times 6000 \times 4}{1000} = 9,6 \text{ m/min}$$

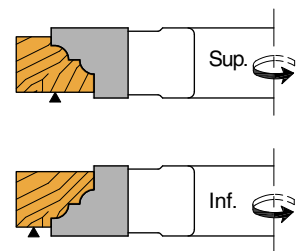
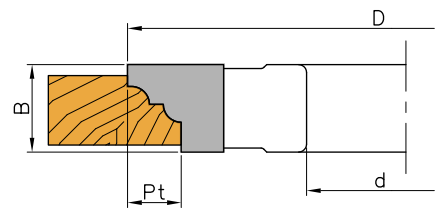
$$V_f = \frac{0,4 \times 6000 \times 4}{1000} = 9,6 \text{ m/min}$$

■ FORMULA TO DETERMINE TOOL DIAMETER

■ FORMULE POUR DÉTERMINER LE DIAMÈTRE DE L'OUTIL

All orders for special profiles tooling must clearly specify dimension, side to table, direction of rotation, cutting sense (cutting with the grain / against the grain), type of material (soft wood / hard wood, MDF, etc.) on all workpiece samples or drawings and constructions specifications, MAN (with deflector or round form tool) or MEC.

Toutes les commandes pour outils spéciaux devront clairement spécifier, position de la table, sens de rotation, sens de coupe (sens de la fibre / sens inverse de la fibre), type de matériaux (bois tendres / bois durs, MDF, etc.) pour tous échantillons ou dessins et formes de construction: MAN (Avec limiteur de pas ou forme ronde du corps) ou MEC.



- Moulding cutter
Bore Ø30 : D=2 x Pt +90
Bore Ø40 : D=2 x Pt +100
Bore Ø50 : D=2 x Pt +110
- Profiling cutterhead
Bore Ø30 : D=2 x Pt +100
Bore Ø40 : D=2 x Pt +110
Bore Ø50 : D=2 x Pt +120

- Fraise pour moulures
Alésage Ø30 : D=2 x Pt +90
Alésage Ø40 : D=2 x Pt +100
Alésage Ø50 : D=2 x Pt +110
- Porte-outils a profil
Alésage Ø30 : D=2 x Pt +100
Alésage Ø40 : D=2 x Pt +110
Alésage Ø50 : D=2 x Pt +120

■ SAFETY REGULATIONS

A wood cutter is considered a dangerous tool, due to its positive cutting angles, sharp cutting edges, and high working speeds.

In this way we recommend:

- Before placing the tool on the machine:
 - As the manufacturer protects the tools against transport damages, also the user should have maximum care with the handling of the tool. The placement of the tools in a hard base may cause small cracks or even complete breakage of the cutting edge.
 - The tool and its fitting on the machine should be very well cleaned.
 - The assembly and placement of the tool should only be made using grind spacers. Also assure that the fitting between the tool bore and the spindle is dirt free, in order to allow a smooth fitting of the tool in the spindle.
 - Assure that all the clamping screws that secure the knives are well tightened.
 - Check that the tool has all of the cutting edges in perfect conditions.
 - Control the sense of rotation.
 - Compare the rotations admitted on the tool, with the one's selected on the machine.
 - All the equipment's should have the proper protections, according with the applied law. Use the proper protection for each type of job.
- During use
 - Control the wear of the tool
 - During the cut, chips of wood together with resin, are glued in the cutting edges. This will provoke the reduction of the cutting angle, causing the diminishing of the capacity to remove the chips and consequently increasing the cutting effort. The cutter should be clean frequently.

NORMES DE SÉCURITÉ

Une fraise pour bois est considérée un outil dangereux, à cause de ses angles de coupe normalement positifs, ses arêtes de coupe très vifs et sa vitesse de travail normalement très élevée.

En conséquence, nous recommandons:

- Mesures à prendre avant de monter la fraise sur la machine:
 - De la même façon que le fabricant protège les outils pendant le transport, l'utilisateur devra aussi avoir beaucoup de soin avec son manie-ment. L'emplacement de l'outil sur des bases dures peut provoquer des fissures ou même casser les couteaux (surtout les couteaux de HW et DP).
 - Nettoyer bien l'outil et sa place sur la machine.
 - Monter l'outil utilisant seulement des bagues rectifiées, et vérifier si l'union alésage-arbre se trouve bien libre pour éviter une union forcée.
 - Vérifier si les vis de fixation des lames sont bien serrés.
 - Vérifier si les couteaux sont tous en bonne condition.
 - Contrôlez le sens de rotation de l'outil.
 - Vérifier la vitesse de rotation de la machine avec la vitesse marquée sur l'outil.
 - Toutes les machines doivent être équipées avec les protections complètes, construites selon les normes. Chaque travail devra avoir des protections adaptés.
- Mesures à prendre avant de monter la fraise sur la machine
 - Contrôler l'usure des outils et l'état des couteaux.
 - Nettoyer souvent les couteaux à cause des particules de copeau et de résine qui se colle aux couteaux et qui diminuent leurs capacités de coupe.

■ PLACEMENT OF ORDERS

The preparation of an order is based on the acceptance of the General FREZITE Sales Conditions and the express confirmation of the latter by the customer.

All orders must include the necessary data to clearly define the tool to be delivered, and the customer shall be responsible for supplying all elements (drawings, samples and other). These elements will be kept by FREZITE for a period of six months and shall only be returned to the customer when requested in writing. The cancellation or alteration of the order by the customer requires the express consent and permission of FREZITE, and all costs shall be borne by the customer.

■ DELIVERY AND RETURN TIME

The order delivery times are not binding but merely indicative, and therefore does not confer the right, due to any delays, to penalties or cancellation of the order. FREZITE does not accept the return of special tools. Any other return requires the prior written permission of FREZITE and it shall not be responsible thereof. The company shall have the right to pass on to the customer 5% of the value of the return, deemed to be handling costs.

■ SHIPMENTS

The goods sent by FREZITE are transported at the customer's expense and risk, even with postage paid at origin. Insurance to cover any loss for damage or loss suffered during shipment will only be applied upon the written request of the customer, who will be liable for the costs thereof.

■ PRICES

The prices shown in the tables and budgets are free of taxes and fees, and only reflect the value of the product in storage.

The amounts stated in the invoice represent the applicable prices as at the date of the issue thereof. The prices for the special tools must be stated and confirmed in the order.

■ RESERVATION OF OWNERSHIP

Until full payment is made of the tools supplied, FREZITE reserves the right of ownership over the same.

■ WARRANTY

FREZITE, as a certified company, warrants the quality of the tools it produces and supplies. Defects, however, arising from the incorrect use and/or normal wear of the tool are not covered by the warranty. The warranty only covers the replacement or repair costs of the tool when it is recognized by FREZITE as being defective. Complaints must be lodged in writing and duly substantiated in order to be taken into consideration.

■ SAFETY

The tools for woodworking and plastic are considered dangerous tools because of their cutting angles which are usually positive, their very sharp cutting edges and high working speed. Therefore, they require a secure and reliable construction, to reduce the risks to the user. FREZITE tools are designed and produced in accordance with European Standard EN 847 1-3 with respect to safety, design and quality requirements.

■ GENERAL INFORMATION

FREZITE reserves the copyright over all documents, whether images, sketches, samples or otherwise, and does not consent to their change or disclosure to third parties without its prior express consent, given in writing.

FREZITE is entitled to make any technological and graphic changes without prior notice. The place for fulfilment of the contract concluded with the customer shall be the registered office of FREZITE in Trofa, Portugal. It is expressly established that the Forum for the District of Santo Tirso shall have jurisdiction to determine any disputes arising from it, to the exclusion of all others.

■ CONDITIONS DE VENTE

La création d'une commande doit impérativement accepter les Conditions Générale de Vente FREZITE et la confirmation explicite de la part du client. Toutes les commandes doivent contenir toutes les données pour ce qui concerne la description de l'outil, ayant le client la responsabilité de fournir tous les éléments nécessaires (dessins, échantillons, entre autres). Ces éléments seront conservés pendant une période de six mois par FREZITE et ils seront rendus aux clients, quand ceux-ci les solliciteront, par écrit. L'annulation ou la modification de la commande par le client doit recevoir l'accord et l'autorisation exprimée de FREZITE, dont tous les frais inhérents doivent être imputés au client.

■ DÉLAI DE LIVRAISON ET RETOURS

Les délais de livraison des commandes n'ont pas un caractère contraignant mais simplement indicatif. En cas de retard, cela ne donne pas le droit à des pénalisations ou à l'annulation de la commande. FREZITE n'accepte pas le retour d'outils à fabrication spéciale. Le retour d'un outil doit avoir l'autorisation préalable de FREZITE et son coût ne doit pas lui être imputé, ce donnant même le droit de demander au client 5% de la valeur en retour comme frais de manutention.

■ EXPÉDITIONS

Bien que les frais de port soient payés à la source, les marchandises voyagent et circulent au risque du destinataire. L'assurance qui couvre tous les dommages et pertes causés aux objets assurés pendant le voyage, devra être requise par écrit et payée par le destinataire.

■ PRIX

Les prix tarif et les devis présentés ne comprennent pas les taxes mais simplement la juste valeur du produit en magasin. Les montants présentés sur la facture traduisent les prix en vigueur lors de la date de son émission. Les prix des outils à fabrication spéciale doivent être exprimés et confirmés lors de la commande.

■ DROIT DE PROPRIÉTÉ

FREZITE se réserve le droit de propriété sur les outils fournis jusqu'à ce qu'ils soient entièrement payés.

■ GARANTIE ET RÉCLAMATIONS

FREZITE est une entreprise certifiée et, de ce fait, garantie les outils produits et fournis. Les imperfections d'une mise en procédé incorrecte bien que l'usure normale de l'outil ne font pas partie de la garantie. La garantie permet la substitution ou réparation d'un outil quand celui-ci est reconnu par FREZITE comme ayant un défaut de fabrication. Les réclamations prises en charges devront être présentées par écrit et dûment remplies et signées.

■ SÉCURITÉ

Les outils pour travailler le bois et les plastiques sont considérés des ustensiles dangereux en vertu de leurs angles de coupe positifs, leurs arêtes de coupes très pointues bien que le fait de travailler à grande vitesse. Les outils requièrent une construction performante et fiable afin de réduire les risques pour l'utilisateur. Les outils FREZITE sont projetés selon la norme européenne EN 847 1-3 pour ce qui concerne les prescriptions de sécurité, design et qualité.

■ GÉNÉRALITÉS

FREZITE se réserve les droits d'auteur sur tous les documents que soient-ils des images, esquisses, échantillons, sans pour autant concevoir leurs adulations ou divulgation à des tiers conformément la présentation par écrit de son consentement.

FREZITE se permet le droit de faire des modifications technologiques et d'image sans avertissement préalable. Le lieu d'exécution du contrat conclu avec le client a lieu au siège social de FREZITE, Trofa, Portugal. La résolution de n'importe quel litige aura lieu au Foro da Comarca de Santo Tirso, à l'exclusion de tout autre.

Index by article code
Index par code d' article

Ref.	Page
004.....	2.4
006.....	2.4
011.....	2.14
015.....	2.19
016.....	2.6
018.....	2.7
019.....	2.14
030.....	2.13
041.....	2.11
044.....	2.12
048.....	2.31
049.....	2.31
054.....	5.41
055.....	5.41
152.....	3.5
160.....	4.4
162.....	4.10
163.....	4.6
165.....	4.8
166.....	4.3
180.....	5.28/5.29/5.30
184.....	5.30
206.....	3.45
211.....	3.15
213.....	3.11
214.....	3.14
215.....	3.14
234.....	3.44
235.....	3.39
237.....	2.8
239.....	3.43
240.....	3.42
250.....	5.3
264.....	5.26
278.....	5.20
310.....	9.3
311.....	9.4
315.....	3.6
330.....	9.9
350.....	3.12
360.....	3.12
370.....	3.10
382.....	3.9
407.....	3.4
415.....	4.11
461.....	4.14

Ref.	Page
480.....	3.17/5.6
481.....	3.17
501.....	3.27
502.....	2.33
503.....	2.34/2.35
505.....	2.17
506.....	2.23
510.....	3.3
513.....	2.18
517.....	5.34
518.....	2.3
519.....	3.5
520.....	5.11
521.....	5.9/5.10
522.....	2.8
524.....	3.8
526.....	3.9
527.....	2.22
528.....	5.8
529.....	5.31/5.32/5.33
530.....	2.16
531.....	2.17
532.....	4.7
533.....	4.9
534.....	4.11
535.....	2.22/7.19
536.....	2.19
537.....	2.10
538.....	2.9
539.....	2.30
542.....	2.29
544.....	3.4
546.....	2.10
548.....	2.11
550.....	5.39
551.....	2.3
555.....	4.12/4.13
556.....	2.37
557.....	2.38/2.39
560.....	2.32
561.....	5.43
562.....	3.28
563.....	2.24/2.25
564.....	3.23
567.....	3.19/3.21
568.....	3.7
570.....	5.23
571.....	5.25
573.....	3.26



Index by article code
Index par code d' article

Ref.	Page
574.....	2.29
576.....	5.27
578.....	5.7
580.....	2.6
582.....	5.12/5.14
583.....	5.40
584.....	5.17
585.....	5.18
586.....	2.40
587.....	2.26
590.....	3.29
591.....	3.11
592.....	3.13
593.....	3.15
594.....	4.5
595.....	5.19
596.....	5.36
597.....	5.35
598.....	2.36
599.....	2.36
601.....	3.25
602.....	2.27
603.....	2.28
701.....	11.19
702.....	11.20/11.21
703.....	9.8/11.14/11.15
704.....	10.5
705.....	11.23
706.....	11.24
707.....	11.25
709.....	11.23
712.....	1.39/11.18
713.....	11.18
714.....	11.16/11.17
715.....	11.19
717.....	11.22
719.....	11.26
723.....	11.26
724.....	10.3/10.4
729.....	9.7
730.....	10.5
750.....	11.3
751.....	11.3
752.....	11.3
753.....	11.3
754.....	11.3
755.....	11.4
757.....	11.5

Ref.	Page
758.....	11.5
759.....	11.6
760.....	11.6
761.....	11.7
765.....	11.7
766.....	11.7
771.....	11.11
773.....	11.11
774.....	11.12
780.....	11.8
783.....	11.8
787.....	11.12
792.....	11.10
793.....	11.10
794.....	11.9
796.....	11.10
797.....	11.10
798.....	11.9
852.....	1.9
860.....	1.11
861.....	1.11
863.....	1.13
864.....	1.14
865.....	1.15
866.....	1.16/1.17
867.....	1.19
868.....	1.8/1.9/1.10
870.....	1.8
871.....	1.23
872.....	1.25
873.....	1.20/1.21
874.....	1.30
875.....	1.27
876.....	1.34
877.....	1.36
878.....	1.36
879.....	1.12
880.....	1.34
881.....	1.35
882.....	1.19
883.....	1.33
884.....	1.28
885.....	1.28
886.....	1.10
888.....	1.33
889.....	1.37
891.....	1.12
893.....	1.29
895.....	1.15

Index by article code
 Index par code d' article

Ref.	Page
896.....	1.35
897.....	1.14
898.....	1.38
A070.....	7.17
A071.....	6.26
A080.....	6.3
A083.....	6.5
A084.....	6.5
A090.....	9.6
A092.....	9.5
A093.....	9.5
A101.....	6.4/7.5
A102.....	6.10
A103.....	6.10
A104.....	6.4
A105.....	6.3
A106.....	6.9
A109.....	7.14
A110.....	6.7
A111.....	6.11
A113.....	6.11
A122.....	6.12
A123.....	7.3
A124.....	7.3
A126.....	7.3
A127.....	6.13/7.4
A131.....	6.13
A132.....	6.14
A133.....	7.4
A135.....	6.7
A140.....	6.14
A142.....	6.15
A143.....	6.15
A149.....	6.17
A150.....	6.18
A151.....	6.16
A152.....	6.16
A153.....	6.17
A154.....	6.21
A155.....	6.21
A156.....	6.20
A157.....	6.20
A158.....	6.18
A159.....	6.19
A160.....	6.19
A161.....	6.22
A162.....	6.22
A164.....	6.23

Ref.	Page
A165.....	6.23
A189.....	9.6
A190.....	8.17
A191.....	8.18
A192.....	8.18
A194.....	8.22
A196.....	8.20
A197.....	8.22
A199.....	8.22
A200.....	8.21
A201.....	8.12
A202.....	8.8
A203.....	8.3/8.4
A205.....	8.14
A206.....	8.21
A210.....	8.8
A214.....	8.19
A215.....	8.19
A216.....	8.5
A220.....	8.10
A222.....	8.6
A223.....	8.11
A224.....	8.7
A225.....	8.11
A226.....	8.12
A227.....	8.16
A230.....	8.15
A232.....	8.15
A233.....	8.15
A234.....	8.9
A236.....	7.27
A238.....	7.27
A240.....	7.15
A241.....	7.15
A242.....	7.5
A243.....	7.22
A244.....	7.6
A245.....	7.16
A246.....	7.21
A247.....	7.21
A248.....	6.12
A249.....	6.6
A250.....	6.8
A251.....	6.8
A253.....	6.9
A254.....	8.16
A255.....	7.8
A257.....	7.8
A258.....	7.7



Index by article code
Index par code d' article

Ref.	Page
A259	7.18
A330	7.40
A375	7.18
A376	7.14
A420	10.18
A422	10.18
A423	10.14/10.15/10.16
A424	10.8/10.12
A425	10.8
A428	10.9/10.10
A429	10.13
A431	11.25
A432	10.17
A434	10.17
A435	10.11/10.12
A440	1.40
A503	7.33
A504	7.20
A505	7.34
A506	7.35
A507	7.32
A508	6.6/7.6
A509	7.7
A511	7.37
A512	7.38
A513	7.31
A514	7.30
A515	7.13
A516	7.20
A517	7.19
A518	7.26
A519	7.32
A520	7.25
A521	7.13
A522	7.23
A524	7.39
A525	7.28
A600	11.12
A610	11.13
A650	11.13
A651	11.13
A724	10.6
A726	10.6
A762	6.25
A770	6.24

Ref.	Page
A771	6.24
A772	6.25
A782	6.26
A800	7.9
A803	1.18
A805	2.5
A806	1.31
A807	2.21
A808	2.15
A809	2.20
A811	7.29
A812	7.24
A814	8.13
A815	1.32
A816	8.17
A817	2.5
A818	2.15
A819	7.28
A820	7.10
A821	7.11/7.16
A822	7.11
A823	7.17
A824	7.12
A826	7.12
A827	2.21
A828	2.7
A860	2.37
A861	2.41
A862	2.42
A871	1.24
A872	1.26
A873	1.22
A875	1.27
A887	1.38
SCK25	10.7

FRE

ZITE



FREZITE - Ferramentas de Corte, S.A.

Head Office / Siège social : Rua do Vau, 173, Apartado 134, 4786-909 Trofa, PORTUGAL
Tel.: +351 252 400 360 | Fax: +351 252 417 254 | e-mail: info@frezite.com

Find your local partner at / Trouvez votre partenaire de distribution à:

FREZITE Group