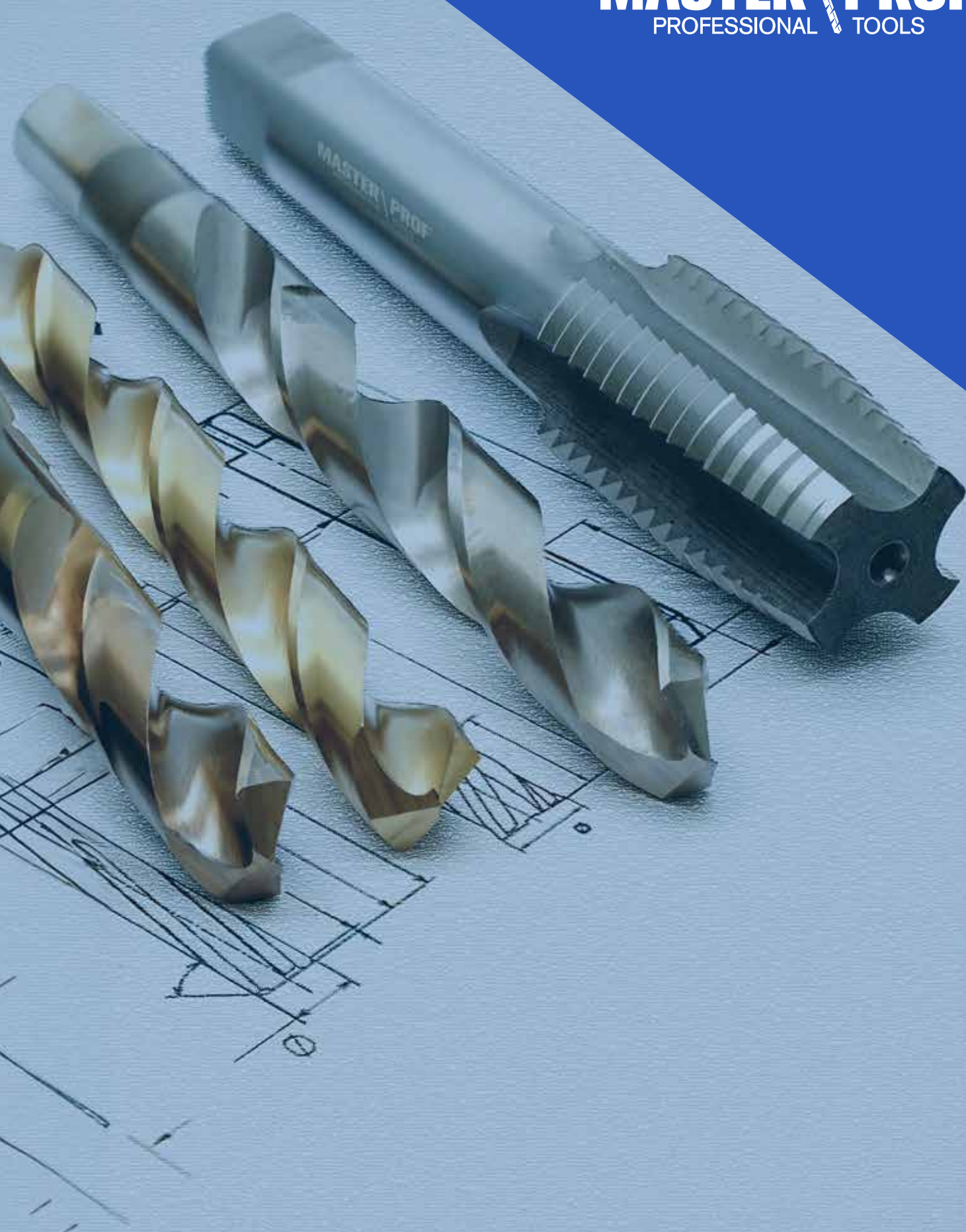


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MASTER \ PROF[®]
PROFESSIONAL \ TOOLS




METAL

CONSTRUÇÃO

MADEIRA


ACESSÓRIOS

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Our brand supplies various industry sectors such as Aerospace, Automotive, Construction, Energy, Metallurgical and Chemical, taking into account tasks such as drilling, reaming, tapping, milling and turning.

Regarding the products, we have a pervasive and versatile variety like: Drills, Buris, Dies, Desanders, Abrasive Discs, Flap Discs, Segmented Discs, Mills, Saws, Taps, Mandrels and Sprays among others. Our tools are mainly composed of HSS, HSSE (5% Co), HSSE (8% Co), PMX or Carbide, speeding up and streamlining milling and drilling operations.

We are increasingly known for our items and the price/quality ratio. Our mission is to continue to evolve to offer our customers excellent and reliable products and services.

 **MASTER-PROF** est une marque spécialisée dans les outils de coupe qui a été fondée en 1990, d'abord sous le nom commercial MASTER, puis a changé de nom pour devenir officiellement MASTER-PROF en 2005. La marque a été créée dans le but d'apporter une grande variété de produits au marché industriel et d'être une solution utile pour les professionnels.

MASTER-PROF fournit différents secteurs de l'industrie tels que : Aérospatiale, Aéronautique, l'automobile, la construction, l'énergie, la métallurgie et la chimie, en prenant en compte des travaux tels que le perçage, l'alésage, le fraisage, le filetage, et le tournage.

En ce qui concerne les produits, elle dispose d'une gamme très étendue et polyvalente - forets, douilles, fraises, matrices, dessableurs, disques abrasifs, disques à lamelles, disques segmentés, rubans de scie, broches, pulvérisateurs, entre autres. La majorité des outils MASTER-PROF sont fabriqués en acier rapide, en acier rapide (5% Co), en acier rapide (8% Co), en PMX et en carbure, accélérant et perfectionnant les opérations de fraisage et de perçage.

Nous sommes de plus en plus connus pour nos articles et notre rapport qualité-prix. Notre mission est de continuer à évoluer afin d'offrir à nos clients un service excellent et fiable.



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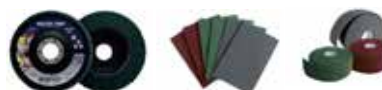


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TARAUDS MACHINE HSS-CO POUR TRAVAUX SPÉCIAUX

HSS-CO



94

MACHOS PARA MÁQUINA PARA TRABALHOS ESPECIAIS EM HSS-CO NAVALHAS DIREITAS HSS-CO - TIALN

HSS-CO MACHINE TAPS FOR SPECIAL WORK

TARAUDS MACHINE HSS-CO POUR TRAVAUX SPÉCIAUX

HSS-CO



94

MACHOS P/ MÁQUINA MÉTRICA FINA EM HSS-CO DIN374/B (PASSES ESPECIAIS)

HSS-CO MACHINE TAPS WITH FINE METRIC DIN374/B (SPECIAL THREADS)

TARAUDS POUR MACHINE MÉTRIQUE FINE EN HSS-CO DIN374/B (PASSES SPÉCIALES)

HSS-CO



95

MACHOS PARA TRABALHOS ESPECIAIS BROCA - MACHO HSS-CO (2 EM 1)

MACHINE TAPS FOR SPECIAL WORKS

TARAUDS MACHINE POUR TRAVAUX SPÉCIAUX

HSS-CO



98

MACHOS PARA TRABALHOS ESPECIAIS BROCA - MACHO - ESCAREADOR HSS (3 EM 1)

MACHINE TAPS FOR SPECIAL WORKS

TARAUDS MACHINE POUR TRAVAUX SPÉCIAUX

HSS



98

MACHOS BIT PARA TRABALHOS ESPECIAIS HSS-CO + JOGO / CONTA FIOS

MACHINE TAPS FOR SPECIAL WORKS

TARAUDS MACHINE POUR TRAVAUX SPÉCIAUX

HSS

HSS-CO



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CABEÇAS DE ROSCAR PARA MACHOS COM RETORNO AUTOMÁTICO E ACESSÓRIOS

REVERSAL TAPPING CHUCKS

TÊTES DE FILETAGE AVEC RETOUR AUTOMATIQUE



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CAÇONETES

DIES

FILIÈRES

HSS



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DIES HSS-CO INOX

FILIÈRES HSS-CO INOX

HSS-CO INOX



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TAPS AND DIES HOLDERS / SCREW EXTRACTORS

PORTE-TARAUDS ET PORTE-FILIÈRES / EXTRACTEUR VIS

ZAMAC

STEEL



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DESANDADORES DE CAÇONETES

TAPS AND DIES HOLDERS / SCREW EXTRACTORS

PORTE-TARAUDS ET PORTE-FILIÈRES / EXTRACTEUR VIS

ZAMAC

STEEL



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DESANDADOR DE MACHOS COM ROQUETE E ROQUETE LONGO

TAPS AND DIES HOLDERS / SCREW EXTRACTORS

PORTE-TARAUDS ET PORTE-FILIÈRES / EXTRACTEUR VIS



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EXTRATOR DE PARAFUSOS + JOGO

TAPS AND DIES HOLDERS / SCREW EXTRACTORS

PORTE-TARAUDS ET PORTE-FILIÈRES / EXTRACTEUR VIS



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HSS-G AND HSS-CO DRILLS AND DIES CASES

ASSORTIMENTS POUR TARAUDS ET FILIÈRES HSS-G ET HSS-CO

HSS

HSS-CO

ESTOJOS DE MACHOS E CAÇONETES BSW HSS-G

THREADING SETS IN METAL OR WOOD CASES

ASSORTIMENTS POUR TARAUDS ET FILIÈRES HSS-G

HSS

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HSS

JOGOS PARA REPARAR ROSCAS K-COIL/ MACHO K-COIL FORMA D

K-COIL THREAD REPAIR SETS

JEUX DE RÉPARATION DE FILETS K-COIL

HSS

ACESSÓRIOS K-COIL

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ACCESSOIRES POUR RÉTABLIR TARAUDAGES ENDOMMAGÉES

HSS

INSERTO ROSCADO K-COIL

K-COIL THREAD INSERT

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HSS

INSERTOS AUTO ROSCANTES + JOGO

MASTERFIX CASES

JEUX MASTERFIX

HSS

SERRAS CIRCULARES PARA METAIS NÃO FERROSOS HSS, HSS-CO E TIN

CIRCULAR SAWS FOR NON-FERROUS METALS

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HSS

HSS-CO

TIN

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TIALN

TICN

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HSS SEGMENT CIRCULAR SAWS

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CROMO VANADIUM



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METAL

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HSS-G STRAIGHT SHANK DRILLS DIN338 - 135° SPLIT-POINT

FORETS CYLINDRIQUES RECTIFIÉS HSS-G DIN 338 - 135° SPLIT-POINT

HSS



Code	Ø	l mm	L mm	PCS
MHSS01	1,00	12	34	10
MHSD01	1,10	14	36	10
MHSD02	1,20	16	38	10
MHSS02	1,25	16	38	10
MHSD03	1,30	16	38	10
MHSD04	1,40	18	40	10
MHSS03	1,50	18	40	10
MHSD05	1,60	20	43	10
MHSD06	1,70	20	43	10
MHSS04	1,75	22	46	10
MHSD07	1,80	22	46	10
MHSD08	1,90	22	46	10
MHSS05	2,00	24	49	10
MHSD09	2,10	24	49	10
MHSD10	2,20	27	53	10
MHSS06	2,25	27	53	10
MHSD11	2,30	27	53	10
MHSD12	2,40	30	57	10
MHSS07	2,50	30	57	10
MHSD13	2,60	30	57	10
MHSD14	2,70	33	61	10
MHSS08	2,75	33	61	10
MHSD15	2,80	33	61	10
MHSD16	2,90	33	61	10
MHSS09	3,00	33	61	10
MHSD17	3,10	36	65	10
MHSD18	3,20	36	65	10
MHSS10	3,25	36	65	10
MHSD19	3,30	36	65	10
MHSD20	3,40	39	70	10
MHSS11	3,50	39	70	10
MHSD21	3,60	39	70	10
MHSD22	3,70	39	70	10
MHSS12	3,75	39	70	10
MHSD23	3,80	43	75	10
MHSD24	3,90	43	75	10
MHSS13	4,00	43	75	10
MHSD25	4,10	43	75	10
MHSD26	4,20	43	75	10
MHSS14	4,25	43	75	10
MHSD27	4,30	47	80	10
MHSD28	4,40	47	80	10
MHSS15	4,50	47	80	10
MHSD29	4,60	47	80	10
MHSD30	4,70	47	80	10
MHSS16	4,75	47	80	10
MHSD31	4,80	52	86	10
MHSD32	4,90	52	86	10

Code	Ø	l mm	L mm	PCS
MHSS17	5,00	52	86	10
MHSD33	5,10	52	86	10
MHSD34	5,20	52	86	10
MHSS18	5,25	52	86	10
MHSD35	5,30	52	86	10
MHSD36	5,40	57	93	10
MHSS19	5,50	57	93	10
MHSD37	5,60	57	93	10
MHSD38	5,70	57	93	10
MHSS20	5,75	57	93	10
MHSD39	5,80	57	93	10
MHSD40	5,90	57	93	10
MHSS21	6,00	57	93	10
MHSD41	6,10	63	101	10
MHSD42	6,20	63	101	10
MHSS22	6,25	63	101	10
MHSD43	6,30	63	101	10
MHSD44	6,40	63	101	10
MHSS23	6,50	63	101	10
MHSD45	6,60	63	101	10
MHSD46	6,70	63	101	10
MHSS24	6,75	69	109	10
MHSD47	6,80	69	109	10
MHSD48	6,90	69	109	10
MHSS25	7,00	69	109	10
MHSD49	7,10	69	109	5
MHSD50	7,20	69	109	5
MHSS26	7,25	69	109	10
MHSD51	7,30	69	109	5
MHSD52	7,40	69	109	5
MHSS27	7,50	69	109	10
MHSD53	7,60	75	117	5
MHSD54	7,70	75	117	5
MHSS28	7,75	75	117	10
MHSD55	7,80	75	117	5
MHSD56	7,90	75	117	5
MHSS29	8,00	75	117	10
MHSD57	8,10	75	117	5
MHSD58	8,20	75	117	5
MHSS30	8,25	75	117	10
MHSD59	8,30	75	117	5
MHSD60	8,40	75	117	5
MHSS31	8,50	75	117	10
MHSD61	8,60	81	125	5
MHSD62	8,70	81	125	5
MHSS32	8,75	81	125	10
MHSD63	8,80	81	125	5
MHSD64	8,90	81	125	5

BROCAS CILÍNDRICAS RETIFICADAS HSS-G DIN338 - 135° SPLIT-POINT

HSS-G STRAIGHT SHANK DRILLS DIN338 - 135° SPLIT-POINT

FORETS CYLINDRIQUES RECTIFIÉS HSS-G DIN 338 - 135° SPLIT-POINT

HSS



CODE	Ø	l mm	L mm	PCS
MHSS33	9,00	81	125	10
MHSD65	9,10	81	125	5
MHSD66	9,20	81	125	5
MHSS34	9,25	81	125	10
MHSD67	9,30	81	125	5
MHSD68	9,40	81	125	5
MHSS35	9,50	81	125	10
MHSD69	9,60	87	133	5
MHSD70	9,70	87	133	5
MHSS36	9,75	87	133	10
MHSD71	9,80	87	133	5
MHSD72	9,90	87	133	5
MHSS37	10,00	87	133	5
MHSS38	10,25	87	133	5
MHSS39	10,50	87	133	5
MHSS40	10,75	94	142	5
MHSS41	11,00	94	142	5
MHSS42	11,25	94	142	5
MHSS43	11,50	94	142	5
MHSS44	11,75	94	142	5
MHSS45	12,00	101	151	5
MHSS46	12,25	101	151	5
MHSS47	12,50	101	151	5
MHSS48	12,75	101	151	5
MHSS49	13,00	101	151	5
MHSS50	13,25	108	160	1
MHSS51	13,50	108	160	1
MHSS52	13,75	108	160	1

CODE	Ø	l mm	L mm	PCS
MHSS53	14,00	108	160	1
MHSS54	14,25	114	169	1
MHSS55	14,50	114	169	1
MHSS56	14,75	114	169	1
MHSS57	15,00	114	169	1
MHSS58	15,25	120	178	1
MHSS59	15,50	120	178	1
MHSS60	15,75	120	178	1
MHSS61	16,00	120	178	1
MHSS62	16,25	125	184	1
MHSS63	16,50	125	184	1
MHSS64	16,75	125	184	1
MHSS65	17,00	125	184	1
MHSS66	17,25	130	191	1
MHSS67	17,50	130	191	1
MHSS68	17,75	130	191	1
MHSS69	18,00	130	191	1
MHSS70	18,25	135	198	1
MHSS71	18,50	135	198	1
MHSS72	18,75	135	198	1
MHSS73	19,00	135	198	1
MHSS74	19,25	140	205	1
MHSS75	19,50	140	205	1
MHSS76	19,75	140	205	1
MHSS77	20,00	140	205	1



HSS-G Twist Drill Set - Plastic Box

Jeu de Forets HSS-G en Boîte Plastique

CODE	Ø MEASURE
MHJ01	1-10 × 0,5 (19 pcs)
MHJ02	1-13 × 0,5 (25 pcs)

Empty Metal Box for Drill Set

Boîtes en Plastique vides pour Forets

CODE	Ø MEASURE
MCB200	1-10 × 0,5 (19 pcs)
MCB201	1-13 × 0,5 (25 pcs)

JOGOS, MALAS E EXPOSITORES DE BROCAS RETIFICADAS HSS-G

HSS-G DRILLS SETS, CASES AND DISPLAYS

JEUX, COFFRETS ET PRÉSENTOIRS DE FORETS RECTIFIÉS HSS-G

HSS



Metallic Case Set for HSS-G Drills

Coffret Métallique pour Forets HSS-G

Composition 170 pcs

10 pcs each/chaque:
1,00 - 1,50 - 2,00 - 2,50 - 3,00 - 3,50 - 4,00 - 4,50
5,00 - 5,50 - 6,00 - 6,50 - 7,00 - 7,50 - 8,00

5 pcs each/chaque:
8,50 - 9,00 - 9,50 - 10,00

CODE

MHJ10



Acrylic Display Set for HSS-G Drills

Présentoir en Acrylique pour Forets HSS-G

Composition 707 pcs

Ø	UN	Ø	UN	Ø	UN	Ø	UN
1,00	50	4,00	90	7,00	10	10,00	7
1,50	50	4,25	30	7,50	10	10,50	6
2,00	50	4,50	30	8,00	10	11,00	6
2,50	50	5,00	30	8,50	10	11,50	7
3,00	60	5,50	20	9,00	10	12,00	7
3,25	60	6,00	20	9,50	10	12,50	7
3,50	50	6,50	10			13,00	7

CODE

MHJ001



Metallic Display Set for HSS-G Drills

Présentoir Métallique pour Forets HSS-G

Composition 2150 pcs

Ø	UN	Ø	UN	Ø	UN	Ø	UN
1,00	50	4,00	300	6,50	50	10,00	50
1,50	50	4,25	100	7,00	50	10,50	10
2,00	50	4,50	100	7,50	50	11,00	10
2,50	50	5,00	200	8,00	50	11,50	10
3,00	300	5,25	50	8,50	30	12,00	10
3,25	100	5,50	100	9,00	30	12,50	10
3,50	200	6,00	100	9,50	30	13,00	10

CODE

MHE1

BROCAS CABO HEXAGONAL INTEGRAL HSS E HSS-CO

HSS AND HSS-CO 8% STRAIGHT SHANK DRILLS HEXAGONAL HANDLE
FORETS CYLINDRIQUES HSS ET HSS-CO CÂBLE HEXAGONAL

Quick Assembly



Metal



Steel



Lubricant



HSS Straight Shank Drills Hexagonal Handle

Forets Hexagonaux HSS

CODE	Ø	l	L	d	PCS
MBE100	1,5	18	60	1/4	10
MBE101	2	24	69	1/4	10
MBE102	2,5	30	77	1/4	10
MBE103	3	33	81	1/4	10
MBE104	3,25	36	85	1/4	10
MBE105	3,5	39	90	1/4	10
MBE106	4	43	95	1/4	10
MBE107	4,25	43	95	1/4	10
MBE108	4,5	47	100	1/4	10
MBE109	5	52	106	1/4	10

CODE	Ø	l	L	d	PCS
MBE110	5,5	57	113	1/4	10
MBE111	6	57	113	1/4	10
MBE112	6,5	63	121	1/4	10
MBE113	7	69	109	1/4	10
MBE114	7,5	69	109	1/4	5
MBE115	8	75	117	1/4	5
MBE116	8,5	75	117	1/4	5
MBE117	9	81	125	1/4	5
MBE118	9,5	81	125	1/4	5
MBE119	10	87	133	1/4	5



HSS Straight Shank Drills Set Hexagonal Handle (10 PCS)

Jeu de Forets Hexagonaux HSS (10 PCS)

CODE	Ø MEASURES
MBE120	3-3,5-4-4,5-5-6-7-8-9-10

Quick Assembly



Metal



Steel



Lubricant



HSS-CO Straight Shank Drills Hexagonal Handle

Forets Hexagonaux HSS-CO

CODE	Ø	l	L	d	PCS
MBECO100	1,5	18	60	1/4	10
MBECO101	2	24	69	1/4	10
MBECO102	2,5	30	77	1/4	10
MBECO103	3	33	81	1/4	10
MBECO104	3,25	36	85	1/4	10
MBECO105	3,5	39	90	1/4	10
MBECO106	4	43	95	1/4	10
MBECO107	4,25	43	95	1/4	10
MBECO108	4,5	47	100	1/4	10
MBECO109	5	52	106	1/4	10

CODE	Ø	l	L	d	PCS
MBECO110	5,5	57	113	1/4	10
MBECO111	6	57	113	1/4	10
MBECO112	6,5	63	121	1/4	10
MBECO113	7	69	109	1/4	10
MBECO114	7,5	69	109	1/4	5
MBECO115	8	75	117	1/4	5
MBECO116	8,5	75	117	1/4	5
MBECO117	9	81	125	1/4	5
MBECO118	9,5	81	125	1/4	5
MBECO119	10	87	133	1/4	5



HSS-CO Straight Shank Drills Set Hexagonal Handle (10 PCS)

Jeu de Forets Hexagonaux HSS-CO (10 PCS)

CODE	Ø MEASURES
MBECO120	3-3,5-4-4,5-5-6-7-8-9-10

BROCAS CILÍNDRICAS RETIFICADAS LONGAS HSS DIN340N - 135° SPLIT-POINT

HSS STRAIGHT SHANK LONG DRILLS DIN340N - 135° SPLIT-POINT

FORETS CYLINDRIQUES SÉRIE LONGUE HSS DIN340N - 135° SPLIT-POINT

HSS



CODE	Ø	l mm	L mm	PCS
MHSSL001	1,50	45	70	10
MHSSL002	1,75	53	80	10
MHSSL003	2,00	56	85	10
MHSSL004	2,25	59	90	10
MHSSL005	2,50	62	95	10
MHSSL006	2,75	66	100	10
MHSSL007	3,00	66	100	10
MHSSL008	3,25	69	106	10
MHSSL009	3,50	73	112	10
MHSSL010	3,75	73	112	10
MHSSL011	4,00	78	119	10
MHSSL012	4,25	78	119	10
MHSSL013	4,50	82	126	10
MHSSL014	4,75	82	126	10
MHSSL015	5,00	87	132	10
MHSSL016	5,25	87	132	10
MHSSL017	5,50	91	139	10
MHSSL018	5,75	91	139	10
MHSSL019	6,00	91	139	10
MHSSL020	6,25	97	148	10
MHSSL021	6,50	97	148	10
MHSSL022	6,75	97	148	10
MHSSL023	7,00	102	156	10
MHSSL024	7,25	102	156	10
MHSSL025	7,50	102	156	10
MHSSL026	7,75	109	165	10
MHSSL027	8,00	109	165	5
MHSSL028	8,25	109	165	5

CODE	Ø	l mm	L mm	PCS
MHSSL029	8,50	109	165	5
MHSSL030	8,75	115	175	5
MHSSL031	9,00	115	175	5
MHSSL032	9,25	115	175	5
MHSSL033	9,50	115	175	5
MHSSL034	9,75	121	184	5
MHSSL035	10,00	121	184	5
MHSSL036	10,50	121	184	5
MHSSL037	11,00	128	195	5
MHSSL038	11,50	128	195	5
MHSSL039	12,00	134	205	5
MHSSL040	12,50	134	205	5
MHSSL041	13,00	134	205	5
MHSSL042	13,50	140	214	5
MHSSL043	14,00	140	214	5
MHSSL044	14,50	144	220	5
MHSSL045	15,00	144	220	5
MHSSL046	15,50	149	227	5
MHSSL047	16,00	149	227	5
MHSSL048	16,50	154	235	5
MHSSL049	17,00	154	235	5
MHSSL050	17,50	158	241	5
MHSSL051	18,00	158	241	5
MHSSL052	18,50	162	247	5
MHSSL053	19,00	162	247	5
MHSSL054	19,50	166	254	5
MHSSL055	20,00	166	254	5

BROCAS CILÍNDRICAS RETIFICADAS HSS-CO 8% DIN338 - 135° SPLIT-POINT

HSS-CO 8% STRAIGHT SHANK DRILLS DIN338 - 135° SPLIT-POINT

FORETS CYLINDRIQUES RECTIFIÉS HSS-CO 8% DIN338 - 135° - SPLIT-POINT

HSS-CO



HSS-CO
8%



DIN
338



CODE	Ø	l mm	L mm	PCS
MOC001	1,00	12	34	10
MOC002	1,25	16	38	10
MOC003	1,50	18	40	10
MOC004	1,75	22	46	10
MOC005	2,00	24	49	10
MOC006	2,25	27	53	10
MOC007	2,50	30	57	10
MOC008	2,75	33	61	10
MOC009	3,00	33	61	10
MOC010	3,25	36	65	10
MOC011	3,50	39	70	10
MOC012	3,75	39	70	10
MOC013	4,00	43	75	10
MOC014	4,25	43	75	10
MOC015	4,50	47	80	10
MOC016	4,75	47	80	10
MOC017	5,00	52	86	10
MOC018	5,25	52	86	10
MOC019	5,50	57	93	10
MOC020	5,75	57	93	10
MOC021	6,00	57	93	10
MOC022	6,25	63	101	10
MOC023	6,50	63	101	10
MOC024	6,75	69	109	10
MOC025	7,00	69	109	10

CODE	Ø	l mm	L mm	PCS
MOC026	7,25	69	109	10
MOC027	7,50	69	109	10
MOC028	7,75	75	117	10
MOC029	8,00	75	117	10
MOC030	8,25	75	117	10
MOC031	8,50	75	117	10
MOC032	8,75	81	125	10
MOC033	9,00	81	125	10
MOC034	9,25	81	125	10
MOC035	9,50	81	125	10
MOC036	9,75	87	133	10
MOC037	10,00	87	133	5
MOC038	10,25	87	133	5
MOC039	10,50	87	133	5
MOC040	10,75	94	142	5
MOC041	11,00	94	142	5
MOC042	11,25	94	142	5
MOC043	11,50	94	142	5
MOC044	11,75	94	142	5
MOC045	12,00	101	151	5
MOC046	12,25	101	151	5
MOC047	12,50	101	151	5
MOC048	12,75	101	151	5
MOC049	13,00	101	151	5

HSS-CO



HSS-CO 8% Drill Set - Plastic Box

Jeu de Forets HSS-CO 8% en Plastique

CODE	Ø MEASURE
MOC01	1-10 × 0,5 (19 pcs)
MOC02	1-13 × 0,5 (25 pcs)

Empty Plastic Box for Drills Set

Boîtes en Plastique vides pour Jeu de Forets

CODE	Ø MEASURE
MCB200	1-10 × 0,5 (19 pcs)
MCB201	1-13 × 0,5 (25 pcs)

JOGOS, MALAS E EXPOSITORES DE BROCAS RETIFICADAS HSS-CO 8%

HSS-CO 8% DRILLS SETS, CASES AND DISPLAYS

JEUX, COFFRETS ET PRÉSENTOIRS DE FORETS RECTIFIÉS HSS-CO 8%

HSS-CO



Metallic Case Set for HSS-CO 8% Coffret Métallique pour Forets HSS-CO 8%

Composition 170 pcs

10 pcs each/chaque:

1,00 - 1,50 - 2,00 - 2,50 - 3,00 - 3,50 - 4,00 - 4,50
5,00 - 5,50 - 6,00 - 6,50 - 7,00 - 7,50 - 8,00

5 pcs each/chaque:

8,50 - 9,00 - 9,50 - 10,00

CODE

MOC10



Acrylic Display Set for HSS-CO 8% Drills Présentoir en Acrylique pour Forets HSS-CO 8%

Composition 707 pcs

Ø	UN	Ø	UN	Ø	UN	Ø	UN
1,00	50	4,00	90	7,00	10	10,00	7
1,50	50	4,25	30	7,50	10	10,50	6
2,00	50	4,50	30	8,00	10	11,00	6
2,50	50	5,00	30	8,50	10	11,50	7
3,00	60	5,50	20	9,00	10	12,00	7
3,25	60	6,00	20	9,50	10	12,50	7
3,50	50	6,50	10			13,00	7

CODE

MOJ001



Metallic Display Set for HSS-CO 8% Drills Présentoir Métallique pour Forets HSS-CO 8%

Composition 895 pcs

Ø	UN	Ø	UN	Ø	UN	Ø	UN
1,00	20	4,00	100	6,50	20	10,00	20
1,50	20	4,25	50	7,00	20	10,50	5
2,00	20	4,50	50	7,50	10	11,00	5
2,50	50	5,00	100	8,00	20	11,50	5
3,00	100	5,25	30	8,50	10	12,00	10
3,25	50	5,50	50	9,00	10	12,50	5
3,50	50	6,00	50	9,50	10	13,00	5

CODE

MOE2

BROCAS CILÍNDRICAS RETIFICADAS SPEEDMASTER HSS-G DIN338

HSS-G SPEEDMASTER DRILLS

FORETS CYLINDRIQUES RECTIFIÉS HSS-G DIN338 SPEEDMASTER

HSS

Faceta



HSS-G

DIN 338



L mm

CODE	Ø	L mm	L mm	PCS
MTSP001	1,00	12	34	10
MTSP002	1,25	16	38	10
MTSP003	1,50	18	40	10
MTSP004	1,75	22	46	10
MTSP005	2,00	24	49	10
MTSP006	2,25	27	53	10
MTSP007	2,50	30	57	10
MTSP008	2,75	33	61	10
MTSP009	3,00	33	61	10
MTSP010	3,25	36	65	10
MTSP011	3,50	39	70	10
MTSP012	3,75	39	70	10
MTSP013	4,00	43	75	10
MTSP014	4,25	43	75	10
MTSP015	4,50	47	80	10
MTSP016	4,75	47	80	10
MTSP017	5,00	52	86	10
MTSP018	5,25	52	86	10
MTSP019	5,50	57	93	10
MTSP020	5,75	57	93	10
MTSP021	6,00	57	93	10
MTSP022	6,25	63	101	10
MTSP023	6,50	63	101	10
MTSP024	6,75	69	109	10
MTSP025	7,00	69	109	10
MTSP026	7,25	69	109	10
MTSP027	7,50	69	109	5
MTSP028	7,75	75	117	5
MTSP029	8,00	75	117	5
MTSP030	8,25	75	117	5
MTSP031	8,50	75	117	5
MTSP032	8,75	81	125	5
MTSP033	9,00	81	125	5
MTSP034	9,25	81	125	5
MTSP035	9,50	81	125	5
MTSP036	9,75	87	133	5
MTSP037	10,00	87	133	5
MTSP038	10,25	87	133	5
MTSP039	10,50	87	133	5
MTSP040	10,75	94	142	5
MTSP041	11,00	94	142	5
MTSP042	11,25	94	142	5
MTSP043	11,50	94	142	5
MTSP044	11,75	94	142	5
MTSP045	12,00	101	151	5
MTSP046	12,25	101	151	5
MTSP047	12,50	101	151	5
MTSP048	12,75	101	151	5
MTSP049	13,00	101	151	5

Set (Plastic Box)

Jeux (Boîte en Plastique)

CODE	Ø MEASURE
MTSPJ01	1-10 × 0,5 (19 pcs)
MTSPJ02	1-13 × 0,5 (25 pcs)



CODE

MLSP050

Display Line

Ligne d'affichage

Composition 124 pcs

UN	Measure
15	3
15	4
15	5
15	6
15	8
10	3,5
10	4,5
10	5,5
10	6,5
6	10
3	12

Metallic case set

Coffret Métallique

Composition 116 pcs
Measure 1-10 × 0,5

Ø	UN	Ø	UN
1,00	10	5,50	3
1,50	10	6,00	3
2,00	10	6,50	3
2,50	10	7,00	3
3,00	10	7,50	3
3,50	10	8,00	3
4,00	10	8,50	2
4,50	10	9,00	2
5,00	10	9,50	2
		10,00	2



CODE

MTSPJ03

Metallic Display Set

Présentoir Métallique

Composition 168 pcs
Measure 1-13 × 0,5

Ø	UN	Ø	UN
1,00	10	7,00	5
1,50	10	7,50	5
2,00	10	8,00	5
2,50	10	8,50	5
3,00	10	9,00	5
3,50	10	9,50	5
4,00	10	10,00	5
4,50	10	10,50	3
5,00	10	11,00	3
5,50	10	11,50	3
6,00	10	12,00	3
6,50	5	12,50	3
		13,00	3



CODE

MTSPJ04

BROCAS CILÍNDRICA COM PONTA ESCALONADA "STEP" HSS-CO

CYLINDRICAL DRILLS WITH STEPPED TIP "STEP"

FORETS CYLINDRIQUES RECTIFIÉES À POINTE ÉTAGÉE "STEP" HSS

HSS-CO



Metals



SSTL



Plastic

DIN 338



Aluminum



Steel



Wood



NORMAL

STEP

Perfect holes

The special geometry of the step drill bit ($\varnothing \geq 3 \text{ mm}$) permits making holes that are extremely precise in size and perfectly circular in shape.

30% Faster

The STEP+ drill bit is 30% faster than a traditionally sharpened Spiral drill bit

High durability

The STEP+ drill bit guarantees high consistency of performance and prolonged tool life even under intensive use.

Practical, even on round surfaces

The STEP+ never "tears" and the hole is drilled smoothly without generating excessive torque.

Des trous parfaits

La géométrie spéciale et la pointe étagée ($\varnothing \geq 3 \text{ mm}$) permettent d'obtenir des trous extrêmement précis et parfaitement circulaires.

30% PLUS RAPIDE

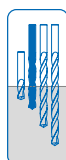
Grâce à la géométrie spéciale et à la pointe étagée, le foret est 30 % plus rapide que les forets conventionnels.

Grande durabilité

Fabriquée en acier HSS AISI M42 de haute qualité, il garantit des performances élevées et constantes ainsi qu'une longue durée de vie, même dans des conditions d'utilisation intensive.

Pratique, même sur les surfaces courbes

La pointe à centrage automatique garantit un perçage facile et parfait, même sur des surfaces courbes.



<5 d



$\varnothing \geq 3 \text{ mm}$



W 27°

CODE	Ø	l mm	L mm	Steps Nr	PCS
MBPE101	1	12	34	-	10
MBPE102	1,5	18	40	-	10
MBPE103	2	24	49	-	10
MBPE104	2,5	30	57	-	10
MBPE105	3	33	61	1	10
MBPE106	3,2	36	65	1	10
MBPE107	3,5	39	70	1	10
MBPE108	4	43	75	1	10
MBPE109	4,2	43	75	2	10
MBPE110	4,5	47	80	2	10
MBPE111	4,8	52	86	2	10
MBPE112	5	52	86	2	10
MBPE113	5,2	52	86	2	10
MBPE114	5,5	57	93	3	10
MBPE115	6	57	93	3	10
MBPE116	6,5	63	101	3	10
MBPE117	7	69	109	4	10
MBPE118	7,5	69	109	4	5
MBPE119	8	75	117	5	5
MBPE120	8,5	75	117	5	5
MBPE121	9	81	125	5	5
MBPE122	9,5	81	125	6	5
MBPE123	10	87	133	6	5
MBPE124	10,5	87	133	7	5
MBPE125	11	94	142	7	5
MBPE126	11,5	94	142	8	5
MBPE127	12	101	151	8	5
MBPE128	12,5	101	151	8	5
MBPE129	13	101	151	8	5



Cylindrical Drills with Stepped Tip "Step" HSS-CO 1-10mm

Jeux de Forets Étagés
Step HSS-CO 1-10mm

Composition 19 pcs

1 to 10 X 0,5 MM

CODE

MBPE150



Cylindrical Drills with Stepped Tip "Step" HSS-CO 1-13mm

Jeux de Forets Étagés
Step HSS-CO 1-13mm

Composition 25 pcs

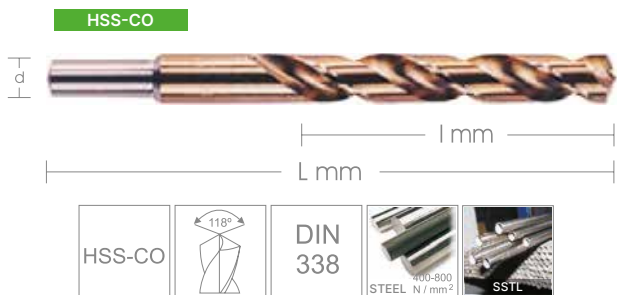
1 to 13 X 0,5 MM

CODE

MBPE151

BROCAS CILÍNDRICAS REBAIXADAS HSS E HSS-CO

HSS AND HSS-CO REDUCED SHANK TWIST DRILLS
FORETS CYLINDRIQUES REDUITE HSS ET HSS-CO



HSS Reduced Shank Twist Drills

Méches Cylindriques Réduit HSS

CODE	Ø	d	l mm	L mm	PCS
MHSSR20	10,50	10,00	87	133	1
MHSSR21	11,00	10,00	94	142	1
MHSSR22	11,50	10,00	94	142	1
MHSSR23	12,00	10,00	101	151	1
MHSSR24	12,50	10,00	101	151	1
MHSSR25	13,00	10,00	101	151	1
MHSSR26	13,50	12,70	108	160	1
MHSSR27	14,00	12,70	108	160	1
MHSSR28	14,50	12,70	114	169	1
MHSSR29	15,00	12,70	114	169	1
MHSSR30	15,50	12,70	120	178	1
MHSSR31	16,00	12,70	120	178	1
MHSSR32	16,50	12,70	125	184	1
MHSSR33	17,00	12,70	125	184	1
MHSSR34	17,50	12,70	130	191	1
MHSSR35	18,00	12,70	130	191	1
MHSSR36	18,50	12,70	135	198	1
MHSSR37	19,00	12,70	135	198	1
MHSSR38	19,50	12,70	140	205	1
MHSSR39	20,00	12,70	140	205	1
MHSSR40	20,50	12,70	145	205	1
MHSSR41	21,00	12,70	145	205	1
MHSSR42	21,50	12,70	150	210	1
MHSSR43	22,00	12,70	150	210	1
MHSSR44	22,50	12,70	150	210	1
MHSSR45	23,00	12,70	150	210	1
MHSSR46	23,50	12,70	160	220	1
MHSSR47	24,00	12,70	160	220	1
MHSSR48	24,50	12,70	160	220	1
MHSSR49	25,00	12,70	160	220	1

HSS-CO Reduced Shank Twist Drills

Méches Cylindriques Réduit HSS-CO

CODE	Ø	d	l mm	L mm	PCS
MOCOR20	10,50	10,00	87	133	1
MOCOR21	11,00	10,00	94	142	1
MOCOR22	11,50	10,00	94	142	1
MOCOR23	12,00	10,00	101	151	1
MOCOR24	12,50	10,00	101	151	1
MOCOR25	13,00	10,00	101	151	1
MOCOR26	13,50	12,70	108	160	1
MOCOR27	14,00	12,70	108	160	1
MOCOR28	14,50	12,70	114	169	1
MOCOR29	15,00	12,70	114	169	1
MOCOR30	15,50	12,70	120	178	1
MOCOR31	16,00	12,70	120	178	1
MOCOR32	16,50	12,70	125	184	1
MOCOR33	17,00	12,70	125	184	1
MOCOR34	17,50	12,70	130	191	1
MOCOR35	18,00	12,70	130	191	1
MOCOR36	18,50	12,70	135	198	1
MOCOR37	19,00	12,70	135	198	1
MOCOR38	19,50	12,70	140	205	1
MOCOR39	20,00	12,70	140	205	1
MOCOR40	20,50	12,70	145	205	1
MOCOR41	21,00	12,70	145	205	1
MOCOR42	21,50	12,70	150	210	1
MOCOR43	22,00	12,70	150	210	1
MOCOR44	22,50	12,70	150	210	1
MOCOR45	23,00	12,70	150	210	1
MOCOR46	23,50	12,70	160	220	1
MOCOR47	24,00	12,70	160	220	1
MOCOR48	24,50	12,70	160	220	1
MOCOR49	25,00	12,70	160	220	1

BROCAS CILÍNDRICAS RETIFICADAS HSS DIN1897 - EXTRA CURTA

HSS STRAIGHT SHANK STUB DRILLS DIN1897

FORETS CYLINDRIQUES SÉRIE EXTRA COURTE HSS DIN1897

HSS



HSS



DIN
1897



CODE	Ø	l mm	L mm	PCS
MHSE01	2,00	12	38	10
MHSE02	2,25	13	40	10
MHSE03	2,50	14	43	10
MHSE04	2,75	16	46	10
MHSE05	3,00	16	46	10
MHSE06	3,25	18	49	10
MHSE07	3,50	20	52	10
MHSE08	3,75	20	52	10
MHSE09	4,00	22	55	10
MHSE10	4,25	22	55	10
MHSE26	4,30	22	55	10
MHSE11	4,50	24	58	10
MHSE12	4,75	24	58	10
MHSE13	5,00	26	62	10
MHSE14	5,25	26	62	10
MHSE15	5,50	28	66	10
MHSE16	5,75	28	66	10
MHSE17	6,00	28	66	10
MHSE18	6,50	31	70	10
MHSE19	7,00	34	74	10
MHSE20	7,50	34	74	5
MHSE21	8,00	37	79	5
MHSE22	8,50	37	79	5
MHSE23	9,00	40	84	5
MHSE24	9,50	40	84	5
MHSE25	10,00	43	89	5
MHSE27	10,50	43	89	5
MHSE28	11,00	47	95	5
MHSE29	11,50	47	95	5
MHSE30	12,00	51	102	5
MHSE31	12,50	51	102	5
MHSE32	13,00	51	102	5



HSS Straight Shank Stub Drills Set - Plastic Box

Jeux de Forets extra-courtes dans une boîte en Plastique

CODE	Ø MEASURE
MHSE91	1-10 × 0,5mm (19 pcs)
MHSE92	1-13 × 0,5mm (25 pcs)

BROCAS COM PONTA EM METAL DURO E METAL DURO INTEGRAL PARA INOX DIN 338

DRILL BITS FOR STAINLESS STEEL WITH CARBIDE TIP OR IN SOLID CARBIDE

FORETS CYLINDRIQUES HSS-CO POUR ACIER INOXYDABLE POINTE CARBURE/CARBURE INTEGRAL

Carbide Tip

Pointe en Metal Dur

CARBIDE



Solid Carbide

Carbure Integral

CARBIDE



Cylindrical Drills with Carbide Tip

Forets Cylindriques avec pointe en Metal Dur

CODE	Ø	l mm	L mm	PCS
MBO200	2,00	24	49	1
MBO202	2,50	30	57	1
MBO204	3,00	33	61	1
MBO206	3,50	39	70	1
MBO208	4,00	43	75	1
MBO210	4,50	47	80	1
MBO212	5,00	52	86	1
MBO214	5,50	57	93	1
MBO216	6,00	57	93	1
MBO218	6,50	63	103	1
MBO220	7,00	69	109	1
MBO222	7,50	69	109	1
MBO224	8,00	75	117	1
MBO226	8,50	75	117	1
MBO228	9,00	81	125	1
MBO230	9,50	81	125	1
MBO232	10,00	87	133	1
MBO234	10,50	94	142	1
MBO236	11,00	94	142	1
MBO238	11,50	94	142	1
MBO240	12,00	101	151	1
MBO242	12,50	101	151	1
MBO244	13,00	101	151	1

Solid Carbide Cylindrical Drills

Forets Cylindriques en Carbure integral

CODE	Ø	l mm	L mm	PCS
MBMD01	1,00	12	34	1
MBMD02	1,25	16	38	1
MBMD03	1,50	18	40	1
MBMD05	2,00	24	49	1
MBMD06	2,25	27	53	1
MBMD07	2,50	30	57	1
MBMD09	3,00	33	61	1
MBMD10	3,25	36	65	1
MBMD11	3,50	39	70	1
MBMD13	4,00	43	75	1
MBMD14	4,25	47	80	1
MBMD15	4,50	47	80	1
MBMD16	4,75	52	86	1
MBMD17	5,00	52	86	1
MBMD18	5,25	52	86	1
MBMD19	5,50	57	93	1
MBMD21	6,00	57	93	1
MBMD23	6,50	63	101	1
MBMD25	7,00	69	109	1
MBMD27	7,50	69	109	1
MBMD29	8,00	75	117	1
MBMD31	8,50	75	117	1
MBMD33	9,00	81	125	1
MBMD35	9,50	81	125	1
MBMD37	10,00	87	133	1
MBMD39	10,50	87	133	1
MBMD41	11,00	94	142	1
MBMD52	11,50	94	142	1
MBMD42	12,00	101	151	1

BROCAS HELICOIDAIS CABO CÓNICO HSS DIN345

HSS MORSE TAPER SHANK DRILLS DIN345

FORETS HÉLICOÏDAUX CÂBLE CONIQUE HSS DIN345

HSS



CODE	Ø	l mm	L mm	cm	PCS
MICON011	10,00	87	168	1	1
MICON013	11,00	94	175	1	1
MICON015	12,00	101	182	1	1
MICON017	13,00	101	182	1	1
MICON018	13,50	108	189	1	1
MICON019	14,00	108	189	1	1
MICON020	14,50	114	212	2	1
MICON021	15,00	114	212	2	1
MICON022	15,50	120	218	2	1
MICON023	16,00	120	218	2	1
MICON024	16,50	125	223	2	1
MICON025	17,00	125	223	2	1
MICON026	17,50	130	228	2	1
MICON027	18,00	130	228	2	1
MICON028	18,50	130	228	2	1
MICON029	19,00	135	233	2	1
MICON030	19,50	140	238	2	1
MICON031	20,00	140	238	2	1
MICON032	20,50	150	248	2	1
MICON033	21,00	150	248	2	1
MICON034	21,50	150	248	2	1
MICON035	22,00	150	248	2	1
MICON036	22,50	155	253	2	1
MICON037	23,00	155	253	2	1
MICON038	23,50	155	276	3	1
MICON039	24,00	160	281	3	1
MICON040	24,50	160	281	3	1
MICON041	25,00	160	281	3	1
MICON042	25,50	165	286	3	1
MICON043	26,00	165	286	3	1
MICON044	26,50	165	286	3	1
MICON045	27,00	170	291	3	1
MICON046	27,50	170	291	3	1
MICON047	28,00	170	291	3	1
MICON048	28,50	175	296	3	1
MICON049	29,00	175	296	3	1
MICON050	29,50	175	296	3	1
MICON051	30,00	175	296	3	1
MICON052	30,50	180	301	3	1
MICON053	31,00	180	301	3	1
MICON054	31,50	180	301	3	1
MICON055	32,00	185	334	4	1
MICON056	32,50	185	334	4	1
MICON057	33,00	185	334	4	1
MICON058	33,50	185	334	4	1
MICON059	34,00	190	339	4	1
MICON060	34,50	190	339	4	1
MICON061	35,00	190	339	4	1

CODE	Ø	l mm	L mm	cm	PCS
MICON062	35,50	190	339	4	1
MICON063	36,00	195	344	4	1
MICON064	36,50	195	344	4	1
MICON065	37,00	195	344	4	1
MICON066	37,50	195	344	4	1
MICON067	38,00	200	349	4	1
MICON068	38,50	200	349	4	1
MICON069	39,00	200	349	4	1
MICON070	39,50	200	349	4	1
MICON071	40,00	205	354	4	1
MICON072	40,50	205	354	4	1
MICON073	41,00	205	354	4	1
MICON074	41,50	205	354	4	1
MICON075	42,00	205	354	4	1
MICON076	42,50	210	359	4	1
MICON077	43,00	210	359	4	1
MICON078	43,50	210	359	4	1
MICON079	44,00	210	359	4	1
MICON080	44,50	210	359	4	1
MICON081	45,00	210	359	4	1
MICON082	45,50	215	364	4	1
MICON083	46,00	215	364	4	1
MICON084	46,50	215	364	4	1
MICON085	47,00	215	364	4	1
MICON086	47,50	215	364	4	1
MICON087	48,00	220	369	4	1
MICON088	48,50	220	369	4	1
MICON089	49,00	220	369	4	1
MICON090	49,50	220	369	4	1
MICON091	50,00	220	369	4	1
MICON092	51,00	225	412	5	1
MICON093	52,00	225	412	5	1
MICON094	53,00	225	412	5	1
MICON095	54,00	230	417	5	1
MICON096	55,00	230	417	5	1
MICON097	56,00	230	417	5	1
MICON098	57,00	235	422	5	1
MICON099	58,00	235	422	5	1
MICON100	59,00	235	422	5	1
MICON101	60,00	235	422	5	1
MICON102	61,00	240	427	5	1
MICON103	62,00	240	427	5	1
MICON104	63,00	240	427	5	1
MICON105	64,00	245	432	5	1
MICON106	65,00	245	432	5	1

Others measures by request

JOGO DE BROCAS HELICOIDAIS CABO CÓNICO HSS DIN345

HSS MORSE TAPER SHANK DRILLS SET DIN345
COFFRET FORETS HÉLICOÏDAUX CÂBLE CONIQUE HSS DIN345

HSS



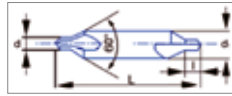
Case Set	
Coffret	
Composition 9 pcs	
Ø	UN
14,00	1
16,00	1
18,00	1
20,00	1
22,00	1
24,00	1
26,00	1
28,00	1
30,00	1

CODE
MICON150

BROCAS DE CENTRAR TIPO A HSS DIN333-A 118°

HSS DOUBLE CENTER DRILLS DIN333-A 118°
FORETS À CENTRER HSS DIN333-A 118°

HSS



HSS



DIN
333A



CODE	Ø d mm		Ø d1 mm	l mm	L mm	PCS
MBSO70	1,00	x	3,15	1,30	31,50	1
MBSO71	1,25	x	3,15	1,60	31,50	1
MBSO72	1,60	x	4,00	2,00	35,50	1
MBSO73	2,00	x	5,00	2,50	40,00	1
MBSO74	2,50	x	6,30	3,10	45,00	1
MBSO75	3,15	x	8,00	3,90	50,00	1
MBSO76	4,00	x	10,00	5,00	56,00	1
MBSO77	5,00	x	12,50	6,30	63,00	1
MBSO78	6,30	x	16,00	8,00	71,00	1

CODE	Ø d mm	Ø d1 mm	l mm	L mm	PCS
MBSO79	10,00	x 25,00	12,80	100,00	1
MBSO80	1,25	x 4,00	1,60	35,50	1
MBSO81	1,60	x 5,00	2,00	40,00	1
MBSO82	2,00	x 6,30	2,50	45,00	1
MBSO83	2,50	x 8,00	3,10	50,00	1
MBSO84	3,15	x 10,00	3,90	56,00	1
MBSO85	4,00	x 12,50	5,00	63,00	1
MBSO86	5,00	x 16,00	6,30	71,00	1
MBSO87	6,30	x 20,00	8,00	80,00	1

BROCAS PARA PONTOS DE SOLDADURA HSS-CO, METAL DURO E TIN

HSS-CO AND TIN DRILLS FOR WELDING SPOTS
FORETS POUR POINTS DE SOUDURE HSS-CO ET TIN

HSS-CO DIN1897

HSS-CO



CODE	Ø	l mm	L mm	PCS
MBSO46	6,00	66	6,00	1
MBSO47	7,00	74	7,00	1
MBSO48	8,00	79	8,00	1
MBSO49	10,00	89	10,00	1

CARBIDE/METAL DURE TIALN

CARBIDE

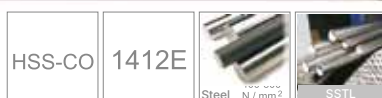


Speed Rotation 10 000 rpm

CODE	Ø	l mm	L mm	PCS
MBSO60	6,50	40	8,00	1
MBSO61	8,00	40	8,00	1
MBSO62	10,00	44	8,00	1

HSS-CO / 1412E

HSS-CO



CODE	Ø	l mm	L mm	PCS
MBSO50	6,50	40	6,50	1
MBSO51	8,00	40	8,00	1
MBSO52	8,00 VARIO	44	8,00	1

HSS-CO + TIN / 1412E

TIN



CODE	Ø	l mm	L mm	PCS
MBSO53	6,50	40	6,50	1
MBSO54	8,00	40	8,00	1
MBSO55	8,00 VARIO	44	8,00	1

BROCAS COMBINADAS DE CABO HEXAGONAIS 1/4" PARA MÁQUINAS PORTÁTEIS HSS-G

HSS-G COMBINED DRILL BITS WITH 1/4" HEXAGONAL DRIVE

FORETS COMBINÉS CÂBLE HEXAGONAL 1/4 » POUR MACHINES PORTABLES HSS-G

HSS

Broca + Macho + Escareador



CODE	Ø	l mm	L mm		PCS
MTX100	3 × 0,50	2,50	36	1/4	1
MTX101	4 × 0,70	3,30	39	1/4	1
MTX102	5 × 0,80	4,20	41	1/4	1
MTX103	6 × 1,00	5,00	44	1/4	1
MTX104	8 × 1,25	6,80	50	1/4	1
MTX105	10 × 1,50	8,50	59	1/4	1



Plastic Box Drills Set

Jeux de Forets Boîte en Plastique

CODE	Ø Measure
MTX201	M3-M4-M5-M6-M8-M10 1 Magnetic Screwdriver 1/4

BROCAS DE CABO HEXAGONAIS 1/4" PARA MÁQUINAS PORTÁTEIS HSS-G

HSS-G DRILL BITS WITH 1/4" HEXAGONAL DRIVE FOR PORTABLE MACHINES

FORETS MÈCHE À 1/4" TIGE HEXAGONALE EN HSS-G POUR MACHINES PORTATIVES

HSS



CODE	Ø	l mm	L mm	Ø	PCS
MTX001	1,00	7	32	1/4	1
MTX002	1,50	10	32	1/4	1
MTX003	2,00	12	34	1/4	1
MTX004	2,50 (M3)	14	36	1/4	1
MTX005	3,00	16	38	1/4	1
MTX006	3,30 (M4)	18	40	1/4	1
MTX007	3,50	18	40	1/4	1
MTX008	4,00	20	44	1/4	1
MTX009	4,20 (M5)	20	45	1/4	1
MTX010	4,50	24	46	1/4	1
MTX011	5,00 (M6)	26	50	1/4	1
MTX012	5,50	26	50	1/4	1
MTX013	6,00	26	50	1/4	1
MTX014	6,50	30	50	1/4	1
MTX015	6,80 (M8)	30	50	1/4	1
MTX016	7,00	30	50	1/4	1
MTX017	7,50	32	51	1/4	1
MTX018	8,00	32	51	1/4	1
MTX019	8,50 (M10)	33	53	1/4	1
MTX020	9,00	33	53	1/4	1
MTX021	9,50	38	54	1/4	1
MTX022	10,00	38	54	1/4	1
MTX023	10,20 (M12)	38	54	1/4	1



Plastic Box Drills Set

Jeux de Forets Boîte en Plastique

CODE	Ø Measure
MTX200	1-10,5 × 0,5 (19 pcs)

BURIS REDONDOS E QUADRADOS HSS-CO 10%

HSS-CO 10% ROUND AND SQUARE TURNING BLADES

BURINS ROUNDS ET CARRÉS HSS-CO 10%

HSS-CO



HSS-CO



Round Turning Blade Shape A - DIN4964 - H8 10° CO

Burins Ronds Forme A - DIN4964 - H8 10° CO

CODE	d mm - L mm	PCS
MY0001	3 × 100	1
MY0002	3 × 150	1
MY0003	4 × 80	1
MY0004	4 × 100	1
MY0005	4 × 150	1
MY0006	4 × 200	1
MY0007	5 × 80	1
MY0008	5 × 100	1
MY0009	5 × 150	1
MY0010	5 × 200	1
MY0011	6 × 80	1
MY0012	6 × 100	1
MY0013	6 × 150	1
MY0014	6 × 200	1
MY0078	7 × 200	1
MY0015	8 × 100	1
MY0016	8 × 150	1
MY0017	8 × 200	1
MY0018	10 × 100	1
MY0019	10 × 150	1
MY0020	10 × 200	1
MY0021	12 × 100	1
MY0022	12 × 150	1
MY0023	12 × 200	1
MY0035	14 × 100	1
MY0024	14 × 150	1
MY0025	14 × 200	1
MY0036	16 × 100	1
MY0026	16 × 150	1
MY0027	16 × 200	1
MY0037	16 × 250	1
MY0028	18 × 150	1
MY0029	18 × 200	1
MY0030	20 × 150	1
MY0031	20 × 200	1
MY0038	22 × 200	1
MY0032	25 × 150	1
MY0033	25 × 200	1
MY0034	30 × 200	1

Square Turning Blade Shape B - DIN4964 - 10° CO

Burins Carrés Forme B - DIN4964 - 10° CO

CODE	x 25 d mm - B mm - L mm	PCS
MY0039	4 × 4 × 80	1
MY0040	4 × 4 × 100	1
MY0041	4 × 4 × 150	1
MY0042	4 × 4 × 200	1
MY0043	5 × 5 × 80	1
MY0044	5 × 5 × 100	1
MY0045	5 × 5 × 150	1
MY0046	5 × 5 × 200	1
MY0047	6 × 6 × 80	1
MY0048	6 × 6 × 100	1
MY0049	6 × 6 × 150	1
MY0050	6 × 6 × 200	1
MY0051	8 × 8 × 100	1
MY0052	8 × 8 × 150	1
MY0053	8 × 8 × 200	1
MY0054	10 × 10 × 100	1
MY0055	10 × 10 × 150	1
MY0056	10 × 10 × 200	1
MY0057	12 × 12 × 100	1
MY0058	12 × 12 × 150	1
MY0059	12 × 12 × 200	1
MY0060	14 × 14 × 100	1
MY0074	14 × 14 × 150	1
MY0061	14 × 14 × 200	1
MY0062	16 × 16 × 100	1
MY0063	16 × 16 × 150	1
MY0073	16 × 16 × 200	1
MY0064	18 × 18 × 150	1
MY0065	18 × 18 × 200	1
MY0066	20 × 20 × 150	1
MY0067	20 × 20 × 200	1
MY0068	25 × 25 × 150	1
MY0069	25 × 25 × 200	1
MY0070	30 × 30 × 200	1
MY0071	32 × 32 × 200	1
MY0072	35 × 35 × 200	1
MY0075	35 × 35 × 250	1

BURIS REDONDOS EM METAL DURO K10

CARBIDE K10 ROUND TURNING BLADES

BURINS RONDE EN CARBURE K10

CARBIDE



CODE	Ø mm	L mm	PCS
MY0310	3	x 100	1
MY0300	4	x 100	1
MY0309	5	x 100	1
MY0301	6	x 100	1
MY0302	8	x 100	1
MY0303	10	x 100	1
MY0304	12	x 100	1
MY0305	14	x 100	1
MY0306	16	x 100	1
MY0307	18	x 100	1
MY0308	20	x 100	1

BURIS RETANGULARES - FORMA D - DIN4964 - HSS-CO 10%

RECTANGULAR TURNING BLADES - FORM D - DIN4964 - HSS-CO 10%

BURINS DE TOUR RECTANGULAIRE EN HSS-CO 10% DIN4964

HSS-CO



CODE	B mm	H mm	L mm	PCS
MY0080	8	x 4	x 160	1
MY0081	8	x 4	x 200	1
MY0082	8	x 6	x 150	1
MY0083	8	x 6	x 200	1
MY0138	10	x 3	x 200	1
MY0084	10	x 6	x 150	1
MY0085	10	x 6	x 200	1
MY0086	10	x 8	x 160	1
MY0087	10	x 8	x 200	1
MY0139	12	x 3	x 200	1
MY0088	12	x 6	x 150	1
MY0089	12	x 6	x 200	1
MY0090	12	x 8	x 150	1
MY0091	12	x 8	x 200	1
MY0092	12	x 10	x 150	1
MY0093	12	x 10	x 200	1
MY0094	14	x 8	x 200	1
MY0095	14	x 10	x 160	1
MY0096	14	x 10	x 200	1
MY0097	14	x 12	x 160	1
MY0098	14	x 12	x 200	1
MY0099	15	x 10	x 200	1
MY0100	16	x 8	x 150	1
MY0101	16	x 8	x 200	1
MY0102	16	x 10	x 150	1
MY0103	16	x 10	x 200	1
MY0104	16	x 12	x 150	1
MY0105	16	x 12	x 200	1
MY0106	18	x 6	x 160	1
MY0107	18	x 6	x 200	1
MY0144	18	x 10	x 200	1

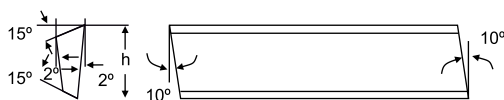
CODE	B mm	H mm	L mm	PCS
MY0137	20	x 5	x 150	1
MY0108	20	x 8	x 150	1
MY0109	20	x 8	x 200	1
MY0110	20	x 10	x 150	1
MY0111	20	x 10	x 200	1
MY0112	20	x 12	x 150	1
MY0113	20	x 12	x 200	1
MY0114	20	x 16	x 150	1
MY0115	20	x 16	x 200	1
MY0116	25	x 10	x 150	1
MY0117	25	x 10	x 200	1
MY0118	25	x 12	x 150	1
MY0119	25	x 12	x 200	1
MY0120	25	x 16	x 160	1
MY0121	25	x 16	x 200	1
MY0122	25	x 20	x 160	1
MY0123	25	x 20	x 200	1
MY0141	30	x 10	x 200	1
MY0124	30	x 12	x 150	1
MY0125	30	x 12	x 200	1
MY0126	30	x 20	x 200	1
MY0127	32	x 16	x 160	1
MY0128	32	x 16	x 200	1
MY0132	35	x 12	x 200	1
MY0129	40	x 10	x 160	1
MY0130	40	x 10	x 200	1
MY0131	40	x 12	x 200	1
MY0133	45	x 12	x 200	1
MY0135	50	x 10	x 200	1
MY0134	50	x 12	x 200	1
MY0136	55	x 12	x 200	1

LÂMINAS FORMA "L1" HSS-CO 10%

SHAPE "L1" TURNING BLADES

LAMES FORME « L1 » HSS-CO 10%

HSS-CO



Shape "L1" Turning Blade 10° CO

Lame Forme "L1" 10° CO

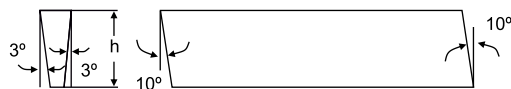
CODE	B mm	H mm	L mm	PCS
MW059	10	x 3	x 200	1
MW034	12	x 3	x 120	1
MW035	12	x 3	x 160	1
MW107	12	x 3,5	x 200	1
MW036	12	x 4	x 120	1
MW037	12	x 4	x 160	1
MW038	12	x 5	x 120	1
MW039	12	x 5	x 160	1
MW100	15	x 3	x 100	1
MW106	15	x 3	x 200	1
MW040	16	x 3	x 120	1
MW041	16	x 3	x 160	1
MW108	16	x 3	x 200	1
MW042	16	x 4	x 120	1
MW043	16	x 4	x 160	1
MW044	16	x 6	x 120	1
MW045	16	x 6	x 160	1
MW110	16	x 8	x 200	1
MW101	17	x 3	x 125	1
MW102	17	x 3,5	x 125	1
MW201	18	x 3	x 120	1
MW109	18	x 3	x 200	1
MW103	18	x 3,5	x 125	1
MW046	18	x 4	x 120	1
MW047	18	x 4	x 160	1
MW057	18	x 4	x 200	1
MW048	19	x 3,5	x 125	1
MW203	20	x 3	x 100	1
MW049	20	x 3	x 125	1
MW050	20	x 3	x 160	1
MW056	20	x 3	x 200	1
MW032	20	3,5	125	1
MW051	20	4	120	1
MW052	20	4	160	1
MW058	20	4	200	1
MW033	20	5	160	1
MW202	20	5	200	1
MW104	22	3	120	1
MW111	25	3	120	1
MW112	25	4	125	1
MW053	25	4	150	1
MW054	25	6	120	1
MW055	25	6	160	1

LÂMINAS FORMA "E" HSS-CO 10%

SHAPE "E" TURNING BLADES

LAMES FORME « E » HSS-CO 10%

HSS-CO



Shape "E" Turning Blade - DIN4964 - H8 10° CO

Lame Forme "E" - DIN4964 - H8 10° CO

CODE	B mm		H mm		L mm	PCS
MW001	12	x	3	x	100	1
MW002	12	x	3	x	160	1
MW003	12	x	3	x	200	1
MW004	12	x	5	x	100	1
MW005	12	x	5	x	160	1
MW006	12	x	5	x	200	1
MW007	16	x	4	x	100	1
MW008	16	x	4	x	160	1
MW009	16	x	4	x	200	1
MW010	18	x	3	x	100	1
MW011	18	x	3	x	160	1
MW012	18	x	3	x	200	1
MW013	18	x	4	x	100	1
MW014	18	x	4	x	150	1
MW015	18	x	4	x	200	1
MW016	18	x	6	x	100	1
MW017	18	x	6	x	160	1
MW018	18	x	6	x	200	1
MW019	20	x	3	x	100	1
MW020	20	x	3	x	150	1
MW021	20	x	3	x	200	1
MW022	20	x	4	x	100	1
MW023	20	x	4	x	160	1
MW024	20	x	4	x	200	1
MW025	20	x	5	x	100	1
MW026	20	x	5	x	160	1
MW027	20	x	5	x	200	1
MW200	22	x	4	x	120	1
MW028	25	x	6	x	100	1
MW029	25	x	6	x	160	1
MW030	25	x	6	x	200	1

SUPORTE PARA LÂMINA SANGRAR

BLADE SUPPORT

SUPPORT DE LAME



CODE	Measure	PCS
MWS01	12 mm	1
MWS02	16 mm	1
MWS03	20 mm	1

DISCOS ABRASIVOS DE CORTE E REBARBAR **TOP LINE**

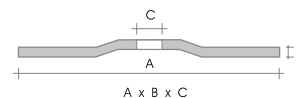
CUTTING AND GRINDING ABRASIVE DISCS TOP LINE

DISQUES ABRASIFS DE COUPE ET DE MEULAGE TOP LINE

Steel Cutting

Coupe de Fer

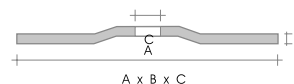
CODE	A	x	B	x	C	R. P. M. Maximum Speed	PCS
MDT002	115	x	3	x	22	13000	50
MDT003	125	x	3	x	22	12000	50
MDT004	180	x	3,2	x	22	8500	25
MDT005	230	x	3,2	x	22	6500	25



Grinding

Ébavurage

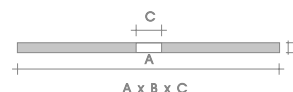
CODE	A	x	B	x	C	R. P. M. Maximum Speed	PCS
MDT021	115	x	6	x	22	13000	50
MDT022	125	x	6	x	22	12000	50
MDT023	150	x	6	x	22	10000	50
MDT024	180	x	7	x	22	8500	25
MDT025	230	x	6	x	22	6500	25



Stainless Steel Cutting

Coupe en Acier Inoxydable

CODE	A	x	B	x	C	R. P. M. Maximum Speed	PCS
MDT030	115	x	1	x	22	13000	50
MDT031	115	x	1,6	x	22	13000	50
MDT032	115	x	2	x	22	13000	50
MDT033	115	x	3	x	22	13000	50
MDT034	125	x	1	x	22	12000	50
MDT035	125	x	1,2	x	22	12000	50
MDT036	125	x	1,6	x	22	12000	50
MDT037	125	x	3	x	22	12000	50
MDT038	180	x	1,6	x	22	8500	50
MDT039	180	x	2	x	22	8500	25
MDT040	180	x	3	x	22	8500	25
MDT041	230	x	2	x	22	6500	25
MDT042	230	x	3	x	22	6500	25



DISCOS ABRASIVOS DE CORTE E REBARBAR PREMIUM

CUTTING AND GRINDING ABRASIVE DISCS PREMIUM

DISQUES ABRASIFS DE COUPE ET DE MEULAGE PREMIUM

Steel Cutting

Coupe de Fer

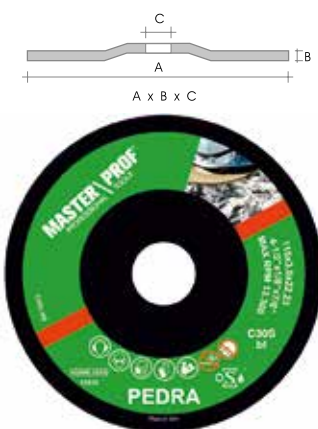
CODE	A	x	B	x	C	R. P. M. Maximum Speed	PCS
MD002	115	x	3	x	22	13000	50
MD003	125	x	3	x	22	12000	50
MD004	180	x	3,2	x	22	8500	25
MD005	230	x	3,2	x	22	6600	25
MD006	300	x	3,2	x	25,4	5000	25
MD008	300	x	3,2	x	30	5000	25
MD007	350	x	3,5	x	25,4	4000	10
MD009	350	x	3,5	x	30	4000	10



Stone cutting

Coupe de Pierre

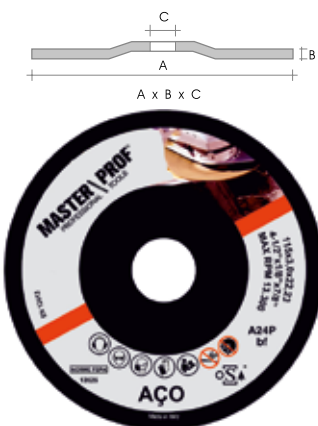
CODE	A	x	B	x	C	R. P. M. Maximum Speed	PCS
MD011	115	x	3	x	22	13000	50
MD012	125	x	3	x	22	12000	50
MD013	180	x	3,2	x	22	8500	25
MD014	230	x	3,2	x	22	6600	25
MD015	300	x	3,2	x	25,4	5000	25
MD016	300	x	3,2	x	30	5000	25



Grinding

Ébavurage

CODE	A	x	B	x	C	R. P. M. Maximum Speed	PCS
MD021	115	x	6	x	22	13000	50
MD022	125	x	6	x	22	12000	50
MD042	150	x	6	x	22	10000	50
MD023	180	x	7	x	22	8500	25
MD025	230	x	6	x	22	5000	25



Stainless Steel Cutting

Coupe en Acier Inoxydable

CODE	A	x	B	x	C	R. P. M. Maximum Speed	PCS
MD030	115	x	1	x	22	13000	50
MD031	115	x	1,6	x	22	13000	50
MD032	115	x	2	x	22	13000	50
MD033	115	x	3	x	22	13000	50
MD040	125	x	1	x	22	12000	50
MD043	125	x	1,2	x	22	12000	50
MD034	125	x	1,6	x	22	12000	50
MD035	125	x	3	x	22	12000	50
MD041	180	x	1,6	x	22	8500	50
MD036	180	x	2	x	22	8500	25
MD037	180	x	3	x	22	8500	25
MD038	230	x	2	x	22	6600	25
MD039	230	x	3	x	22	6600	25



DISCOS ABRASIVOS DE REBARBAR E POLIR PARA INOX

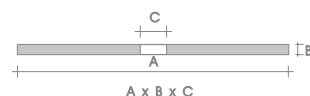
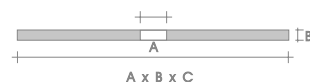
GRINDING AND POLISHING ABRASIVE DISCS FOR STAINLESS STEEL

DISQUES ABRASIFS D'ÉBAVURAGE ET DE POLISSAGE POUR L'ACIER INOXYDABLE

Stainless Steel Grinding

Ébavurage de l'acier Inoxydable

CODE	A	x	B	x	C	R. P. M. Maximum Speed	PCS
MD050	115	x	6	x	22	13300	50
MD051	125	x	6	x	22	12250	50
MD052	180	x	7	x	22	8500	25
MD053	230	x	6	x	22	6650	25



Compress Disc

Disque Compressé

CODE	A	x	B	x	C	Grain	R. P. M. Maximum Speed	PCS	
MD110	SL-2SF	115	x	12,5	x	22	2	11000	10
MD111	CA-3SF	115	x	12,5	x	22	3	11000	10



115 - SL PCS Flat parts 115

115 - CA PCS Angled Parts

Special Disc for deburring, polishing, finishing, removing imperfections on all types of metal (stainless steel, steel, titanium, aluminum, wood and plastic).

Weld Polishing and grinding: stainless steel compression discs are prepared for an excellent surface finish and material removal, as well as angular parts and grooves that are difficult to access.



Acrylic Display Set

Présentoir en Acrylique

Composition 1200 disques

Type of disc	Diameter	x	Thickness.	UN
Iron Cutting	125	x	33	100
Iron Cutting	125	x	3,2	50
Iron Cutting	180	x	3,2	50
Iron Cutting	230	x	3,2	100
Iron Cutting	300	x	3	25
Stone Cutting	115	x	3	50
Stone Cutting	125	x	3	50
Stone Cutting	180	x	3	25
Stone Cutting	230	x	3	25
Grinding	115	x	6	100
Grinding	125	x	6	50
Grinding	180	x	7	200
Grinding	230	x	6	25
SSTL Cutting	115	x	1	200
SSTL Cutting	115	x	2	50
SSTL Cutting	125	x	1,6	50
SSTL Cutting	180	x	2	25
SSTL Cutting	230	x	2	25

DISPLAY OFFER

CODE

MDJ001

LAMELAS

FLAP DISCS

DISQUES À LAMELLES

Master Line Zircónio - Linha Económica

Master Line Zirconium - Ligne Économique

CODE	A	x	C	Grain	R. P. M. Maximum Speed	PCS
MDLAM001	115	x	22	40	10500	10
MDLAM002	115	x	22	60	10500	10
MDLAM003	115	x	22	80	10500	10
MDLAM004	115	x	22	120	10500	10
MDLAM010	125	x	22	40	9650	10
MDLAM011	125	x	22	60	9650	10
MDLAM012	125	x	22	80	9650	10
MDLAM013	125	x	22	120	9650	10

Other measures on request

- Ideal for steel applications, wood and non-ferrous metal
- Fast cutting and excellent material removal performance.



Steel



Master Top Line Zirconium

Master Top Line Zirconium - Haute Gamme

CODE	A	x	C	Grain	R. P. M. Maximum Speed	PCS
MDLAM101	115	x	22	40	10500	10
MDLAM102	115	x	22	60	10500	10
MDLAM103	115	x	22	80	10500	10
MDLAM104	115	x	22	120	10500	10
MDLAM110	125	x	22	40	9650	10
MDLAM111	125	x	22	60	9650	10
MDLAM112	125	x	22	80	9650	10
MDLAM113	125	x	22	120	9650	10

Other measures on request

- Versatile product for grinding and grinding steel and stainless steel
- Constant and lasting performance
- Low vibration and noise



SSTL



Master Ceramic (Double Flap)

Ceramic Master (Double Lame)

CODE	A	x	C	Grain	R. P. M. Maximum Speed	PCS
MDLAM201	115	x	22	40	10500	10
MDLAM202	115	x	22	60	10500	10
MDLAM210	125	x	22	40	9650	10
MDLAM211	125	x	22	60	9650	10

Other measures on request

- Excellent performance on forged steel and alloy steel.
- Long durability.



SSTL



Master Aluminum

Master Aluminium

CODE	A	x	C	Grain	R. P. M. Maximum Speed	PCS
MDLAM220	115	x	22	40	10500	10
MDLAM221	115	x	22	60	10500	10
MDLAM222	115	x	22	80	10500	10

- Allows work in aluminum with excellent performance.
- Ideal for copper, zinc, titanium, cobalt, wood applications and composite materials like carbon fiber.



Aluminum



LAMELAS, FOLHAS DE ESFREGÃO E ROLOS DE ESFREGÃO

FLAP DISCS, MOP SHEETS AND MOP ROLLERS
LAMELLES, FEUILLES DE MOP ET ROULEAUX DE MOP

Flap Disc - Fiberglass support for stainless steel

Support en Fibre de Verre pour l'acier Inoxydable

CODE	A	x	C	Grain	Hole	PCS
MDLAM123	115	x	22	Thin	20	10

- Non-woven fabric Flap Discs
- Disques à lamelles mixtes en tissu abrasif et en tissu non tissé.

TNT



Flap Discs - Fiberglass support for mixed stainless steel

Support en Fibre de Verre pour Acier Inoxydable mixte

CODE	A	x	C	Grain	Hole	PCS
MDLAM124	115	x	22	Medium	20	10

- Mixed Flap Discs in abrasive cloth and non-woven fabric
- Disques à lamelles mixtes en tissu abrasif et en tissu non tissé.

TNT
TELA



Mop sheets

Feuilles de Vadrouille

CODE	Dimensão	Tipo	PCS
MD120	115 x 280	Very Thin / Red	10
MD121	115 x 280	Ultra Thin / Gray	10
MD119	120 x 280	Thin / Green	10



Vermelho (Very Thin)

- General use for cleaning metals and plastics (aluminium silicate).
- Utilisation générale pour le nettoyage des métaux et des plastiques (silicate d'aluminium)

Gray (Ultra Thin)

- General use (silicon carbide).
- Usage général (carbure de silicium).

Green (Thin)

- General use (silicon carbide).
- Usage général (carbure de silicium).

Mop Rollers

Rouleaux de Vadrouille

CODE	Dimensão	Tipo	PCS
MD122	115 x 10 mts	Very Thin / Red	1
MD123	115 x 10 mts	Ultra Thin / Gray	1
MD124	115 x 10 mts	Thin / Green	1

Vermelho (Muito fino)

- General use for cleaning metals and plastics (silicon carbide).
- Utilisation générale pour le nettoyage des métaux et des plastiques (carbure de silicium)

Gray (Ultra Thin)

- General use (silicon carbide).
- Usage général (carbure de silicium).

Green (Thin)

- General use (silicon carbide).
- Usage général (carbure de silicium).



ESCAREADORES HSS-CO E TITÂNIO

HSS-CO AND TIN COATED COUNTERSINKS
ALÉSOIRS HSS-CO ET EN TITANE

HSS-CO 3 Channels Countersink, 90° Angle - DIN335C

Alésoirs à 3 canaux, angle de 90° en HSS-CO - DIN335C

CODE	Ø Nominal	Capacity Min	Capacity Max	Length	Handle	PCS
ESCO01	4,30	1,30	- 4,00	40	4	1
ESCO02	5,30	1,50	- 4,80	40	4	1
ESCO03	6,30	1,50	- 5,80	45	5	1
ESCO04	7,30	1,80	- 6,80	50	6	1
ESCO05	8,30	2,00	- 7,80	50	6	1
ESCO06	9,40	2,20	- 8,90	50	6	1
ESCO07	10,40	3,00	- 9,70	50	6	1
ESCO08	12,40	3,20	- 12,00	56	8	1
ESCO09	15,00	3,50	- 15,00	60	10	1
ESCO10	16,50	3,60	- 16,00	60	10	1
ESCO15	19,00	3,50	- 19,00	63	10	1
ESCO11	20,50	3,50	- 20,00	63	10	1
ESCO16	23,00	3,80	- 23,00	67	10	1
ESCO12	25,00	4,50	- 24,00	67	10	1
ESCO13	28,00	4,00	- 27,50	71	12	1
ESCO14	31,00	5,00	- 30,00	71	12	1



Metallic Box Set Jeu en Boîte Métallique	
Composition 6 pcs	
Ø	UN
6,30	1
8,30	1
10,40	1
12,40	1
16,50	1
20,50	1

CODE
ESJO01

HSS-CO/ Titanium 3 Channels Countersink, 90° Angle - DIN335C

Alésoirs à 3 canaux, angle de 90° en HSS-CO / Titane - DIN335C

CODE	Ø Nominal	Capacity Min	Capacity Max	Length	Handle	PCS
ESTI01	4,30	1,30	- 4,00	40	4	1
ESTI02	5,30	1,50	- 4,80	40	4	1
ESTI03	6,30	1,50	- 5,80	45	5	1
ESTI04	7,30	1,80	- 6,80	50	6	1
ESTI05	8,30	2,00	- 7,80	50	6	1
ESTI06	9,40	2,20	- 8,90	50	6	1
ESTI07	10,40	3,00	- 9,70	50	6	1
ESTI08	12,40	3,20	- 12,00	56	8	1
ESTI09	15,00	3,50	- 15,00	60	10	1
ESTI10	16,50	3,60	- 16,00	60	10	1
ESTI15	19,00	3,50	- 19,00	63	10	1
ESTI11	20,50	3,50	- 20,00	63	10	1
ESTI16	23,00	3,80	- 23,00	67	10	1
ESTI12	25,00	4,50	- 24,00	67	10	1
ESTI13	28,00	4,00	- 27,50	71	12	1
ESTI14	31,00	5,00	- 30,00	71	12	1



Metallic Box Set Jeu en Boîte Métallique	
Composition 6 pcs	
Ø	UN
6,30	1
8,30	1
10,40	1
12,40	1
16,50	1
20,50	1

CODE
ESJT01

Countersink with hole, 90° Angle HSS-CO

Alésoirs HSS-CO, angle de 90

CODE	Ø Nominal	Capacity Min	Capacity Max	Length	Handle	PCS
ESCF01	10,00	2,00	- 5,00	45	6	1
ESCF02	14,00	5,00	- 10,00	48	8	1
ESCF03	20,00	10,00	- 15,00	65	10	1
ESCF04	27,00	15,00	- 20,00	86	12	1
ESCF05	30,00	20,00	- 25,00	102	15	1
ESCF06	35,00	25,00	- 30,00	115	15	1
ESCF07	40,00	30,00	- 35,00	127	15	1
ESCF08	45,00	35,00	- 40,00	136	15	1
ESCF09	50,00	40,00	- 50,00	166	20	1



Metallic Box Set Jeu en Boîte Métallique	
Composition 4 pcs	
Ø	UN
2 - 5	1
5 - 10	1
10 - 15	1
15 - 20	1

CODE
ESCFJ01

ESCAREADORES 90° TOPLINE HSS-CO E HSS-TIN

HSS-CO AND HSS-TIN 90° TOPLINE COUNTERSINKS

ALÉSOIRS 90° TOPLINE HSS-CO ET HSS-TIN

Cut Channels with new Geometry
Nouvelle Géométrie dans le canaux de coupe

Equivalent graduation preventing uneven wear on blades
Graduation équivalente empêchant l'usure inégale des lames

Optimized roughing Process
Processus d'ébauche optimisé

Fully designed to prevent rotation and enhance work on drill chuck
D'ébauche optimisée très grande concentricité et effort physique réduit

High Performance
Haute Performance

High resistance and hardening to ensure durability
Haute résistance et durcissement assurer grande durabilité

RotaStop Patented Cable
Câble Breveté RotaStop

Fully designed to prevent rotation and enhance work on drill chuck
Entièrement conçu pour empêcher la rotation dans le mandrins et améliorer le travail






Advantages
Avantages

- + 50% Durability**
Durabilité
- + 25% Speed**
Vitesse
- + Ease of carrying out work**
Facilité de Réalisation des travaux
- + Better finishing**
Meilleure finition

HSS-CO






Countersinks 90°, 3 Reamers HSS-CO - DIN335C

Alésoirs à 3 canaux, angle de 90° en HSS-CO - DIN335C

CODE						PCS
ESTOP50	6,30	45	5	1,5	M 3	1
ESTOP51	8,30	50	6	2,0	M 4	1
ESTOP52	10,40	50	6	2,5	M 5	1
ESTOP53	12,40	56	8	2,8	M 6	1
ESTOP54	15,00	60	10	3,2	M 8	1
ESTOP55	16,50	60	10	3,2	M 8	1
ESTOP56	19,00	63	10	3,5	M 10	1
ESTOP57	20,50	63	10	3,5	M 10	1
ESTOP58	23,00	67	10	3,8	M 12	1
ESTOP59	25,00	67	10	3,8	M 12	1
ESTOP60	31,00	71	12	4,2	M 16	1



HSS-TIN

CODE						PCS
ESTOP01	6,30	45	5	1,5	M 3	1
ESTOP02	8,30	50	6	2,0	M 4	1
ESTOP03	10,40	50	6	2,5	M 5	1
ESTOP04	12,40	56	8	2,8	M 6	1
ESTOP05	15,00	60	10	3,2	M 8	1
ESTOP06	16,50	60	10	3,2	M 8	1
ESTOP07	19,00	63	10	3,5	M 10	1
ESTOP08	20,50	63	10	3,5	M 10	1
ESTOP09	23,00	67	10	3,8	M 12	1
ESTOP10	25,00	67	10	3,8	M 12	1
ESTOP11	31,00	71	12	4,2	M 16	1

JOGOS DE ESCAREADORES 90° TOPLINE HSS-CO E HSS-TIN

HSS-CO AND HSS-TIN 90° TOPLINE COUNTERSINKS SETS

JEUX ALÉSOIRS 90° TOPLINE HSS-CO ET HSS-TIN

HSS-CO



HSS-CO Set - Plastic Box

Jeu HSS-CO en Boîte Plastique

Composition 6 pcs

Ø	UN
6,30	1
8,30	1
10,40	1
12,40	1
16,50	1
20,50	1

CODE

ESTOP70

Composition 5 pcs

Ø	UN
6,30	1
10,40	1
16,50	1
20,50	1
25,00	1

CODE

ESTOP71

TIN



HSS-TIN Set - Plastic Box

Jeu HSS-TIN en Boîte Plastique

Composition 6 pcs

Ø	UN
6,30	1
8,30	1
10,40	1
12,40	1
16,50	1
20,50	1

CODE

ESTOP30

Composition 5 pcs

Ø	UN
6,30	1
10,40	1
16,50	1
20,50	1
25,00	1

CODE

ESTOP31

With patented Shank ROTASTOP DIN335-C.

Due to the optimized grinding process, the new generation of MASTER-PROF countersinks guarantees a cutting process up to 25% faster with a lifespan optimization of approximately 50%. The ROTASTOP (Patented) was completely designed to avoid rotation in the bushing and to enhance the work. It guarantees the best results, faster cutting processes and reduces costs.

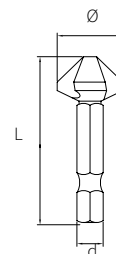
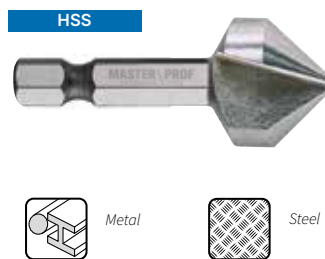
Avec câble breveté ROTASTOP DIN335-C.

Grâce au processus de meulage optimisé, la nouvelle génération d'alésoirs MASTER-PROF garantit un processus de coupe pouvant atteindre 25 % plus rapide avec une optimisation de la durée de vie d'environ 50 %. Le câble ROTASTOP (breveté) a été entièrement conçu pour éviter la rotation dans la douille et optimiser le travail.

ESCAREADORES DE 90° CABO HEXAGONAL HSS E ANTIVIBRAÇÃO HSS-CO

HSS AND HSS-CO 8% COUNTERSINKS ANTIVIBRATION HEXAGONAL HANDLE

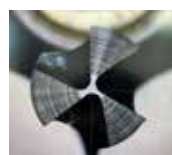
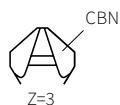
ALÉSOIRS 90° CÂBLE HEXAGONALE HSS ET ANTI-VIBRATION HSS-CO



Countersinks Hexagonal Handle- E6.3

Alésoir Hexagonal pour Câble 1/4 - E6.3

CODE	Ø	L	D	d
ESCO80	6,3	40	1/4	M 3
ESCO81	8,3	45	1/4	M 4
ESCO82	10,4	47	1/4	M 5
ESCO83	12,4	49	1/4	M 6
ESCO84	16,5	52	1/4	M 8
ESCO85	20,5	55	1/4	M 10



3Z Anti-Vibration Countersink with Alternating Helix HSS-CO

Alésoir anti-vibration 3Z avec Hélice Alternée HSS-CO

CODE	Ø	L	D-	d
ESCOA01	6,3	45	1,5	5
ESCOA02	8,3	50	2	6
ESCOA03	10,4	50	2,5	6
ESCOA04	12,4	56	2,80	8
ESCOA05	15,0	60	3,20	10
ESCOA06	16,5	60	3,20	10
ESCOA07	20,5	63	3,50	10
ESCOA08	25,0	67	3,80	10
ESCOA09	31,0	71	4,20	12



FRESAS ESCALONADAS EM HSS E TIN

STEP DRILLS

FRAISE-ESCALIERS

HSS

HSS-G for Holes in Sheet Metal and Pipe

HSS-G pour les Trous dans la Tôle et les Tubes

CODE	Ø Measure Min.	/	Ø Measure Max.	Ø Progres. Steps	Nr Steps	Length Total	Ø Handle	PCS
MFE02	4	to	12	1	9	72	6	1
MFE04	4	to	20	2	9	85	10	1
MFE06	4	to	30	2	13	97	10	1
MFE10	5	to	38	1	14	95	12	1
MFE09	6	to	40	1	16	105	13	1
MFE08	40	to	50	1	11	100	13	1



Plastic Box Set

Boîte Plastique

Composition

3 pcs

Ø Measure Min. / Max.	UN
4 to 12	1
4 to 20	1
4 to 30	1

CODE

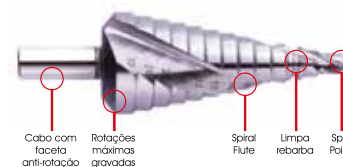
MFBE010

HSS

Spiral HSS-G

Hélicoïdale HSS-G

CODE	Ø Measure Min.	/	Ø Measure Max.	Ø Progres. Steps	Nr Steps	Length Total	Ø Handle	PCS
MFE40	4	to	12	1	5	80	6	1
MFE41	4	to	20	2	4	67	8	1
MFE42	6	to	30	2	4	98	10	1
MFE43	6	to	36	3	3	82	12	1



Plastic Box Set

Boîte Plastique

Composition 3 pcs

Ø Measure Min. / Max.	UN
4 to 12	1
4 to 20	1
6 to 30	1

CODE

MFE49

TIN

HSS-G Coated for Drilling steel and Stainless Steel

HSS-G Revêtu de Titane pour le Perçage de L'acier Inoxydable et de L'acier Traite

CODE	Ø Measure Min.	/	Ø Measure Max.	Ø Progres. Steps	Nr Steps	Length Total	Ø Handle	PCS
MFET02	4	to	12	1	9	72	6	1
MFET04	4	to	20	2	9	85	10	1
MFET06	4	to	30	2	13	97	10	1
MFET09	6	to	40	1	16	105	13	1



Plastic Box Set

Boîte Plastique

Composition 3 pcs

Ø Measure Min. / Max.	UN
4 to 12	1
4 to 20	1
4 to 30	1

CODE

MFBEET6

TIALN

Spiral HSS-G TIALN for Stainless Steel

Hélicoïdale HSS-G + TIALN pour Acier Inoxydable

CODE	Ø Measure Min.	/	Ø Measure Max.	Ø Progres. Steps	Nr Steps	Length Total	Ø Handle	PCS
MFE60	4	to	12	1	5	80	6	1
MFE61	4	to	20	2	4	67	8	1
MFE62	6	to	30	2	4	98	10	1
MFE63	6	to	36	3	3	82	12	1



Plastic Box Set

Boîte Plastique

Composition 3 pcs

Ø Measure Min. / Max.	UN
4 to 12	1
4 to 20	1
6 to 30	1

CODE

MFE69

FRESAS ESCALONADAS HSS COM CABO HEXAGONAL 1/4 - E6.3

HSS STEP DRILLS WITH HEXAGONAL SHANK
FRAISE-ESCALIERS AVEC CÂBLE HEXAGONALE HSS



Metal



Steel

$R \leq 800 \text{ N/mm}^2$



Metal



Steel

$R \leq 800 \text{ N/mm}^2$

Spiral HSS-G - Hexagonal Shank

Fraise Hélicoïdale HEX 1/4

CODE	Ø	Prog. Steps	Nr Steps	Length Total	Handle
MFE80	4 to 12	1	8	80	1/4
MFE81	4 to 20	2	9	76	1/4
MFE82	6 to 30	2	12	100	1/4

Step Drill HSS-G - Hexagonal Shank

Fraise Droite Festonnée HEX 1/4

CODE	Ø	Prog. Steps	Nr Steps	Length Total	Handle
MFE90	4 to 12	1	9	68	1/4
MFE91	4 to 20	2	9	78	1/4
MFE92	6 to 30	2	13	101	1/4



Spiral HSS-G Set Hexagonal Shank

Jeux de Fraises Étagées
Hexagonale Hélicoïdale 1/4

Composition 3 pcs

1 x 4 to 12 mm
1 x 4 to 20 mm
1 x 6 to 30 mm

CODE

MFE89



Step Drill Set HSS-G Hexagonal Shank

Jeux de Fraises Étagées
Hexagonale Droite 1/4

Composition 3 pcs

1 x 4 to 12 mm
1 x 4 to 20 mm
1 x 6 to 30 mm

CODE

MFE93

FRESAS FRONTAIS DE 1 NAVALHA P/ ALUMÍNIO SÉRIE CURTA E LONGA HSS

ALUMINIUM 1Z HSS FINISHING END MILLS

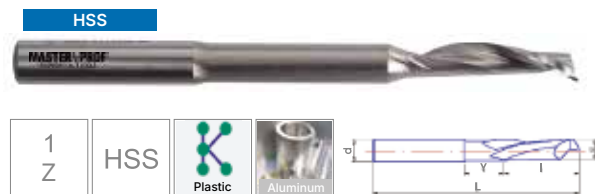
FRAISES FRONTALES À 1 COUTEAU POUR ALUMINIUM SÉRIE COURTE ET LONGUE HSS



Short Series - Shank ø 8mm

Séries Courtes - Derive ø 8mm

CODE	Ø	Ød mm	L mm	I mm	PCS
PROF441201	3	8	60	12	1
PROF441202	4	8	60	12	1
PROF441203	5	8	60	12	1
PROF441204	6	8	60	14	1
PROF441205	7	8	60	14	1
PROF441206	8	8	80	15	1
PROF441207	10	10	80	15	1



Long Series - Shank ø 8mm

Série Longue - Dérive ø 8mm

CODE	Ø	Ød mm	L mm	I mm	Y mm	PCS
PROF441401	4	8	80	16	29	1
PROF441402	5	8	80	16	29	1
PROF441403	6	8	90	16	29	1
PROF441404	8	8	100	28	40	1

Short Series - Shank ø 6mm

Série Courte - Dérive ø 6mm

CODE	Ø	Ød mm	L mm	I mm	PCS
PROF441301	3	6	60	12	1
PROF441302	4	6	60	12	1
PROF441303	5	6	60	12	1
PROF441304	6	6	60	14	1

Long Series - Shank ø 6mm

Série Longue - Dérive ø 6mm

CODE	Ø	Ød mm	L mm	I mm	Y mm	PCS
PROF441501	5	6	80	14	31	1
PROF441502	6	6	80	14	31	1

FRESAS FRONTAIS DE 1 NAV. P/ ALUMÍNIO SÉRIE CURTA E LONGA METAL DURO

ALUMINIUM 1Z HSS FINISHING END MILLS

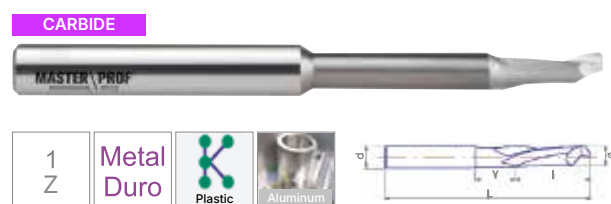
FRAISES FRONTALES À 1 COUTEAU POUR ALUMINIUM SÉRIE COURTE ET LONGUE CARBURE



Short Series (recommended for thermoplastics)

Série Courte (recommandée pour les Thermoplastiques)

CODE	Ø	Ød mm	L mm	I mm	PCS
PROF941101	3,00	3	38	12	1
PROF941102	4,00	4	40	12	1
PROF941103	5,00	5	50	12	1
PROF941104	6,00	6	50	14	1
PROF941105	8,00	8	63	15	1
PROF941106	10,00	10	72	15	1



Long Series (recommended for aluminum)

Série Longue (Aluminium recommandé)

CODE	Ø	Ød mm	L mm	I mm	PCS
PROF941401	4,00	8	80	16	1
PROF941402	5,00	8	80	16	1
PROF941403	6,00	8	90	16	1
PROF941404	8,00	8	100	28	1
PROF941405	10,00	10	120	40	1

FRESAS FRONTAIS 1 NAV. POLIDAS TIPO ESPELHO P/ ALUMÍNIO EM METAL DURO

1Z MIRROR POLISHED END MILLS

FRAISES FRONTALES 1 NAV. POLI MIROIR POUR L'ALUMINIUM CARBURE



Short Series

Série Courte

CODE	Ø	Ød mm	L mm	l mm	PCS
PROF941601	1,00	3	38	5	1
PROF941602	1,50	3	38	6	1
PROF941603	2,00	3	38	6	1
PROF941604	2,50	3	38	6	1
PROF941605	3,00	3	38	12	1
PROF941606	4,00	4	45	15	1
PROF941607	5,00	5	50	16	1
PROF941608	6,00	6	50	17	1
PROF941609	8,00	8	60	22	1
PROF941610	10,00	10	75	32	1
PROF941611	12,00	12	75	35	1



Long Series

Série Longue

CODE	Ø	Ød mm	L mm	l mm	PCS
PROF941701	3,00	3	70	42	1
PROF941702	4,00	4	70	42	1
PROF941703	5,00	5	80	42	1
PROF941704	6,00	6	85	52	1
PROF941705	8,00	8	90	52	1
PROF941706	10,00	10	100	52	1
PROF941707	12,00	12	100	55	1

Characteristics:

- Special mirror-polished channel
- Improves performance in aluminium and hard plastics;
- Improves geometry for high performance

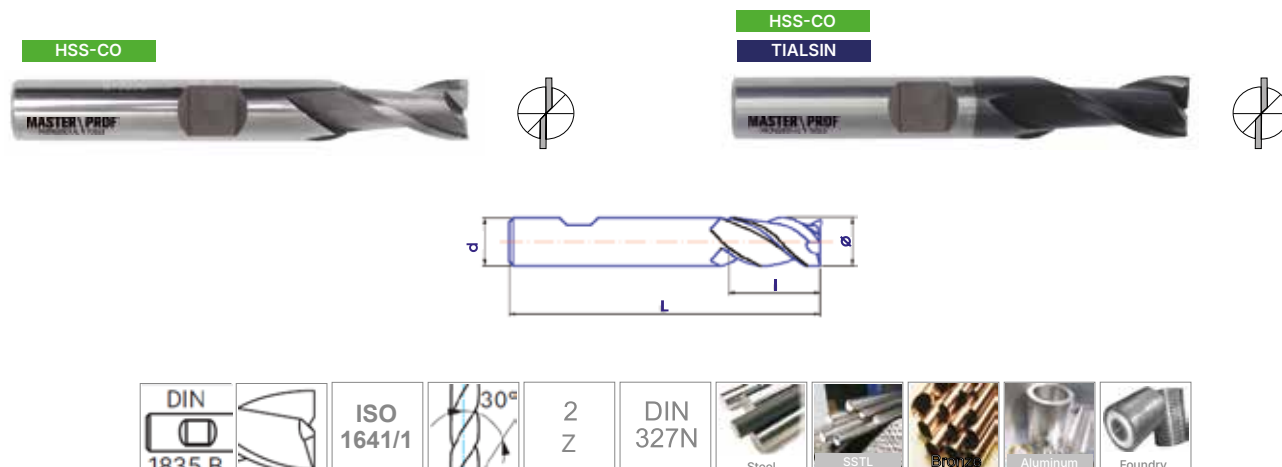
Caractéristiques:

- Canal spécial poli type miroir.
- Améliore les performances des profils en aluminium et des profils durs.
- Géométrie améliorée pour un rendement élevé

FRESAS FRONTAIS 2 NAVALHAS CABO CILÍNDRICO HSS-CO 8% E TIALSIN

2Z HSS-CO 8% FINISHING END MILLS

FRAISES FRONTAUX 2 COUTEAUX CÂBLE CYLINDRIQUE HSSE 8% ET TIALNIN



HSSE 8% Co

CODE	Ø	d mm	L mm	l mm	PCS
PROF442001	2,00	6	48	4	1
PROF442002	2,50	6	49	5	1
PROF442003	3,00	6	49	5	1
PROF442004	3,50	6	50	6	1
PROF442005	4,00	6	51	7	1
PROF442006	4,50	6	52	8	1
PROF442007	5,00	6	52	8	1
PROF442008	5,50	6	52	8	1
PROF442009	6,00	6	52	8	1
PROF442010	6,50	10	60	10	1
PROF442011	7,00	10	60	10	1
PROF442012	7,50	10	61	11	1
PROF442013	8,00	10	61	11	1
PROF442014	8,50	10	61	11	1
PROF442015	9,00	10	61	11	1
PROF442016	9,50	10	61	11	1
PROF442017	10,00	10	63	13	1
PROF442018	11,00	12	70	13	1
PROF442019	12,00	12	73	16	1
PROF442020	13,00	12	73	16	1
PROF442021	14,00	12	73	16	1
PROF442022	15,00	12	73	16	1
PROF442023	16,00	16	79	19	1
PROF442024	17,00	16	79	19	1
PROF442025	18,00	16	79	19	1
PROF442026	19,00	16	79	19	1
PROF442027	20,00	20	88	22	1
PROF442028	22,00	20	88	22	1
PROF442029	24,00	25	102	26	1
PROF442030	25,00	25	102	26	1
PROF442031	28,00	25	102	26	1
PROF442032	30,00	25	102	26	1
PROF442033	32,00	32	112	32	1
PROF442034	36,00	32	112	32	1
PROF442035	40,00	40	130	48	1

TIALSIN

CODE	Ø	d mm	L mm	l mm	PCS
PROF442036	2,00	6	48	4	1
PROF442037	2,50	6	49	5	1
PROF442038	3,00	6	49	5	1
PROF442039	3,50	6	50	6	1
PROF442040	4,00	6	51	7	1
PROF442041	4,50	6	52	8	1
PROF442042	5,00	6	52	8	1
PROF442043	5,50	6	52	8	1
PROF442044	6,00	6	52	8	1
PROF442045	6,50	10	60	10	1
PROF442046	7,00	10	60	10	1
PROF442047	7,50	10	61	11	1
PROF442048	8,00	10	61	11	1
PROF442049	8,50	10	61	11	1
PROF442050	9,00	10	61	11	1
PROF442051	9,50	10	61	11	1
PROF442052	10,00	10	63	13	1
PROF442053	11,00	12	70	13	1
PROF442054	12,00	12	73	16	1
PROF442055	13,00	12	73	16	1
PROF442056	14,00	12	73	16	1
PROF442057	15,00	12	73	16	1
PROF442058	16,00	16	79	19	1
PROF442059	17,00	16	79	19	1
PROF442060	18,00	16	79	19	1
PROF442061	19,00	16	79	19	1
PROF442062	20,00	20	88	22	1
PROF442063	22,00	20	88	22	1
PROF442064	24,00	25	102	26	1
PROF442065	25,00	25	102	26	1
PROF442066	28,00	25	102	26	1
PROF442067	30,00	25	102	26	1
PROF442068	32,00	32	112	32	1
PROF442069	36,00	32	112	32	1
PROF442070	40,00	40	130	48	1

FRESAS FRONTAIS 3 NAVALHAS CABO CILÍNDRICO HSS-CO 8% E TIALSIN

3Z HSS-CO 8% FINISHING END MILLS

FRAISES FRONTAUX 3 COUTEAUX CÂBLE CYLINDRIQUE HSSE 8% ET TIALSIN



HSSE 8% Co

CODE	Ø	d mm	L mm	l mm	PCS
PROF443001	2,00	6	51	7	1
PROF443002	2,50	6	51	8	1
PROF443003	3,00	6	52	8	1
PROF443004	3,50	6	55	11	1
PROF443005	4,00	6	55	11	1
PROF443006	4,50	6	57	11	1
PROF443007	5,00	6	57	13	1
PROF443008	5,50	6	57	13	1
PROF443009	6,00	6	57	13	1
PROF443010	6,50	10	66	16	1
PROF443011	7,00	10	66	16	1
PROF443012	7,50	10	66	16	1
PROF443013	8,00	10	69	19	1
PROF443014	8,50	10	69	19	1
PROF443015	9,00	10	69	19	1
PROF443016	9,50	10	72	19	1
PROF443017	10,00	10	72	22	1
PROF443018	11,00	12	79	22	1
PROF443019	12,00	12	83	26	1
PROF443020	13,00	12	83	26	1
PROF443021	14,00	12	83	26	1
PROF443022	15,00	12	83	26	1
PROF443023	16,00	16	92	32	1
PROF443024	17,00	16	92	32	1
PROF443025	18,00	16	92	32	1
PROF443026	19,00	16	92	32	1
PROF443027	20,00	20	104	38	1
PROF443028	22,00	20	104	38	1
PROF443029	25,00	25	121	45	1
PROF443030	28,00	25	121	45	1
PROF443031	30,00	25	121	45	1
PROF443032	32,00	32	133	53	1

TIALSIN

CODE	Ø	d mm	L mm	l mm	PCS
PROF443033	2,00	6	51	7	1
PROF443034	2,50	6	51	8	1
PROF443035	3,00	6	52	8	1
PROF443036	3,50	6	55	11	1
PROF443037	4,00	6	55	11	1
PROF443038	4,50	6	57	11	1
PROF443039	5,00	6	57	13	1
PROF443040	5,50	6	57	13	1
PROF443041	6,00	6	57	13	1
PROF443042	6,50	10	66	16	1
PROF443043	7,00	10	66	16	1
PROF443044	7,50	10	66	16	1
PROF443045	8,00	10	69	19	1
PROF443046	8,50	10	69	19	1
PROF443047	9,00	10	69	19	1
PROF443048	9,50	10	72	19	1
PROF443049	10,00	10	72	22	1
PROF443050	11,00	12	79	22	1
PROF443051	12,00	12	83	26	1
PROF443052	13,00	12	83	26	1
PROF443053	14,00	12	83	26	1
PROF443054	15,00	12	83	26	1
PROF443055	16,00	16	92	32	1
PROF443056	17,00	16	92	32	1
PROF443057	18,00	16	92	32	1
PROF443058	19,00	16	92	32	1
PROF443059	20,00	20	104	38	1
PROF443060	22,00	20	104	38	1
PROF443061	25,00	25	121	45	1
PROF443062	28,00	25	121	45	1
PROF443063	30,00	25	121	45	1
PROF443064	32,00	32	133	53	1

FRESAS FRONTAIS 4 NAVALHAS CABO CILÍNDRICO HSS-CO 8% E TIALSIN

4Z HSS-CO 8% FINISHING END MILLS

FRAISES FRONTAUX 4 COUTEAUX CÂBLE CYLINDRIQUE HSSE 8% ET TIALSIN



HSSE 8% Co

CODE	Ø	d mm	L mm	l mm	PCS
PROF460001	2,00	6	51	7	1
PROF460002	2,50	6	51	8	1
PROF460003	3,00	6	52	8	1
PROF460004	3,50	6	54	10	1
PROF460005	4,00	6	55	11	1
PROF460006	4,50	6	55	11	1
PROF460007	5,00	6	57	13	1
PROF460008	5,50	6	57	13	1
PROF460009	6,00	6	57	13	1
PROF460010	6,50	10	66	16	1
PROF460011	7,00	10	66	16	1
PROF460012	7,50	10	66	16	1
PROF460013	8,00	10	69	19	1
PROF460014	8,50	10	69	19	1
PROF460015	9,00	10	69	19	1
PROF460016	9,50	10	69	19	1
PROF460017	10,00	10	63	22	1
PROF460018	11,00	12	72	22	1
PROF460019	12,00	12	79	26	1
PROF460020	13,00	12	83	26	1
PROF460021	14,00	12	83	26	1
PROF460022	15,00	12	83	26	1
PROF460023	16,00	16	92	32	1
PROF460024	17,00	16	92	32	1
PROF460025	18,00	16	92	32	1
PROF460026	19,00	16	92	32	1
PROF460027	20,00	20	104	38	1
PROF460028	22,00	20	104	38	1
PROF460029	24,00	25	121	45	1
PROF460030	25,00	25	121	45	1
PROF460031	26,00	25	121	45	1
PROF460032	28,00	25	121	45	1
PROF460033	30,00	25	121	45	1
PROF460034	32,00	32	133	53	1
PROF460035	36,00	32	133	53	1
PROF460036	40,00	40	155	63	1

From 25mm without center cur

De la mesure 25mm sans coupure au centre

TIALSIN

CODE	Ø	d mm	L mm	l mm	PCS
PROF460037	2,00	6	51	7	1
PROF460038	2,50	6	51	8	1
PROF460039	3,00	6	52	8	1
PROF460040	3,50	6	54	10	1
PROF460041	4,00	6	55	11	1
PROF460042	4,50	6	55	11	1
PROF460043	5,00	6	57	13	1
PROF460044	5,50	6	57	13	1
PROF460045	6,00	6	57	13	1
PROF460046	6,50	10	66	16	1
PROF460047	7,00	10	66	16	1
PROF460048	7,50	10	66	16	1
PROF460049	8,00	10	69	19	1
PROF460050	8,50	10	69	19	1
PROF460051	9,00	10	69	19	1
PROF460052	9,50	10	69	19	1
PROF460053	10,00	10	63	22	1
PROF460054	11,00	12	72	22	1
PROF460055	12,00	12	79	26	1
PROF460056	13,00	12	83	26	1
PROF460057	14,00	12	83	26	1
PROF460058	15,00	12	83	26	1
PROF460059	16,00	16	92	32	1
PROF460060	17,00	16	92	32	1
PROF460061	18,00	16	92	32	1
PROF460062	19,00	16	92	32	1
PROF460063	20,00	20	104	38	1
PROF460064	22,00	20	104	38	1
PROF460065	24,00	25	121	45	1
PROF460066	25,00	25	121	45	1
PROF460067	26,00	25	121	45	1
PROF460068	28,00	25	121	45	1
PROF460069	30,00	25	121	45	1
PROF460070	32,00	32	133	53	1
PROF460071	36,00	32	133	53	1
PROF460072	40,00	40	155	63	1

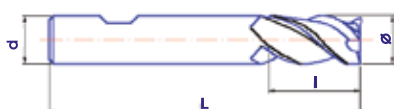
From 25mm without center cur

De la mesure 25mm sans coupure au centre

FRESAS FRONTAIS 4 NAV. CABO CIL. C/ CENTRO DESBASTE HSS-CO 8% E TIALSIN

4Z HSS-CO 8% FINISHING END MILLS

FRAISES FRONTALES 4 COUTEAUX CÂBLE CIL. AVEC CENTRE D'ÉBAUCHE HSSE 8% ET TIALSIN



HSSE 8% Co

CODE	Ø	d mm	L mm	l mm	PCS
PROF464001	6,00	6	57	13	1
PROF464002	7,00	10	66	16	1
PROF464003	8,00	10	69	19	1
PROF464004	9,00	10	69	19	1
PROF464005	10,00	10	69	22	1
PROF464006	11,00	12	72	22	1
PROF464007	12,00	12	79	26	1
PROF464008	13,00	12	83	26	1
PROF464009	14,00	12	83	26	1
PROF464010	15,00	12	83	26	1
PROF464011	16,00	16	83	32	1
PROF464012	17,00	16	92	32	1
PROF464013	18,00	16	92	32	1
PROF464014	19,00	16	92	32	1
PROF464015	20,00	20	92	38	1
PROF464016	22,00	20	104	38	1
PROF464017	24,00	25	104	45	1
PROF464018	25,00	25	121	45	1
PROF464019	26,00	25	121	45	1
PROF464020	28,00	25	121	45	1
PROF464021	30,00	25	121	45	1
PROF464022	32,00	32	133	53	1
PROF464023	36,00	32	133	53	1
PROF464024	40,00	40	155	63	1

TIALSIN

CODE	Ø	d mm	L mm	l mm	PCS
PROF464025	6,00	6	57	13	1
PROF464026	7,00	10	66	16	1
PROF464027	8,00	10	69	19	1
PROF464028	9,00	10	69	19	1
PROF464029	10,00	10	69	22	1
PROF464030	11,00	12	72	22	1
PROF464031	12,00	12	79	26	1
PROF464032	13,00	12	83	26	1
PROF464033	14,00	12	83	26	1
PROF464034	15,00	12	83	26	1
PROF464035	16,00	16	83	32	1
PROF464036	17,00	16	92	32	1
PROF464037	18,00	16	92	32	1
PROF464038	19,00	16	92	32	1
PROF464039	20,00	20	92	38	1
PROF464040	22,00	20	104	38	1
PROF464041	24,00	25	104	45	1
PROF464042	25,00	25	121	45	1
PROF464043	26,00	25	121	45	1
PROF464044	28,00	25	121	45	1
PROF464045	30,00	25	121	45	1
PROF464046	32,00	32	133	53	1
PROF464047	36,00	32	133	53	1
PROF464048	40,00	40	155	63	1

FRESAS FRONTAIS 2 NAV. CABO CIL. C/ CENTRO METAL DURO E CROMAX

2Z CARBIDE END MILLS

FRAISES FRONTAUX 2 COUTEAUX CÂBLE CIL. AVEC CENTRE EN CARBURE ET CROMAX



CARBIDE

2
Z

DIN
6528N



Carbide/Carbure (K30)

CODE	Ø	d mm	L mm	l mm	PCS
PROF942101	1,00	1,00	40	3,00	1
PROF942102	1,50	1,50	40	3,00	1
PROF942103	2,00	2,00	40	8,00	1
PROF942104	2,50	2,50	40	8,00	1
PROF942105	3,00	3,00	38	8,00	1
PROF942106	3,50	3,50	50	8,00	1
PROF942107	4,00	4,00	50	8,00	1
PROF942108	4,50	4,50	50	8,00	1
PROF942109	5,00	5,00	50	10,00	1
PROF942110	5,50	5,50	57	10,00	1
PROF942111	6,00	6,00	57	10,00	1
PROF942112	6,50	6,50	60	13,00	1
PROF942113	8,00	8,00	63	16,00	1
PROF942114	8,50	8,50	67	16,00	1
PROF942115	10,00	10,00	72	19,00	1
PROF942116	12,00	12,00	83	22,00	1
PROF942117	14,00	14,00	83	22,00	1
PROF942118	16,00	16,00	92	26,00	1
PROF942119	18,00	18,00	92	26,00	1
PROF942120	20,00	20,00	104	32,00	1



CARBIDE

CROMAX



Carbide/Carbure (K30) CROMAX

CODE	Ø	d mm	L mm	l mm	PCS
PROF942125	1,00	1,00	40	3,00	1
PROF942126	1,50	1,50	40	3,00	1
PROF942127	2,00	2,00	40	8,00	1
PROF942128	2,50	2,50	40	8,00	1
PROF942129	3,00	3,00	38	8,00	1
PROF942130	3,50	3,50	50	8,00	1
PROF942131	4,00	4,00	50	8,00	1
PROF942132	4,50	4,50	50	8,00	1
PROF942133	5,00	5,00	50	10,00	1
PROF942134	5,50	5,50	57	10,00	1
PROF942135	6,00	6,00	57	10,00	1
PROF942136	6,50	6,50	60	13,00	1
PROF942137	8,00	8,00	63	16,00	1
PROF942138	8,50	8,50	67	16,00	1
PROF942139	10,00	10,00	72	19,00	1
PROF942140	12,00	12,00	83	22,00	1
PROF942141	14,00	14,00	83	22,00	1
PROF942142	16,00	16,00	92	26,00	1
PROF942143	18,00	18,00	92	26,00	1
PROF942144	20,00	20,00	104	32,00	1

FRESAS FRONTAIS 3 NAV. CABO CIL. C/ CENTRO METAL DURO E CROMAX

3Z CARBIDE END MILLS

FRAISES FRONTAUX 3 COUTEAUX CÂBLE CIL. AVEC CENTRE EN CARBURE ET CROMAX



CARBIDE

3
Z

DIN
6528N



Carbide/Carbure (K30)

CODE	Ø	d mm	L mm	l mm	PCS
PROF943101	1,00	1,00	40	3,00	1
PROF943102	1,50	1,50	40	3,00	1
PROF943103	2,00	2,00	40	8,00	1
PROF943104	2,50	2,50	40	8,00	1
PROF943105	3,00	3,00	38	8,00	1
PROF943106	3,50	3,50	50	8,00	1
PROF943107	4,00	4,00	50	8,00	1
PROF943108	4,50	4,50	50	8,00	1
PROF943109	5,00	5,00	50	10,00	1
PROF943110	5,50	5,50	57	10,00	1
PROF943111	6,00	6,00	57	10,00	1
PROF943112	6,50	6,50	60	13,00	1
PROF943113	8,00	8,00	63	16,00	1
PROF943114	8,50	8,50	67	16,00	1
PROF943115	10,00	10,00	72	19,00	1
PROF943116	12,00	12,00	83	22,00	1
PROF943117	14,00	14,00	83	22,00	1
PROF943118	16,00	16,00	92	26,00	1
PROF943119	18,00	18,00	92	26,00	1
PROF943120	20,00	20,00	104	32,00	1



CARBIDE

CROMAX



Carbide/Carbure (K30) CROMAX

CODE	Ø	d mm	L mm	l mm	PCS
PROF943125	1,00	1,00	40	3,00	1
PROF943126	1,50	1,50	40	3,00	1
PROF943127	2,00	2,00	40	8,00	1
PROF943128	2,50	2,50	40	8,00	1
PROF943129	3,00	3,00	38	8,00	1
PROF943130	3,50	3,50	50	8,00	1
PROF943131	4,00	4,00	50	8,00	1
PROF943132	4,50	4,50	50	8,00	1
PROF943133	5,00	5,00	50	10,00	1
PROF943134	5,50	5,50	57	10,00	1
PROF943135	6,00	6,00	57	10,00	1
PROF943136	6,50	6,50	60	13,00	1
PROF943137	8,00	8,00	63	16,00	1
PROF943138	8,50	8,50	67	16,00	1
PROF943139	10,00	10,00	72	19,00	1
PROF943140	12,00	12,00	83	22,00	1
PROF943141	14,00	14,00	83	22,00	1
PROF943142	16,00	16,00	92	26,00	1
PROF943143	18,00	18,00	92	26,00	1
PROF943144	20,00	20,00	104	32,00	1

FRESAS FRONTAIS 4 NAV. CABO CIL. C/ CENTRO METAL DURO E CROMAX

4Z CARBIDE END MILLS

FRAISES FRONTAUX 4 COUTEAUX CÂBLE CIL. AVEC CENTRE EN CARBURE ET CROMAX

CARBIDE



CARBIDE

CROMAX



Carbide (K30)

Carbure(K30)

CODE	Ø	d mm	L mm	I mm	PCS
PROF940101	1,00	1,00	40	3,00	1
PROF940102	1,50	1,50	40	3,00	1
PROF940103	2,00	2,00	40	8,00	1
PROF940104	2,50	2,50	40	8,00	1
PROF940105	3,00	3,00	38	8,00	1
PROF940106	3,50	3,50	50	8,00	1
PROF940107	4,00	4,00	50	8,00	1
PROF940108	4,50	4,50	50	8,00	1
PROF940109	5,00	5,00	50	10,00	1
PROF940110	5,50	5,50	57	10,00	1
PROF940111	6,00	6,00	57	10,00	1
PROF940112	6,50	6,50	60	13,00	1
PROF940113	8,00	8,00	63	16,00	1
PROF940114	8,50	8,50	67	16,00	1
PROF940115	10,00	10,00	72	19,00	1
PROF940116	12,00	12,00	83	22,00	1
PROF940117	14,00	14,00	83	22,00	1
PROF940118	16,00	16,00	92	26,00	1
PROF940119	18,00	18,00	92	26,00	1
PROF940120	20,00	20,00	104	32,00	1

Carbide (K30) CROMAX

Carbure(K30) CROMAX

CODE	Ø	d mm	L mm	I mm	PCS
PROF940125	1,00	1,00	40	3,00	1
PROF940126	1,50	1,50	40	3,00	1
PROF940127	2,00	2,00	40	8,00	1
PROF940128	2,50	2,50	40	8,00	1
PROF940129	3,00	3,00	38	8,00	1
PROF940130	3,50	3,50	50	8,00	1
PROF940131	4,00	4,00	50	8,00	1
PROF940132	4,50	4,50	50	8,00	1
PROF940133	5,00	5,00	50	10,00	1
PROF940134	5,50	5,50	57	10,00	1
PROF940135	6,00	6,00	57	10,00	1
PROF940136	6,50	6,50	60	13,00	1
PROF940137	8,00	8,00	63	16,00	1
PROF940138	8,50	8,50	67	16,00	1
PROF940139	10,00	10,00	72	19,00	1
PROF940140	12,00	12,00	83	22,00	1
PROF940141	14,00	14,00	83	22,00	1
PROF940142	16,00	16,00	92	26,00	1
PROF940143	18,00	18,00	92	26,00	1
PROF940144	20,00	20,00	104	32,00	1

MÁQUINAS ELETROMAGNÉTICAS

MAGNETIC DRILL FOR MAX Ø 35 MM ANNULAR CUTTERS
MACHINE À BASE ÉLECTROMAGNÉTIQUE POUR FRAISES JUSQU'À Ø 35 MM

MASTERBASIC



Drilling capacity Drilling capacity

Annular cutters (Ø max) <i>Fraise (Ø max)</i>	12 - 35 mm
Twist drills (Ø max) <i>Foret Hélicoïdal (Ø max)</i>	1 - 13 mm
Countersinks (Ø max) <i>Alésoir (Ø max)</i>	10 - 35 mm

Drilling machine dimensions Drilling machine dimensions

Height <i>Hauteur</i>	293 - 383 mm
Length <i>Longueur</i>	265 mm
Width <i>Largeur</i>	175 mm
Stroke <i>Cours</i>	90 mm
Weight <i>Poids</i>	8,5 Kg



35 mm 13 mm 35 mm



8,5 Kg 850 W 1000 Kg 90 mm

Magnet (L x W x H) <i>Magnét (L x W x H)</i>	160x81x36 mm
Magnetic force <i>Force Magnétique</i>	1000 Kg
Motor power <i>Puissance du Moteur</i>	850 W
Voltage <i>Tension</i>	220-240 AC / 50-60 Hz
Speed (no load) <i>Vitesse (sans charge)</i>	750 rpm
Speed (loaded 1000W, 9,1A) <i>Vitesse (chargé 1000W, 9,1A)</i>	400 rpm
Spindle <i>Raccord</i>	Weldon 19,05 mm

Accessories use Diagram Schème d'utilisation des Accessoires



WELDON



Adapter
Weldon 19.05 - Quick-in
Adaptateur
Weldon 19.05 - Quick-in



Quick-IN

MASTER BASIC
Composition
1x Magnetic Drilling Machine 1x Safety Guard 3x Handles 1x Hex key 2.5 mm 1x Hex key 3 mm 1x Hex key 4 mm 1x Hex key 5 mm 1x Lubrication System 1x Safety Chain 1x User Manual 1x Ejector
1x Base magnétique 1x Protection de sécurité 3x Câbles 1x Clé hexagonale 2,5 mm 1x Clé hexagonale 3 mm 1x Clé hexagonale 4 mm 1x Clé hexagonale 5 mm 1x Système de lubrification 1x Chaîne de sécurité 1x Manuel d'utilisation 1x Éjecteur
CODE
MFMEM03

MÁQUINAS ELETROMAGNÉTICAS

MAGNETIC DRILL FOR MAX Ø 50 MM ANNULAR CUTTERS, 2 GEARS

MACHINE AVEC BASE ÉLECTROMAGNÉTIQUE POUR FRAISES JUSQU'À Ø 50 MM, DEUX VITESSES

MASTERELITE



Drilling capacity

Drilling capacity

Annular cutters (Ø max)	12 - 50 mm
<i>Fraise (Ø max)</i>	
Twist drills (Ø max)	1 - 20 mm
<i>Foret Hélicoïdal (Ø max)</i>	
Countersinks (Ø max)	10 - 50 mm
<i>Alésoir (Ø max)</i>	

Drilling machine dimensions

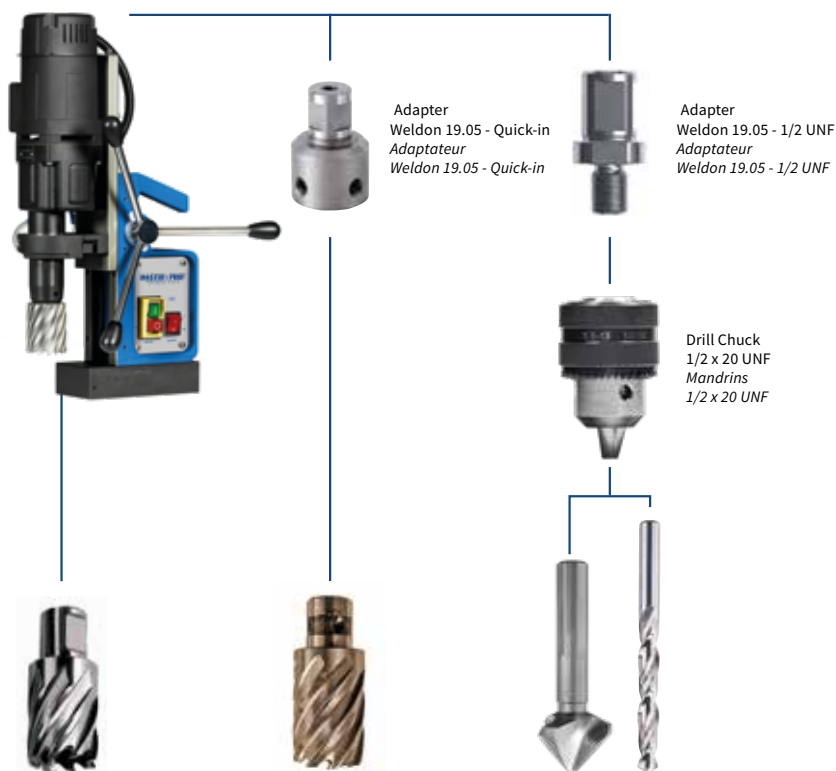
Height	385 - 550 mm
<i>Hauteur</i>	
Length	320 mm
<i>Longueur</i>	
Width	210 mm
<i>Largeur</i>	
Stroke	170 mm
<i>Cours</i>	
Weight	13,5 Kg
<i>Poids</i>	



Magnet (L x W x H)	168x84x49 mm
<i>Magnét (L x W x H)</i>	
Magnetic force	1600 Kg
<i>Force Magnétique</i>	
Motor power	1200 W
<i>Puissance du Moteur</i>	
Voltage	220-240 AC/50-60 Hz
<i>Tension</i>	
Speed (no load)	380 rpm / 690 rpm
<i>Vitesse (sans charge)</i>	
Speed (loaded 1000W, 9,1A)	235 rpm / 425 rpm
<i>Vitesse (chargé 1000W, 9,1A)</i>	
Spindle	Weldon 19,05 mm
<i>Raccord</i>	

Accessories use Diagram

Schème d'utilisation des Accessoires



WELDON

Quick-IN

MASTER PROF
PROFESSIONAL TOOLS

MASTER ELITE

Composition

- 1 x Magnetic Drilling Machine
- 1 x Safety Guard
- 3 x Handles
- 1 x Hex key 2.5 mm
- 1 x Hex key 3 mm
- 1 x Hex key 4 mm
- 1 x Hex key 5 mm
- 1 x Lubrication System
- 1 x Safety Chain
- 1 x User Manual
- 1 x Ejector
- 1 x Base Magnétique
- 1 x Protection de Sécurité
- 3 x Câbles
- 1 x Clé hexagonale 2,5 mm
- 1 x Clé Hexagonale 3 mm
- 1 x Clé Hexagonale 4 mm
- 1 x Clé Hexagonale 5 mm
- 1 x Système de Lubrification
- 1 x Chaîne de Sécurité
- 1 x Manuel d'utilisation
- 1 x Éjecteur

CODE

MFMEM02

MÁQUINAS ELETROMAGNÉTICAS

MAGNETIC DRILL FOR MAX Ø 32 MM ANNULAR CUTTERS, ADJUSTABLE SPEED AND R/L ROTATION

MACHINE À BASE ÉLECTROMAGNÉTIQUE POUR FRAISES JUSQU'À Ø 32 MM, VITESSE VARIABLE ET INVERSION DE ROTATION

MASTERPRO



32 mm 13 mm 40 mm M12



Drilling capacity Capacité de forage

Annular cutters (Ø max) Fraise (Ø max)	12 - 32 mm
Twist drills (Ø max) Foret Hélicoïdal (Ø max)	1 - 13 mm
Countersinks (Ø max) Alésoir (Ø max)	10 - 40 mm
Machine taps (Ø) Taraud Machine (Ø)	M3 - M12

Drilling machine dimensions Dimensions de machine

Height Hauteur	370 - 512 mm
Length Longueur	320 mm
Width Largeur	210 mm
Stroke Cours	150 mm
Weight Poids	11 Kg

Magnet (L x W x H) Magnét (L x W x H)	160x80x42 mm
---	---------------------

Magnetic force Force Magnétique	1500 Kg
---	----------------

Motor power Puissance du Moteur	1000 W
---	---------------

Voltage Tension	220-240 AC/50-60 Hz
---------------------------	----------------------------

Speed (no load) Vitesse (sans charge)	100 - 600 rpm
---	----------------------

Speed (loaded 1000W, 9,1A) Vitesse (chargé 1000W, 9,1A)	225 rpm
---	----------------

Spindle Raccord	Weldon 19,05 mm
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MASTER PRO

Composition

1x Magnetic Drilling Machine	1x Base magnétique
1x Safety Guard	1x Protection de Sécurité
3x Handles	3x Câbles
3x Weldon Adapter Ø 7,8,9	3x Adaptateurs Weldon Ø 7,8,9
1x Hex key 2.5 mm	1x Clé Hexagonale 2,5 mm
1x Hex key 3 mm	1x Clé Hexagonale 3 mm
1x Hex key 4 mm	1x Clé Hexagonale 4 mm
1x Hex key 5 mm	1x Clé Hexagonale 5 mm
1x Lubrication System	1x Système de Lubrification
1x Safety Chain	1x Chaîne de Sécurité
1x User Manual	1x Manuel d'utilisation
1x Ejector	1x Éjecteur

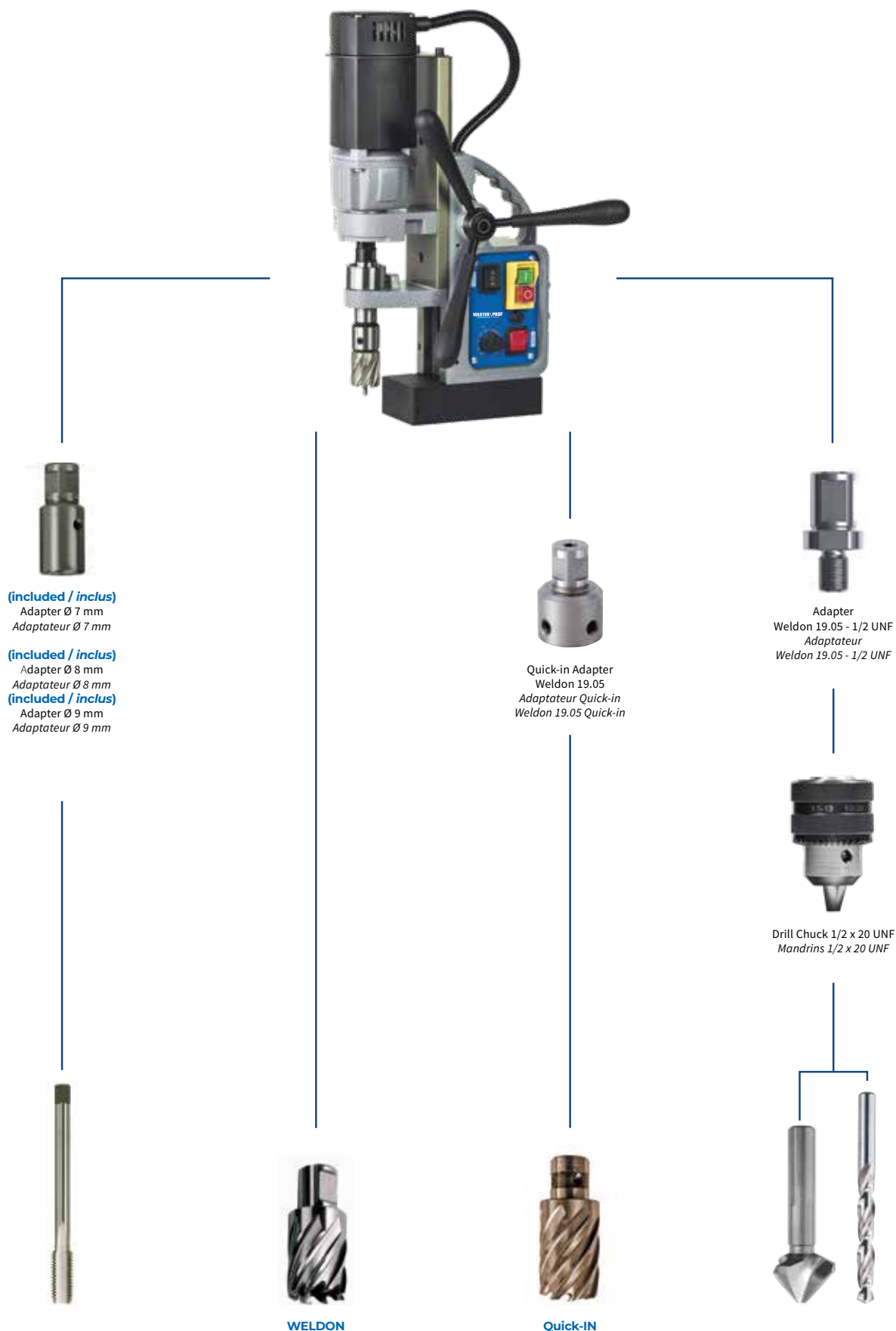
CODE

MFMEM01

MÁQUINAS ELETROMAGNÉTICAS

MAGNETIC DRILL FOR MAX Ø 32 MM ANNULAR CUTTERS, ADJUSTABLE SPEED AND R/L ROTATION
MACHINE À BASE ÉLECTROMAGNÉTIQUE POUR FRAISES JUSQU'À Ø 32 MM, VITESSE VARIABLE ET INVERSION DE ROTATION

Accessories use Diagram Schéma d'utilisation des Accessoires



FRESAS PARA MÁQUINAS ELETROMAGNÉTICA EM M2L (HSS + ALUMÍNIO)

WELDON SHANK HSS ANNULAR CUTTERS FOR MAGNETIC DRILLS

FRAISES HSS À CAROTTER AVEC WELDON QUEUE POUR MACHINES À EMBASE ÉLECTROMAGNÉTIQUE

HSS M2L



HSS M2L



Short Series

Série Courte

CODE	Ø	PCS
MFME01	12	1
MFME02	13	1
MFME03	14	1
MFME04	15	1
MFME05	16	1
MFME06	17	1
MFME07	18	1
MFME08	19	1
MFME09	20	1
MFME10	21	1
MFME11	22	1
MFME12	23	1
MFME13	24	1
MFME14	25	1
MFME15	26	1
MFME16	27	1
MFME17	28	1
MFME18	29	1
MFME19	30	1
MFME20	31	1
MFME21	32	1
MFME22	33	1
MFME23	34	1
MFME24	35	1
MFME25	36	1
MFME26	37	1
MFME27	38	1
MFME28	39	1
MFME29	40	1
MFME30	41	1

Short Series

Série Courte

CODE	Ø	PCS
MFME31	42	1
MFME32	43	1
MFME39	44	1
MFME33	45	1
MFME34	46	1
MFME35	47	1
MFME36	48	1
MFME37	49	1
MFME38	50	1
MFME40	51	1
MFME41	52	1
MFME42	53	1
MFME43	54	1
MFME44	55	1
MFME45	56	1
MFME46	57	1
MFME47	58	1
MFME48	59	1
MFME49	60	1
MFME51	61	1
MFME52	62	1
MFME53	63	1
MFME54	64	1
MFME55	65	1
MFME56	66	1
MFME57	67	1
MFME58	68	1
MFME59	69	1
MFME60	70	1

Long Series

Série Longue

CODE	Ø	PCS
MFMELO1	12	1
MFMELO2	13	1
MFMELO3	14	1
MFMELO4	15	1
MFMELO5	16	1
MFMELO6	17	1
MFMELO7	18	1
MFMELO8	19	1
MFMELO9	20	1
MFMELO10	21	1
MFMELO11	22	1
MFMELO12	23	1
MFMELO13	24	1
MFMELO14	25	1
MFMELO15	26	1
MFMELO16	27	1
MFMELO17	28	1
MFMELO18	29	1
MFMELO19	30	1
MFMELO20	31	1
MFMELO21	32	1
MFMELO22	33	1
MFMELO23	34	1
MFMELO24	35	1
MFMELO25	36	1
MFMELO26	37	1
MFMELO27	38	1
MFMELO28	39	1
MFMELO29	40	1
MFMELO30	41	1

Long Series

Série Longue

CODE	Ø	PCS
MFMELO31	42	1
MFMELO32	43	1
MFMELO39	44	1
MFMELO33	45	1
MFMELO34	46	1
MFMELO35	47	1
MFMELO36	48	1
MFMELO37	49	1
MFMELO38	50	1
MFMELO40	51	1
MFMELO41	52	1
MFMELO42	53	1
MFMELO43	54	1
MFMELO44	55	1
MFMELO45	56	1
MFMELO46	57	1
MFMELO47	58	1
MFMELO48	59	1
MFMELO49	60	1
MFMELO51	61	1
MFMELO52	62	1
MFMELO53	63	1
MFMELO54	64	1
MFMELO55	65	1
MFMELO56	66	1
MFMELO57	67	1
MFMELO58	68	1
MFMELO59	69	1
MFMELO60	70	1

FRESAS PARA MÁQUINAS ELETROMAGNÉTICA EM M2L (HSS + ALUMÍNIO)

WELDON SHANK HSS ANNULAR CUTTERS FOR MAGNETIC DRILLS

FRAISES HSS À CAROTTER AVEC WELDON QUEUE POUR MACHINES À EMBASE ÉLECTROMAGNÉTIQUE

HSS

FEIN
Quick-In shank



Short Series

Série Courte

CODE	Ø	PCS
MFMEF01	12	1
MFMEF02	13	1
MFMEF03	14	1
MFMEF04	15	1
MFMEF05	16	1
MFMEF06	17	1
MFMEF07	18	1
MFMEF08	19	1
MFMEF09	20	1
MFMEF10	21	1
MFMEF11	22	1
MFMEF12	23	1
MFMEF13	24	1
MFMEF14	25	1
MFMEF15	26	1
MFMEF16	27	1
MFMEF17	28	1
MFMEF18	29	1
MFMEF19	30	1
MFMEF20	31	1

Short Series

Série Courte

CODE	Ø	PCS
MFMEF21	32	1
MFMEF22	33	1
MFMEF23	34	1
MFMEF24	35	1
MFMEF25	36	1
MFMEF26	37	1
MFMEF27	38	1
MFMEF28	39	1
MFMEF29	40	1
MFMEF30	41	1
MFMEF31	42	1
MFMEF32	43	1
MFMEF33	44	1
MFMEF34	45	1
MFMEF35	46	1
MFMEF36	47	1
MFMEF37	48	1
MFMEF38	49	1
MFMEF39	50	1



FRESAS PARA MÁQUINAS ELETROMAGNÉTICA EM HSS-CO 8% (P/ INOX)

WELDON SHANK HSS-CO 8% ANNULAR CUTTERS FOR MAGNETIC DRILLS

FRAISES HSS-CO 8% À CAROTTER AVEC WELDON QUEUE POUR MACHINES À EMBASE ÉLECTROMAGNÉTIQUE



Short Series

Série Courte

CODE	Ø	PCS
MFMECO01	12	1
MFMECO02	13	1
MFMECO03	14	1
MFMECO04	15	1
MFMECO05	16	1
MFMECO06	17	1
MFMECO07	18	1
MFMECO08	19	1
MFMECO09	20	1
MFMECO10	21	1
MFMECO11	22	1
MFMECO12	23	1
MFMECO13	24	1
MFMECO14	25	1
MFMECO15	26	1
MFMECO16	27	1
MFMECO17	28	1
MFMECO18	29	1
MFMECO19	30	1
MFMECO20	31	1
MFMECO21	32	1
MFMECO22	33	1
MFMECO23	34	1
MFMECO24	35	1
MFMECO25	36	1
MFMECO26	37	1
MFMECO27	38	1
MFMECO28	39	1
MFMECO29	40	1
MFMECO30	41	1

Short Series

Série Courte

CODE	Ø	PCS
MFMECO31	42	1
MFMECO32	43	1
MFMECO33	44	1
MFMECO34	45	1
MFMECO35	46	1
MFMECO36	47	1
MFMECO37	48	1
MFMECO38	49	1
MFMECO39	50	1
MFMECO40	51	1
MFMECO41	52	1
MFMECO42	53	1
MFMECO43	54	1
MFMECO44	55	1
MFMECO45	56	1
MFMECO46	57	1
MFMECO47	58	1
MFMECO48	59	1
MFMECO49	60	1
MFMECO50	61	1
MFMECO51	62	1
MFMECO52	63	1
MFMECO53	64	1
MFMECO54	65	1
MFMECO55	66	1
MFMECO56	67	1
MFMECO57	68	1
MFMECO58	69	1
MFMECO59	70	1

Long Series

Série Longue

CODE	Ø	PCS
MFMELCO01	12	1
MFMELCO02	13	1
MFMELCO03	14	1
MFMELCO04	15	1
MFMELCO05	16	1
MFMELCO06	17	1
MFMELCO07	18	1
MFMELCO08	19	1
MFMELCO09	20	1
MFMELCO10	21	1
MFMELCO11	22	1
MFMELCO12	23	1
MFMELCO13	24	1
MFMELCO14	25	1
MFMELCO15	26	1
MFMELCO16	27	1
MFMELCO17	28	1
MFMELCO18	29	1
MFMELCO19	30	1
MFMELCO20	31	1
MFMELCO21	32	1
MFMELCO22	33	1
MFMELCO23	34	1
MFMELCO24	35	1
MFMELCO25	36	1
MFMELCO26	37	1
MFMELCO27	38	1
MFMELCO28	39	1
MFMELCO29	40	1
MFMELCO30	41	1

Long Series

Série Longue

CODE	Ø	PCS
MFMELCO31	42	1
MFMELCO32	43	1
MFMELCO33	44	1
MFMELCO34	45	1
MFMELCO35	46	1
MFMELCO36	47	1
MFMELCO37	48	1
MFMELCO38	49	1
MFMELCO39	50	1
MFMELCO40	51	1
MFMELCO41	52	1
MFMELCO42	53	1
MFMELCO43	54	1
MFMELCO44	55	1
MFMELCO45	56	1
MFMELCO46	57	1
MFMELCO47	58	1
MFMELCO48	59	1
MFMELCO49	60	1
MFMELCO50	61	1
MFMELCO51	62	1
MFMELCO52	63	1
MFMELCO53	64	1
MFMELCO54	65	1
MFMELCO55	66	1
MFMELCO56	67	1
MFMELCO57	68	1
MFMELCO58	69	1
MFMELCO59	70	1

FRESAS PARA MÁQUINAS ELETROMAGNÉTICA EM HSS+TIALN

WELDON SHANK TIALN ANNULAR CUTTERS FOR MAGNETIC DRILLS

FRAISES TIALN À CAROTTER AVEC WELDON QUEUE POUR MACHINES À EMBASE ÉLECTROMAGNÉTIQUE



Short Series

Série Courte

CODE	Ø	PCS
MFMETI01	12	1
MFMETI02	13	1
MFMETI03	14	1
MFMETI04	15	1
MFMETI05	16	1
MFMETI06	17	1
MFMETI07	18	1
MFMETI08	19	1
MFMETI09	20	1
MFMETI10	21	1
MFMETI11	22	1
MFMETI12	23	1
MFMETI13	24	1
MFMETI14	25	1
MFMETI15	26	1
MFMETI16	27	1
MFMETI17	28	1
MFMETI18	29	1
MFMETI19	30	1

Others measures by request

Long Series

Série Longue

CODE	Ø	PCS
MFMELTI01	12	1
MFMELTI02	13	1
MFMELTI03	14	1
MFMELTI04	15	1
MFMELTI05	16	1
MFMELTI06	17	1
MFMELTI07	18	1
MFMELTI08	19	1
MFMELTI09	20	1
MFMELTI10	21	1
MFMELTI11	22	1
MFMELTI12	23	1
MFMELTI13	24	1
MFMELTI14	25	1
MFMELTI15	26	1
MFMELTI16	27	1
MFMELTI17	28	1
MFMELTI18	29	1
MFMELTI19	30	1

Others measures by request

FRESAS PARA MÁQUINAS ELETROMAGNÉTICAS EM TCT - DENTES METAL DURO

WELDON SHANK CARBIDE TIP ANNULAR CUTTERS FOR MAGNETIC DRILLS

FRAISES À CAROTTER AU CARBURE DE TUNGSTÈNE AVEC WELDON QUEUE POUR MACHINES À EMBASE ÉLECTROMAGNÉTIQUE

CARBIDE



Short Series

Série Courte

CODE	Ø	PCS
MFMET01	12	1
MFMET02	13	1
MFMET03	14	1
MFMET04	15	1
MFMET05	16	1
MFMET06	17	1
MFMET07	18	1
MFMET08	19	1
MFMET09	20	1
MFMET10	21	1
MFMET11	22	1
MFMET12	23	1
MFMET13	24	1
MFMET14	25	1
MFMET15	26	1
MFMET16	27	1
MFMET17	28	1
MFMET18	29	1
MFMET19	30	1
MFMET20	31	1
MFMET21	32	1
MFMET22	33	1
MFMET23	34	1
MFMET24	35	1
MFMET25	36	1
MFMET26	37	1
MFMET27	38	1
MFMET28	39	1
MFMET29	40	1
MFMET30	41	1
MFMET31	42	1
MFMET32	43	1
MFMET33	44	1
MFMET34	45	1
MFMET35	46	1
MFMET36	47	1
MFMET37	48	1
MFMET38	49	1
MFMET39	50	1



Acrylic Display Set

Présentoir en Acrylique

Composition 19 pcs

Ø	UN
12 x 35	1
14 x 35	1
16 x 35	1
17 x 35	1
18 x 35	1
20 x 35	1
22 x 35	1
23 x 35	1
24 x 35	1
26 x 35	1
27 x 35	1
28 x 35	1
30 x 35	1
32 x 35	1
35 x 35	1
38 x 35	1
40 x 35	1
45 x 35	1
50 x 35	1

CODE

MFMETCT01

DISPLAY OFFER



Glass Display Set

Présentoir en Verre

Composition 19 pcs

Ø	UN
12 x 35	1
14 x 35	1
16 x 35	1
17 x 35	1
18 x 35	1
20 x 35	1
22 x 35	1
23 x 35	1
24 x 35	1
26 x 35	1
27 x 35	1
28 x 35	1
30 x 35	1
32 x 35	1
35 x 35	1
38 x 35	1
40 x 35	1
45 x 35	1
50 x 35	1

CODE

MFMETCT02

ADAPTADORES, EXPULSORES E PORTA FRESAS

ANNULAR CUTTERS ACCESSORIES FOR MAGNETIC DRILLS
ACCESSOIRES POUR FRAISES À CAROTTER

HSS

Adapters

Adaptateurs

CODE	Description
MFMEW01	Adapter Weldon - 18 Fein
MFMEW02	Adapter 18 Fein - Weldon



Ejector Pin

Propulseurs pour Fraises

CODE	Description
MFME50	Hole Cutter 6,34×77mm for 30mm Weldon Shank
MFME150	Hole Cutter 6,34×103mm for 50mm Weldon Shank



Ejector Pin for TCT

Propulseurs pour Fraises TCT

CODE	Description
MFMET90	Hole Cutter 7,1×112mm for 12 to 16mm Weldon Shank
MFMET91	Hole Cutter 8×112mm for 17 to 50mm Weldon Shank



Milling Cutter Holder without Lubrification for electromagnetic Hole Cutter


Porte-couteaux sans Lubrification pour
Fraises Électromagnétiques

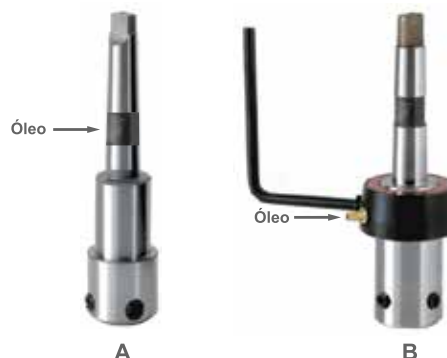
CODE	MT	L	WELDON 19.05mm
MFMEW10	2	160	12 ÷ 60
MFMEW11	3	175	12 ÷ 60



Milling Cutter Holder with Lubrification for electromagnetic Hole Cutter

Porte-couteaux avec Lubrification pour
Fraises Électromagnétiques

CODE	MT	L	 WELDON 19.05mm
MFMEW20	A	2	160
MFMEW21	A	3	160
MFMEW22	B	2	160
MFMEW23	B	3	160



EXPOSITORES E MALAS DE FRESAS P/ MÁQUINAS C/ BASE ELETROMAGNÉTICA

CORE DRILL DISPLAYS AND CASES FOR MAGNETIC DRILLS

PRÉSENTOIRS ET COFFRETS DE COUPE POUR MACHINES À BASE ÉLECTROMAGNÉTIQUE

HSS M2L

M2L (HSS + Aluminium))

M2L (HSS+Aluminium)



Acrylic Display Set Présentoir en Acrylique

Composition 20 pcs

Ø	UN
12 x 30	1
14 x 30	1
16 x 30	1
17 x 30	1
18 x 30	1
20 x 30	1
22 x 30	1
23 x 30	1
24 x 30	1
26 x 30	1
27 x 30	1
28 x 30	1
30 x 30	1
20 x 50	1
22 x 50	1
24 x 50	1
26 x 50	1
28 x 50	1
30 x 50	1
40 x 50	1

CODE

MFMEES0

DISPLAY OFFER



HSS Drills Case Set Coffret de Fraise HSS

Composition 7 pcs

Ø	UN
12 x 30	1
14 x 30	1
16 x 30	1
18 x 30	1
20 x 30	1
22 x 30	1

1 Hole Cutter 6,34x77mm

CASE OFFER

CODE

MFMEES1

HSS-CO 8% (para Inox)

HSS-CO 8% (pour inox)



Acrylic Display Set Présentoir en Acrylique

Composition 20 pcs

Ø	UN
12 x 30	1
14 x 30	1
16 x 30	1
17 x 30	1
18 x 30	1
20 x 30	1
22 x 30	1
23 x 30	1
24 x 30	1
26 x 30	1
27 x 30	1
28 x 30	1
30 x 30	1
20 x 50	1
22 x 50	1
24 x 50	1
26 x 50	1
28 x 50	1
30 x 50	1
40 x 50	1

DISPLAY OFFER

CODE

MFMEECO01



HSS-CO 8% Drills Case Set Coffret Fraise HSS-CO 8%

Composition 7 pcs

Ø	UN
12 x 30	1
14 x 30	1
16 x 30	1
18 x 30	1
20 x 30	1
22 x 30	1

1 Hole Cutter 6,34x77mm

CASE OFFER

CODE

MFMEECO02

FRESAS PERFURADORAS RETIFICADAS E JOGOS EM HSS

HSS HOLE CUTTERS

FRAISES DE PERÇAGE HSS RECTIFIÉES



For drilling stainless steel, cast iron, plate sheet and aluminium up to 8mm thickness
Pour le perçage inox, fer fonte, tôle deacier et aluminium jusqu'à 8mm d'épaisseur



CODE	Ø	PCS
MFP12	12	1
MFP13	13	1
MFP14	14	1
MFP15	15	1
MFP16	16	1
MFP17	17	1
MFP18	18	1
MFP19	19	1
MFP20	20	1
MFP21	21	1
MFP22	22	1
MFP23	23	1
MFP24	24	1
MFP25	25	1
MFP26	26	1
MFP27	27	1
MFP28	28	1
MFP29	29	1
MFP30	30	1
MFP31	31	1
MFP32	32	1
MFP33	33	1
MFP34	34	1
MFP35	35	1
MFP36	36	1
MFP37	37	1
MFP38	38	1
MFP39	39	1
MFP40	40	1
MFP41	41	1
MFP42	42	1
MFP43	43	1
MFP44	44	1
MFP45	45	1
MFP46	46	1
MFP47	47	1
MFP48	48	1
MFP49	49	1
MFP50	50	1

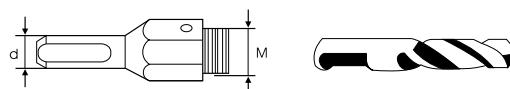
CODE	Ø	PCS
MFP50	50	1
MFP51	51	1
MFP52	52	1
MFP53	53	1
MFP54	54	1
MFP55	55	1
MFP56	56	1
MFP57	57	1
MFP58	58	1
MFP59	59	1
MFP60	60	1
MFP65	65	1
MFP70	70	1
MFP75	75	1
MFP80	80	1
MFP85	85	1
MFP90	90	1
MFP95	95	1
MFP96	100	1

Acrylic Display Set for Hole Cutters Présentoir de Fraises en Acrylique	
Composition 21 pcs	
Ø 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,38,40	
(1 pc each measure) DISPLAY OFFER	CODE MFJPM18

Acrylic Display Set for Hole Cutters Présentoir de Fraises en Acrylique	
Composition 31 pcs	
Ø 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40, 45, 50	
(1 pc each measure) DISPLAY OFFER	CODE MFJPM12



Hole Cutter Case Set Coffret de Fraises	
Composition 8 pcs	
Ø	UN
16	1
18	1
20	1
22	1
25	1
30	1
32	1
35	1
CODE MFJ001	



Adapters and Drills

Adaptateurs et Foret

CODE	Description	Ø	d	M
MFA12	Handle	12 to 14	8	10 x 1,25
MFA15	Handle	15 to 34	10	12 x 1,25
MFA50	Handle	35 to 50	10	14 x 1,50
MFA51	Handle	51 to 100	12	16 x 1,50
MFB12	Drill	12 to 100	6x52	

FRESAS PERFURADORAS RETIFICADAS E JOGOS EM HSS REVESTIDAS A TIN

TIN COATED HOLE CUTTERS

FRAISES DE PERÇAGE HSS RECTIFIÉES ET REVÊTUES DE TIN



For drilling all metal material, especially stainless steel up to 8mm thickness

Pour le perçage le matériau métallique en acier en particulier inox jusqu'à 8mm épais



CODE	Ø	PCS
MFPT12	12	1
MFPT13	13	1
MFPT14	14	1
MFPT15	15	1
MFPT16	16	1
MFPT17	17	1
MFPT18	18	1
MFPT19	19	1
MFPT20	20	1
MFPT21	21	1
MFPT22	22	1
MFPT23	23	1
MFPT24	24	1
MFPT25	25	1
MFPT26	26	1
MFPT27	27	1
MFPT28	28	1
MFPT29	29	1
MFPT30	30	1
MFPT31	31	1
MFPT32	32	1
MFPT33	33	1
MFPT34	34	1
MFPT35	35	1
MFPT36	36	1
MFPT37	37	1
MFPT38	38	1
MFPT39	39	1

CODE	Ø	PCS
MFPT40	40	1
MFPT41	41	1
MFPT42	42	1
MFPT43	43	1
MFPT44	44	1
MFPT45	45	1
MFPT46	46	1
MFPT47	47	1
MFPT48	48	1
MFPT49	49	1
MFPT50	50	1
MFPT51	51	1
MFPT52	52	1
MFPT53	53	1
MFPT54	54	1
MFPT55	55	1
MFPT56	56	1
MFPT57	57	1
MFPT58	58	1
MFPT59	59	1
MFPT60	60	1

Acrylic Hole Cutters Display Set Présentoir de Fraises en Acrylique	
Composition 21 pcs	
Ø 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,38,40	

(1 pc each measure)
DISPLAY OFFER

CODE
MFJPT18

Acrylic Hole Cutters Display Set Présentoir de Fraises en Acrylique	
Composition 31 pcs	
Ø 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40, 45, 50	

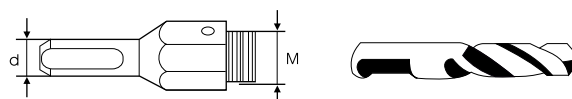
(1 pc each measure)
DISPLAY OFFER

CODE
MFJPT12



Mala de Fresas Coffret de Fraises	
Composition 8 pcs	
Ø	UN
16	1
18	1
20	1
22	1
25	1
30	1
32	1
35	1

CODE
MFJ002



Adapters and Drills

Adaptateurs et Foret

CODE	Description	Ø	d	M
MFA12	Handle	12 to 14	8	10 x 1,25
MFA15	Handle	15 to 34	10	12 x 1,25
MFA50	Handle	35 to 50	10	14 x 1,50
MFA51	Handle	51 to 100	12	16 x 1,50
MFBI2	Drill	12 to 100	6x52	

FRESAS PERFURADORAS RETIFICADAS E JOGOS EM HSS REVESTIDAS A TIALN

TIALN COATED HOLE CUTTERS

FRAISES DE PERÇAGE HSS RECTIFIÉES ET REVÊTUES DE TIALN

TIALN



— 23 MM —



For drilling steel, iron, light alloys and all types of metallic material up to 8mm thickness, especially stainless steels

Pour le perçage inox, fer fonte, tôle de acier et aluminium jusqu'à 8mm d'épaisseurs



Acrylic Display Set for Hole Cutters

Présentoir de Fraises en Acrylique

Composition 21 pcs

Ø 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,38,40

(1 fresa each measure)
DISPLAY OFFER

CODE

MFJPTI21

Acrylic Display Set for Hole Cutters

Présentoir de Fraises en Acrylique

Composition 31 pcs

Ø 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40, 45, 50

(1 pc each measure)
DISPLAY OFFER

CODE

MFJPTI31

Hole Cutter Case Set

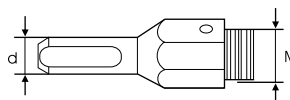
Coffret de Fraises

Composition 8 pcs

Ø	UN
16	1
18	1
20	1
22	1
25	1
30	1
32	1
35	1

CODE

MFJ003



Adapters and Drills

Adaptateurs et Foret

CODE	Description	Ø	d	M
MFA12	Handle	12 to 14	8	10 x 1,25
MFA15	Handle	15 to 34	10	12 x 1,25
MFA50	Handle	35 to 50	10	14 x 1,50
MFA51	Handle	51 to 100	12	16 x 1,50
MFB12	Drill	12 to 100	6x52	

FRESAS PERFORADORAS TCT COM DENTES EM METAL DURO (PARA INOX) E JOGOS

TUNGSTEN CARBIDE TIPPED HOLE CUTTERS FOR STAINLESS STEEL

FRAISES DE PERÇAGE TCT AVEC DENTS EN CARBURE (POUR L'ACIER INOXYDABLE)



For drilling stainless steel and hard plate steel

Pour percer la plaque en acier inoxydable et l'acier dur



CODE	Ø	PCS
MFPMD15	15	1
MFPMD16	16	1
MFPMD17	17	1
MFPMD18	18	1
MFPMD19	19	1
MFPMD20	20	1
MFPMD21	21	1
MFPMD22	22	1
MFPMD23	23	1
MFPMD24	24	1
MFPMD25	25	1
MFPMD26	26	1
MFPMD27	27	1
MFPMD28	28	1
MFPMD29	29	1
MFPMD30	30	1
MFPMD31	31	1
MFPMD32	32	1
MFPMD33	33	1
MFPMD34	34	1
MFPMD35	35	1
MFPMD36	36	1
MFPMD37	37	1
MFPMD38	38	1
MFPMD39	39	1
MFPMD40	40	1
MFPMD41	41	1
MFPMD42	42	1
MFPMD43	43	1
MFPMD44	44	1
MFPMD45	45	1
MFPMD46	46	1
MFPMD47	47	1
MFPMD48	48	1
MFPMD49	49	1

CODE	Ø	PCS
MFPMD50	50	1
MFPMD51	51	1
MFPMD52	52	1
MFPMD53	53	1
MFPMD54	54	1
MFPMD55	55	1
MFPMD56	56	1
MFPMD57	57	1
MFPMD58	58	1
MFPMD59	59	1
MFPMD60	60	1
MFPMD65	65	1
MFPMD70	70	1
MFPMD75	75	1
MFPMD80	80	1
MFPMD85	85	1
MFPMD90	90	1
MFPMD95	95	1
MFPMD100	100	1
MFPMD105	105	1
MFPMD110	110	1
MFPMD115	115	1
MFPMD120	120	1

Acrylic Hole Cutters Display Set Présentoir de Fraises en Acrylique	
Composition 21 pcs	
Ø 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,38,40	

(1 pc each measure)
DISPLAY OFFER

CODE
MFJMD18

Acrylic Hole Cutters Display Set Présentoir de Fraises en Acrylique	
Composition 31 pcs	
Ø 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40, 45, 50	

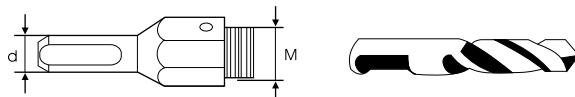
(1 pc each measure)
DISPLAY OFFER

CODE
MFJMD15



Hole Cutters Case Set Coffret de Fraises	
Composition 8 pcs	
Ø	UN
16	1
18	1
20	1
22	1
25	1
30	1
32	1
35	1

CODE
MFJ004



Adapters and Drills

Adaptateurs et Foret

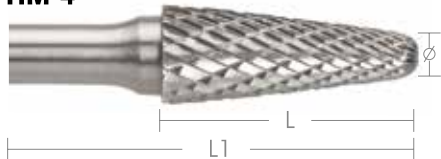
CODE	Description	Ø	d	M
MFAMD15	Handle	12 to 14	8	10 x 1,25
MFAMD22	Handle	15 to 34	10	12 x 1,25
MFAMD39	Handle	35 to 50	10	14 x 1,50
MFB15	Handle	51 to 100	12	16 x 1,50
MFB105	Drill	12 to 100	6x52	

FRESAS ROTATIVAS EM METAL DURO HM-4 E HM-3 (CABO Ø 6mm)

HM-4 AND HM-3 HARD METAL ROTARY MILLS (SHANK Ø 6mm)
FRAISES ROTATIFS EN CARBURE HM-4 ET HM-3 (CÂBLE Ø 6 mm)

CARBIDE

HM-4



Cross Cut:

For treated steel, stainless steel and metallix materials in general

Coupe Transversale:

Acier traité, acier inoxydable et matériaux métallique en général



CARBIDE

HM-3



Standard Cut:

For steel, aluminium and plastic materials

Coupe Transversale:

Pour l'acier, l'aluminium et les matériaux plastiques



CODE	Ø	x	L	x	L¹	PCS
MFR100	6	x	18	x	50	1
MFR101	8	x	18	x	63	1
MFR102	10	x	20	x	65	1
MFR103	12	x	25	x	70	1
MFR104	16	x	25	x	70	1
MFR105	6	x	18	x	50	1
MFR106	8	x	18	x	63	1
MFR107	10	x	20	x	65	1
MFR108	12	x	25	x	70	1
MFR109	16	x	25	x	70	1
MFR110	6	x	18	x	50	1
MFR111	8	x	18	x	63	1
MFR112	10	x	20	x	65	1
MFR113	12	x	25	x	70	1
MFR114	16	x	25	x	70	1
MFR115	6	x	18	x	50	1
MFR116	8	x	18	x	63	1
MFR117	10	x	20	x	65	1
MFR118	12	x	25	x	70	1
MFR119	16	x	25	x	70	1
MFR120	6	x	18	x	50	1
MFR121	8	x	18	x	63	1
MFR122	10	x	20	x	65	1
MFR123	12	x	25	x	70	1
MFR124	16	x	25	x	70	1
MFR125	6	x	18	x	50	1
MFR126	8	x	18	x	63	1
MFR127	10	x	20	x	65	1
MFR128	12	x	25	x	70	1
MFR129	16	x	25	x	70	1
MFR130	6	x	18	x	50	1
MFR131	8	x	18	x	63	1
MFR132	10	x	16	x	65	1
MFR133	12	x	25	x	70	1
MFR134	16	x	25	x	70	1
MFR135	6	x	5	x	50	1
MFR136	8	x	7	x	63	1
MFR137	10	x	9	x	65	1
MFR138	12	x	10	x	70	1
MFR139	16	x	14	x	70	1

HM-4

Cylindrical / Cylindrique	Type A
Spherical Cylindrical / Cylindrique Sphérique	Type B
Point Ogive / Ogive	Type C
Rounded Ogive / Ogive Rayón	Type D
Point Conical / Cónique	Type E
Rounded Conical/ Cónique	Type F
Oval/ Ovale	Type G
Spherical / Sphérique	Type H

CODE	Ø	x	L	x	L¹	PCS
MFR140	6	x	18	x	50	1
MFR141	8	x	18	x	63	1
MFR142	10	x	20	x	65	1
MFR143	12	x	25	x	70	1
MFR144	16	x	25	x	70	1
MFR145	6	x	18	x	50	1
MFR146	8	x	18	x	63	1
MFR147	10	x	20	x	65	1
MFR148	12	x	25	x	70	1
MFR149	16	x	25	x	70	1
MFR150	6	x	18	x	50	1
MFR151	8	x	18	x	63	1
MFR152	10	x	20	x	65	1
MFR153	12	x	25	x	70	1
MFR154	16	x	25	x	70	1
MFR155	6	x	18	x	50	1
MFR156	8	x	18	x	63	1
MFR157	10	x	20	x	65	1
MFR158	12	x	25	x	70	1
MFR159	16	x	25	x	70	1
MFR160	6	x	18	x	50	1
MFR161	8	x	18	x	63	1
MFR162	10	x	20	x	65	1
MFR163	12	x	25	x	70	1
MFR164	16	x	25	x	70	1
MFR165	6	x	18	x	50	1
MFR166	8	x	18	x	63	1
MFR167	10	x	20	x	65	1
MFR168	12	x	25	x	70	1
MFR169	16	x	25	x	70	1
MFR170	6	x	18	x	50	1
MFR171	8	x	18	x	63	1
MFR172	10	x	16	x	65	1
MFR173	12	x	25	x	70	1
MFR174	16	x	25	x	70	1
MFR175	6	x	5	x	50	1
MFR176	8	x	7	x	63	1
MFR177	10	x	9	x	65	1
MFR178	12	x	10	x	70	1
MFR179	16	x	14	x	70	1

EXPOSITOR E JOGOS DE FRESAS ROTATIVAS EM METAL DURO HM-4 E HM-3

DISPLAY AND SET OF ROTARY CUTTER MILLS HM-4 AND HM-3

PRÉSENTOIR ET JEUX DE FRAISES ROTATIVES EN CARBURE HM-4 ET HM-3

CARBIDE



HM-4 Acrylic Display Set

Jeux en Acrylique HM-4

Composition 32 pcs

Type	Ø	UN	Type	Ø	UN
A	6-8-10-12	4 (1 cada)	E	6-8-10-12	4 (1 cada)
B	6-8-10-12	4 (1 cada)	F	6-8-10-12	4 (1 cada)
C	6-8-10-12	4 (1 cada)	G	6-8-10-12	4 (1 cada)
D	6-8-10-12	4 (1 cada)	H	6-8-10-12	4 (1 cada)

DISPLAY OFFER

CODE

MFRE21

CARBIDE



HM-4 Acrylic Display Set

Jeux en Acrylique HM-4

Composition 12 pcs

Type	Ø	UN	Type	Ø	UN
A	6 x 18	1	B	10 x 20	1
A	8 x 18	1	B	12 x 25	1
A	10 x 20	1	C	12 x 25	1
A	12 x 25	1	D	12 x 25	1
B	6 x 18	1	E	12 x 25	1
B	8 x 18	1	F	12 x 25	1

DISPLAY OFFER

CODE

MFRE20

CARBIDE



HM-4 Acrylic Display Set

Jeux en Acrylique HM-4

Composition 10 pcs

Type	Ø	UN	Type	Ø	UN
A	6 x 18	1	D	10 x 20	1
A	10 x 20	1	E	10 x 20	1
B	8 x 18	1	F	12 x 25	1
B	12 x 25	1	G	10 x 16	1
C	12 x 25	1	H	8 x 7	1

DISPLAY OFFER

CODE

MFRE02

CARBIDE



HM-3 Acrylic Display Set

Jeux en Acrylique HM-3

Composition 10 pcs

Type	Ø	UN	Type	Ø	UN
A	6 x 18	1	D	10 x 20	1
A	10 x 20	1	E	10 x 20	1
B	8 x 18	1	F	12 x 25	1
B	12 x 25	1	G	10 x 16	1
C	12 x 25	1	H	8 x 7	1

DISPLAY OFFER

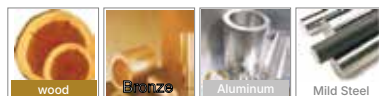
CODE

MFRE01

FRESAS ROTATIVAS EM HSS (CABO Ø 6mm)

ROTARY MILLS IN HSS (SHANK Ø 6mm)
FRAISES ROTATIVES HSS (CÂBLE Ø 6mm)

HSS



Use: Cutting soft wood, bronze, mild steel and aluminium
Utilisation: Coupe de bois tendre, laiton, acier doux et aluminium

CODE	Ø	x	L	PCS
MFR200	6	x	20	1
MFR201	8	x	30	1
MFR202	10	x	30	1
MFR203	12	x	30	1
MFR204	15	x	30	1
MFR205	6	x	20	1
MFR206	8	x	30	1
MFR207	10	x	30	1
MFR208	12	x	30	1
MFR209	15	x	30	1
MFR210	6	x	20	1
MFR211	8	x	30	1
MFR212	10	x	30	1
MFR213	12	x	30	1
MFR214	15	x	30	1
MFR215	6	x	20	1
MFR216	8	x	30	1
MFR217	10	x	30	1
MFR218	12	x	30	1
MFR219	15	x	30	1
MFR220	6	x	5	1
MFR221	8	x	7	1
MFR222	10	x	9	1
MFR223	12	x	10	1
MFR224	15	x	14	1

Cylindrical / Cylindrique

Type A



Spherical Cylindrical / Cylindrique Sphérique

Type B



Sharpe Conical / Cónique

Type C



Ogive / Ogive

Type D



Spherical / Sphérique

Type H



HSS



HSS Acrylic Display Set

Jeux en Acrylique HSS

Composition 10 pcs

Type	Ø	UN	Type	Ø	UN
A	6 x 20	1	C	10 x 30	1
A	10 x 30	1	D	6 x 20	1
B	6 x 20	1	D	10 x 30	1
B	10 x 30	1	H	6 x 5	1
C	6 x 20	1	H	10 x 9	1

DISPLAY OFFER

CODE

MFRE06

VITRINES DE FRESAS

CUTTERS SHOWCASES
PRÉSENTOIRS FRAISES

Showcase
Offer



HSS

TIN



CODE

MFJ013

HSS Hole Cutters Set for Magnetic Drills

Fraises por Machines à
base Elect. en HSS

Composition 23 pcs

UN	Ø
1	12 x 30
1	13 x 30
1	14 x 30
1	15 x 30
1	16 x 30
1	17 x 30
1	18 x 30
1	19 x 30
1	20 x 30
1	21 x 30
1	22 x 30
1	23 x 30
1	24 x 30
1	25 x 30
1	26 x 30
1	27 x 30
1	28 x 30
1	29 x 30
1	30 x 30
1	32 x 30
1	35 x 30
1	38 x 30
1	40 x 30

CODE

MFME99

HSS/TIN Hole Cutters Set

Fraises de Perçage
HSS / TIN

Composition 38 pcs

UN	Ø	UN
1	15	1 34
1	16	1 35
1	17	1 36
1	18	1 37
1	19	1 38
1	20	1 39
1	21	1 40
1	22	1 41
1	23	1 42
1	24	1 43
1	25	1 44
1	26	1 45
1	27	1 46
1	28	1 47
1	29	1 48
1	30	1 49
1	31	1 50
1	32	1 55
1	33	1 60

CODE

MFPT99

Showcase
Offer



HSS-CO

HSS

CODE

MFJ020

Bimetal Hole Saws Set

Scies Trépans bmétalliques
HSS-CO

Composition 47 pcs

UN	Ø	UN	Ø
2	16	1	37
2	19	1	38
2	20	1	40
2	21	1	41
2	22	1	44
2	24	1	48
2	25	1	51
2	27	1	54
2	29	1	57
2	30	1	60
1	32	1	64
1	35	1	70
		1	76

6 Adapters GBS
6 Adapters GBP

CODE

MV1100

HSS Hole Cutters Set

Fraises de perçage HSS

Composition 59 pcs

UN	Ø	UN	Ø
2	15	2	33
2	16	2	34
2	17	2	35
2	18	2	36
2	19	2	37
2	20	1	38
2	21	1	39
2	22	1	40
2	23	1	41
2	24	1	42
2	25	1	43
2	26	1	44
2	27	1	45
2	28	1	46
2	29	1	47
2	30	1	48
2	31	1	49
2	32	1	50

CODE

MFP99

VITRINES DE FRESAS

CUTTERS SHOWCASES

PRÉSENTOIRS FRAISES

Showcase
Offer

TIALN



TIALN Hole Cutters for Stainless Steel Set

Fraises de perçage TIALN
par Inox

Composition 38 pcs

UN	Ø	UN	Ø
1	15	1	34
1	16	1	35
1	17	1	36
1	18	1	37
1	19	1	38
1	20	1	39
1	21	1	40
1	22	1	41
1	23	1	42
1	24	1	43
1	25	1	44
1	26	1	45
1	27	1	46
1	28	1	47
1	29	1	48
1	30	1	49
1	31	1	50
1	32	1	55
1	33	1	60

CODE

MFPTI99

Showcase
Offer

CARBIDE



TCT Hole Cutters for Stainless Steel Set

Fraises de perçage TCT
par Inox

Composition 38 pcs

UN	Ø	UN	Ø
1	15	1	34
1	16	1	35
1	17	1	36
1	18	1	37
1	19	1	38
1	20	1	39
1	21	1	40
1	22	1	41
1	23	1	42
1	24	1	43
1	25	1	44
1	26	1	45
1	27	1	46
1	28	1	47
1	29	1	48
1	30	1	49
1	31	1	50
1	32	1	55
1	33	1	60

CODE

MFPM99

VITRINES DE FRESAS

CUTTERS SHOWCASES
PRÉSENTOIRS FRAISES

Showcase
Offer



CODE

MFJ016

Showcase
Offer



CODE

MFJ017

HSS Hole Cutters set for Electromagn. Machines

Fraises pour machine avec
base d'Elec. en HSS

Composition 23 pcs

UN	Ø
1	12 x 30
1	13 x 30
1	14 x 30
1	15 x 30
1	16 x 30
1	17 x 30
1	18 x 30
1	19 x 30
1	20 x 30
1	21 x 30
1	22 x 30
1	23 x 30
1	24 x 30
1	25 x 30
1	26 x 30
1	27 x 30
1	28 x 30
1	29 x 30
1	30 x 30
1	32 x 30
1	35 x 30
1	38 x 30
1	40 x 30

CODE

MFME99

HSS-CO Bimetal Hole Saw Set

Scies Trépans
Bimétalliques HSS-CO

Composition 47 pcs

UN	Ø	UN	Ø
2	16	2	37
2	19	2	38
2	20	2	40
2	21	2	41
2	22	1	44
2	24	1	48
2	25	1	51
2	27	1	54
2	29	1	57
2	30	1	60
1	32	1	64
1	35	1	70
		1	76

6 adapters GBS
6 adaptères GBP

CODE

MV1100

HSS Hole Cutters Set

Fraises de Perçage
HSS

Composition 59 pcs

UN	Ø	UN	Ø
2	15	2	33
2	16	2	34
2	17	2	35
2	18	2	36
2	19	2	37
2	20	1	38
2	21	1	39
2	22	1	40
2	23	1	41
2	24	1	42
2	25	1	43
2	26	1	44
2	27	1	45
2	28	1	46
2	29	1	47
2	30	1	48
2	31	1	49
2	32	1	50

CODE

MFP99

HM-4 Carbide Tipped HSS Hole Cutters Set

Fraises Rotatifs Carbure
HM-4

Composition 45 pcs

Tipo	Ø	UN	Tipo	Ø	UN
A	6	2	E	6	1
A	8	2	E	8	1
A	10	2	E	10	1
A	12	2	E	12	1
A	16	2	E	16	1
B	6	1	F	6	1
B	8	1	F	8	1
B	10	1	F	10	1
B	12	1	F	12	1
B	16	1	F	16	1
C	6	1	G	6	1
C	8	1	G	8	1
C	10	1	C	10	1
C	12	1	G	12	1
C	16	1	G	16	1
D	6	1	H	6	1
D	8	1	H	8	1
D	10	1	H	10	1
D	12	1	H	12	1
D	16	1	H	16	1

CODE

MFRE10

VITRINES DE FRESAS

CUTTERS SHOWCASES
PRÉSENTOIRS FRAISES

Showcase
Offer



HSS

HSS



CODE

MFJ018

Showcase
Offer



CARBIDE

HSS-CO

CODE

MFJ019

HSS Hole Cutters Set

Fraises de Perçage HSS

Composition 59 pcs

UN	Ø	UN	Ø
2	15	2	33
2	16	2	34
2	17	2	35
2	18	2	36
2	19	2	37
2	20	1	38
2	21	1	39
2	22	1	40
2	23	1	41
2	24	1	42
2	25	1	43
2	26	1	44
2	27	1	45
2	28	1	46
2	29	1	47
2	30	1	48
2	31	1	49
2	32	1	50

CODE

MFP99

HSS Hole Cutter Set for Electromag. Machine

Fraises pour Machine avec base d'Elec. en HSS

Composition 23 pcs

UN	Ø
1	12 x 30
1	13 x 30
1	14 x 30
1	15 x 30
1	16 x 30
1	17 x 30
1	18 x 30
1	19 x 30
1	20 x 30
1	21 x 30
1	22 x 30
1	23 x 30
1	24 x 30
1	25 x 30
1	26 x 30
1	27 x 30
1	28 x 30
1	29 x 30
1	30 x 30
1	32 x 30
1	35 x 30
1	38 x 30
1	40 x 30

CODE

MFME99

TCT Hole Cutters for Stainless Steel Set

Fraises de perçage TCT par Inox

Composition 38 pcs

UN	Ø	UN	Ø
1	15	1	34
1	16	1	35
1	17	1	36
1	18	1	37
1	19	1	38
1	20	1	39
1	21	1	40
1	22	1	41
1	23	1	42
1	24	1	43
1	25	1	44
1	26	1	45
1	27	1	46
1	28	1	47
1	29	1	48
1	30	1	49
1	31	1	50
1	32	1	55
1	33	1	60

CODE

MFPMD99

HSS-CO Bimetal Hole Saws Set

Serras Craneanas Bimetalicas em HSS-CO

Composition 49 pcs

UN	Ø	UN	Ø
2	16	1	37
2	17	1	38
2	19	1	40
2	20	1	41
2	21	1	44
2	22	1	48
2	24	1	51
2	25	1	54
2	27	1	57
2	29	1	60
2	30	1	64
1	32	1	70
1	35	1	76

6 adapters GBS
6 adapters GBP

CODE

MV1100

JOGOS DE MACHOS MANUAIS HSS

HSS HAND TAPS SETS

JEUX DE TARAUDS À MAIN HSS

HSS



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°2 - 1/2 Semiroughing Taraud n°2 - 1/2 Semi-ébauche



Hand Tap n°3 - Finishing Taraud n°3 - Droite

M

DIN
352

HSS



HSS



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°3 - Finishing Taraud n°3 - Droite

MF

DIN
2181

HSS



HSS DIN352 Metric Thread

Filetage métrique HSS DIN352

CODE	Measure	I mm	L mm	PCS
MJP550	M 2 x 0,40	10	36	3
MJP551	M 2,5 x 0,45	12	40	3
MJP552	M 3 x 0,50	12	40	3
MJP553	M 4 x 0,70	14	45	3
MJP554	M 5 x 0,80	14	50	3
MJP555	M 6 x 1,00	16	56	3
MJP578	M 7 x 1,00	19	50	3
MJP556	M 8 x 1,25	18	63	3
MJP579	M 9 x 1,25	22	63	3
MJP557	M 10 x 1,50	25	70	3
MJP558	M 12 x 1,75	30	75	3
MJP559	M 14 x 2,00	32	80	3
MJP560	M 16 x 2,00	32	80	3
MJP561	M 18 x 2,50	40	95	3
MJP562	M 20 x 2,50	40	95	3
MJP563	M 22 x 2,50	40	100	3
MJP564	M 24 x 3,00	50	110	3
MJP565	M 27 x 3,00	50	110	3
MJP566	M 30 x 3,50	50	125	3
MJP567	M 33 x 3,50	50	132	3
MJP568	M 36 x 4,00	56	150	3
MJP569	M 39 x 4,00	56	150	3
*MJP570	M 42 x 4,50	63	160	3
*MJP571	M 45 x 4,50	63	160	3
*MJP572	M 48 x 5,00	68	180	3
*MJP573	M 52 x 5,00	68	180	3
*MJP574	M 56 x 5,50	85	200	3
*MJP575	M 60 x 5,50	85	200	3
*MJP576	M 64 x 6,00	90	220	3
*MJP577	M 68 x 6,00	90	220	3

*Delivery by request/ Livraison sur demande

DIN2181 Metric Fine Thread

Filet métrique fin DIN2181

CODE	Measure	I mm	L mm	PCS
MJP650	M 4 x 0,50	10	45	2
MJP651	M 5 x 0,50	12	50	2
MJP652	M 6 x 0,75	14	50	2
MJP653	M 8 x 1,00	22	56	2
MJP654	M 10 x 1,00	20	63	2
MJP655	M 10 x 1,25	20	63	2
MJP656	M 12 x 1,00	22	70	2
MJP657	M 12 x 1,25	22	70	2
MJP658	M 12 x 1,50	22	70	2
MJP659	M 13 x 1,00	22	70	2
MJP660	M 14 x 1,00	22	70	2
MJP661	M 14 x 1,25	22	70	2
MJP662	M 14 x 1,50	22	70	2
MJP663	M 16 x 1,00	22	70	2
MJP664	M 16 x 1,50	22	70	2
MJP665	M 18 x 1,00	22	80	2
MJP666	M 18 x 1,50	22	80	2
MJP667	M 20 x 1,50	22	80	2
MJP668	M 20 x 2,00	22	80	2
MJP669	M 22 x 1,00	22	80	2
MJP670	M 22 x 1,50	22	80	2
MJP671	M 24 x 1,50	22	90	2
MJP672	M 24 x 2,00	22	90	2
MJP673	M 25 x 1,50	22	90	2
MJP674	M 26 x 1,50	22	90	2
MJP675	M 27 x 1,50	22	90	2
MJP676	M 27 x 2,00	22	90	2
MJP677	M 30 x 1,50	22	90	2
MJP678	M 30 x 2,00	22	90	2



JOGOS DE MACHOS MANUAIS EM HSS, HSS-CO E TIN

HSS HAND TAPS SETS

JEUX DE TARAUDS À MAIN HSS, HSS-CO ET TIN

HSS-CO



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°2 - 1/2 Semiroughing Taraud n°2 - 1/2 Semi-ébauche



Hand Tap n°3 - Finishing Taraud n°3 - Finition

HSS-CO Metric Thread for SSTL Vapo

HSS-CO Vapo Filetage métrique pour l'inco

CODE	Measure	I mm	L mm	PCS
MJ120	M 3 x 0,50	11	40	3
MJ121	M 4 x 0,70	13	45	3
MJ122	M 5 x 0,80	16	50	3
MJ123	M 6 x 1,00	19	50	3
MJ124	M 8 x 1,25	22	56	3
MJ125	M 10 x 1,50	24	70	3
MJ126	M 12 x 1,75	29	75	3
MJ127	M 14 x 2,00	30	80	3
MJ128	M 16 x 2,00	32	80	3
MJ129	M 18 x 2,50	40	95	3
MJ130	M 20 x 2,50	40	95	3

M

DIN
352

HSS-CO
VAPO



TIN



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°2 - 1/2 Semiroughing Taraud n°2 - 1/2 Semi-ébauche



Hand Tap n°3 - Finishing Taraud n°3 - Finition

TIN Metric Thread for SSTL

Filet métrique TIN pour l'inox

CODE	Measure	I mm	L mm	PCS
MJ150	M 3 x 0,50	11	40	3
MJ151	M 4 x 0,70	13	45	3
MJ152	M 5 x 0,80	16	50	3
MJ153	M 6 x 1,00	19	50	3
MJ154	M 8 x 1,25	22	56	3
MJ155	M 10 x 1,50	24	70	3
MJ156	M 12 x 1,75	29	75	3
MJ157	M 14 x 2,00	30	80	3
MJ158	M 16 x 2,00	32	80	3

M

DIN
352

TIN



HSS



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°2 - 1/2 Semiroughing Taraud n°2 - 1/2 Semi-ébauche



Hand Tap n°3 - Finishing Taraud n°3 - Finition

HSS Left Thread

HSS filetage à gauche

CODE	Measure	I mm	L mm	PCS
MJP900	M 3 x 0,50	11	40	3
MJP902	M 4 x 0,70	13	45	3
MJP904	M 5 x 0,80	16	50	3
MJP906	M 6 x 1,00	19	50	3
MJP908	M 8 x 1,25	22	56	3
MJP910	M 10 x 1,50	24	70	3
MJP912	M 12 x 1,75	29	75	3
MJP913	M 14 x 2,00	30	80	3
MJP914	M 16 x 2,00	32	80	3
MJP915	M 18 x 2,50	40	95	3
MJP916	M 20 x 2,50	40	95	3
MJP917	M 22 x 2,50	40	100	3
MJP918	M 24 x 3,00	50	110	3
MJP919	M 27 x 3,00	50	110	3
MJP920	M 30 x 3,50	56	125	3

Left
Thread

DIN
352

HSS



HSS



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°2 - 1/2 Semiroughing Taraud n°2 - 1/2 Semi-ébauche



Hand Tap n°3 - Finishing Taraud n°3 - Finition

BSW Thread

Filet BSW HSS

CODE	Measure	I mm	L mm	PCS
MJP760	1/8 x 40	12	40	3
MJP761	5/32 x 32	14	45	3
MJP762	3/16 x 24	14	45	3
MJP775	7/32 x 24	18	50	3
MJP763	1/4 x 20	22	56	3
MJP764	5/16 x 18	22	56	3
MJP765	3/8 x 16	25	70	3
MJP766	7/16 x 14	30	75	3
MJP767	1/2 x 12	30	75	3
MJP768	9/16 x 12	32	80	3
MJP769	5/8 x 11	32	80	3
MJP770	3/4 x 10	40	95	3
MJP771	7/8 x 9	40	100	3
MJP772	1" x 8	50	110	3
MJP773	1" 1/4 x 7	56	132	3
MJP774	1" 1/2 x 6	63	150	3

BSW

DIN
352

HSS



JOGOS DE MACHOS MANUAIS BSP (GAS), UNC E UNF-SAE EM HSS

HSS HAND TAPS SETS

JEUX DE TARAUDS POUR MACHINE À FILETAGE BSP (GAZ), UNC ET UNF-SAE EN HSS

HSS



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°2 - 1/2 Semiroughing Taraud n°2 - 1/2 Semi-ébauche

GAS
BSP

DIN
5157

HSS



HSS



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°2 - 1/2 Semiroughing Taraud n°2 - 1/2 Semi-ébauche



Hand Tap n°3 - Finishing Taraud n°3 - Finition

UNC

DIN
352

HSS



HSS Thread GAS BSP

Filetage GAS BSP HSS

CODE	Measure	I mm	L mm	PCS
MJP500	G 1/8 x 28	20	63	2
MJP501	G 1/4 x 19	20	70	2
MJP502	G 3/8 x 19	22	70	2
MJP503	G 1/2 x 14	22	80	2
MJP504	G 5/8 x 14	22	80	2
MJP505	G 3/4 x 14	22	90	2
MJP506	G 7/8 x 14	22	90	2
MJP507	G 1" x 11	25	100	2
MJP508	G 1 1/8 x 11	40	125	2
MJP509	G 1 1/4 x 11	40	125	2
MJP511	G 1 1/2 x 11	40	140	2
MJP512	G 1 3/4 x 11	40	140	2
MJP513	G 2" x 11	40	160	2

HSS Thread UNC

Filetage UNC HSS

CODE	Measure	I mm	L mm	PCS
MJP455	UNC 1/4 x 20	19	50	3
MJP456	UNC 5/16 x 18	22	56	3
MJP457	UNC 3/8 x 16	24	70	3
MJP458	UNC 7/16 x 14	24	70	3
MJP459	UNC 1/2 x 13	29	75	3
MJP460	UNC 9/16 x 12	30	80	3
MJP461	UNC 5/8 x 11	32	80	3
MJP462	UNC 3/4 x 10	40	95	3
MJP463	UNC 7/8 x 9	40	100	3
MJP464	UNC 1" x 8	50	110	3

HSS



Hand Tap n°1 - Roughing Taraud n°1 - Ébauche



Hand Tap n°3 - Finishing Taraud n°3 - Finition

UNF

DIN
352

HSS



HSS Thread UNF-SAE

Filetage UNF-SAE HSS

CODE	Measure	I mm	L mm	PCS
MJP400	UNF 1/4 x 28	18	50	2
MJP401	UNF 5/16 x 24	22	56	2
MJP402	UNF 3/8 x 24	22	63	2
MJP403	UNF 7/16 x 20	18	63	2
MJP404	UNF 1/2 x 20	30	75	2
MJP405	UNF 9/16 x 18	32	80	2
MJP406	UNF 5/8 x 18	32	80	2
MJP407	UNF 3/4 x 16	40	95	2
MJP408	UNF 7/8 x 14	40	100	2
MJP409	UNF 1" x 12	40	100	2



MACHOS MANUAIS ROSCA MÉTRICA HSS E ROSCA BSW / WHITWORTH HSS

HSS METRIC THREAD AND BSW WHITWORTH THREAD HAND TAPS

TARAUDS À MAIN À FILETAGE MÉTRIQUE HSS ET À FILETAGE HSS BSW / WHITWORTH

HSS

HSS Metric Thread DIN352

Filetage métrique HSS DIN352

Measure			l mm	L mm	PCS
M 2	x	0,40	10	36	1
M 2,5	x	0,45	12	40	1
M 3	x	0,50	12	40	1
M 4	x	0,70	14	45	1
M 5	x	0,80	14	50	1
M 6	x	1,00	16	56	1
M 7	x	1,00	19	50	1
M 8	x	1,25	18	63	1
M 9	x	1,25	22	63	1
M 10	x	1,50	25	70	1
M 12	x	1,75	30	75	1
M 14	x	2,00	32	80	1
M 16	x	2,00	32	80	1
M 18	x	2,50	40	95	1
M 20	x	2,50	40	95	1
M 22	x	2,50	40	100	1
M 24	x	3,00	50	110	1
M 27	x	3,00	50	110	1
M 30	x	3,50	50	125	1



Hand Tap n°1 Roughing
Taraud n°1 Ébauche



Hand Tap n°2 1/2 Semiroughing
Taraud n°2 1/2 Semi-ébauche



Hand Tap n°3 Finishing
Taraud n°3 Finition

CODE
MJPA001
MJPA002
MJPA003
MJPA005
MJPA006
MJPA007
MJPA008
MJPA009
MJPA010
MJPA011
MJPA013
MJPA014
MJPA015
MJPA016
MJPA017
MJPA018
MJPA019
MJPA020
MJPA021

CODE
MJPA025
MJPA026
MJPA027
MJPA029
MJPA030
MJPA031
MJPA032
MJPA033
MJPA034
MJPA035
MJPA037
MJPA038
MJPA039
MJPA040
MJPA041
MJPA042
MJPA043
MJPA044
MJPA045

CODE
MJPA050
MJPA051
MJPA052
MJPA054
MJPA055
MJPA056
MJPA057
MJPA058
MJPA059
MJPA060
MJPA062
MJPA063
MJPA064
MJPA065
MJPA066
MJPA067
MJPA068
MJPA069
MJPA070

M

DIN
352

HSS

Rosca BSW / Whitworth HSS

Filetage BSW / Whitworth HSS

Measure			l mm	L mm	PCS
W 1/8	x	40	12	40	1
W 5/32	x	32	14	45	1
W 3/16	x	24	14	45	1
W 7/32	x	24	18	50	1
W 1/4	x	20	22	56	1
W 5/16	x	18	22	56	1
W 3/8	x	16	25	70	1
W 7/16	x	14	30	75	1
W 1/2	x	12	30	75	1
W 9/16	x	12	32	80	1
W 5/8	x	11	32	80	1
W 3/4	x	10	40	95	1
W 7/8	x	9	40	100	1
W 1"	x	8	50	110	1
W 1 1/4"	x	7	56	132	1
W 1 1/2"	x	6	63	150	1



Hand Tap n°1 Roughing
Taraud n°1 Ébauche



Hand Tap n°2 1/2 Semiroughing
Taraud n°2 1/2 Semi-ébauche



Hand Tap n°3 Finishing
Taraud n°3 Finition

CODE
MJPA075
MJPA076
MJPA077
MJPA078
MJPA079
MJPA080
MJPA081
MJPA082
MJPA083
MJPA084
MJPA085
MJPA086
MJPA087
MJPA088
MJPA089
MJPA090

CODE
MJPA095
MJPA096
MJPA097
MJPA098
MJPA099
MJPA100
MJPA101
MJPA102
MJPA103
MJPA104
MJPA105
MJPA106
MJPA107
MJPA108
MJPA109
MJPA110

CODE
MJPA115
MJPA116
MJPA117
MJPA118
MJPA119
MJPA120
MJPA121
MJPA122
MJPA123
MJPA124
MJPA125
MJPA126
MJPA127
MJPA128
MJPA129
MJPA130

BSW

DIN
352

HSS



MACHOS PARA MÁQUINA ROSCA MÉTRICA EM HSS DIN371/376

HSS MACHINE TAPS WITH METRIC THREAD DIN371/376

TARAUDS POUR MACHINES À FILETAGE MÉTRIQUES HSS DIN371/376

HSS



HSS

DIN
371/376

Form B

HSS Straight Tap DIN371/376

Couteaux droites DIN371/376 HSS

CODE	Measure	I mm	L mm	PCS
DIN371				
MJP600	M 3 x 0,50	11	56	1
MJP601	M 4 x 0,70	13	63	1
MJP602	M 5 x 0,80	16	70	1
MJP603	M 6 x 1,00	19	80	1
MJP604	M 8 x 1,25	22	90	1
MJP605	M 10 x 1,50	24	100	1
DIN376				
MJP606	M 12 x 1,75	29	110	1
MJP607	M 14 x 2,00	30	110	1
MJP608	M 16 x 2,00	32	110	1
MJP609	M 18 x 2,50	34	125	1
MJP610	M 20 x 2,50	34	140	1
MJP611	M 22 x 2,50	34	140	1
MJP612	M 24 x 3,00	38	160	1
MJP613	M 27 x 3,00	45	135	1
MJP614	M 30 x 3,50	48	138	1



HSS

DIN
371/376

Form B
35°

HSS Spiral Tap DIN371/376

Couteaux hélicoïdaux DIN371/376 HSS

CODE	Measure	I mm	L mm	PCS
DIN371				
MJP720	M 3 x 0,50	11	56	1
MJP721	M 4 x 0,70	13	63	1
MJP722	M 5 x 0,80	16	70	1
MJP723	M 6 x 1,00	19	80	1
MJP724	M 8 x 1,25	22	90	1
MJP725	M 10 x 1,50	24	100	1
DIN376				
MJP726	M 12 x 1,75	29	110	1
MJP727	M 14 x 2,00	30	110	1
MJP728	M 16 x 2,00	32	110	1
MJP729	M 18 x 2,50	34	125	1
MJP730	M 20 x 2,50	34	140	1

HSS

DIN
371/376

Forma B



HSS

DIN
371/376

Forma B
35°



HSS Straight Tap Set DIN371/376

Jeu Tarauds Pour Machine Droite
DIN371/376 HSS

Composition 7 pcs (1 each Measure)

Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

HSS Spiral Tap Set DIN371/376

Jeu Tarauds pour Machine Hélicoïdal
DIN371/376 HSS

Composition 7 pcs (1 each measure)

Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

CODE
MJP690



CODE
MJP691

MASTER PROF
PROFESSIONAL TOOLS

MACHOS PARA MÁQUINA ROSCA MÉTRICA EM HSS-CO DIN371/376

HSS-CO MACHINE TAPS WITH METRIC THREAD DIN371/376

TARAUDS POUR MACHINES À FILETAGE MÉTRIQUES HSS-CO DIN371/376

HSS-CO



HSS-CO

DIN
371/376

Form B

HSS-CO Straight Tap DIN371/376

Lames Droites DIN371/376 HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMP001	M 3 x 0,50	11	56	1
MMP002	M 4 x 0,70	13	63	1
MMP003	M 5 x 0,80	16	70	1
MMP004	M 6 x 1,00	19	80	1
MMP005	M 8 x 1,25	22	90	1
MMP006	M 10 x 1,50	24	100	1
DIN376				
MMP007	M 12 x 1,75	29	110	1
MMP008	M 14 x 2,00	30	110	1
MMP009	M 16 x 2,00	32	110	1
MMP010	M 18 x 2,50	34	125	1
MMP011	M 20 x 2,50	34	140	1
MMP012	M 22 x 2,50	34	140	1
MMP013	M 24 x 3,00	38	160	1
MMP014	M 27 x 3,00	45	160	1
MMP015	M 30 x 3,50	48	180	1



HSS-CO

DIN
371/376

Form B
35°

HSS-CO Spiral Tap DIN371/376

Lames Hélicoidales DIN371/376 HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMP016	M 3 x 0,50	11	56	1
MMP017	M 4 x 0,70	13	63	1
MMP018	M 5 x 0,80	16	70	1
MMP019	M 6 x 1,00	19	80	1
MMP020	M 8 x 1,25	22	90	1
MMP021	M 10 x 1,50	24	100	1
DIN376				
MMP022	M 12 x 1,75	29	110	1
MMP023	M 14 x 2,00	30	110	1
MMP024	M 16 x 2,00	32	110	1
MMP025	M 18 x 2,50	34	125	1
MMP026	M 20 x 2,50	34	140	1

HSS-CO

DIN
371/376

Form B



HSS-CO

DIN
371/376

Form B
35°



HSS-CO Straight Tap Set DIN371/376

Jeu Tarauds pour Machine Lames Droites
DIN371/376 HSS-CO

Composition 7 pcs (1 each measure)

Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

HSS-CO Spiral Tap Set for machine DIN371/376

Jeu Tarauds pour Machine Lames Hélicoidales
DIN371/376 HSS-CO

Composition 7 pcs (1 each measure)

Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

CODE

MJCM01

CODE

MJCM02



MACHOS P/ MÁQUINA ROSCA BSW HSS-CO E ROSCA MÉTRICA TIN DIN371/376

HSS-CO BSW AND METRIC TIN MACHINE TAPS DIN371/376

TARAUDS POUR MACHINES À FILETAGE MÉTRIQUES BSW HSS-CO ET FILETAGE MÉTRIQUES TIN DIN371/376



HSS-CO	DIN 371/376	Form B
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BSW Thread/HSS-CO Straight Tap Whitworth

Filetage BSW / Whitworth Couteaux droites HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMP100 W	8 x 40	11	56	1
MMP101 W	5/32 x 32	13	63	1
MMP102 W	3/16 x 24	15	70	1
MMP103 W	1/4 x 20	17	80	1
MMP104 W	5/16 x 18	20	90	1
MMP105 W	3/8 x 16	22	100	1
DIN376				
MMP106 W	7/16 x 14	22	110	1
MMP107 W	1/2 x 12	24	110	1
MMP108 W	9/16 x 12	26	110	1
MMP109 W	5/8 x 11	27	125	1
MMP110 W	3/4 x 10	30	140	1
MMP111 W	7/8 x 9	32	140	1
MMP112 W	1" x 8	36	160	1



TIN	DIN 371/376	Form B
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Metric/Metric Fine Thread Straight Tap Whitworth

Filetage Métrique Couteaux droites - TIN

CODE	Measure	I mm	L mm	PCS
DIN371				
MMT01	M 3 x 0,50	10	56	1
MMT02	M 4 x 0,70	12	63	1
MMT03	M 5 x 0,80	14	70	1
MMT04	M 6 x 1,00	19	80	1
MMT05	M 8 x 1,25	22	90	1
MMT06	M 10 x 1,50	24	100	1
DIN376				
MMT07	M 12 x 1,75	24	110	1
MMT08	M 14 x 2,00	26	110	1
MMT09	M 16 x 2,00	27	110	1
MMT10	M 18 x 2,50	30	125	1
MMT11	M 20 x 2,50	32	140	1



HSS-CO
DIN 371/376
Form B



TIN
DIN 371/376
Form B

BSW Thread HSS-CO Straight Tap Set for Machine

Jeu Tarauds pour Machine Filetage Bsw
Lames Droites En HSS-CO

Composition 7 pcs (1 de cada Measure)

Ø 1/8 - 5/32 - 3/16 - 1/4 - 5/16 - 3/8 - 7/16

CODE
MJCM10

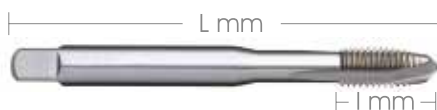
Metric Thread TIN Straight Tap Set

Jeu Tarauds pour Machine Filetage Métrique
Lames Droites En TIN

Composition 7 pcs (1 de cada Measure)

Ø M 3, M 4, M 5, M 6, M 8, M 10, M 12

CODE
M JCM20



MACHOS PARA MÁQUINA ROSCA BSP (GAS) EM HSS-CO DIN5156

HSS-CO MACHINE TAPS BSP (GAS) THREAD DIN5156

TARAUDS POUR MACHINE À FILETAGE BSP (GAZ) EN HSS-CO DIN5156

HSS-CO



HSS-CO	DIN 5156	Form B
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BSP (GAS) Thread HSS-CO Straight Tap

Filetage BSP (GAS) Couteaux droites HSS-CO

CODE		Measure		I mm	L mm	PCS
MMP050	G	1/8 x 28		20	90	1
MMP051	G	1/4 x 19		20	100	1
MMP052	G	3/8 x 19		22	100	1
MMP053	G	1/2 x 14		25	140	1
MMP054	G	5/8 x 14		25	140	1
MMP055	G	3/4 x 14		30	140	1
MMP056	G	7/8 x 14		30	160	1
MMP057	G	1" x 11		36	160	1
MMP058	G	1 1/8" x 11		30	170	1
MMP059	G	1 1/4" x 11		30	170	1
MMP060	G	1 1/2" x 11		32	190	1



HSS-CO	DIN 5156	Form B 35°
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BSP (GAS) Thread HSS-CO Spiral Tap

Filetage BSP (GAS) Couteaux Hélicoïdales HSS-CO

CODE		Measure		I mm	L mm	PCS
MMP070	G	1/8 x 28		20	90	1
MMP071	G	1/4 x 19		20	100	1
MMP072	G	3/8 x 19		22	100	1
MMP073	G	1/2 x 14		25	140	1
MMP074	G	5/8 x 14		25	140	1
MMP075	G	3/4 x 14		30	140	1
MMP076	G	7/8 x 14		30	160	1
MMP077	G	1" x 11		36	160	1
MMP078	G	1 1/8" x 11		30	170	1
MMP079	G	1 1/4" x 11		30	170	1
MMP080	G	1 1/2" x 11		32	190	1



MACHOS PARA MÁQUINA ROSCA MÉTRICA HSS-CO

HSS-CO BSW AND METRIC TIN MACHINE TAPS DIN371/376
TARAUDS POUR MACHINES À FILETAGE MÉTRIQUES HSS-CO

HSS-CO



UNIVERSAL < 1000 N/mm²

HSS-CO Straight Tap DIN371/376

Couteaux Droits DIN371/376 HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMP201	M 3 x 0,50	11	56	1
MMP202	M 4 x 0,70	13	63	1
MMP203	M 5 x 0,80	16	70	1
MMP204	M 6 x 1,00	19	80	1
MMP205	M 8 x 1,25	22	90	1
MMP206	M 10 x 1,50	24	100	1
DIN376				
MMP207	M 12 x 1,75	29	110	1
MMP208	M 14 x 2,00	30	110	1
MMP209	M 16 x 2,00	32	110	1
MMP210	M 18 x 2,50	34	125	1
MMP211	M 20 x 2,50	34	140	1
MMP212	M 22 x 2,50	34	140	1
MMP213	M 24 x 3,00	38	160	1
MMP214	M 27 x 3,00	38	160	1
MMP215	M 30 x 3,50	48	180	1

HSS-CO

DIN
371/376

Form B



UNIVERSAL < 1000 N/mm²

HSS-CO Spiral Tap DIN371/376

Couteaux Hélicoïdales DIN371/376 HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMP250	M 3 x 0,50	11	56	1
MMP251	M 4 x 0,70	13	63	1
MMP252	M 5 x 0,80	16	70	1
MMP253	M 6 x 1,00	19	80	1
MMP254	M 8 x 1,25	22	90	1
MMP255	M 10 x 1,50	24	100	1
DIN376				
MMP256	M 12 x 1,75	29	110	1
MMP257	M 14 x 2,00	30	110	1
MMP258	M 16 x 2,00	32	110	1
MMP259	M 18 x 2,50	34	125	1
MMP260	M 20 x 2,50	34	140	1

HSS-CO

DIN
371/376

Form B

UNIVERSAL < 1000 N/mm²



HSS-CO

DIN
371/376

Form B



HSS-CO Straight Tap Set for Machine DIN371/376 Jeu Tarauds pour Machine Lames Droites DIN371/376 HSS-CO
Composition 7 pcs (1 each measure)
Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

CODE
MMP270

UNIVERSAL < 1000 N/mm²



HSS-CO

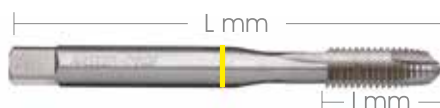
DIN
371/376

Form B
35°



HSS-CO Spiral Tap Set for Machines DIN371/376 Jeu Tarauds pour Machine Lames Hélicoïdales DIN371/376 HSS-CO
Composition 7 pcs (1 each measure)
Ø M 3, M 4, M 5, M 6, M 8, M 10, M 12

CODE
MMP271



MASTER PROF
PROFESSIONAL TOOLS

MACHOS P/MÁQUINA P/ TRABALHOS ESPECIAIS P/ INOX EM HSS-CO VAPO

HSS-CO MACHINE TAPS FOR SPECIAL INOX WORK

TARAUDS MACHINE HSS-CO POUR TRAVAUX SPÉCIAUX EN INOX

HSS-CO



INOX < 850 N/mm²

HSS-CO
VAPO

DIN
371/376

Form B

HSS-CO Straight Tap - VAPO

Couteaux droites HSS-CO - VAPO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMI01	M 3 x 0,50	11	56	1
MMI02	M 4 x 0,70	13	63	1
MMI03	M 5 x 0,80	16	70	1
MMI04	M 6 x 1,00	19	80	1
MMI05	M 8 x 1,25	22	90	1
MMI06	M 10 x 1,50	24	100	1
DIN376				
MMI07	M 12 x 1,75	29	110	1
MMI08	M 14 x 2,00	30	110	1
MMI09	M 16 x 2,00	32	110	1
MMI10	M 18 x 2,50	34	125	1
MMI11	M 20 x 2,50	34	140	1



INOX < 850 N/mm²

HSS-CO
VAPO

DIN
371/376

Form B
35°

HSS-CO Spiral Tap - VAPO

Couteaux hélicoïdaux HSS-CO - VAPO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMI15	M 3 x 0,50	11	56	1
MMI16	M 4 x 0,70	13	63	1
MMI17	M 5 x 0,80	16	70	1
MMI18	M 6 x 1,00	19	80	1
MMI19	M 8 x 1,25	22	90	1
MMI20	M 10 x 1,50	24	100	1
DIN376				
MMI21	M 12 x 1,75	29	110	1
MMI22	M 14 x 2,00	30	110	1
MMI23	M 16 x 2,00	32	110	1
MMI24	M 18 x 2,50	34	125	1
MMI25	M 20 x 2,50	34	140	1

INOX < 850 N/mm²



HSS-CO
VAPO

DIN
371/376

Form B



INOX < 850 N/mm²



HSS-CO
VAPO

DIN
371/376

Form B
35°



HSS-CO Straight Tap Set for Special Tasks Machines - VAPO

Jeu Tarauds à Machine pour Travaux Spéciales
Lames Droites HSS-CO - VAPO

Composition 7 pcs (1 each measure)

Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

CODE
MMI90

HSS-CO Spiral Tap Set for Special Tasks Machines - VAPO

Jeu Tarauds à Machine pour Travaux Spéciales
Lames Hélicoïdales HSS-CO - VAPO

Composition 7 pcs (1 each measure)

Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

CODE
MMI91



MASTER PROF
PROFESSIONAL TOOLS

MACHOS PARA MÁQUINA PARA TRABALHOS ESPECIAIS EM HSS-CO

HSS-CO MACHINE TAPS FOR SPECIAL WORK
TARAUDS MACHINE HSS-CO POUR TRAVAUX SPÉCIAUX

HSS-CO



< 1000 N/mm²

HSS-CO

DIN
371/376

Form B

Metric Thread HSS-CO Straight Tap

Filetage métrique Couteaux droites HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMA30	M 3 x 0,50	11	56	1
MMA31	M 4 x 0,70	13	63	1
MMA32	M 5 x 0,80	16	70	1
MMA33	M 6 x 1,00	19	80	1
MMA34	M 8 x 1,25	22	90	1
MMA35	M 10 x 1,50	24	100	1
DIN376				
MMA36	M 12 x 1,75	29	110	1
MMA37	M 14 x 2,00	30	110	1
MMA38	M 16 x 2,00	32	110	1
MMA39	M 18 x 2,50	34	125	1
MMA40	M 20 x 2,50	34	140	1



< 1000 N/mm²

HSS-CO

DIN
371/376

Form B
35°

Metric Thread HSS-CO Spiral Tap

Filetage métrique Couteaux hélicoïdaux HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMA50	M 3 x 0,50	11	56	1
MMA51	M 4 x 0,70	13	63	1
MMA52	M 5 x 0,80	16	70	1
MMA53	M 6 x 1,00	19	80	1
MMA54	M 8 x 1,25	22	90	1
MMA55	M 10 x 1,50	24	100	1
DIN376				
MMA56	M 12 x 1,75	29	110	1
MMA57	M 14 x 2,00	30	110	1
MMA58	M 16 x 2,00	32	110	1
MMA59	M 18 x 2,50	34	125	1
MMA60	M 20 x 2,50	34	140	1

< 1000 N/mm²



HSS-CO

DIN
371/376

Form B



Metric Thread HSS-CO Straight Tap Set for Special Tasks Machine

Jeu Tarauds à Machine pour Travaux Spéciales Filetage Métrique Lames Droites HSS-CO

Composition 7 pcs (1 each measure)

Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

< 1000 N/mm²



HSS-CO

DIN
371/376

Form B
35°



Metric Thread HSS-CO Spiral Tap Set for Special Tasks Machine

Jeu Tarauds à Machine pour Travaux Spéciales Filetage Métrique Lames Hélicoïdales HSS-CO

Composition 7 pcs (1 each measure)

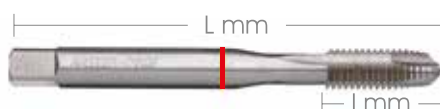
Ø M3 - M4 - M5 - M6 - M8 - M10 - M12

CODE

MMA90

CODE

MMA91



MACHOS PARA MÁQUINA PARA TRABALHOS ESPECIAIS EM HSS-CO

HSS-CO MACHINE TAPS FOR SPECIAL WORK

TARAUDS MACHINE HSS-CO POUR TRAVAUX SPÉCIAUX

HSS-CO



HSS-CO
TIALN

DIN
371/376

Form B

HSS-CO Straight Tap - TIALN

Couteaux droites HSS-CO - TIALN

CODE	Measure	I mm	L mm	PCS
DIN371				
MMTI01	M 3 x 0,50	11	56	1
MMTI02	M 4 x 0,70	13	63	1
MMTI03	M 5 x 0,80	16	70	1
MMTI04	M 6 x 1,00	19	80	1
MMTI05	M 8 x 1,25	22	90	1
MMTI06	M 10 x 1,50	24	100	1
DIN376				
MMTI07	M 12 x 1,75	29	110	1
MMTI08	M 14 x 2,00	30	110	1
MMTI09	M 16 x 2,00	32	110	1
MMTI10	M 18 x 2,50	34	125	1
MMTI11	M 20 x 2,50	34	140	1

HSS-CO

DIN
371/376

Form B
AZ



HSS-CO Alternative Thread for Aluminium

Filetage alterné pour aluminium et acier inoxydable HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMA01	M 3 x 0,50	11	56	1
MMA02	M 4 x 0,70	13	63	1
MMA03	M 5 x 0,80	16	70	1
MMA04	M 6 x 1,00	19	80	1
MMA05	M 8 x 1,25	22	90	1
MMA06	M 10 x 1,50	24	100	1
DIN376				
MMA07	M 12 x 1,75	29	110	1
MMA08	M 14 x 2,00	30	110	1
MMA09	M 16 x 2,00	32	110	1
MMA10	M 18 x 2,50	34	125	1
MMA11	M 20 x 2,50	34	140	1



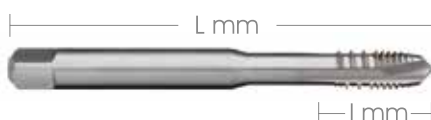
Nitrate
Titanium

DIN
371/376

HSS-CO Lamination Titanium Nitrate

Laminage au Nitrate de Titane HSS-CO

CODE	Measure	I mm	L mm	PCS
DIN371				
MMLA01	M 3 x 0,50	11	56	1
MMLA02	M 4 x 0,70	13	63	1
MMLA03	M 5 x 0,80	16	70	1
MMLA04	M 6 x 1,00	19	80	1
MMLA05	M 8 x 1,25	22	90	1
MMLA06	M 10 x 1,50	24	100	1
DIN376				
MMLA07	M 12 x 1,75	29	110	1
MMLA08	M 14 x 2,00	30	110	1
MMLA09	M 16 x 2,00	32	110	1
MMLA10	M 18 x 2,50	34	125	1



MACHOS P/ MÁQUINA MÉTRICA FINA EM HSS-CO DIN374/B (PASSES ESPECIAIS)

HSS-CO MACHINE TAPS WITH FINE METRIC DIN374/B (SPECIAL THREADS)

TARAUDS POUR MACHINE MÉTRIQUE FINE EN HSS-CO DIN374/B (PASSES SPÉCIALES)

HSS-CO



HSS-CO

DIN
374/B

ISO
2/6 H

CODE	Measure	I mm	L mm	PCS
MM001	MF 3 x 0,35	9	56	1
MM002	MF 4 x 0,35	10	63	1
MM003	MF 4 x 0,50	10	63	1
MM004	MF 5 x 0,50	12	70	1
MM005	MF 5 x 0,75	12	70	1
MM006	MF 6 x 0,50	14	80	1
MM007	MF 6 x 0,75	14	80	1
MM008	MF 7 x 0,75	14	80	1
MM009	MF 8 x 0,50	19	80	1
MM010	MF 8 x 0,75	19	80	1
MM011	MF 8 x 1,00	22	90	1
MM012	MF 9 x 0,75	19	80	1
MM013	MF 9 x 1,00	22	90	1
MM014	MF 10 x 0,75	20	90	1
MM015	MF 10 x 1,00	20	90	1
MM016	MF 10 x 1,25	24	100	1
MM017	MF 11 x 1,00	20	90	1
MM018	MF 11 x 1,25	22	90	1
MM019	MF 12 x 0,75	22	100	1
MM020	MF 12 x 1,00	22	100	1
MM021	MF 12 x 1,25	22	100	1
MM022	MF 12 x 1,50	22	100	1
MM023	MF 13 x 1,00	22	100	1
MM024	MF 13 x 1,50	22	100	1
MM025	MF 14 x 0,75	22	100	1
MM026	MF 14 x 1,00	22	100	1
MM027	MF 14 x 1,25	22	100	1
MM028	MF 14 x 1,50	22	100	1
MM029	MF 15 x 1,00	22	100	1
MM030	MF 15 x 1,50	22	100	1
MM031	MF 16 x 1,00	22	100	1
MM032	MF 16 x 1,25	22	100	1
MM033	MF 16 x 1,50	22	100	1
MM034	MF 18 x 1,00	25	110	1
MM035	MF 18 x 1,25	25	110	1
MM036	MF 18 x 1,50	25	110	1
MM037	MF 18 x 2,00	34	125	1
MM038	MF 20 x 1,00	25	125	1
MM039	MF 20 x 1,25	25	125	1
MM040	MF 20 x 1,50	25	125	1
MM041	MF 20 x 2,00	34	140	1
MM042	MF 21 x 1,50	25	125	1
MM043	MF 22 x 1,00	25	125	1
MM044	MF 22 x 1,25	25	125	1
MM045	MF 22 x 1,50	25	125	1
MM046	MF 22 x 2,00	34	140	1
MM047	MF 23 x 1,50	25	125	1
MM048	MF 24 x 1,00	28	140	1
MM049	MF 24 x 1,25	28	140	1
MM050	MF 24 x 1,50	28	140	1
MM051	MF 24 x 2,00	28	140	1

CODE	Measure	I mm	L mm	PCS
MM052	MF 25 x 1,00	28	140	1
MM053	MF 25 x 1,50	28	140	1
MM054	MF 26 x 1,00	28	140	1
MM055	MF 26 x 1,50	28	140	1
MM056	MF 26 x 2,00	28	140	1
MM057	MF 27 x 1,00	28	140	1
MM058	MF 27 x 1,50	28	140	1
MM059	MF 27 x 2,00	28	140	1
MM060	MF 28 x 1,00	28	140	1
MM061	MF 28 x 1,50	28	140	1
MM062	MF 28 x 2,00	28	140	1
MM063	MF 29 x 1,50	28	150	1
MM064	MF 30 x 1,00	28	150	1
MM065	MF 30 x 1,50	28	150	1
MM066	MF 30 x 2,00	28	150	1
MM067	MF 30 x 2,50	45	180	1
MM068	MF 30 x 3,00	45	180	1
MM069	MF 32 x 1,50	28	150	1
MM070	MF 32 x 2,00	28	150	1
MM071	MF 32 x 3,00	50	180	1
MM072	MF 33 x 1,50	30	160	1
MM073	MF 33 x 2,00	30	160	1
MM074	MF 33 x 3,00	50	180	1
MM075	MF 34 x 1,50	30	170	1
MM076	MF 34 x 2,00	30	170	1
MM077	MF 35 x 1,50	30	170	1
MM078	MF 36 x 1,50	30	170	1
MM079	MF 36 x 2,00	30	170	1
MM080	MF 36 x 3,00	56	200	1
MM081	MF 38 x 1,50	30	170	1
MM082	MF 39 x 1,50	30	170	1
MM083	MF 39 x 2,00	30	170	1
MM084	MF 39 x 3,00	60	200	1
MM085	MF 40 x 1,50	30	170	1
MM086	MF 40 x 2,00	30	170	1
MM087	MF 40 x 3,00	60	200	1
MM088	MF 42 x 1,50	30	170	1
MM089	MF 42 x 2,00	30	170	1
MM090	MF 42 x 3,00	60	200	1
MM091	MF 45 x 1,50	32	180	1
MM092	MF 45 x 2,00	32	180	1
MM093	MF 45 x 3,00	50	200	1
MM094	MF 48 x 1,50	32	190	1
MM095	MF 48 x 2,00	32	190	1
MM096	MF 48 x 3,00	50	225	1
MM097	MF 50 x 1,50	32	190	1
MM098	MF 50 x 2,00	32	190	1
MM099	MF 50 x 3,00	50	225	1
MM100	MF 52 x 1,50	32	190	1
MM101	MF 52 x 2,00	32	190	1
MM102	MF 52 x 3,00	50	225	1
MM103	MF 63 x 1,50	50	275	1

* Navalhas helicoidais sob consulta

APLICAÇÕES DE MACHOS PARA MÁQUINA

MACHINE TAPS APPLICATIONS

APPLICATIONS DES TARAUDS MACHINE



Machine Taps with Color Ring

Name	Steel Construction ≤ 500 N/mm ²	Steel Construction ≥ 500 N/mm ²	Steel ≤ 1000 N/mm ²	Tempered Steel ≤ 1000 N/mm ²	Alloy Steel ≤ 1200 N/mm ²
Form B	●	●	●	○	
35°	●	●	●	○	
Male Drill	●	○			
Form B	●	●	●	●	●
35°	●	●	●	●	●
Form B VAP					
35° / VAP					

Special Machine Taps

Form B				●	●
Form B				●	●
Form B AZ	●	●			
Lamination					



Recommended
Recommandé



Appropriate
Approprié

APLICAÇÕES DE MACHOS PARA MÁQUINA

MACHINE TAPS APPLICATIONS

APPLICATIONS DES TARAUDS MACHINE

Hard Steel 40 60 HRC ≤ 850 N/mm²	Tool Steel ≤ 1000 N/mm²	Foundry ≤ 300 HB	Copper ≤ 400 N/mm	Aluminium Alloy ≤ 450 N/mm	Cutting Oil	Soluble Oil	Minimum Lubrication	Dry Work
	○		○	○	●	●	●	
	○		○	○	●	●	●	
○		○		●	●			
	●				●	●	●	
	●				●	●	●	
●					●	●	●	
●					●	●	●	

	●				●	●	●	
	●						●	●
		●	●		●			
			●	●	●	●		

MACHOS PARA TRABALHOS ESPECIAIS

TAPS FOR SPECIAL WORKS

TARAUDS MACHINE POUR TRAVAUX SPÉCIAUX

HSS-CO



HSS-CO

DIN
13

Combined Tap HSS-CO (2 in 1)

Foret - Taraud HSS-CO (2 en 1)

CODE	Measure	I mm	M mm	L mm	PCS
MMB01	M 3 x 0,50	16	11	56	1
MMB02	M 4 x 0,70	18	14	63	1
MMB03	M 5 x 0,80	20	18	71	1
MMB04	M 6 x 1,00	22	22	80	1
MMB05	M 8 x 1,25	26	25	95	1
MMB06	M 10 x 1,50	30	31	106	1
MMB07	M 12 x 1,75	32	35	115	1

HSS



HSS

DIN
3126



Drill - Tap - Countersink HSS (3 in 1)

Foret - Taraud - Fraise HSS (3 en 1)

CODE	Measure	I mm	L mm	PCS
MTX100	3 x 0,50	2,50	36	1
MTX101	4 x 0,70	3,30	39	1
MTX102	5 x 0,80	4,20	41	1
MTX103	6 x 1,00	5,00	44	1
MTX104	8 x 1,25	6,80	50	1
MTX105	10 x 1,50	8,50	59	1

HSS-CO



HSS

DIN
3126



HSS-CO Bit Tap

Embout Taraud HSS-CO

CODE	Measure	I mm	L mm	PCS
MMB20	3 x 0,50	2,50	33	1
MMB21	4 x 0,70	3,30	35	1
MMB22	5 x 0,80	4,20	36	1
MMB23	6 x 1,00	5,00	39	1
MMB24	8 x 1,25	6,80	40	1
MMB25	10 x 1,50	8,50	41	1

Bit Tap

Jeu Taraud Bit

Composition 6 pcs
(1 each measure)

Ø M3 - M4 - M5 - M6 -
M8 - M10 - M12

CODE

MMB29



HSS

Metric Thread Gauge Tool - ISO 60° - Wh 55°

Nombre de Filets Métriques ISO 60° - Wh 55°

CODE	Description	PCS
MMB99	52 pcs ISO 0,25 ÷ 6	1



CABEÇAS DE ROSCAR PARA MACHOS COM RETORNO AUTOMÁTICO

REVERSAL TAPPING CHUCKS

TÊTES DE FILETAGE AVEC RETOUR AUTOMATIQUE



(Accessories included)



CODE	Measure	Mounting	Capacity	Ø D	Torque Max.	Max. Speed RPM
MACR01	7	B16	M2-M7	55	14	1500
MACR02	12	B16	M5-M12	75	65	1000
MACR03	20	B22	M8-M20	91	125	600



Tap Chuck Collet

Pinces à tête filetée

CODE	Measure	Capacity	Aperto
MACR05	7	M2 - M7	Ø 2,5-4,2
MACR06	7	M4 - M7	Ø 4,2-6,5
MACR07	12	M5 - M8	Ø 3,5-7
MACR08	12	M8 - M12	Ø 7,0-10,0
MACR09	20	M8 - M14	Ø 6,0-9,0
MACR10	20	M14 - M20	Ø 9,0-14,0



CAÇONETES EM HSS

DIES
FILIÈRES

HSS



HSS

DIN
223

HSS Metric Thread

Filetage Métrique HSS

CODE	Measure	Ø	PCS
MCP20	M 2 x 0,40	16	1
MCP21	M 2,5 x 0,45	16	1
MCP22	M 3 x 0,50	20	1
MCP23	M 3,5 x 0,60	20	1
MCP24	M 4 x 0,70	20	1
MCP25	M 5 x 0,80	20	1
MCP27	M 6 x 1,00	20	1
MCP28	M 7 x 1,00	25	1
MCP30	M 8 x 1,25	25	1
MCP31	M 9 x 1,25	25	1
MCP34	M 10 x 1,50	30	1
MCP35	M 11 x 1,50	30	1
MCP38	M 12 x 1,75	38	1
MCP42	M 14 x 2,00	38	1
MCP45	M 16 x 2,00	45	1
MCP48	M 18 x 2,50	45	1
MCP51	M 20 x 2,50	45	1
MCP53	M 22 x 2,50	55	1
MCP56	M 24 x 3,00	55	1
MCP59	M 27 x 3,00	65	1
MCP62	M 30 x 3,50	65	1



HSS

DIN
223

HSS Metric Fine Thread

Filetage Métrique Fin HSS

CODE	Measure	Ø	PCS
MCP26	MF 6 x 0,75	20	1
MCP29	MF 8 x 1,00	25	1
MCP32	MF 10 x 1,00	30	1
MCP33	MF 10 x 1,25	30	1
MCP63	MF 12 x 1,00	38	1
MCP36	MF 12 x 1,25	38	1
MCP37	MF 12 x 1,50	38	1
MCP39	MF 14 x 1,00	38	1
MCP40	MF 14 x 1,25	38	1
MCP41	MF 14 x 1,50	38	1
MCP43	MF 16 x 1,00	45	1
MCP44	MF 16 x 1,50	45	1
MCP46	MF 18 x 1,00	45	1
MCP47	MF 18 x 1,50	45	1
MCP49	MF 20 x 1,50	45	1
MCP50	MF 20 x 2,00	45	1
MCP52	MF 22 x 1,50	55	1
MCP54	MF 24 x 1,50	55	1
MCP55	MF 24 x 2,00	55	1
MCP57	MF 25 x 1,50	55	1
MCP58	MF 27 x 2,00	65	1
MCP60	MF 30 x 1,50	65	1
MCP61	MF 30 x 2,00	65	1



HSS

ISO

Special HSS Metric Thread

Spécificités pour les Boîtiers Filetés HSS Métriques

CODE	Measure	Ø	PCS
MCPE30	M 2 x 0,40	25 x 9	1
MCPE31	M 3 x 0,50	25 x 9	1
MCPE32	M 4 x 0,70	25 x 9	1
MCPE33	M 5 x 0,80	25 x 9	1
MCPE34	M 6 x 1,00	25 x 9	1
MCPE35	M 7 x 1,00	25 x 9	1
MCPE36	M 8 x 1,25	25 x 9	1
MCPE37	M 10 x 1,50	25 x 9	1
MCPE39	M 10 x 1,50	38 x 14	1
MCPE38	M 12 x 1,75	25 x 9	1
MCPE40	M 12 x 1,75	38 x 14	1
MCPE41	M 14 x 2,00	38 x 14	1
MCPE42	M 16 x 2,00	38 x 14	1
MCPE43	M 18 x 2,50	38 x 14	1
MCPE44	M 20 x 2,50	38 x 14	1



HSS

ISO

Special HSS Metric Fine Thread

Spécificités pour les Boîtiers Métriques fin HSS

CODE	Measure	Ø	PCS
MCPE50	M 8 x 1,00	25 x 9	1
MCPE51	M 10 x 1,00	38 x 14	1
MCPE52	M 10 x 1,25	38 x 14	1
MCPE53	M 12 x 1,25	38 x 14	1
MCPE54	M 12 x 1,50	38 x 14	1
MCPE55	M 14 x 1,25	38 x 14	1
MCPE56	M 14 x 1,50	38 x 14	1
MCPE57	M 16 x 1,50	38 x 14	1
MCPE58	M 18 x 1,50	38 x 14	1

CAÇONETES ROSCA MÉTRICA FINA HSS (PASSES ESPECIAIS)

HSS METRIC FINE THREAD DIES (SPECIAL THREADS)

FILIÈRES DE FILETAGE MÉTRIQUE FIN HSS (PASSES SPÉCIALES)

HSS



HSS

DIN
223

HSS Metric Fine Thread

Filetage Métrique fin HSS

CODE	Measure	Ø	PCS
MCF01	MF 3 x 0,35	20	1
MCF02	MF 4 x 0,35	20	1
MCF03	MF 4 x 0,50	20	1
MCF04	MF 5 x 0,50	20	1
MCF05	MF 5 x 0,75	20	1
MCF06	MF 6 x 0,50	20	1
MCF07	MF 7 x 0,75	25	1
MCF08	MF 8 x 0,50	25	1
MCF09	MF 8 x 0,75	25	1
MCF10	MF 9 x 0,75	25	1
MCF11	MF 9 x 1,00	25	1
MCF12	MF 10 x 0,75	30	1
MCF13	MF 11 x 1,00	30	1
MCF14	MF 11 x 1,25	30	1
MCF15	MF 12 x 0,75	38	1
MCF16	MF 13 x 1,00	38	1
MCF17	MF 13 x 1,50	38	1
MCF18	MF 14 x 0,75	38	1
MCF19	MF 15 x 1,00	38	1
MCF20	MF 15 x 1,50	38	1
MCF21	MF 16 x 1,25	45	1
MCF22	MF 18 x 1,25	45	1
MCF23	MF 18 x 2,00	45	1
MCF24	MF 20 x 1,00	45	1
MCF25	MF 20 x 1,25	45	1
MCF26	MF 21 x 1,50	45	1
MCF27	MF 22 x 1,00	55	1
MCF28	MF 22 x 1,25	55	1
MCF29	MF 22 x 2,00	55	1
MCF30	MF 23 x 1,50	55	1
MCF31	MF 24 x 1,00	55	1
MCF32	MF 24 x 1,25	55	1
MCF33	MF 25 x 1,00	55	1
MCF34	MF 26 x 1,00	55	1
MCF35	MF 26 x 1,50	55	1
MCF36	MF 26 x 2,00	55	1
MCF37	MF 27 x 1,00	65	1
MCF38	MF 27 x 1,50	65	1
MCF39	MF 28 x 1,00	65	1
MCF40	MF 28 x 1,50	65	1
MCF41	MF 28 x 2,00	65	1

HSS Metric Fine Thread

Filetage Métrique fin HSS

CODE	Measure	Ø	PCS
MCF42	MF 29 x 1,50	65	1
MCF43	MF 30 x 1,00	65	1
MCF44	MF 30 x 2,50	65	1
MCF45	MF 30 x 3,00	65	1
MCF46	MF 32 x 1,50	65	1
MCF47	MF 32 x 2,00	65	1
MCF48	MF 32 x 3,00	65	1
MCF49	MF 33 x 1,50	65	1
MCF50	MF 33 x 2,00	65	1
MCF51	MF 33 x 3,00	65	1
MCF52	MF 34 x 1,50	65	1
MCF53	MF 34 x 2,00	65	1
MCF54	MF 35 x 1,50	65	1
MCF55	MF 36 x 1,50	65	1
MCF56	MF 36 x 2,00	65	1
MCF57	MF 36 x 3,00	65	1
MCF58	MF 38 x 1,50	75	1
MCF59	MF 39 x 1,50	75	1
MCF60	MF 39 x 2,00	75	1
MCF61	MF 39 x 3,00	75	1
MCF62	MF 40 x 1,50	75	1
MCF63	MF 40 x 2,00	75	1
MCF64	MF 40 x 3,00	75	1
MCF65	MF 42 x 1,50	75	1
MCF66	MF 42 x 2,00	75	1
MCF67	MF 42 x 3,00	75	1
MCF68	MF 45 x 1,50	90	1
MCF69	MF 45 x 2,00	90	1
MCF70	MF 45 x 3,00	90	1
MCF71	MF 48 x 1,50	90	1
MCF72	MF 48 x 2,00	90	1
MCF73	MF 48 x 3,00	90	1
MCF74	MF 50 x 1,50	90	1
MCF75	MF 50 x 2,00	90	1
MCF76	MF 50 x 3,00	90	1
MCF77	MF 52 x 1,50	90	1
MCF78	MF 52 x 2,00	90	1
MCF79	MF 52 x 3,00	90	1
MCF80	MF 63 x 1,50	105	1

CAÇONETES

DIES
FILIÈRES

HSS

DIN
223

BSW

BSW Thread/HSS Whitworth

Filetage BSW/Whitworth HSS

CODE	Measure	Ø	PCS
MCP65	W 1/8 x 40	20	1
MCP66	W 5/32 x 32	20	1
MCP67	W 3/16 x 24	20	1
MCP68	W 7/32 x 24	20	1
MCP69	W 1/4 x 20	20	1
MCP70	W 5/16 x 18	25	1
MCP71	W 3/8 x 16	30	1
MCP72	W 7/16 x 14	30	1
MCP73	W 1/2 x 12	38	1
MCP74	W 9/16 x 12	38	1
MCP75	W 5/8 x 11	45	1
MCP76	W 3/4 x 10	45	1
MCP77	W 7/8 x 9	55	1
MCP78	W 1" x 8	55	1
MCP79	W 1 1/4 x 7	76	1
MCP80	W 1 1/2 x 6	76	1



HSS

DIN
223

UNF
SAE

UNF Thread/SAE HSS

Filetage UNF/SAE HSS

CODE	Measure	Ø	PCS
MCP82	UNF 1/4 x 28	20	1
MCP83	UNF 5/16 x 24	25	1
MCP84	UNF 3/8 x 24	30	1
MCP85	UNF 7/16 x 20	30	1
MCP86	UNF 1/2 x 20	38	1
MCP87	UNF 9/16 x 18	38	1
MCP88	UNF 5/8 x 18	45	1
MCP89	UNF 3/4 x 16	45	1
MCP90	UNF 7/8 x 14	55	1
MCP91	UNF 1" x 12	55	1



HSS

DIN
223

UNC

UNC HSS Thread

Filetage UNC HSS

CODE	Measure	Ø	PCS
MCU01	UNC 1/4 x 20	20	1
MCU02	UNC 5/16 x 18	25	1
MCU03	UNC 3/8 x 16	30	1
MCU04	UNC 7/16 x 14	30	1
MCU05	UNC 1/2 x 13	38	1
MCU06	UNC 9/16 x 12	38	1
MCU07	UNC 5/8 x 11	45	1
MCU08	UNC 3/4 x 10	45	1
MCU09	UNC 7/8 x 9	55	1



HSS

DIN
5158

BSP
GAS

BSP - GAS Thread

Filetage BSP - GAS

CODE	Measure	Ø	PCS
MCG20	G 1/8 x 28	30	1
MCG21	G 1/4 x 19	38	1
MCG22	G 3/8 x 19	45	1
MCG23	G 1/2 x 14	45	1
MCG24	G 5/8 x 14	55	1
MCG25	G 3/4 x 14	55	1
MCG26	G 7/8 x 14	65	1
MCG27	G 1" x 11	65	1
MCG29	G 1 1/4 x 11	75	1
MCG31	G 1 1/2 x 11	90	1
MCG33	G 2" x 11	105	1



HSS-CO

DIN
223

INOX

HSS-CO

HSS-CO Metric Thread for SSTL -VAPO

Filetage Métrique HSS-CO pour INOX-VAPO

CODE	Measure	Ø	PCS
MCPI02	M 3 x 0,50	20,6	1
MCPI03	M 4 x 0,70	20,6	1
MCPI04	M 5 x 0,80	20,6	1
MCPI14	M 6 x 1,00	20,6	1
MCPI07	M 8 x 1,25	25,4	1
MCPI08	M 10 x 1,50	30	1
MCPI09	M 12 x 1,75	38,1	1
MCPI10	M 14 x 2,00	38,1	1
MCPI11	M 16 x 2,00	45	1
MCPI12	M 18 x 2,50	45	1
MCPI13	M 20 x 2,50	45	1



DESANDADORES E EXTRATORES

TAPS AND DIES HOLDERS / SCREW EXTRACTORS
PORTE-TARAUDS ET PORTE-FILIÈRES / EXTRACTEUR VIS

ZAMAC



ZAMAC Tap Holder

Porte-tarauds en ZAMAC

CODE	Measure	Metric	BSW	BSP
MMZD01	N° 0	1 ÷ 8	1/16 ÷ 1/4	
MMZD07	N° 1	1 ÷ 10	1/16 ÷ 3/8	1/8
MMZD03	N° 2	4 ÷ 12	5/32 ÷ 1/2	1/8
MMZD04	N° 3	5 ÷ 20	7/32 ÷ 3/4	1/8 ÷ 1/2
MMZD05	N° 4	11 ÷ 27	7/16 ÷ 1"	1/4 ÷ 3/4
MMZD06	N° 5	13 ÷ 32	1/2 ÷ 1 1/4	1/4 ÷ 1"

ZAMAC



ZAMAC Die Holder

Porte-filières en ZAMAC

CODE	Measure	Metric	BSW/ BSP
MCZD01	16 x 5	M 1 ÷ 2,6 W	1/16 ÷ 3/32
MCZD03	20 x 7	M 4,5 ÷ 6 W	3/16 ÷ 1/4
MCZD04	25 x 9	M 7 ÷ 9 W	5/16
MCZD05	30 x 11	M 10 ÷ 11 W	3/8 ÷ 7/16
MCZD07	38 x 14	M 12 ÷ 14 W	1/2 ÷ 9/16
MCZD09	45 x 18	M 16 ÷ 20 W	5/8 ÷ 13/16
MCZD11	55 x 22	M 22 24 W	7/8 ÷ 1"
MCZD13	65 x 25	M 27 36 W	1 1/8 ÷ 1 3/8

STEEL



Steel Tap Holder

Porte-tarauds en Acier

CODE	Measure	Metric	BSW	BSP
MMCD01	N° 0	1 ÷ 8	1/16 ÷ 1/4	
MMCD02	N° 1	1 ÷ 10	1/16 ÷ 3/8	1/8
MMCD03	N° 2	4 ÷ 12	5/32 ÷ 1/2	1/8
MMCD04	N° 3	5 ÷ 20	7/32 ÷ 3/4	1/8 ÷ 1/2
MMCD05	N° 4	11 ÷ 27	7/16 ÷ 1"	1/4 ÷ 3/4
MMCD06	N° 5	13 ÷ 32	1/2 ÷ 1 1/4	1/4 ÷ 1"
MMCD07	N° 6	18 ÷ 42	3/4 ÷ 1 1/2	1/2 1 1/4
MMCD08	N° 7	25 ÷ 52	1 ÷ 2 1/8	3/4 2" 1/4

STEEL



Steel Die Holder

Porte-filières en Acier

CODE	Measure	Metric	BSW/ BSP
MCD20	20 x 7	M 4,5 ÷ 6 W	3/16 ÷ 1/4
MCD25	25 x 9	M 7 ÷ 9 W	5/16
MCD30	30 x 11	M 10 ÷ 11 W	3/8 ÷ 7/16
MCD38	38 x 14	M 12 ÷ 14 W	1/2 ÷ 9/16
MCD45	45 x 18	M 16 ÷ 20 W	5/8 ÷ 13/16
MCD55	55 x 22	M 22 ÷ 24 W	7/8 ÷ 1"
MCD65	65 x 25	M 27 36 W	1 1/8 ÷ 1 3/8
MCD75	75 x 30	M 39 42 W	1 1/2 ÷ 1 5/8



Tap Holder With ISO Ratchet

Porte-tarauds avec Roquete ISO

CODE	Measure	Capacity	PCS
MMD01	M 3 - M 10	85 mm	1
MMD02	M 5 - M 12	100 mm	1



Tap Holder with Long Ratchet

Porte-tarauds avec Roquete Long

CODE	Measure	Capacity	PCS
MML01	M 3 - M 10	250 mm	1
MML02	M 5 - M 12	300 mm	1



Screw Extractor

Extractor de Vis

CODE	(mm)	Measure (")	PCS
MMEX1	3 - 6	1/8 - 1/4	1
MMEX2	6 - 8	1/4 - 5/16	1
MMEX3	8 - 11	5/16 - 7/16	1
MMEX4	11 - 14	7/16 - 9/16	1
MMEX5	14 - 18	9/16 - 3/4	1
MMEX6	18 - 24	3/4 - 1"	1



Screw Extractor Set (Plastic Box)

Jeu de Extractors de Vis (Boîte plastique)

CODE	Measure (")	PCS
MMEX7	3 to 18	1
MMEX8	3 to 24	1

ESTOJOS DE MACHOS E CAÇONETES HSS-G E HSS-CO

HSS-G AND HSS-CO DRILLS AND DIES CASES IN METAL BOX
ASSORTIMENTS POUR TARAUDS ET FILIÈRES HSS-G ET HSS-CO

HSS



HSS-G Case 3 to 12 Set

Coffret de 3 a 12 HSS-G

Composition 30 pcs

Taps (3 pcs each)
M3, M4, M5, M6, M8, M10, M12

Dies (1 each measure)
M3, M4, M5, M6, M8, M10, M12

1 Tap Holder N°1

1 Die Holder 25,4

CODE

MJOGO01

HSS



HSS-G Case 3 to 20 Set

Coffret de 3 a 20 HSS-G

Composition 54 pcs

Taps (3 each measure)
M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20

Dies (1 each measure)
M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20

Die Holder (1 each measure)
20×5, 20×7, 25, 30, 38, 45

Tap Holder (1 each measure) N°1, N°3

Ratchet (1 each measure) N°1, N°2

CODE

MJOGO02

HSS

HSS-CO



HSS-CO Case 3 to 24 Set

Coffret de 3 a 24 HSS-G

Composition 61 pcs

Taps (3 each measure) M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24

Dies (1 each measure) M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24

Die Holder (1 each measure) 20×5, 20×7, 25, 30, 38, 45, 55

Tap Holder (1 each measure) N°1, N°4

CODE

MJOGO03

HSS-CO Case 3 to 24 Set

Coffret de 3 a 24 HSS-CO

Composition 61 pcs

Taps (3 each measure) M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24

Dies (1 each measure) M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24

Dies Holder (1 each measure)
20×5, 20×7, 25, 30, 38, 45, 55

Tap Holder (1 each measure) N°1, N°4

CODE

MJOGO04

ESTOJOS DE MACHOS E CAÇONETES HSS-G

THREADING SETS IN METAL OR WOOD CASES
ASSORTIMENTS POUR TARAUDS ET FILIÈRES HSS-G

HSS



BSW 1/8 to 1/2" Set (Metallic Box)

Coffret BSW 1/8 à 1/2" (Boîte métallique)

Composition 36 pcs

Taps (3 each measure) 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2
Dies (1 each measure) 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2
Tap Holder (1 each measure) N°1, N°2 Ratchet N°1
Die Holder (1 each measure) 20×5, 20×7, 25, 30, 38

CODE

MJOGO05

BSW 1/4 to 3/4" Set (Plastic Box)

Coffret BSW 1/4 à 3/4" (Boîte Plastique)

Composition 39 pcs

Taps (3 each measure) 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4
Dies (1 each measure) 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4
Tap Holder (1 each measure) N°1, N°3
Die Holder (1 each measure) 20×7, 25, 30, 38, 45

CODE

MJOGO06

BSW 1/4 a 1" Set (Plastic Box)

Coffret BSW 1/4 à 1" (Boîte Plastique)

Composition 43 pcs

Taps (3 each measure) 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
Dies (1 each measure) 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
Tap Holder (1 each measure) N°1, N°4
Die Holder (1 each measure) 20×7, 25, 30, 38, 45

CODE

MJOGO07

HSS



ESTOJO DE MACHOS E CAÇONETES AUTO ESPECIAIS P/ GARAGEM EM C. V.

THREADING SET FOR AUTOMOTIVE IN C. V.
ASSORTIMENTS POUR TARAUDS ET FILIÈRES SPÉCIALES POUR LE GARAGE

CROMO VANADIUM



M2 to M18 Set (Metallic Box)

Metric Thread and Metric Fine Thread

Coffret M2 à M18 (Boîte métallique)
Filetage Métrique et Filetage Métrique Fin

Composition 110 pcs

Taps (2 pcs each)

M2×0,40 M11×0,75
M3×0,50 M11×1,00
M4×0,70 M11×1,25
M5×0,80 M11×1,50
M6×0,75 M12×0,75
M6×1,00 M12×1,00
M7×0,75 M12×1,25
M7×1,00 M12×1,50
M8×0,75 M12×1,75
M8×1,00 M14×1,00
M8×1,25 M14×1,25
M9×0,75 M14×1,50
M9×1,00 M14×2,00
M9×1,25 M16×1,00
M10×0,75 M16×1,50
M10×1,00 M16×2,00
M10×1,25 M18×1,50
M10×1,50

Dies (1 pc each)

M2×0,40 M11×0,75
M3×0,50 M11×1,00
M4×0,70 M11×1,25
M5×0,80 M11×1,50
M6×0,75 M12×0,75
M6×1,00 M12×1,00
M7×0,75 M12×1,25
M7×1,00 M12×1,50
M8×0,75 M12×1,75
M8×1,00 M14×1,00
M8×1,25 M14×1,25
M9×0,75 M14×1,50
M9×1,00 M14×2,00
M9×1,25 M16×1,00
M10×0,75 M16×1,50
M10×1,00 M16×2,00
M10×1,25 M18×1,50
M10×1,50

Tap Holder N°1, N°3
Die Holder 25,4, 38,1
Ratchet N°1

CODE

MMEM123

JOGOS DE MACHOS DE MÁQUINA, ESCAREADORES E CAÇONETES EM HSS

MACHINE TAPS, COUNTERSINKS AND DIES HSS SETS

JEU DE TARAUDS-MACHINES, D'ALÉSOIRS ET FILIÈRES EN HSS

HSS



Machine Taps + HSS Drills M3-M12 Set

Jeu de tarauds-machines
HSS M3-M12

Composition 15 pcs

Taps DIN 352

M3 / M4 / M5 / M6 / M8 / M10 / M12

Drills

Ø 2,5 / 3,3 / 4,2 / 5,0 / 6,8 / 8,5 / 10,2 mm

+Tap Holder

CODE

MM901



HSS Countersink Set

Jeu d'Alésoirs HSS

Composition 6 pcs

Countersink DIN335C

Ø 6,3/8,3/10,4/12,4/16,5/20,5

CODE

MM902



HSS Dies Set

Jeu de Filières HSS

Composition 8 pcs

Dies DIN223

Ø 25 mm: M3 / M4 / M5 / M6 / M8 / M10 / M12

Die Holder 25 x 9

CODE

MM903

JOGOS PARA REPARAR ROSCAS K-COIL

K-COIL THREAD REPAIR SETS

JEUX DE RÉPARATION DE FILETS K-COIL

HSS



CODE						
KC600	M 2	x 0,40	2,1mm	Nº2	Nº2	20PCS
KC601	M 2,5	x 0,45	2,6mm	Nº3	Nº3	20PCS
KC602	M 3	x 0,50	3,2mm	Nº4	Nº4	20PCS
KC603	M 3,5	x 0,60	3,7mm	Nº5	Nº5	20PCS
KC604	M 4	x 0,70	4,2mm	Nº6	Nº6	20PCS
KC605	M 5	x 0,80	5,2mm	Nº8	Nº8	20PCS
KC606	M 6	x 1,00	6,3mm	Nº9	Nº9	20PCS
KC607	M 7	x 1,00	7,3mm	Nº10	Nº10	20PCS
KC608	M 8	x 1,25	8,3mm	Nº11	Nº11	20PCS
KC609	M 8	x 1,00	8,3mm	Nº11	Nº11	20PCS
KC610	M 9	x 1,25	9,3mm	Nº12	Nº12	15PCS
KC611	M 10	x 1,50	10,4mm	Nº13	Nº13	15PCS
KC612	M 10	x 1,25	10,3mm	Nº13	Nº13	15PCS
KC613	M 10	x 1,00	10,3mm	Nº13	Nº13	15PCS
KC614	M 11	x 1,50	11,4mm	Nº14	Nº14	10PCS
KC615	M 12	x 1,75	12,4mm	Nº15	Nº15	10PCS
KC616	M 12	x 1,50	12,4mm	Nº15	Nº15	10PCS
KC617	M 12	x 1,25	12,3mm	Nº15	Nº15	10PCS
KC618	M 12	x 1,00	12,3mm	Nº15	Nº15	10PCS
KC619	M 14	x 2,00		Nº16		10PCS
KC620	M 14	x 1,50		Nº16		10PCS
KC621	M 14	x 1,25		Nº17		10PCS
KC622	M 14	x 1,00		Nº17		10PCS
KC623	M 16	x 2,00		Nº18		10PCS
KC624	M 16	x 1,50		Nº18		10PCS
KC625	M 18	x 2,50		Nº20		5PCS
KC626	M 18	x 2,00		Nº20		5PCS
KC627	M 18	x 1,50		Nº20		5PCS
KC628	M 20	x 2,50		Nº21		5PCS
KC629	M 20	x 2,00		Nº21		5PCS
KC630	M 20	x 1,50		Nº21		5PCS
KC631	M 22	x 2,50		Nº22		5PCS
KC632	M 22	x 2,00		Nº22		5PCS
KC633	M 22	x 1,50		Nº22		5PCS
KC634	M 24	x 3,00		Nº23		5PCS
KC635	M 24	x 2,00		Nº23		5PCS
KC636	M 24	x 1,50		Nº23		5PCS

Other measures by request / Autres mesures sur demande

JOGOS PARA REPARAR ROSCAS K-COIL UNF E BSP

K-COIL UNF AND BSP THREAD REPAIR SETS

TROUSSE POUR RÉTABLIR TARAUDAGES ENDOMMAGÉES

HSS



Thread Repair Set K-Coil UNF

Jeu pour Réparation de Filetage K-Coil UNF

CODE								
KC669	UNF	1/4	x	28	6,7mm	N°9	N°9	20PCS
KC670	UNF	5/16	x	24	8,3mm	N°11	N°11	20PCS
KC671	UNF	3/8	x	24	9,8mm	N°13	N°13	15PCS
KC672	UNF	7/16	x	20	11,5mm	N°14	N°14	10PCS
KC673	UNF	1/2	x	20	13mm	N°15	N°15	10PCS
KC674	UNF	9/16	x	18		N°16		10PCS
KC675	UNF	5/8	x	18		N°18		10PCS
KC676	UNF	3/4	x	16		N°21		5PCS
KC677	UNF	7/8	x	14		N°22		5PCS
KC678	UNF	1"	x	12		N°23		4PCS

Other measures by request / Autres mesures sur demande

Thread Repair Set K-Coil BSP

Jeu pour réparation de filetage K-Coil BSP

CODE								
KC705	BSP	1/8	x	28		1		10PCS
KC706	BSP	1/4	x	19		1		10PCS
KC707	BSP	3/8	x	19		1		10PCS
KC708	BSP	1/2	x	14		1		10PCS
KC709	BSP	5/8	x	14		1		10PCS
KC710	BSP	3/4	x	14		1		10PCS
KC711	BSP	7/8	x	14		1		10PCS
KC712	BSP	1"	x	11		1		10PCS

Other measures by request / Autres mesures sur demande

JOGOS PARA REPARAR ROSCAS K-COIL

K-COIL THREAD REPAIR SETS

TROUSSE POUR RÉTABLIR TARAUDAGES ENDOMMAGÉES

HSS



CODE		PCS							
KC751	M5 to M12	130	M 5	x	0,80	5,2mm	Nº8	Nº8	25PCS
			M 6	x	1,00	6,3mm	Nº9	Nº9	25PCS
			M 8	x	1,25	8,3mm	Nº11	Nº11	25PCS
			M 10	x	1,50	10,4mm	Nº13	Nº13	25PCS
			M 12	x	1,75	12,4mm	Nº15	Nº15	10PCS
KC750	M6 to M10	87	M 6	x	1,00	6,3mm	Nº9	Nº9	25PCS
			M 8		1,25	8,3mm	Nº11	Nº11	25PCS
			M 10		1,50	10,4mm	Nº13	Nº13	25PCS
KC752	M6 to M14×1,25	113	M 6	x	1,00	6,3mm	Nº9	Nº9	25PCS
			M 8	x	1,25	8,3mm	Nº11	Nº11	25PCS
			M 10	x	1,50	10,4mm	Nº13	Nº13	25PCS
			M 12	x	1,75	12,4mm	Nº15	Nº15	10PCS
			M 14	x	1,25		Nº17		10PCS
KC753	M6 to M14×1,25	115	M 6	x	1,00	6,3mm	Nº9	Nº9	25PCS
			M 8	x	1,25	8,3mm	Nº11	Nº11	25PCS
			M 10	x	1,50	10,4mm	Nº13	Nº13	25PCS
			M 12	x	1,75	12,4mm	Nº15	Nº15	10PCS
	Especial para velas →		M 14	x	1,25		Nº17		10PCS
KC754	UNC 1/4 a 1/2	115	1/4	x	20	6,7mm	Nº9	Nº9	25PCS
			5/16	x	18	8,3mm	Nº10	Nº11	25PCS
			3/8	x	16	9,9mm	Nº12	Nº12	25PCS
			7/16	x	14	11,6mm	Nº14	Nº14	10PCS
			1/2	x	13	13mm	Nº15	Nº15	10PCS
KC755	UNF 1/4 a 1/2	115	1/4	x	28	6,7mm	Nº9	Nº9	25PCS
			5/16	x	24	8,3mm	Nº11	Nº11	25PCS
			3/8	x	24	9,8mm	Nº13	Nº13	25PCS
			7/16	x	20	11,5mm	Nº14	Nº14	10PCS
			1/2	x	20	13mm	Nº15	Nº15	10PCS
KC756	BSW 1/4 a 1/2	115	1/4	x	20	6,7mm	Nº9	Nº9	25PCS
			5/16	x	18	8,3mm	Nº10	Nº11	25PCS
			3/8	x	16	9,9mm	Nº12	Nº12	25PCS
			7/16	x	14	11,5mm	Nº14	Nº14	10PCS
			1/2	x	12	13mm	Nº15	Nº15	10PCS
KC757	BSF 1/4 a 1/2	115	1/4	x	26	6,6mm	Nº9	Nº9	25PCS
			5/16	x	22	8,3mm	Nº11	Nº11	25PCS
			3/8	x	20	9,9mm	Nº12	Nº12	25PCS
			7/16	x	18	11,5mm	Nº14	Nº14	10PCS
			1/2	x	16	13mm	Nº15	Nº15	10PCS

MACHOS K-COIL FORMA D ISO 1/4H

HSS K-COIL TAPS

TARAUDS K-COIL HSS

HSS



HSS Metric Thread

Filetage métrique HSS

CODE	Measure			PCS
KC400	M 2	x	0,40	1
KC401	M 2,5	x	0,45	1
KC514	M 3	x	0,50	1
KC403	M 3,5	x	0,60	1
KC404	M 4	x	0,70	1
KC405	M 5	x	0,80	1
KC406	M 6	x	1,00	1
KC407	M 7	x	1,00	1
KC408	M 8	x	1,00	1
KC409	M 8	x	1,25	1
KC410	M 9	x	1,25	1
KC411	M 10	x	1,00	1
KC412	M 10	x	1,25	1
KC413	M 10	x	1,50	1
KC414	M 11	x	1,50	1
KC415	M 12	x	1,00	1
KC416	M 12	x	1,25	1
KC417	M 12	x	1,50	1
KC418	M 12	x	1,75	1
KC419	M 14	x	1,00	1
KC420	M 14	x	1,25	1
KC421	M 14	x	1,50	1
KC422	M 14	x	2,00	1
KC423	M 16	x	1,50	1
KC424	M 16	x	2,00	1
KC425	M 18	x	1,50	1
KC426	M 18	x	2,00	1
KC427	M 18	x	2,50	1
KC428	M 20	x	1,50	1
KC429	M 20	x	2,00	1
KC430	M 20	x	2,50	1
KC431	M 22	x	1,50	1
KC432	M 22	x	2,00	1
KC433	M 22	x	2,50	1
KC434	M 24	x	1,50	1
KC435	M 24	x	2,00	1
KC436	M 24	x	3,00	1

Others measures by request



K-Coil Combi Tap (special for Sparks Plugs) - Metric / Metric Fine Thread

Taraud K-Coil Combi (Spécial pour les bougies) Filetage métrique / métrique fine

CODE	Measure			PCS
KC550	M 6	x	1,00	1
KC551	M 8	x	1,25	1
KC552	M 10	x	1,00	1
KC553	M 10	x	1,50	1
KC554	M 12	x	1,25	1
KC555	M 14	x	1,25	1
KC556	M 18	x	1,50	1



Thread UNC - UNF - BSW - BSF - BSP in HSS

Filetage UNC - UNF - BSW - BSF - BSP en HSS

CODE	Measure			PCS
KC454	UNC	1/2	x 13	1
KC455	UNC	1/4	x 20	1
KC456	UNC	3/8	x 16	1
KC457	UNC	5/16	x 18	1
KC458	UNC	7/16	x 14	1
KC459	UNC	9/16	x 12	1
KC460	UNC	5/8	x 11	1
KC461	UNC	3/4	x 10	1
KC462	UNC	7/8	x 9	1
KC463	UNC	1"	x 8	1
KC469	UNF	1/2	x 20	1
KC470	UNF	1/4	x 28	1
KC471	UNF	3/8	x 24	1
KC472	UNF	5/16	x 24	1
KC473	UNF	7/16	x 20	1
KC474	UNF	9/16	x 18	1
KC475	UNF	5/8	x 18	1
KC476	UNF	3/4	x 16	1
KC477	UNF	7/8	x 14	1
KC478	UNF	1"	x 12	1
KC483	BSW	1/8	x 40	1
KC484	BSW	3/16	x 24	1
KC485	BSW	1/2	x 12	1
KC486	BSW	1/4	x 20	1
KC487	BSW	3/8	x 16	1
KC488	BSW	5/16	x 18	1
KC489	BSW	7/16	x 14	1
KC490	BSW	9/16	x 12	1
KC491	BSW	5/8	x 11	1
KC492	BSW	3/4	x 10	1
KC493	BSW	7/8	x 9	1
KC494	BSW	1"	x 8	1
KC495	BSF	3/16	x 32	1
KC496	BSF	1/2	x 16	1
KC497	BSF	1/4	x 26	1
KC498	BSF	3/8	x 20	1
KC499	BSF	5/16	x 22	1
KC500	BSF	7/16	x 18	1
KC501	BSF	9/16	x 16	1
KC502	BSF	5/8	14	1
KC503	BSF	3/4	12	1
KC504	BSF	7/8	11	1
KC505	BSF	1"	10	1
KC506	BSP	1/8	28	1
KC507	BSP	1/4	19	1
KC508	BSP	3/8	19	1
KC509	BSP	1/2	14	1
KC510	BSP	5/8	14	1
KC511	BSP	3/4	14	1
KC512	BSP	7/8	14	1
KC513	BSP	1"	11	1

Others measures by request

ACESSÓRIOS K-COIL

K-COIL ACCESSORIES

ACCESSOIRES POUR RÉTABLIR TARAUDAGES ENDOMMAGÉES

HSS

Hand Utensil for K-Coil Insert

Outil d'insertion manuelle K-Coil

CODE	Nº	Rosca	PCS
KC800	2	M 2	1
KC801	3	M 2,5	1
KC802	4	M 3	1
KC803	5	M 3,5	1
KC804	6	M 4	1
KC805	8	M 5	1
KC806	9	M 6	1
KC807	10	M 7	1
KC808	11	M 8	1
KC809	12	M 9	1
KC810	13	M 10	1
KC811	14	M 11	1
KC812	15	M 12	1
KC813	16	M 14	1
KC814	17	M 14	1
KC815	18	M 16	1
KC816	20	M 18	1
KC817	21	M 20	1
KC818	22	M 22	1
KC819	23	M 24	1



Utensil for Broken Bolts

Outil pour casser la goupille

CODE	Nº	Rosca	PCS
KC300	2	M 2	1
KC301	3	M 2,5	1
KC302	4	M 3	1
KC303	5	M 3,5	1
KC304	6	M 4	1
KC305	8	M 5	1
KC306	9	M 6	1
KC307	10	M 7	1
KC308	11	M 8	1
KC309	12	M 9	1
KC310	13	M 10	1
KC311	14	M 11	1



K-Coil Extrator

Extracteur K-Coil

CODE	Nº	Rosca	PCS
KC880	2	M 3 - 10	1
KC881	3	M 11 - 24	1



INSERTO ROSCADO K-COIL DIN8140-ISO 2/6H INOX

K-COIL THREAD INSERT

RESSORTS FILETÉES EN ACIER INOXIDABLE

INOX

Measure			CODE	PCS	CODE	PCS	CODE	PCS	CODE	PCS	CODE	PCS
M 2	x	0,40	KC001	100	KC043	100	KC161	100	KC221	25	KC261	25
M 2,5	x	0,45	KC002	100	KC044	100	KC162	100	KC222	25	KC262	25
M 3	x	0,50	KC003	100	KC045	100	KC163	100	KC223	25	KC263	25
M 3,5	x	0,60	KC004	100	KC046	100	KC164	100	KC224	25	KC264	25
M 4	x	0,70	KC005	100	KC047	100	KC165	100	KC225	25	KC265	25
M 5	x	0,80	KC006	100	KC048	100	KC166	100	KC226	25	KC266	25
M 6	x	1,00	KC007	100	KC049	100	KC167	100	KC227	25	KC267	25
M 7	x	1,00	KC008	100	KC050	100	KC168	100	KC228	25	KC268	25
M 8	x	1,00	KC009	100	KC051	100	KC169	100	KC229	25	KC269	25
M 8	x	1,25	KC010	100	KC052	100	KC170	100	KC230	25	KC270	25
M 9	x	1,25	KC011	100	KC053	100	KC171	100	KC231	10	KC271	10
M 10	x	1,00	KC012	50	KC054	50	KC172	50	KC232	10	KC272	10
M 10	x	1,25	KC013	50	KC055	50	KC173	50	KC233	10	KC273	10
M 10	x	1,50	KC014	50	KC056	50	KC174	50	KC234	10	KC274	10
M 11	x	1,50	KC015	50	KC057	50	KC175	50	KC235	10	KC275	10
M 12	x	1,00	KC016	50	KC058	50	KC176	50	KC236	10	KC276	10
M 12	x	1,25	KC017	50	KC059	50	KC177	50	KC237	10	KC277	10
M 12	x	1,50	KC018	50	KC061	50	KC179	50	KC238	10	KC278	10
M 12	x	1,75	KC019	50	KC062	50	KC180	50	KC239	10	KC279	10
M 14	x	1,00	KC020	25	KC063	25	KC181	25	KC240	10	KC280	10
M 14	x	1,25	KC021	25	KC064	25	KC182	25	KC241	10	KC281	10
M 14	x	1,50	KC022	25	KC068	25	KC186	25	KC242	10	KC282	10
M 14	x	2,00	KC023	25	KC069	25	KC187	25	KC243	10	KC283	10
M 16	x	1,50	KC024	25	KC070	25	KC188	25	KC244	10	KC284	10
M 16	x	2,00	KC025	25	KC071	25	KC189	25	KC245	10	KC285	10
M 18	x	1,50	KC026	25	KC072	25	KC190	25	KC246	10	KC286	10
M 18	x	2,00	KC027	25	KC074	25	KC192	25	KC247	10	KC287	10
M 18	x	2,50	KC028	25	KC075	25	KC193	25	KC248	10	KC288	10
M 20	x	1,50	KC029	25	KC076	25	KC194	25	KC249	10	KC289	10
M 20	x	2,00	KC030	25	KC077	25	KC195	25	KC250	10	KC290	10
M 20	x	2,50	KC031	25	KC078	25	KC196	25	KC251	10	KC291	10
M 22	x	1,50	KC032	25	KC079	25	KC197	25	KC252	10	KC292	10
M 22	x	2,00	KC033	25	KC080	25	KC198	25	KC253	10	KC293	10
M 22	x	2,50	KC034	25	KC081	25	KC199	25	KC254	10	KC294	10
M 24	x	1,50	KC035	25	KC082	25	KC200	25	KC255	10	KC295	10
M 24	x	2,00	KC036	25	KC083	25	KC201	25	KC256	10	KC296	10
M 24	x	3,00	KC037	25	KC084	25	KC202	25	KC257	10	KC297	10

Outras Measures sob consulta

Usage Instructions

1. Drill the damage thread with a drill.
2. Thread with a K-Coil Tap.
3. Bevel the outside diameter at 90° and remove the burr.
4. Place the insert using hand tool.
5. With through holes, use the tool to break the stud.



INSERTO ROSCADO K-COIL DIN8140-ISO 2/6H INOX

K-COIL THREAD INSERT

RESSORTS FILETÉES EN ACIER INOXIDABLE

INOX



CODE		Measure			PCS
KC102	UNC	1/2	x	13	10
KC103	UNC	1/4	x	20	10
KC104	UNC	3/8	x	16	10
KC105	UNC	5/16	x	18	10
KC106	UNC	7/16	x	14	10
KC107	UNC	9/16	x	12	10
KC108	UNC	5/8	x	11	10
KC109	UNC	3/4	x	10	10
KC110	UNC	7/8	x	9	10
KC111	UNC	1"	x	8	10
KC117	UNF	1/2	x	20	10
KC118	UNF	1/4	x	28	10
KC119	UNF	3/8	x	24	10
KC120	UNF	5/16	x	24	10
KC121	UNF	7/16	x	20	10
KC122	UNF	9/16	x	18	10
KC123	UNF	5/8	x	18	10
KC124	UNF	3/4	x	16	10
KC125	UNF	7/8	x	14	10
KC126	UNF	1"	x	12	10
KC130	BSW	1/8	x	40	100
KC131	BSW	3/16	x	24	100
KC132	BSW	1/2	x	12	100
KC133	BSW	1/4	x	20	100
KC134	BSW	3/8	x	16	100
KC135	BSW	5/16	x	18	100
KC136	BSW	7/16	x	14	100
KC137	BSW	9/16	x	12	100
KC138	BSW	5/8	x	11	50
KC139	BSW	3/4	x	10	25
KC140	BSW	7/8	x	9	10
KC141	BSW	1"	x	8	10
KC142	BSF	3/16	x	32	100
KC143	BSF	1/2	x	16	100
KC144	BSF	1/4	x	26	100
KC145	BSF	3/8	x	20	100
KC146	BSF	5/16	x	22	100
KC147	BSF	7/16	x	18	100
KC148	BSF	9/16	x	16	100
KC149	BSF	5/8	x	14	50
KC150	BSF	3/4	x	12	50
KC151	BSF	7/8	x	11	25
KC152	BSF	1"	x	10	10
KC153	BSP	1/8	x	28	100
KC154	BSP	1/4	x	19	100
KC155	BSP	3/8	x	19	50
KC156	BSP	1/2	x	14	25
KC157	BSP	5/8	x	14	10
KC158	BSP	3/4	x	14	5
KC159	BSP	7/8	x	14	5
KC160	BSP	1"	x	11	5

Delivery Date subject to confirmation

INSERTOS AUTO ROSCANTES DIN8140-ISO 2/6H

MASTERFIX CASES
JEUX MASTERFIX



Self-tapping insert

Insertion autotaraudeuse

CODE	Measure	PCS
KCA001	M2 x 0,40 x 6mm	10
KCA002	M2,5 x 0,45 x 6mm	10
KCA003	M3 x 0,50 x 6mm	10
KCA004	M4 x 0,70 x 8mm	10
KCA005	M5 x 0,80 x 10mm	10
KCA006	M6 x 1,00 x 12mm	10
KCA007	M6 x 1,00 x 14mm	10
KCA008	M8 x 1,25 x 15mm	10
KCA009	M10 x 1,50 x 18mm	5
KCA010	M12 x 1,50 x 22mm	5
KCA011	M12 x 1,75 x 22mm	5
KCA012	M14 x 1,50 x 24mm	5
KCA013	M14 x 2,00 x 24mm	5
KCA014	M16 x 2,00 x 22mm	5
KCA015	M18 x 2,50 x 24mm	5
KCA016	M20 x 2,50 x 27mm	5
KCA017	M22 x 2,50 x 30mm	5
KCA018	M24 x 3,00 x 30mm	5



MASTERFIX M3 - M12

Composition 50 pcs

Inserts With Hexagonal Handle (1 piece each):
M3x0,5 - M4x0,7 - M5x0,8 - M6x1,0 - M8x1,25 - M10x1,5 - M12x1,75
Drills (1 piece each):
4,70 - 6,10 - 7,50 - 9,30 - 11,40 - 13,25 - 15,25
Self-threading inserts (5 pieces each):
M3x0,5 - M4x0,7 - M5x0,8 - M6x1,0 - M8x1,25 - M10x1,5 - M12x1,75
Nut / Hex Adapter (1 piece)

CODE

KC900

MASTERFIX M5 - M12

Composition 36 pcs

Inserts Utensil With Hexagonal Handle (1 piece each):
M5x0,8 - M6x1,0 - M8x1,25 - M10x1,5 - M12x1,75
Drills (1 piece each):
7,50 - 9,30 - 11,40 - 13,25 - 15,25
Self-threading inserts (5 pcs each):
M5x0,8 - M6x1,0 - M8x1,25 - M10x1,5 - M12x1,75
Nut / Hex Adapter (1 piece)

CODE

KC901

MASTERFIX M3 - M10

Composition 43 pcs

Inserts Utensil With Hexagonal Handle (1piece each)
M3x0,5 - M4x0,7 - M5x0,8 - M6x1,0 - M8x1,25 - M10x1,5
Drills (1 piece each):
4,70 - 6,10 - 7,50 - 9,30 - 11,40 - 13,25
Self-threading inserts (5 pieces each):
M3x0,5 - M4x0,7 - M5x0,8 - M6x1,0 - M8x1,25 - M10x1,5
Nut / Hex Adapter (1 piece)

CODE

KC902

SERRAS CIRCULARES PARA METAIS NÃO FERROSOS HSS, HSS-CO E TIN

CIRCULAR SAWS FOR NON-FERROUS METALS

SCIES CIRCULAIRES POUR ACIERS SPÉCIAUX



HSS



HSS-CO



TIN



HSS Circular Saws

Scies Circulaires HSS

Ø	Thk.	Hole	Teeth Nr	PCS
200	1,8	32	160	1
225	1,9	32	180	1
250	1,6	32	200	1
250	2,0	32	200	1
250	2,0	40	200	1
250	2,5	32	200	1
250	2,5	40	200	1
275	2,0	32	220	1
275	2,0	40	220	1
275	2,5	32	220	1
275	2,5	40	220	1
300	2,0	32	220	1
300	2,0	40	220	1
300	2,5	32	220	1
300	2,5	40	220	1
315	2,0	32	220	1
315	2,0	40	220	1
315	2,5	32	220	1
315	2,5	40	220	1
350	2,5	32	280	1
350	2,5	40	280	1
350	2,5	50	280	1
350	3,0	32	280	1
350	3,0	40	280	1
350	3,0	50	280	1
370	3,0	32	280	1
370	3,0	40	280	1
370	3,0	50	280	1
400	3,0	32	310	1
400	3,0	40	310	1
400	3,0	50	310	1

HSS Vapo

CODE
MX4000
MX4001
MX4002
MX4003
MX4004
MX4005
MX4006
MX4007
MX4008
MX4009
MX4010
MX4011
MX4012
MX4013
MX4014
MX4015
MX4016
MX4017
MX4018
MX4019
MX4020
MX4021
MX4022
MX4023
MX4024
MX4025
MX4026
MX4027
MX4028
MX4029
MX4030

HSS-Co 5% Vapo

CODE
MX4200
MX4201
MX4202
MX4203
MX4204
MX4205
MX4206
MX4207
MX4208
MX4209
MX4210
MX4211
MX4212
MX4213
MX4214
MX4215
MX4216
MX4217
MX4218
MX4219
MX4220
MX4221
MX4222
MX4223
MX4224
MX4225
MX4226
MX4227
MX4228
MX4229

HSS TIN

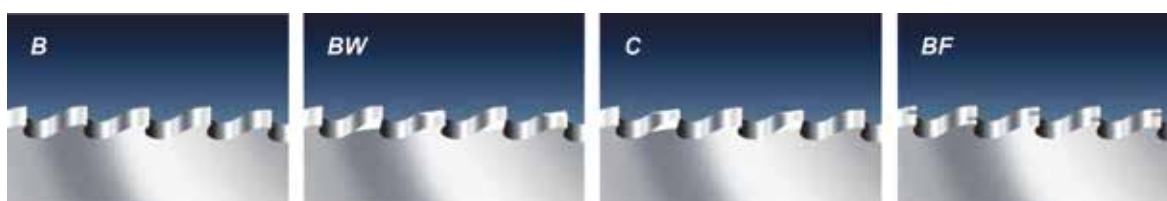
CODE
MX4400
MX4401
MX4402
MX4403
MX4404
MX4405
MX4406
MX4407
MX4408
MX4409
MX4410
MX4411
MX4412
MX4413
MX4414
MX4415
MX4416
MX4417
MX4418
MX4419
MX4420
MX4421
MX4422
MX4423
MX4424
MX4425
MX4426
MX4427
MX4428
MX4429
MX4430

Types of teeth

Types de dents

Teeth alteration has a 10% Increase. Other diameters under request

Modification des dents a une augmentation de 10%. Autres diamètres sur demande



SERRAS CIRCULARES PARA AÇOS ESPECIAIS EM TIALN E TICN

CIRCULAR SAWS FOR SPECIAL STEEL

SCIES CIRCULAIRES POUR ACIERS SPÉCIAUX

TIALN

TICN



Circular Saws - PVD

Scies Circulaires - PVD

Ø	Thk.	Hole	Teeth Nr	PCS
250	1,6	32	200	1
250	2,0	32	200	1
250	2,0	40	200	1
250	2,5	32	200	1
250	2,5	40	200	1
275	2,0	32	220	1
275	2,0	40	220	1
275	2,5	32	220	1
275	2,5	40	220	1
300	2,0	32	220	1
300	2,0	40	220	1
300	2,5	32	220	1
300	2,5	40	220	1
315	2,0	32	220	1
315	2,0	40	220	1
315	2,5	32	220	1
315	2,5	40	220	1
350	2,5	32	280	1
350	2,5	40	280	1
350	2,5	50	280	1
350	3,0	32	280	1
350	3,0	40	280	1
350	3,0	50	280	1
370	3,0	32	280	1
370	3,0	40	280	1
370	3,0	50	280	1
400	3,0	32	310	1
400	3,0	40	310	1
400	3,0	50	310	1

TIALN - PVD INOX

CODE
MX8000
MX8001
MX8002
MX8003
MX8004
MX8005
MX8006
MX8007
MX8008
MX8009
MX8010
MX8011
MX8012
MX8013
MX8014
MX8015
MX8016
MX8017
MX8018
MX8019
MX8020
MX8021
MX8022
MX8023
MX8024
MX8025
MX8026
MX8027
MX8028

TICN - PVD

CODE
MX8400
MX8401
MX8402
MX8403
MX8404
MX8405
MX8406
MX8407
MX8408
MX8409
MX8410
MX8411
MX8412
MX8413
MX8414
MX8415
MX8416
MX8417
MX8418
MX8419
MX8420
MX8421
MX8422
MX8423
MX8424
MX8425
MX8426
MX8427
MX8428

PVD Method:

- Increases surface hardness
- Decreases friction
- Limits corrosion and oxidation
- Reduces working time.

- For extra hard materials and stainless steel
- For difficult high speed cut conditions
- Cut speed from 10% to 25% faster than a normal vaporized saw

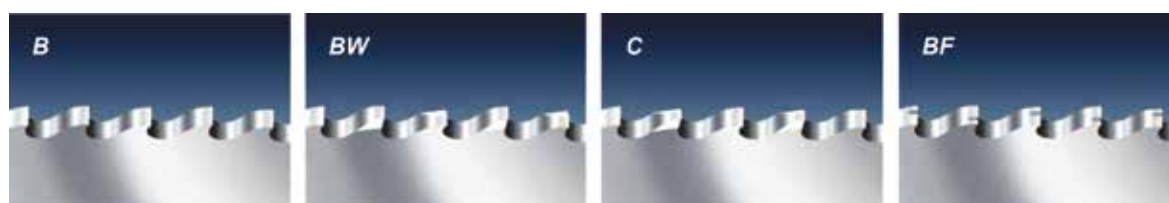
- Saws for high production cutting in stainless steel materials that are difficult to mechanize (AISI-304, AISI306).
- Excellent results on automatic machines with fast cuts and economical cuts with excellent finish

Types of teeth

Types de dents

Teeth alteration has a 10% Increase. Other diameters under request

Modification des dents a une augmentation de 10%. Autres diamètres sur demande



SERRAS CIRCULARES PARA CORTE DE METAIS, FORMA A - DIN1837 HSS

CIRCULAR SAWS FOR METAL CUTTING, SHAPE A - DIN1837 HSS

SCIES CIRCULAIRES POUR LA COUPE DES MÉTAUX, FORME A - DIN1837 HSS

CODE	Ø	Thk.	Hole	Teeth	PCS
SE0002	20	0,25	5	64	1
SE0003	20	0,3	5	64	1
SE0004	20	0,4	5	64	1
SE0005	20	0,5	5	48	1
SE0006	20	0,6	5	48	1
SE0007	20	0,8	5	48	1
SE0008	20	1	5	40	1
SE0009	20	1,2	5	40	1
SE0017	20	1,6	5	40	1
SE0010	20	1,5	5	40	1
SE0011	20	2	5	32	1
SE0012	20	2,5	5	32	1
SE0013	20	3	5	32	1
SE0014	20	4	5	24	1
SE0015	20	5	5	24	1
SE0016	20	6	5	24	1
SE0050	25	0,2	8	80	1
SE0051	25	0,25	8	80	1
SE0052	25	0,3	8	80	1
SE0053	25	0,4	8	64	1
SE0054	25	0,5	8	64	1
SE0055	25	0,6	8	64	1
SE0056	25	0,8	8	48	1
SE0057	25	1	8	48	1
SE0058	25	1,2	8	48	1
SE0066	25	1,5	8	40	1
SE0059	25	1,6	8	40	1
SE0060	25	2	8	40	1
SE0061	25	2,5	8	40	1
SE0062	25	3	8	32	1
SE0063	25	4	8	32	1
SE0064	25	5	8	32	1
SE0065	25	6	8	24	1
SE0100	32	0,2	8	100	1
SE0101	32	0,25	8	100	1
SE0102	32	0,3	8	80	1
SE0103	32	0,4	8	80	1
SE0104	32	0,5	8	80	1
SE0105	32	0,6	8	64	1
SE0106	32	0,8	8	64	1
SE0107	32	1	8	64	1
SE0108	32	1,2	8	48	1
SE0116	32	1,5	8	48	1
SE0109	32	1,6	8	48	1
SE0110	32	2	8	48	1
SE0111	32	2,5	8	40	1
SE0112	32	3	8	40	1
SE0113	32	4	8	40	1
SE0114	32	5	8	32	1
SE0115	32	6	8	32	1
SE0150	40	0,2	10	128	1
SE0151	40	0,25	10	100	1
SE0152	40	0,3	10	100	1
SE0153	40	0,4	10	100	1
SE0154	40	0,5	10	80	1
SE0155	40	0,6	10	80	1
SE0156	40	0,8	10	80	1
SE0157	40	1	10	64	1

CODE	Ø	Thk.	Hole	Teeth	PCS
SE0158	40	1,2	10	64	1
SE0166	40	1,5	10	64	1
SE0159	40	1,6	10	64	1
SE0160	40	2	10	48	1
SE0161	40	2,5	10	48	1
SE0162	40	3	10	48	1
SE0163	40	4	10	40	1
SE0164	40	5	10	40	1
SE0165	40	6	10	40	1
SE0200	50	0,2	13	128	1
SE0201	50	0,25	13	128	1
SE0202	50	0,3	13	128	1
SE0203	50	0,4	13	100	1
SE0204	50	0,5	13	100	1
SE0205	50	0,6	13	100	1
SE0207	50	0,8	13	80	1
SE0208	50	1	13	80	1
SE0209	50	1,2	13	80	1
SE0210	50	1,5	13	64	1
SE0211	50	1,6	13	64	1
SE0212	50	2	13	64	1
SE0213	50	2,5	13	64	1
SE0214	50	3	13	48	1
SE0216	50	4	13	48	1
SE0217	50	5	13	48	1
SE0218	50	6	13	40	1
SE0250	63	0,25	16	160	1
SE0251	63	0,3	16	128	1
SE0252	63	0,4	16	128	1
SE0253	63	0,5	16	128	1
SE0254	63	0,6	16	100	1
SE0256	63	0,8	16	100	1
SE0257	63	1	16	100	1
SE0258	63	1,2	16	80	1
SE0259	63	1,5	16	80	1
SE0260	63	1,6	16	80	1
SE0261	63	2	16	80	1
SE0262	63	2,5	16	64	1
SE0263	63	3	16	64	1
SE0265	63	4	16	64	1
SE0266	63	5	16	48	1
SE0267	63	6	16	48	1
SE0300	80	0,3	22	160	1
SE0301	80	0,4	22	160	1
SE0302	80	0,5	22	128	1
SE0303	80	0,6	22	128	1
SE0305	80	0,8	22	128	1
SE0306	80	1	22	100	1
SE0307	80	1,2	22	100	1
SE0308	80	1,5	22	100	1
SE0309	80	1,6	22	100	1
SE0310	80	2	22	80	1
SE0311	80	2,5	22	80	1
SE0312	80	3	22	80	1
SE0314	80	4	22	64	1
SE0315	80	5	22	64	1
SE0316	80	6	22	64	1

CODE	Ø	Thk.	Hole	Teeth	PCS
SE0350	100	0,5	22	160	1
SE0351	100	0,6	22	160	1
SE0352	100	0,8	22	128	1
SE0353	100	1	22	128	1
SE0354	100	1,2	22	128	1
SE0355	100	1,5	22	100	1
SE0356	100	1,6	22	100	1
SE0357	100	2	22	100	1
SE0358	100	2,5	22	100	1
SE0359	100	3	22	80	1
SE0361	100	4	22	80	1
SE0362	100	5	22	80	1
SE0366	100	6	22	64	1
SE0400	125	0,6	22	160	1
SE0401	125	0,8	22	160	1
SE0402	125	1	22	160	1
SE0403	125	1,2	22	128	1
SE0404	125	1,5	22	128	1
SE0405	125	1,6	22	128	1
SE0406	125	2	22	128	1
SE0407	125	2,5	22	100	1
SE0408	125	3	22	100	1
SE0409	125	4	22	100	1
SE0410	125	5	22	80	1
SE0411	125	6	22	80	1
SE0450	160	1	32	160	1
SE0451	160	1,2	32	160	1
SE0452	160	1,5	32	160	1
SE0453	160	1,6	32	160	1
SE0454	160	2	32	128	1
SE0455	160	2,5	32	128	1
SE0456	160	3	32	128	1
SE0457	160	4	32	100	1
SE0458	160	5	32	100	1
SE0459	160	6	32	100	1
SE0500	200	1	32	200	1
SE0501	200	1,2	32	200	1
SE0502	200	1,5	32	160	1
SE0503	200	1,6	32	160	1
SE0504	200	2	32	160	1
SE0505	200	2,5	32	160	1
SE0506	200	3	32	128	1
SE0508	200	4	32	128	1
SE0509	200	5	32	128	1
SE0510	200	6	32	100	1

HSS



Type A Tooth Shape DIN1837
DIN1837 - Forme de la Dent Type A

SERRAS CIRCULARES DE SEGMENTOS EM HSS

HSS SEGMENT CIRCULAR SAWS

SCIES CIRCULAIRES À SEGMENTS HSS

HSS



HSS Segment Circular Saws

Scies Circulaires à Segments

Ø	Thickness	Hole	Nr Segments	PCS
250	4,00	32	12	1
275	4,00	40	12	1
315	4,00	40	16	1
355	4,50	40	16	1
370	3,50	50	16	1
400	4,00	50	16	1
460	4,50	60	18	1
510	5,50	60	18	1
560	5,50	70	18	1
610	6,00	80	20	1
630	6,00	80	20	1
660	6,00	80	20	1
710	6,00	80	24	1
760	6,00	80	24	1
800	7,00	80	24	1
910	7,00	80	30	1
1010	8,00	100	30	1
1110	8,00	100	36	1
1210	8,00	100	36	1
1250	9,00	100	36	1
1310	9,00	100	36	1
1400	9,00	100	36	1
1510	10,00	100	36	1
1600	11,00	150	40	1

Segments

Segments

Teeth number to inform / Nombre de dents à indiquer
Z2 - Z3 - Z4 - Z5 - Z6 - Z8 - Z10 - Z12

We provide technical assistance
Nous fournissons une assistance technique

SERRAS DE PASTILHA COM DENTES EM METAL DURO

CARBIDE TIPPED CIRCULAR SAW BLADES

SCIES À PLAQUETTES AVEC DENTS EN CARBURE

Aluminium - Positive Tooth

Aluminium - Dent Positive

CODE	Ø	Thk.	Hole	Teeth Nr	PCS
MSP001	250	3,20	32	80DP	1
MSP002	250	3,20	30	80DP	1
MSP003	300	3,20	32	96DP	1
MSP004	300	3,20	30	96DP	1
MSP005	350	3,60	32	84DP	1
MSP006	350	3,60	30	84DP	1
MSP007	350	3,60	32	108DP	1
MSP008	350	3,60	30	108DP	1
MSP009	400	4,00	32	120DP	1
MSP010	400	4,00	30	120DP	1
MSP011	420	4,00	30	96DP	1
MSP012	420	4,00	30	120DP	1
MSP013	450	4,00	32	128DP	1
MSP014	450	4,00	30	128DP	1
MSP015	500	4,20	32	140DP	1
MSP016	500	4,20	30	140DP	1
MSP017	550	4,20	30	110DP	1
MSP018	550	4,20	32	140DP	1
MSP019	550	4,20	30	140DP	1
MSP020	600	4,60	32	140DP	1
MSP021	600	4,60	30	140DP	1
MSP022	600	4,60	40	140DP	1

Others measures by request (till 1000)

Application

Circular saws for cutting tubular profiles in non-ferrous metals, aluminium, pvc, etc....

Circular saws for cutting tubular profiles in non-ferrous metals, aluminium, pvc, etc....



Aluminium - Negative Tooth

Aluminium - Dent Negative

CODE	Ø	Thk.	Hole	Teeth Nr	PCS
MSP050	250	3,20	32	80DN	1
MSP051	250	3,20	30	80DN	1
MSP052	300	3,20	32	96DN	1
MSP053	300	3,20	30	96DN	1
MSP054	350	3,60	32	108DN	1
MSP055	350	3,60	30	108DN	1
MSP056	400	4,00	32	120DN	1
MSP057	400	4,00	30	120DN	1
MSP058	450	4,00	32	128DN	1
MSP059	450	4,00	30	128DN	1
MSP060	500	4,20	32	140DN	1
MSP061	500	4,20	30	140DN	1
MSP062	600	4,60	30	140DN	1

Others measures by request

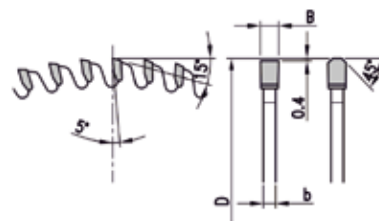
Application

Circular saws for cutting tubular profiles in non-ferrous metals, aluminium, pvc, etc....

Circular saws for cutting tubular profiles in non-ferrous metals, aluminium, pvc, etc....

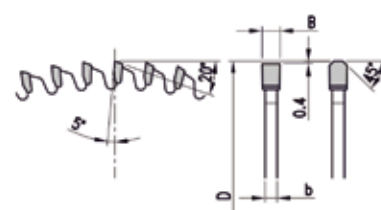


CARBIDE



Automatic

CARBIDE



Manual

SERRAS DE PASTILHA COM DENTES EM METAL DURO

CARBIDE TIPPED CIRCULAR SAW BLADES

SCIES À PLAQUETTES AVEC DENTS EN CARBURE

Wood - Alternate Tooth

Bois - Dent Alternée

CODE	Ø	Thk.	Hole	Teeth Nr	PCS
MSP070	250	3,20	30	40DA	1
MSP071	250	3,20	30	60DA	1
MSP072	250	3,20	30	80DA	1
MSP073	300	3,20	30	48DA	1
MSP074	300	3,20	30	72DA	1
MSP075	300	3,20	30	96DA	1
MSP076	350	3,50	30	54DA	1
MSP077	350	3,50	30	72DA	1
MSP078	400	3,50	30	60DA	1
MSP079	400	3,50	30	96DA	1
MSP080	450	4,00	30	66DA	1
MSP081	450	4,00	30	138DA	1
MSP082	500	4,00	30	72DA	1
MSP083	500	4,00	30	144DA	1

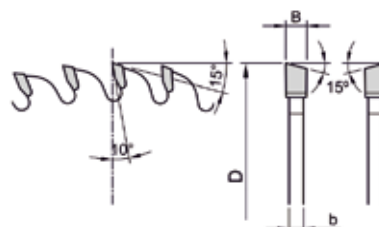
Application

Circular saws for longitudinal and transversal cutting of solid wood (soft and hard) and uncoated wooden derivatives.

Scies circulaires pour la coupe longitudinale et transversale du bois massif (tendre et dur) et des dérivés du bois sans revêtement



CARBIDE



Laminated - Trapezoidal Tooth

Stratifiée - Dent Trapézoïdale

CODE	Ø	Thk.	Hole	Teeth Nr	PCS
MSP090	250	3,20	30	60DP	1
MSP091	250	3,20	30	80DP	1
MSP092	300	3,20	30	72DP	1
MSP093	300	3,20	30	96DP	1
MSP094	350	3,50	30	84DP	1
MSP095	350	3,50	30	108DP	1

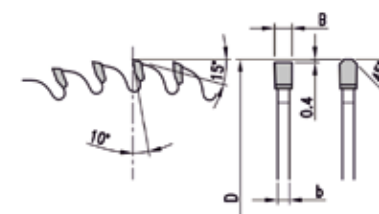
Application

Circular saws for cutting coated wood derivatives such as MDF, chipboard, among others.

Scies circulaires pour la coupe longitudinale et transversale du bois massif (tendre et dur) et des dérivés du bois sans revêtement.



CARBIDE



SERRAS CIRCULARES COM DENTES EM METAL DURO

CARBIDE TIPPED CIRCULAR SAW BLADES

SCIES À PLAQUETTES AVEC DENTS EN CARBURE

Dry Cut (Sandwich Panels)

Coupe à Sec (panneaux sandwich)

CODE	Ø	Thk.	Hole	Teeth Nr	Speed. R.P.M.	PCS
MSP100	180	2,20	20	32	2500	1
MSP101	180	2,20	30	32	2500	1
MSP102	190	2,20	30	38	2200	1
MSP103	230	2,20	30	44	2200	1
MSP104	250	2,20	30	48	2200	1
MSP105	250	2,20	30	60	1600	1
MSP106	270	2,20	30	60	1600	1
MSP107	305	2,20	25,4	60	1600	1
MSP108	305	2,20	30	60	1600	1
MSP109	305	2,20	25,4	80	1600	1
MSP110	305	2,20	30	80	1200	1
MSP111	355	2,20	25,4	90	1200	1
MSP112	355	2,20	30	90	1200	1

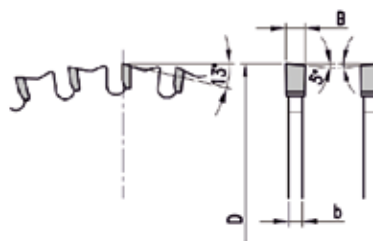
Application

Circular saws for cutting sandwich panels, iron, steel, PVC, composite materials, etc... The saw with D=305 e Z=80 is recommended for cutting stainless steel and dry cutting.

Scies circulaires pour la coupe longitudinale et transversale du bois massif (tendre et dur) et des dérivés du bois sans revêtement.



CARBIDE



Portable Machines

Machines Portables

CODE	Ø	Thk.	Hole	Teeth Nr	PCS
MSP120	160	2,60	20	24	1
MSP121	160	2,40	16	48	1
MSP122	160	2,20	20	48	1
MSP123	180	2,80	30	30	1
MSP124	190	2,40	30	24	1
MSP125	190	2,40	30	40	1
MSP127	210	2,60	30	24	1
MSP128	210	2,60	30	48	1
MSP129	230	3,00	30	24	1
MSP130	230	3,00	30	34	1
MSP131	235	3,00	30	34	1
MSP132	235	3,00	30	48	1

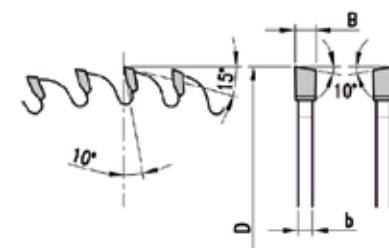
Application

Circular saws for longitudinal and transverse cutting of solid wood and driftwood.

Scies circulaires pour la coupe longitudinale et transversale du bois massif et dérivés.



CARBIDE



SERRAS DE FITA PARA A INDÚSTRIA ALIMENTAR EM AÇO CARBONO

CARBON STEEL BAND SAW BLADES FOR THE FOOD INDUSTRY

SCIES À RUBAN EN ACIER AU CARBONE POUR L'INDUSTRIE ALIMENTAIRE

CROMO VANADIUM



Meat Cut

Découpe de la viande

Dimensions Height x Thickness			Teeth Nr. p/inches	
			3	4
16	x	0,50	•	•
19	x	0,50	•	•



Meat

Characteristics:

- High carbon steel DIN 125 Cr1 (approx.. 50HRC)
- Special tooth execution FOOD TOOTH – neutral cutting angle 0°.
- Specific tempering located on the teeth (65-66 HRC).
- Brushed and polished band saw body .

Benefits:

- Great flexibility and resistance to twisting of the band saw .
- Excellent performance and easier cutting action thanks to compensation of sections variation and meat/bone/cartilage density of all kinds of animal carcasses
- Increased service life
- Reduction of tendency of residues of eliminated material to settle

Caractéristiques:

- Acier à haute teneur en carbone DIN 125 Cr 1 (env.50 HRC)
- Exécution spéciale de la dent FOOD TOOTH - angle de coupe neutre 0°
- Traitement spécifique de la température localisée dans les dents (65 66 HRC)
- Corps du ruban de scie brossé et poli.

Avantages:

- Grande flexibilité et résistance aux torsions de la bande.
- Excellent rendement et action de coupe plus facile grâce à la compensation des variations de sections et de densité de viande / os / cartilages de toutes sortes de carcasses d'animaux.
- Augmentation de la durée de vie.
- Réduction de la tendance à la fixation des déchets de matériaux éliminés.

SERRAS DE FITA PARA A INDÚSTRIA ALIMENTAR EM INOX

M42 BIMETALLIC BAND SAW BLADES

SCIES À RUBAN EN ACIER INOXYDABLE POUR L'INDUSTRIE ALIMENTAIRE

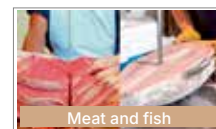
INOX



Meat and Fish Cut

Découpe de viande et de poisson

Dimensions Height x Thickness			Teeth Nr. p/inches	
			3	4
16	x	0,56	•	•
19	x	0,56	•	•



Meat and fish

Characteristics:

- Stainless steel AISI 429 B (approx. 50 HRC) .
- Special tooth execution FOOD TOOTH– neutral cutting angle 0°.
- Brushed and polished band saw body.

Benefits:

- No oxidation phenomenon on the tape body, i.e. total absence of transfer contamination and any trace of oxidation of the sliced food
- Excellent performance and easier cutting of all types of meat and fish (fresh or frozen / with or without bones)

Caractéristiques:

- Acier inoxydable ISI 429 B (env.50 HRC).
- Exécution spéciale de la dent FOOD TOOTH - angle de coupe neutre 0°.
- Corps du ruban de scie brossé et poli.

Avantages:

- Aucun phénomène d'oxydation dans le corps de la bande, c'est-à-dire absence totale de transfert de contamination et toute trace d'oxydation des aliments coupés.
- Excellent rendement et plus de facilité de découpe de tous les types de viande et du poisson (frais ou congelés / avec ou sans os).

SERRAS DE FITA BIMETÁLICA M42

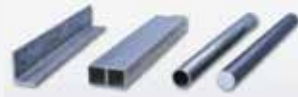
M42 BIMETALLIC BAND SAW BLADES
SCIÉS À RUBAN BIMÉTALLIQUES M42

HSS-CO M42

PROF-MULTIUSOS M42 - PFMU

HSSE 8% CO

- For cutting profiles, tubes, solids and all types of materials.
- Pour la coupe de profilés, tubes, massifs et toutes sortes de matériaux en général.



Dimension			Teeth Nr. p/inches						
Height x Thickness			2/3	3/4	4/6	5/8	6/10	8/12	10/14
13	x	0,65					S	S	S
20	x	0,90			K	S	S	S	S
27	x	0,90		K	K	S	S	S	S
34	x	1,10	K	K	K	S	S	S	
41	x	1,30	K	K	K				

Tooth Shape: (S) 0° (K) Positive

PROF-MULTIUSOS SUPER M42 - PFSUP

HSSE 8% CO

- For individual and series cutting of profiles and solid materials.
- For collective or layered cutting.
- Pour la découpe individuelle et en série de profilés et de matériaux massifs.
- Pour la coupe collective ou couches.



Dimension			Teeth Nr. p/inches						
Height x Thickness			3/4	4/6	5/8	6/10	8/12	10/14	
13	x	0,65				S	S	S	
20	x	0,90		S	S	S	S	S	
27	x	0,90	S	S	S	S	S	S	
34	x	1,10	S	S	S	S	S		
41	x	1,30	S	S	S	S			
54	x	1,30				S			

Tooth Shape: (S) 0°

PROF-PERFIL M42 - PFPER

HSSE 8% CO

- For cutting profiles and beams
- Extra stable tooth geometry against tooth breakage
- Great reduction of vibrations
- Pour couper les profilés et les poutres.
- Géométrie de la dent extra.stable contre la casse des dents.
- Réduction importante des vibrations.



Dimension			Teeth Nr. p/inches						
Height x Thickness			2/3	3/4	4/6	5/7	8/11	12/16	
20	x	0,90				P	P	P	
27	x	0,90		P	P	P	P	P	
34	x	1,10	P	P	P	P	P		
41	x	1,30	P	P	P	P	P		
54	x	1,60	P	P	P				

Tooth Shape: (P) Positive

We provide technical assistance

MASTER PROF
PROFESSIONAL TOOLS

SERRAS DE FITA BIMETÁLICA M42, M51 E DENTES EM METAL DURO

M42, M51 BIMETALLIC BAND SAW BLADES AND TEETH IN CARBED METAL
SCIES À RUBAN BIMÉTALLIQUES M42, M51 ET DENTS EN CARBURE

HSS-CO M42

PROF-MACIÇOS M42 - PFMA

- For profiles and solid material.
- For collective or layered cutting.
- Pour profilés et matériaux solides.
- Pour la coupe collective ou en couches



HSSE 8% CO



Dimension			Teeth Nr. p/inches					
Height x Thickness			0,75/1,25	1,4/2	2/3	3/4	4/6	5/8
27	x	0,90			K	K	K	K
34	x	1,10		K	K	K	K	K
41	x	1,30		K	K	K	K	K
54	x	1,60		K	K	K	K	
67	x	1,60	K	K	K	K	K	
80	x	1,60	K	K	K			

Tooth Shape: (K) Positive

PROF-INOX X-3000 M51

- For profiles and solid material.
- For collective or layered cutting
- For difficult ,machine jobs.
- Pour profilés et matériaux solides.
- Pour la coupe collective ou en couches.
- Pour les travaux difficiles.



HSSE 10% CO



Dimension			Teeth Nr. p/inches					
Height x Thickness			1,4/2	2/3	3/4	4/6	5/8	
27	x	0,90			K	K	K	
34	x	1,10		K	K	K		
41	x	1,30		K	K	K		
54	x	1,60	K	K	K	K		
67	x	1,60	K	K	K	S		

Tooth Shape: (K) Positive

PROF TCT/FUT

- For abrasive materials, minerals, graphite and gray cast iron
- Pour les matériaux abrasifs, minéraux, graphite et fonte grise.



CARBIDE



Dimension			Teeth Nr. p/inches					
Height x Thickness			0,85/1,15	1/1,4	1,4/2	2/3	3/4	
27	x	0,90						T
34	x	1,10					T	T
41	x	1,30			T	T	T	
54	x	1,60	T	T	T	T		
67	x	1,60	T	T	T	T		
80	x	1,60	T	T	T			

Tooth Shape: (T) Positive

We provide technical assistance

MASTER PROF
PROFESSIONAL TOOLS

TABELA PARA SELEÇÃO DO DENTADO

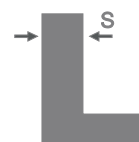
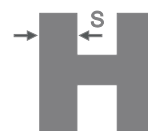
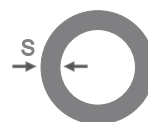
TOOTH SELECTION TABLE

TABLEAU DE SÉLECTION DES DENTS

Profiles, Tubes and Beams

Profilés, Tubes et Poutres

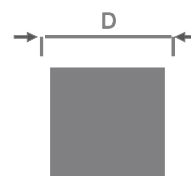
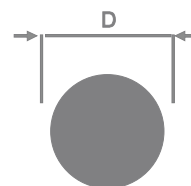
Até 1mm	12/16z 10/14z
1mm - 2,5mm	8/11z 8/12z
2,5mm - 5mm	5/7z 6/10z
5mm - 7mm	5/7z 5/8z
7mm - 10mm	3/4z 4/6z
10mm - 20mm	3/4z 3/4z
20mm - 45mm	2/3z 2/3z



Solids

Massifs

Até 10mm	10/14z
10mm - 20mm	8/12z
20mm - 40mm	6/10z
40mm - 50mm	5/8z
50mm - 90mm	4/6z
90mm - 120mm	3/4z
120mm - 150mm	2/3z



MASTER-OIL MULTIUSOS, MASTER-OIL EXTRA, MASTER-OIL CUT

MASTER-OIL MULTI USES, MASTER-OIL EXTRA, MASTER-OIL CUT
HUILES POLYVALENT, EXTRA ET COUPE

MASTER-OIL MULTIUSOS

Maquinação de uso geral

MINERAL

CODE		PCS
OLEO01	5 Liters	1
OLEO02	20 Liters	1
OLEO03	205 Liters	1



DESCRIPTION AND APPLICATIONS

MASTER-OIL MULTIPURPOSE is an emulsifiable cutting fluid for general machining, turning, sawing, milling, etc. In all types of materials from steel, aluminum, brass and their alloys, giving a high level of surface finish.

PROPERTIES

MASTER-OIL MULTI-PURPOSE emulsions have high stability with waters up to 50° HF hardness. They provide good cooling of the cutting area, extending the life of the tools.

It has good anticorrosive power from concentrations of 3%, being free of nitrates, giving excellent protection to machines and machined parts. Contains specific bactericides that improve the fermentation resistance of emulsions. Its low surface tension gives it good humidifying qualities, which improves heat evacuation.

MASTER-OIL EXTRA

Maquinação de uso geral Indicado para serras de fita

SEMI-SYNTHETIC

CODE		PCS
OLEO10	5 Liters	1
OLEO11	20 Liters	1
OLEO12	205 Liters	1



DESCRIPTION AND APPLICATIONS

MASTER-OIL EXTRA is a water-emulsifiable cutting fluid with a bacteriostatic nature. It is used for general steel and aluminum machining operations. It's especially suitable for band saws.

PROPERTIES

MASTER-OIL EXTRA has an opaque white emulsion that provides good cooling in the cutting area. Forms a highly stable micro-emulsion with waters up to 35° HF hardness.

It has good anticorrosive power from concentrations of 3%, being free of nitrites, providing excellent protection to machines and machined parts.

MASTER-OIL EXTRA emulsions, due to their bacteriostatic nature, their low concentration of use, their long duration, conservation of tools and savings from bactericides and maintenance, result in great savings compared to emulsions of conventional products.

MASTER-OIL CUT

Maquinação de trabalhos difíceis

SEMI-SYNTHETIC

CODE		PCS
OLEO20	5 Liters	1
OLEO21	20 Liters	1
OLEO22	205 Liters	1



DESCRIPTION AND APPLICATIONS

MASTER-OIL CUT is a special cutting oil for severe machining operations on highly alloyed steels that are difficult to machine, as well as aluminum and its alloys.

It is especially suitable for deep drilling, countersinking and threading operations in medium and high hardness steels.

PROPERTIES

MASTER-OIL CUT is a product specially formulated with extreme pressure additives and fatty matter, completely chlorine-free, which provides excellent lubrication conditions during cutting operations, at high speeds, and in severe working conditions.

MASTER-OIL CUT maintains perfect balance lubri-coolant during cutting operations at high speeds where limit cooling regimes occur, occasionally generating a large amount of heat.

MASTER-OIL MICRO-PULVERIZAÇÃO, CUT ALUMÍNIO E SPRAY DE CORTE

MASTER-OIL MICRO-SPRAYING, MASTER-OIL ALUMINIUM CUT AND CUTTING SPRAY
HUILES MICRO-PULVÉRISATION, COUPE ALUMINIUM ET HUILE DE COUPE EN SPRAY

MASTER-OIL MICRO-PULVERIZAÇÃO Maquinação por sistema de pulverização

LOW ENVIRONMENTAL IMPACT SYNTHETIC

CODE		PCS
OLEO25	5 Liters	1
OLEO26	20 Liters	1
OLEO27	205 Liters	1



DESCRIPTION AND APPLICATIONS

MASTER-OIL MICRO-SPRAYING is an oil Low viscosity synthetic, chlorine-free. This specially designed for direct micro-spray (MQL) machining operations in the tool metal contact zone. The product is ideal for cutting steel and aluminum with band saws and discs at high speeds.

PROPERTIES

MASTER-OIL MICRO-SPRAYING provides excellent lubrication in the cutting area, improving tool performance and the surface finish of machined parts. Special bases and additives are used in the formulation that make it a biodegradable product with very low toxicity. Containing no chlorine, heavy metals, silicones and other substances that could affect people and the environment.

MASTER-OIL CUT ALUMÍNIO

Polimento ou retificação de qualquer tipo de metais

SUITABLE FOR ALUMINUM

CODE		PCS
OLEO35	5 Liters	1
OLEO36	20 Liters	1



DESCRIPTION AND APPLICATIONS

MASTER-OIL CUT ALUMINUM is an oil formulated for polishing or grinding any type of metal, using diamond grinding wheels or abrasives. Especially suitable for aluminum. The incorporation of grease into the formula allows for perfect polishing without scratching the metal.

PROPERTIES

MASTER-OIL CUT ALUMINUM essentially consists of mixtures of highly refined mineral oils and solvents, humectants and antioxidants with additives. The mineral oil used is highly paraffinic and refined in nature, so that workers' skin problems are avoided. The low viscosity, together with its high-power detergent, allows it to be used in sharpening and polishing operations without dulling teeth, tapes, sandpaper, etc. It is an oil due to the incorporation of very energetic surfactants, it has the property of being washable with water, thus making it a very suitable product for polishing aluminum profiles, obtaining for this reason a perfect round degreaser.

Spray Oil Display Set Jeu Display Huile Spray

Composition
6 sprays

CODE
OLEO51



Spray Oil Display Set Jeu Display Huile Spray

Composition
12 sprays

CODE
OLEO52



Spray Oil

Huile Spray

CODE

OLEO50 400 ml



It is ideal for threading, drilling, milling and countersinking. Extends tool life, optimizes chip output and improves cutting performance and surface finish quality

CONSTRUCTION



CONSTRUÇÃO



BROCAS PARA MARTELOS SDS/PLUS "S4" SUPER PROFISSIONAL

SDS PLUS ROTARY HAMMER DRILLS
FORETS PERCUSSION SDS-PLUS "S4"

Made in Germany



CODE	Ø	l mm	L mm	PCS
MTSDS001	4,00	50	110	1
MTSDS002	5,00	50	110	1
MTSDS003	5,00	100	160	1
MTSDS004	5,00	150	210	1
MTSDS005	5,00	250	310	1
MTSDS006	5,50	50	110	1
MTSDS007	5,50	100	160	1
MTSDS093	5,50	150	210	1
MTSDS008	6,00	50	110	1
MTSDS009	6,00	100	160	1
MTSDS010	6,00	150	210	1
MTSDS011	6,00	200	260	1
MTSDS012	6,00	400	460	1
MTSDS013	6,50	50	110	1
MTSDS014	6,50	100	160	1
MTSDS015	6,50	150	210	1
MTSDS016	7,00	50	110	1
MTSDS017	7,00	100	160	1
MTSDS018	7,00	150	210	1
MTSDS019	8,00	50	110	1
MTSDS020	8,00	100	160	1
MTSDS021	8,00	150	210	1
MTSDS022	8,00	200	260	1
MTSDS023	8,00	250	310	1
MTSDS025	8,00	400	460	1
MTSDS026	8,00	550	600	1
MTSDS027	9,00	100	160	1
MTSDS028	9,00	150	210	1
MTSDS029	10,00	50	110	1
MTSDS030	10,00	100	160	1
MTSDS031	10,00	150	210	1
MTSDS032	10,00	200	260	1
MTSDS033	10,00	250	310	1
MTSDS034	10,00	400	450	1
MTSDS035	10,00	550	600	1
MTSDS036	10,00	950	1000	1
MTSDS037	11,00	100	160	1
MTSDS039	11,00	200	260	1
MTSDS040	12,00	100	160	1
MTSDS041	12,00	150	210	1
MTSDS042	12,00	200	260	1
MTSDS043	12,00	250	310	1
MTSDS044	12,00	400	450	1
MTSDS045	12,00	550	600	1
MTSDS046	12,00	950	1000	1

CODE	Ø	l mm	L mm	PCS
MTSDS047	13,00	100	160	1
MTSDS048	13,00	150	210	1
MTSDS049	13,00	200	260	1
MTSDS050	14,00	100	160	1
MTSDS051	14,00	150	210	1
MTSDS052	14,00	200	260	1
MTSDS053	14,00	250	310	1
MTSDS054	14,00	400	450	1
MTSDS055	14,00	550	600	1
MTSDS056	14,00	950	1000	1
MTSDS057	15,00	100	160	1
MTSDS058	15,00	200	260	1
MTSDS094	16,00	110	160	1
MTSDS060	16,00	150	210	1
MTSDS061	16,00	200	260	1
MTSDS062	16,00	250	310	1
MTSDS063	16,00	400	450	1
MTSDS064	16,00	550	600	1
MTSDS066	16,00	950	1000	1
MTSDS067	18,00	150	200	1
MTSDS069	18,00	250	300	1
MTSDS070	18,00	400	450	1
MTSDS071	18,00	550	600	1
MTSDS072	18,00	950	1000	1
MTSDS073	19,00	150	200	1
MTSDS074	20,00	150	200	1
MTSDS075	20,00	250	300	1
MTSDS076	20,00	400	450	1
MTSDS077	20,00	550	600	1
MTSDS078	20,00	950	1000	1
MTSDS079	22,00	200	250	1
MTSDS081	22,00	400	450	1
MTSDS082	22,00	550	600	1
MTSDS083	22,00	950	1000	1
MTSDS084	24,00	200	250	1
MTSDS085	24,00	400	450	1
MTSDS086	25,00	200	250	1
MTSDS087	25,00	400	450	1
MTSDS088	25,00	950	1000	1
MTSDS089	26,00	200	250	1
MTSDS090	26,00	400	450	1



Display Line
Ligne pour Display

Composition
90 pcs

UN	Measure
10	5 × 110
10	5 × 160
10	6 × 110
10	6 × 160
10	8 × 160
10	8 × 210
10	10 × 160
10	10 × 210
10	12 × 210

CODE
MLS4050



Plastic Box Drills Set

Jeu de Forets dans la Boîte Plastique

Composition 7 pcs

Ø	UN
5,00 × 110	1
6,00 × 110	1
8,00 × 110	1
6,00 × 160	1
8,00 × 160	1
10,00 × 160	1
12,00 × 160	1

CODE

MTSDS301

BROCAS PARA MARTELOS SDS/PLUS "4X4" SUPER PROFISSIONAL

4 CUTTERS SDS/PLUS ROTARY HAMMER DRILLS

FORETS PERCUSSION SDS-PLUS 4X4

Made in Germany



CODE	Ø	L mm	L mm	PCS
MT4X4001	5,00	50	110	1
MT4X4002	5,00	100	160	1
MT4X4003	5,50	50	110	1
MT4X4004	5,50	100	160	1
MT4X4005	6,00	50	110	1
MT4X4006	6,00	100	160	1
MT4X4007	6,00	150	210	1
MT4X4008	6,00	200	260	1
MT4X4009	6,00	250	310	1
MT4X4010	6,50	100	160	1
MT4X4011	6,50	150	210	1
MT4X4012	6,50	200	260	1
MT4X4013	6,50	250	310	1
MT4X4014	7,00	50	110	1
MT4X4015	7,00	100	160	1
MT4X4016	8,00	50	110	1
MT4X4017	8,00	100	160	1
MT4X4018	8,00	150	210	1
MT4X4019	8,00	200	260	1
MT4X4020	8,00	250	310	1
MT4X4021	8,00	400	460	1
MT4X4022	10,00	50	110	1
MT4X4023	10,00	100	160	1
MT4X4024	10,00	150	210	1
MT4X4025	10,00	200	260	1
MT4X4026	10,00	250	310	1
MT4X4027	10,00	400	450	1
MT4X4028	10,00	950	1000	1
MT4X4029	12,00	100	160	1
MT4X4030	12,00	150	210	1
MT4X4031	12,00	200	260	1

CODE	Ø	L mm	L mm	PCS
MT4X4032	12,00	250	310	1
MT4X4033	12,00	400	450	1
MT4X4034	12,00	950	1000	1
MT4X4035	14,00	100	160	1
MT4X4036	14,00	150	210	1
MT4X4037	14,00	200	260	1
MT4X4038	14,00	250	310	1
MT4X4039	14,00	400	450	1
MT4X4040	14,00	950	1000	1
MT4X4041	16,00	100	160	1
MT4X4042	16,00	150	210	1
MT4X4043	16,00	200	260	1
MT4X4044	16,00	250	310	1
MT4X4045	16,00	400	450	1
MT4X4046	16,00	950	1000	1
MT4X4047	18,00	200	250	1
MT4X4048	18,00	400	450	1
MT4X4049	20,00	200	250	1
MT4X4050	20,00	400	450	1
MT4X4051	22,00	200	250	1
MT4X4052	22,00	400	450	1
MT4X4053	24,00	200	250	1
MT4X4054	24,00	400	450	1
MT4X4055	25,00	200	250	1
MT4X4056	25,00	400	450	1
MT4X4057	28,00	200	250	1
MT4X4058	28,00	400	450	1
MT4X4059	30,00	200	250	1
MT4X4060	30,00	400	450	1
MT4X4061	32,00	400	450	1



Plastic Box Drills Set Jeu de Forets (Boîte Plastique)	
Composition 7 pcs	
Ø	UN
5,00 × 110	1
6,00 × 110	1
8,00 × 110	1
6,00 × 160	1
8,00 × 160	1
10,00 × 160	1
12,00 × 160	1

CODE
MT4X4400



Display Line Ligne pour Display	
Composition 80 pcs	
UN	Measure
10	5 × 110
10	5 × 160
10	6 × 110
10	6 × 160
10	8 × 160
10	8 × 210
5	10 × 160
5	10 × 210
5	12 × 210

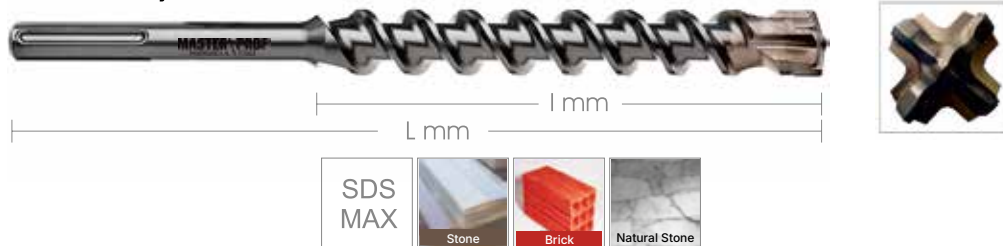
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BROCAS PARA MARTELOS SDS MAX - 4 CORTES (PREMIUM)

4 CUTTERS SDS MAX ROTARY HAMMER DRILLS (PREMIUM)

FORETS PERCUSSION SDS-MAX 4 POINTES (PREMIUM)

Made in Germany



CODE	Ø	l mm	L mm	PCS
MBMA001	12,00	200	340	1
MBMA002	12,00	400	540	1
MBMA003	12,00	600	740	1
MBMA004	14,00	200	340	1
MBMA005	14,00	400	540	1
MBMA006	16,00	200	340	1
MBMA007	16,00	400	540	1
MBMA008	18,00	200	340	1
MBMA009	18,00	400	540	1
MBMA010	18,00	800	940	1
MBMA011	20,00	200	320	1
MBMA012	20,00	400	520	1
MBMA013	20,00	800	920	1
MBMA014	20,00	1200	1320	1
MBMA015	22,00	200	320	1
MBMA016	22,00	400	520	1
MBMA017	22,00	800	920	1
MBMA018	22,00	1200	1320	1
MBMA019	24,00	200	320	1
MBMA020	24,00	400	520	1
MBMA021	25,00	200	320	1
MBMA022	25,00	400	520	1
MBMA023	25,00	800	920	1
MBMA024	25,00	1200	1320	1
MBMA025	26,00	400	520	1
MBMA026	28,00	250	370	1
MBMA027	28,00	450	570	1
MBMA028	30,00	250	370	1
MBMA029	30,00	450	570	1
MBMA030	32,00	250	370	1
MBMA031	32,00	450	570	1
MBMA032	32,00	800	920	1
MBMA033	32,00	1200	1320	1
MBMA038	35,00	450	570	1
MBMA034	38,00	250	370	1
MBMA035	38,00	450	570	1
MBMA036	40,00	450	570	1
MBMA037	40,00	800	920	1
MBMA039	40,00	1200	1320	1



Display Line

Ligne pour Display

Composition

20 pcs

CODE	Measure	PCS
MBMA001	12 × 340	2
MBMA004	14 × 340	2
MBMA006	16 × 340	2
MBMA008	18 × 340	2
MBMA009	18 × 540	2
MBMA011	20 × 320	2
MBMA012	20 × 520	2
MBMA015	22 × 320	2
MBMA016	22 × 520	2
MBMA022	25 × 520	2

CODE

MLMAX50

Others measures by request

BROCAS CILÍNDRICAS PARA PEDRA "STANDARD" (QUALIDADE EXTRA)

STANDARD MASONRY CARBIDE TIPPED DRILLS (HIGH QUALITY)

FORETS POINTE CARBURE MAÇONNERIE "STANDARD" (QUALITÉ SUPPLÉMENTAIRE)



CODE	Ø	l mm	L mm	PCS
MNBP100	3,00	30	60	1
MNBP122	3,50	35	60	1
MNBP101	4,00	40	75	1
MNBP121	4,50	40	75	1
MNBP102	5,00	40	85	1
MNBP103	5,50	45	85	1
MNBP104	6,00	65	120	1
MNBP105	6,50	55	100	1
MNBP106	7,00	55	100	1
MNBP123	7,50	70	120	1
MNBP107	8,00	70	120	1
MNBP108	9,00	70	120	1
MNBP109	10,00	70	120	1
MNBP110	11,00	90	150	1
MNBP111	12,00	90	150	1
MNBP112	13,00	90	150	1
MNBP113	14,00	90	150	1
MNBP115	16,00	90	150	1
MNBP116	18,00	100	160	1
MNBP117	19,00	100	160	1
MNBP118	20,00	100	160	1
MNBP119	22,00	100	160	1
MNBP120	25,00	100	160	1



Plastic Box Drills Set

Jeu de Forets dans la Boîte Plastique

Composition 8 pcs

Ø	UN
3,00	1
4,00	1
5,00	1
6,00	1
7,00	1
8,00	1
9,00	1
10,00	1



Long - Lenght 300mm and 400mm

Longue - Longueur 300 mm et 400 mm

CODE	Ø	l mm	L mm	PCS
MNBPL50	6,00 × 300	230	300	1
MNBPL52	8,00 × 300	210	300	1
MNBPL53	10,00 × 300	210	300	1
MNBPL54	12,00 × 300	210	300	1
MNBPL55	14,00 × 300	210	300	1
MNBPL56	16,00 × 300	210	300	1
MNBPL57	18,00 × 300	210	300	1
MNBPL58	20,00 × 300	210	300	1
MNBPL59	22,00 × 300	210	300	1
MNBPL60	25,00 × 300	210	300	1
MNBPL70	8,00 × 400	300	400	1
MNBPL71	10,00 × 400	300	400	1
MNBPL72	12,00 × 400	300	400	1
MNBPL73	14,00 × 400	300	400	1
MNBPL74	16,00 × 400	300	400	1
MNBPL75	18,00 × 400	300	400	1
MNBPL76	20,00 × 400	300	400	1
MNBPL77	22,00 × 400	300	400	1
MNBPL78	25,00 × 400	300	400	1

CODE

MNBE02

BROCAS UNIVERSAIS "FURA TUDO"

UNIVERSAL "MULTI-PURPOSE" DRILLS
FORETS UNIVERSELS "POLYVALENTE"



CODE	Ø	l mm	L mm	PCS
MTFT01	3,00	40	70	1
MTFT02	4,00	40	75	1
MTFT03	5,00	40	85	1
MTFT04	6,00	55	100	1
MTFT05	7,00	55	100	1
MTFT06	8,00	70	120	1
MTFT07	9,00	70	120	1
MTFT08	10,00	70	120	1
MTFT09	11,00	90	150	1
MTFT10	12,00	90	150	1
MTFT11	13,00	90	150	1
MTFT12	14,00	90	150	1
MTFT13	15,00	90	150	1
MTFT14	16,00	90	150	1



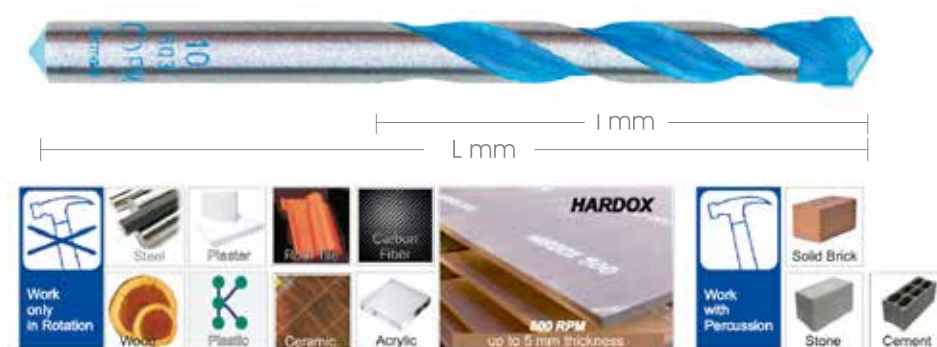
Display Line Ligne pour Display	
Composition 120 pcs	
UN	Measure
20	4
40	5
40	6
20	8
15	10
15	12
5	14
5	16
CODE	
MLFT51	

Plastic Box Drills Set Jeu de Forets dans la Boîte Plastique	
Composition 8 pcs	
Ø	UN
3,00	1
4,00	1
5,00	1
6,00	1
8,00	1
9,00	1
10,00	1
12,00	1
CODE	
MTBE03	

Plastic Box Drills Set Jeu de Forets dans la Boîte Plastique	
Composition 4 pcs	
Ø	UN
5,00	1
6,00	1
8,00	1
10,00	1
CODE	
MTBE04	

BROCAS UNIVERSAIS "FURA TUDO" DE ALTO RENDIMENTO MULTIFUNÇÕES

HIGH PERFORMANCE UNIVERSAL "MULTI-PURPOSE" DRILLS
FORETS UNIVERSELS "POLYVALENTE" - HAUTE PERFORMANCE



CODE	Ø	l mm	L mm	PCS
MTFT20	3,00	40	70	1
MTFT21	4,00	40	75	1
MTFT22	5,00	50	85	1
MTFT23	5,00	90	150	1
MTFT24	5,50	50	85	1
MTFT25	6,00	60	100	1
MTFT26	6,00	90	150	1
MTFT27	6,50	60	100	1
MTFT28	7,00	60	100	1
MTFT29	8,00	80	120	1
MTFT30	8,00	90	150	1
MTFT31	8,00	200	250	1
MTFT32	8,00	350	400	1

CODE	Ø	l mm	L mm	PCS
MTFT33	9,00	80	120	1
MTFT34	10,00	80	120	1
MTFT35	10,00	90	150	1
MTFT36	10,00	200	250	1
MTFT37	10,00	350	400	1
MTFT38	11,00	90	150	1
MTFT39	12,00	90	150	1
MTFT40	12,00	200	250	1
MTFT41	12,00	350	400	1
MTFT42	14,00	150	200	1
MTFT43	14,00	200	250	1
MTFT44	16,00	150	200	1



Characteristics:

- Hard metal plate, sharpened and rectified with innovative geometry.
- The head geometry guarantees perfect centering.
- Tool body made of alloy steel.



Display Line Ligne pour Display	
Composition 70 pcs	
UN	Measure
5	3 × 70
5	4 × 75
5	5 × 85
5	10 × 120
5	10 × 150
5	12 × 150
10	6 × 100
10	8 × 120
8	6 × 150
8	8 × 150
2	14 × 200
2	16 × 200

CODE
MLFT50

Plastic Box Drills Set Jeu de Forets "Polyvalente"	
Composition 4 Pcs	
Ø	UN
4,00	1
5,00	1
6,00	1
8,00	1

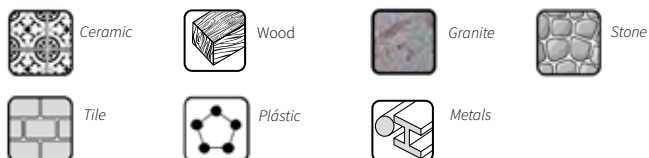
CODE
MTFT97

Plastic Box Drills Set Jeu de Forets "Polyvalente"	
Composition 7 pcs	
Ø	UN
3,00	1
4,00	1
5,00	1
6,00	1
8,00	1
9,00	1
10,00	1

CODE
MTFT99

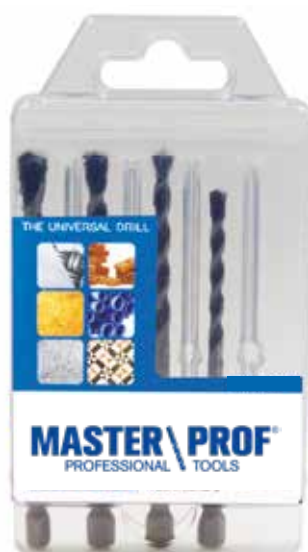
BROCAS UNIVERSAIS" FURA TUDO" ALTO RENDIMENTO CABO HEX 1/4

HIGH PERFORMANCE UNIVERSAL "MULTI-PURPOSE" DRILLS WITH HEXAGONAL HANDLE
FORETS UNIVERSELS "POLYVALENTE" POIGNÉE HEXAGONALE- HAUTE PERFORMANCE



CODE	Ø	Inches	d	l	L	PCS
MBE200	3	1/8	1/4	45	90	1
MBE201	4	5/32	1/4	45	90	1
MBE202	5	3/16	1/4	50	100	1
MBE203	5,5	7/32	1/4	60	100	1
MBE204	6	15/64	1/4	60	100	1
MBE205	6	15/64	1/4	200	250	1
MBE206	6,5	1/4	1/4	200	250	1
MBE207	7	9/32	1/4	50	100	1
MBE208	8	5/16	1/4	50	100	1
MBE209	10	3/8	1/4	90	150	1

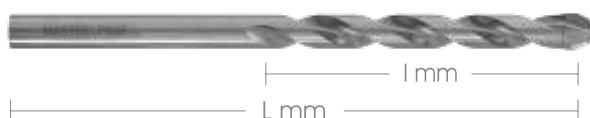
Plastic Box Drills Set Jeu de Forets "Polyvalente"
Composition 4 pcs
1 x Ø 4 mm 2 x Ø 5 mm 1 x Ø 8 mm
CODE MBE210



BROCA ESPECIAL PARA GRÉS PORCELÂNICO GRESMASTER

SPECIAL DRILL FOR PORCELAIN STONEWARE

FORET SPÉCIAL POUR GRÈS CÉRAMÉ



CODE	Ø	l	L
MBG01	4	50	85
MBG02	5	50	85
MBG03	6	65	100
MBG04	8	75	125
MBG05	10	90	150



GRESMASTER

Drills Set

Jeu de Forets
GRESMASTER

Composition 3 pcs

Ø	UN
1	6
1	8
1	10

Drill Diameter

4÷6 8÷10

RPM

500 400

CODE

MBG10

Is the easiest and most intuitive tool to use, it is used dry, and it is self-centering.

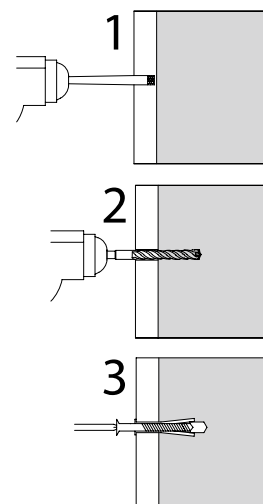
GRESMASTER

Special for porcelain



The only fundamental caution is to use the **drill at low speed**, approximately 500 rpm

To prolong its life, the drill should be used to drill the tile only (1): when it comes into contact with the wall, in case you need to install anchor bolts, for example (3), it is a good idea to continue the hole with a regular rotopercussion concrete drill (2).

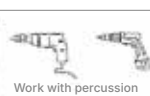


The drill should be used with rotation only, without the use of percussion and taking care to cool or allow the tool to cool between holes

BROCAS "MASTER GRANITO" PARA FURAR GRANITO

"MASTER GRANITE" DRILLS

FORETS POUR PERCER LE GRANIT



CODE	Ø	d	l mm	L mm	PCS
MTG001	3,00	2,80	30	60	1
MTG002	4,00	3,80	40	75	1
MTG003	5,00	4,50	50	75	1
MTG004	6,00	5,50	60	100	1
MTG005	7,00	6,50	60	100	1
MTG006	8,00	7,50	80	120	1
MTG007	9,00	8,00	80	120	1
MTG008	10,00	9,00	80	120	1
MTG009	11,00	10,00	90	150	1
MTG010	12,00	10,00	90	150	1
MTG011	13,00	10,00	90	150	1
MTG012	14,00	10,00	90	150	1
MTG013	15,00	10,00	100	160	1
MTG014	16,00	10,00	100	160	1
MTG015	18,00	10,00	100	160	1
MTG016	20,00	13,00	100	160	1

CODE	Ø	d	l mm	L mm	PCS
MTG100	5,00	4,50	90	150	1
MTG101	6,00	5,50	90	150	1
MTG102	8,00	7,50	90	150	1
MTG103	10,00	9,00	90	150	1

Delivery Date subject to confirmation

CODE	Ø	d	l mm	L mm	PCS
MTG200	8,00	7,50	200	250	1
MTG201	10,00	9,00	200	250	1
MTG202	12,00	10,00	200	250	1
MTG203	14,00	10,00	200	250	1

Delivery Date subject to confirmation



Plastic Box Drills Set

Jeu de Forets dans la Boîte Plastique

Composition 7 pcs

Ø	UN
3,00	1
4,00	1
5,00	1
6,00	1
8,00	1
9,00	1
10,00	1

CODE

MTG301

BROCAS "EXTREME" ESPECIAL PARA MATERIAIS DUROS COM PONTA METAL DURO

"EXTREME" SPECIAL DRILLS FOR HARD MATERIALS
FORETS "EXTREME" POUR MATÉRIAUX DURS



CODE	Ø	d	l mm	L mm	PCS
MTE001	3,00	2,80	30	70	1
MTE002	4,00	3,80	40	75	1
MTE003	5,00	4,50	50	85	1
MTE004	6,00	5,50	60	100	1
MTE005	7,00	6,50	60	100	1
MTE006	8,00	7,50	80	120	1
MTE007	10,00	9,00	80	120	1
MTE008	12,00	10,00	90	150	1
MTE009	14,00	10,00	200	250	1



Plastic Box Drills Set Jeu de Forets dans la Boîte Plastique	
Composition 4 pcs	
Ø	UN
5,00	1
6,00	1
8,00	1
10,00	1

CODE
MTE050

Precise cutting and fast rotation in hard and abrasive materials
Until end of stock/ Jusqu'à fin du stock

BROCAS PARA VIDRO COM PONTA EM METAL DURO

GLASS DRILLS WITH CARBIDE TIP
FORETS VERRE



CODE	Ø	d	L mm	PCS
MTV001	3,00	3,00	58	1
MTV002	4,00	3,00	58	1
MTV003	5,00	4,00	58	1
MTV004	6,00	5,00	58	1
MTV005	7,00	5,00	78	1
MTV006	8,00	6,00	78	1
MTV007	9,00	6,00	98	1
MTV008	10,00	7,00	98	1
MTV009	12,00	8,00	98	1

BROCAS DIAMANTADAS PARA GRÊS PORCELÂNICO E MATERIAIS DUROS

DIAMOND DRILLS AND CORE DRILLS FOR SANDWARE, SANDSTONE AND VERY HARD MATERIALS
FORETS DIAMANTÉES AVEC COURONNE CONTINUE POUR GRÊS ET MATÉRIAUX DURS



CODE	Ø	d	L mm	PCS
MKB01	5,00	9,50	56	1
MKB02	6,00	9,50	56	1
MKB03	7,00	9,50	56	1
MKB04	8,00	9,50	56	1
MKB05	10,00	9,50	56	1
MKB06	12,00	9,50	56	1
MKB07	14,00	9,50	56	1



CODE	Ø	d	L mm	PCS
MKB08	16,00	12,50	90	1
MKB09	18,00	12,50	90	1
MKB10	20,00	12,50	90	1
MKB11	22,00	12,50	90	1
MKB12	25,00	12,50	90	1
MKB13	28,00	12,50	90	1
MKB14	30,00	12,50	90	1
MKB15	32,00	12,50	90	1
MKB16	35,00	12,50	90	1
MKB17	40,00	12,50	90	1
MKB18	45,00	12,50	90	1
MKB19	50,00	12,50	90	1
MKB20	60,00	12,50	90	1
MKB21	65,00	12,50	90	1
MKB23	67,00	12,50	90	1
MKB24	70,00	12,50	90	1
MKB22	80,00	12,50	90	1

Usage Example

Diameter of milling cutter in mm	5 to 7	8 to 10	12 to 14	16 to 25	28 to 35	40 to 50	60 to 80
Speed R. P. M.	1000	800	500	400	260	170	120



Plastic Box Drills Set	
Jeu de Forets dans la Boîte Plastique	
Composition 5 pcs	
Ø	UN
5,00	1
6,00	1
8,00	1
10,00	1
12,00	1

CODE
MKB50



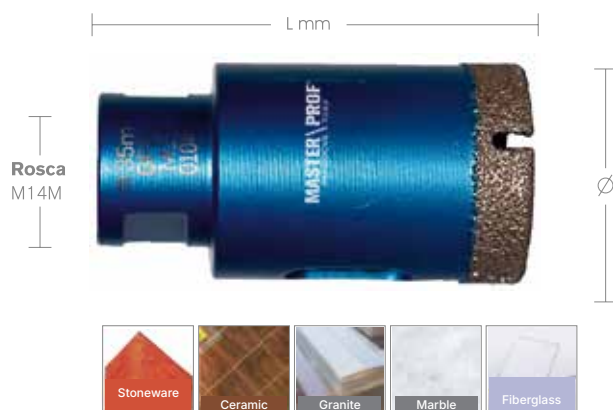
Showcase Display	
Composition 13 pcs	
1 pcs each 6, 8, 10, 12, 14, 16, 18, 20, 25, 30, 35, 40, 50	
SHOWCASE OFFER	

CODE
MKB60

BROCAS DIAMANTADAS PARA GRÊS PORCELÂNICO COM ROSCA M14

DIAMOND DRILLS FOR STONEWARE WITH M14 THREAD

FORETS DIAMANTÉES M14 POUR GRÊS



CODE	Ø	L mm	Thread	PCS
MDG01	6	65	M14M	1
MDG02	8	65	M14M	1
MDG03	10	65	M14M	1
MDG04	12	65	M14M	1
MDG05	14	65	M14M	1
MDG06	18	65	M14M	1
MDG07	20	65	M14M	1
MDG08	25	65	M14M	1
MDG09	27	65	M14M	1
MDG10	30	65	M14M	1
MDG11	32	65	M14M	1
MDG12	35	65	M14M	1
MDG13	40	65	M14M	1
MDG14	45	65	M14M	1
MDG15	50	65	M14M	1
MDG16	55	65	M14M	1
MDG17	60	65	M14M	1
MDG18	65	65	M14M	1
MDG19	68	65	M14M	1
MDG20	70	65	M14M	1
MDG21	75	65	M14M	1
MDG22	82	65	M14M	1
MDG23	85	65	M14M	1
MDG24	100	65	M14M	1
MDG25	110	65	M14M	1

Display	
Composition	
Ø	UN
6,00	5
8,00	5
10,00	3
12,00	3
20,00	2
35,00	2
40,00	2
Adapter B1	5
Adapter W1	5

CODE
MDG40



Adapter

Adaptateur

CODE	Type	Shank	Thread	PCS
MDG30	B1	Ø 12mm	M14M	1
MDG31	W1	SDS+	M14M	1

Characteristics:

- Start drilling with the drill inclined and continue with slight movements oscillations;;
- Cool down during drilling;
- The height of the crown does not change during service life.

Caractéristiques :

- Commencer le forage avec le trépan incliné et continuer avec de légers mouvements d'oscillation
- Refroidissement pendant le forage
- En fin de vie, la hauteur de la couronne ne change pas.

VENTOSAS E ACESSÓRIOS

SUCTION CUPS AND ACCESSORIES
VENTOUSES ET ACCESSOIRES



Drilling Suction Cup
Ventouse de Perçage

7 Holes Ø

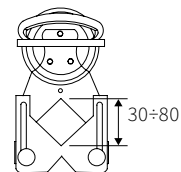
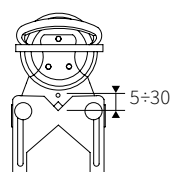
4 - 5 - 6 - 7
8 - 10 - 12 mm

CODE

MVG200



Adjustable Suction Cup
Ventouse Guide Réglable



CODE

MVG201



Cooling Bottle 1L

Bouteille Réfrigérante 1L

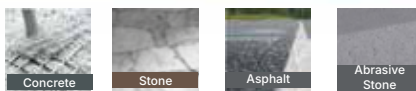
CODE

MVG202

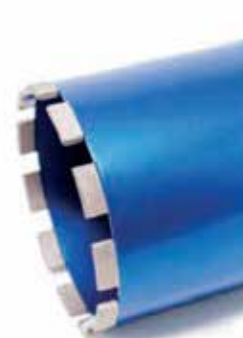
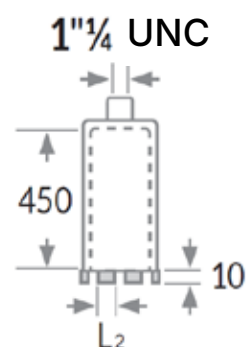


COROA SEGMENTADA PROFISSIONAL PARA BETÃO CORTE A HÚMIDO

DIAMOND CORE DRILLS WET CUTTING FOR DRILLING MACHINES
FORETS DIAMANTES COUPE A EAU POUR CAROTEUSES



CODE	Ø	Thickness	Teeth	L2
MDC001	32	3,2	3	17
MDC002	37	3,2	4	17
MDC003	42	3,2	5	17
MDC004	47	3,2	5	17
MDC005	52	3,2	6	17
MDC006	57	3,2	5	24
MDC007	62	3,2	5	24
MDC008	67	3,2	5	24
MDC009	72	3,2	6	24
MDC010	82	3,2	7	24
MDC011	92	3,2	8	24
MDC012	102	3,4	9	24
MDC013	107	3,4	9	24
MDC014	112	3,4	9	24
MDC015	122	3,4	9	24
MDC016	127	3,4	10	24
MDC017	132	3,6	10	24
MDC018	142	3,6	11	24
MDC019	152	3,6	12	24
MDC020	162	3,6	12	24
MDC021	182	3,6	13	24
MDC022	201	4	14	24
MDC023	231	4	15	24
MDC024	251	4	16	24
MDC025	300	4,4	18	24
MDC026	350	4,4	19	24
MDC027	400	4,4	21	24
MDC028	500	4,4	23	24



*Placement and Repair of Segments upon request

Adapter HILTI Type

Adaptateurs Type HILTI



CODE	Type	Thread	Characteristics	PCS
MDCA01	HILTI DD-BU	1 1/4 W.	Male Key 41 Internal 1/2" Gas Female Ø18 Hole	1
MDCA02	HILTI DD-BL	1 1/4 W.	Adapter with Female Key Male Key 41 Internal 1/2" Gas Female Ø18 Hole	1
MDCA03	HILTI DD-BL	1 1/4 W.	Conical Adapter 3+3 Male Key 41 3+3 Milled Internal 1/2 Gas Female	1

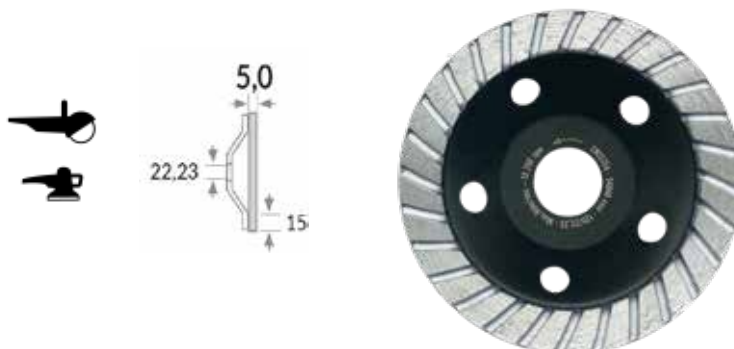
COROAS DE DESBASTE E ACABAMENTO E MÓS TIPO TAÇA CÓNICA PARA PEDRA

REMOVING CROWNS AND CONICAL BOWL WHEELS FOR STONE
MEULES POUR APLANIR ET POLIR POUR LA PIERRE

For Roughing

Pour le meulage

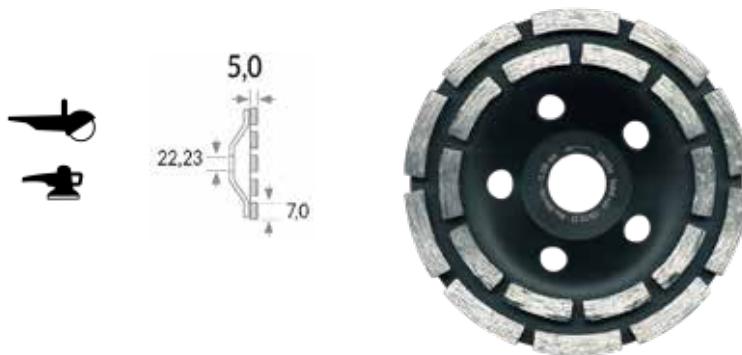
CODE	Measure	PCS
MDD190	105	1



For finishing

Pour le finissage

CODE	Measure	Segments	PCS
MDD191	100	7 + 7	1

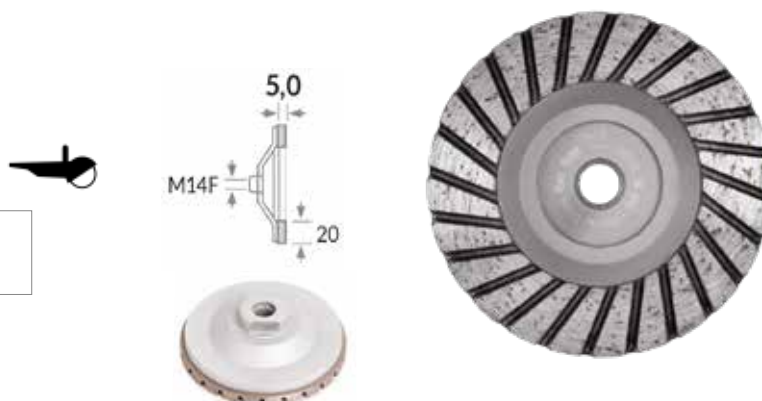


For Roughing

Pour le meulage

CODE	Measure	Thread	PCS
MDD182	100	M14	1

			Dry Work	- Aluminium body - Anti-vibration
Concrete	Marble	Granite		



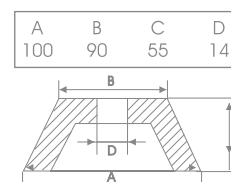
Conical Grinding Bowl wheel for Stone (100×90×55) Universal

Meuleuses à cuvette conique pour pierre (100×90×55) universel

CODE	Measure	Metric Thread	PCS
MD57	60	M 14 × 2	1
MD58	80	M 14 × 2	1

Until end of stock / Jusqu'à fin du stock

NB: Other measures by request / Autres mesures sur demande






DISCOS DE DIAMANTE

DIAMOND DISCS
DISQUES DIAMANT

Economic

Économique

CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD100	115	2,1 × 10	22,2	1
MDD101	125	2,1 × 10	22,2	1
MDD103	230	2,6 × 10	22,2	1
MDD104	300	3 × 10	25,4	1
MDD105	350	3 × 10	25,4	1

GENERAL USE				Dry Cut	- Safety guarantee. - Maximum performance - Excellent quality/price.
----------------	---	---	---	------------	--



Flat Core

Continue Normale (Flat Core)

CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD146	115	2,1 × 7	22,2	1
MDD147	125	2,1 × 7	22,2	1
MDD149	230	2,6 × 8	22,2	1
MDD150	300	3 × 8	25,4	1
MDD151	350	3 × 8	25,4	1



GENERAL USE				Dry Cut	- Improved diamond design for superior performance.
----------------	---	---	---	------------	--



Waved Core

Turbo ondulé (Waved Core)

CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD162	115	2,1 × 7	22,2	1
MDD165	230	2,6 × 8	22,2	1

GENERAL USE				Dry Cut	- Perfect combination of diamond and disc ripple
----------------	---	---	---	------------	---



Flat Band

Lisa Band

CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD185	115	1,6 × 7	22,2	1
MDD186	125	1,6 × 7	22,2	1
MDD188	230	1,6 × 7	22,2	1
MDD189	300	2 × 8	25,4	1

				Wet Cut	- Special professional disc for cutting tiles and ceramics.
--	---	---	---	------------	--



DISCOS DE DIAMANTE

DIAMOND DISCS
DISQUES DIAMANT

Electrodeposits

Electrodéposé



CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD192	115	2,1 × 7	22,2	1
MDD193	125	2,1 × 7	22,2	1
MDD194	180	2,4 × 7	22,2	1
MDD195	230	2,6 × 7	22,2	1

			Dry Cut	- Quality approved and guaranteed. - Perfect cut, no burrs.
---	---	---	------------	--



Ultra Super Turbo (World Top)

CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD340	115	2,6 × 8	22,2	1
MDD341	125	2,6 × 8	22,2	1
MDD342	180	3,1 × 8	22,2	1
MDD344	230	3,1 × 8	22,2	1
MDD345	300	3,1 × 8	25,4	1
MDD346	350	3,1 × 8	25,4	1






		Dry Cut	- High performance and anti-vibration continuous cutting (no need to stop for cooling)
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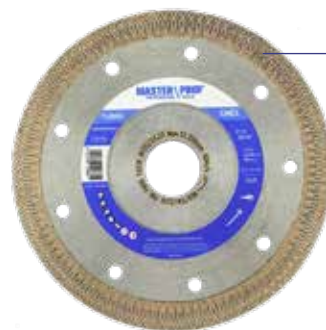


Stoneware Turbo

Turbo Grès

CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD350	115	1 × 10	22,2	1
MDD351	125	1 × 10	22,2	1
MDD352	230	1,5 × 10	22,2	1






					Dry Cut	- High performance - Anti-vibration - Perfect and silent cut
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Flat Band Turbo World Top (Special for stoneware)

Lisa Turbo World Top Band (Spécial pour Grès)


CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD330	115	1,2 × 7	22,2	1
MDD331	125	1,2 × 7	22,2	1
MDD333	180	1,4 × 7	22,2	1
MDD334	200	1,6 × 8	22,2	1
MDD335	230	1,6 × 8	22,2	1

					Wet Cut	- High performance - Anti-vibration - Perfect and silent cut
--	---	---	---	---	------------	---



Laser Asphalt (Premium)

CODE	Measure	Segment Thk. / Alt.	Hole	PCS
MDD196	300	2,8 × 10	25,4	1
MDD197	350	2,8 × 10	25,4	1
MDD198	400	3 × 10	25,4	1
MDD199	450	3 × 10	25,4	1
MDD200	500	3,6 × 10	25,4	1
MDD201	600	3,6 × 10	25,4	1

	Wet Cut	- Special asphalt and fresh concrete - Laser-welded segments ensure maximum safety.
--	------------	--



FRESAS PARA MARTELO COM DENTES EM METAL DURO COM FURO ROSCADO

HAMMER CUTTERS WITH TEETH IN CARBED METAL WITH THREADED HOLE

FRAISES À MARTEAU AVEC DENTS EN CARBURE AVEC ALÉSAGE FILETÉ

CARBIDE

CODE	Ø	Thread	Teeth Nr.	Lmm	PCS
MFMD25	25	M-16	4	75	1
MFMD30	30	M-16	4	75	1
MFMD35	35	M-16	4	75	1
MFMD40	40	M-16	5	75	1
MFMD45	45	M-16	5	75	1
MFMD50	50	M-22	6	75	1
MFMD65	65	M-22	6	75	1
MFMD80	80	M-22	6	75	1
MFMD90	90	M-22	6	75	1
MFMD91	100	M-22	8	75	1
MFMD95	112	M-22	8	75	1
MFMD93	125	M-22	10	80	1
MFMD94	150	M-22	12	80	1



Hexagonal Handle

Câble Hexagonale

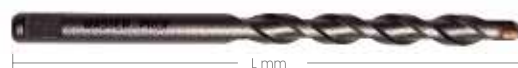
CODE	Thread	Lmm	PCS
MFAMD100	M-16	100 mm	1
MFAMD221	M-16	220 mm	1
MFAMD122	M-22	100 mm	1
MFAMD222	M-22	220 mm	1



Handle SDS-Plus

Câble SDS-Plus

CODE	Thread	Lmm	PCS
MFSDS100	M-16	100 mm	1
MFSDS220	M-16	220 mm	1
MFSDS122	M-22	100 mm	1
MFSDS222	M-22	220 mm	1



Drill

Foret

CODE	Lmm	PCS
MFAB120	8 x 120	1



Display

Display

Composition 24 pcs

UN	Description
8	Hammer Cutters (30,35,40,50,65,80,90,100)
1	Hexagonal Handle M16 - 100mm
1	Hexagonal Handle M22 - 100mm
1	Hexagonal Handle M16 - 220mm
1	Hexagonal Handle M22 - 220mm
1	SDS Handle M16 - 100mm
1	SDS Handle M22 - 100mm
1	SDS Handle M16 - 220mm
1	SDS Handle M22 - 220mm
8	Drills 8x120mm

DISPLAY OFFER

CODE

MFEMD24

FRESAS P/ MARTELO C/ DENTES EM METAL DURO C/ ROSCA E MOLA DE ACOPLAMENTO

HAMMER CUTTERS WITH TEETH IN CARBED METAL WITH THREAD AND COUPLING SPRING

FRAISES À MARTEAU AVEC DENTS EN CARBURE AVEC FILETAGE ET RESSORT D'ACCOUPLLEMENT

CARBIDE

CODE	Ø	Teeth Nr.	Lmm	PCS
MFMDR01	40	5	100	1
MFMDR02	50	6	100	1
MFMDR03	60	6	100	1
MFMDR04	66	7	100	1
MFMDR05	70	8	100	1
MFMDR06	80	8	100	1
MFMDR07	90	8	100	1
MFMDR08	100	10	100	1
MFMDR09	110	12	100	1
MFMDR10	125	12	100	1
MFMDR11	150	14	100	1



High Performance and always removable due to the coupling spring



SDS MAX Handle with Spring

Câble SDS MAX avec ressort

CODE	Lmm	PCS
MFMAXR250	250 mm	1
MFMAXR450	450 mm	1
MFMAXR600	600 mm	1

Coupling Spring

Ressort d'accouplement



CODE	PCS
MFMDR99	1



Wedge

Chasse Cône Standard

CODE	Ø	PCS
MFC01	9,5 x 100	1



Drill for center

Foret de centrage

CODE	Ø	PCS
MFMAXC12	12 x 135	1



Display

Display

Composition 29 pcs

UN	Description
7	Hammer Cutters (40,50,60,66,80,90,100)
3	SDS MAX Handle 250mm
3	SDS MAX Handle 450mm
6	Drills 12 x 135
10	Springs

CODE

MFJMDR03

DISPLAY OFFER

SERRAS CRANEANAS BIMETÁLICAS HSS PARA AÇO E METAIS NÃO FERROSOS

HSS BIMETAL HOLE SAWS FOR STEEL AND NON-FERROUS METALS

SCIES À GRUE BIMÉTALLIQUES HSS POUR L'ACIER ET LES MÉTAUX NON FERREUX

CODE	Ø mm	Ø"	PCS
MV2000	14	9/16	1
MV2001	16	5/8	1
MV2002	17	11/16	1
MV2003	19	3/4	1
MV2004	20	25/32	1
MV2005	21	13/16	1
MV2006	22	7/8	1
MV2007	23	14/16	1
MV2008	24	15/16	1
MV2009	25	1"	1
MV2010	27	1" 1/16	1
MV2011	28	3/32	1
MV2012	29	1" 1/18	1
MV2013	30	1" 3/16	1
MV2014	32	1" 1/4	1
MV2015	33	1" 5/16	1
MV2016	35	1" 3/8	1
MV2017	37	1" 7/16	1
MV2018	38	1" 1/2	1
MV2019	40	1" 9/16	1
MV2020	41	1" 5/8	1
MV2021	43	1" 11/16	1
MV2022	44	1" 3/4	1
MV2023	46	1" 13/16	1
MV2024	48	1" 7/8	1
MV2025	50	31/32	1
MV2026	51	2"	1
MV2027	52	2" 1/16	1
MV2028	54	2" 1/8	1
MV2029	57	2" 1/4	1
MV2030	59	2" 5/16	1
MV2031	60	2" 3/8	1
MV2032	63		1
MV2033	64	2" 1/2	1
MV2034	65	2" 3/16	1
MV2035	67	2" 5/8	1
MV2036	68	2" 11/16	1
MV2037	70	2" 3/4	1
MV2038	73	2" 7/8	1
MV2039	76	3"	1
MV2040	79	3" 1/8	1
MV2041	83	3" 1/4	1
MV2042	86	3" 3/8	1
MV2043	89	3" 1/2	1
MV2044	92	3" 5/8	1
MV2045	95	3" 3/4	1
MV2046	98	3" 7/8	1
MV2047	102	4"	1
MV2048	105	4" 1/8	1
MV2049	108	4" 1/4	1
MV2050	111	4" 3/8	1
MV2051	114	4" 1/2	1
MV2052	121	4" 3/4	1
MV2053	127	5"	1
MV2054	140	5" 1/2	1
MV2055	152	6"	1
MV2056	160	6" 5/16	1
MV2057	210	8" 9/32	1

HSS



To work stainless steel reduce 50% rotation



Acrylic Display for Hole Saws Set
Display de Scies Trépan en Acrylique

Composition 32 pcs

1 pc each:

Ø 16, 19, 22, 25, 29, 32, 38, 41, 43, 44, 48, 51, 54, 57, 60, 65, 67, 70, 76, 89, 92, 95, 102, 105, 114

2 Guide Drills 6,35: 1x length 75mm; 1x length 104mm

5 Adapters: 1xGBM 32 to 250; 2xGBP 14 to 30; 2xGBS 32 to 250

DISPLAY OFFER

CODE

MV2500

JOGOS DE SERRAS CRANEANAS BIMETÁLICAS HSS

HSS BIMETAL HOLE SAWS SETS

JEUX DE SCIES À GRUE BIMÉTALLIQUES HSS

HSS



Plumbers Set Jeu pour canalisateurs

Composition 8 pcs
Reference CV6C

1 pc each:
Ø 19, 22, 29,
38, 44, 57
1 Adapter GBP
1 Adapter GBS

CODE
MV2501



Installers Set Jeu pour instalatteurs

Composition 11 pcs
Reference CV9-I

1 pc each:
Ø 19, 22, 29, 35,
38, 44, 51, 57, 64
1 Adapter GBP
1 Adapter GBS

CODE
MV2502



Electricians Set Jeu pour Électriciens

Composition 8 pcs
Reference CV6E

1 pc each:
Ø 22, 29, 35,
44, 51, 64
1 Adapter GBP
1 Adapter GBS

CODE
MV2503



Industrial Set Jeu Industrielle

Composition 13 pcs
Reference CV11-I

1 pc each:
Ø 19, 22, 25, 32, 35, 38,
44, 51, 57, 64, 76
1 Adapter GBP
1 Adapter GBS

CODE
MV2504

Guide Drills

Forets de guidage



CODE	Ø Measure	PCS
MVG075	6,35mm - Length 75 mm	1
MVG110	6,35mm - Length 104mm	1

Adapters

Adaptateurs



Adapter with quickchange

CODE	Tipo	Ø
MVA014	GBP	14 to 30
MVA032	GBM	32 to 250
MVA250	GBS	32 to 250

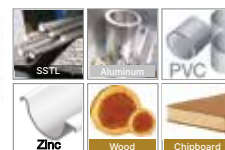
SERRAS CRANEANAS BIMETÁLICAS HSS-CO 8% PARA INOX

HSS-CO 8% BIMETAL HOLE SAWS FOR STAINLESS STEEL

SCIES À GRUE BIMÉTALLIQUES HSS-CO 8% POUR L'ACIER INOXYDABLE

CODE	Ø mm	Ø"	PCS
MV3000	14	9/16	1
MV3001	16	5/8	1
MV3002	17	11/16	1
MV3003	19	3/4	1
MV3004	20	25/32	1
MV3005	21	13/16	1
MV3006	22	7/8	1
MV3007	24	15/16	1
MV3008	25	1"	1
MV3009	27	1" 1/16	1
MV3010	29	1" 1/8	1
MV3011	30	1" 3/16	1
MV3012	32	1" 1/4	1
MV3013	33	1" 5/16	1
MV3014	35	1" 3/8	1
MV3015	37	1" 7/16	1
MV3016	38	1" 1/2	1
MV3017	40	1" 9/16	1
MV3018	41	1" 5/8	1
MV3019	43	1" 11/16	1
MV3020	44	1" 3/4	1
MV3021	45		1
MV3022	46	1" 13/16	1
MV3023	48	1" 7/8	1
MV3024	50		1
MV3025	51	2"	1
MV3026	52	2" 1/16	1
MV3027	54	2" 1/8	1
MV3028	57	2" 1/4	1
MV3029	59	2" 5/16	1
MV3030	60	2" 3/8	1
MV3031	64	2" 1/2	1
MV3032	65	2" 3/16	1
MV3033	67	2" 5/8	1
MV3034	68	2" 11/16	1
MV3035	70	2" 3/4	1
MV3036	73	2" 7/8	1
MV3037	75		1
MV3038	76	3"	1
MV3039	79	3" 1/8	1
MV3040	83	3" 1/4	1
MV3041	86	3" 3/8	1
MV3042	89	3" 1/2	1
MV3043	92	3" 5/8	1
MV3044	95	3" 3/4	1
MV3045	98	3" 7/8	1
MV3046	100		1
MV3047	102	4"	1
MV3048	105	4" 1/8	1
MV3049	108	4" 1/4	1
MV3050	111	4" 3/8	1
MV3051	114	4" 1/2	1
MV3052	121	4" 3/4	1
MV3053	127	5"	1
MV3054	140	5" 1/2	1
MV3055	152	6"	1

HSS-CO



Display Line

Ligne pour Display

Composition 40 pcs (2 lines)

2 pcs each:

Ø 16, 19, 20, 38, 40, 44, 51, 54, 57, 60

3 pcs each:

Ø 22, 24, 25, 27, 29, 30, 32, 35

2 adapters 14 to 30 and 2 adapters 32 to 250

CODE

MLV3060



Display for Hole Saws Set

Display de Scies Trépan en Acrylique

Composition 32 pcs

1 pc each:

Ø 16, 19, 22, 25, 29, 32, 38, 41, 43, 44, 48, 51, 54, 57, 60, 65, 67, 70, 76, 89, 92, 95, 102, 105, 114

2 Guide Drills 6,35: 1x comp. 75mm; 1x comp.104mm

5 Adapters: 1xGBM 32 to 250; 2xGBP 14 to 30;

2xGBS 32 to 250

DISPLAY OFFER

CODE

MV3500

JOGOS DE SERRAS CRANEANAS BIMETÁLICAS HSS-CO 8% PARA INOX

HSS-CO 8% BIMETAL HOLE SAWS SETS FOR STAINLESS STEEL

JEUX DE SCIES À GRUE BIMÉTALLIQUES HSS-CO8 % POUR L'ACIER INOXYDABLE

HSS-CO



Plumbers Set
Jeu pour canalisateurs

Composition 9 pcs

1 pc each:
Ø 19, 22, 29,
38, 44, 57
1 Adapter GBP
1 Adapter GBS
1 Accessory

CODE
MV3501



Installers Set
Jeu pour instalateurs

Composition pcs

1 pc each:
Ø 19, 22, 29, 35,
38, 44, 51, 57, 64
1 Adapter GBP
1 Adapter GBS
1 Accessory

CODE
MV3502



Electricians Set
Jeu pour Électriciens

Composition 9 pcs

1 pc each:
Ø 22, 29, 35,
44, 51, 64
1 Adapter GBP
1 Adapter GBS
1 Accessory

CODE
MV3503



Industrial Set
Jeu Industrielle

Composition pcs

1 pc each:
Ø 19, 22, 25, 30, 35, 40,
51, 60, 64, 76, 83
1 Adapter GBP
1 Adapter GBS

CODE
MV3504

Guide Drills

Forets de guidage



Adapters

Adaptateurs



Adapter with quickchange

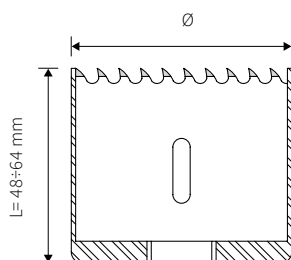
CODE	Ø Measure	PCS
MVG075	6,35mm - Length 75 mm	1
MVG110	6,35mm - Length 104mm	1

CODE	Tipo	Ø
MVA014	GBP	14 to 30
MVA032	GBM	32 to 250
MVA250	GBS	32 to 250

SERRA CRANEANA TCT COM DENTES EM METAL DURO MULTIMATERIAL

TCT BIMETAL HOLE SAWS WITH TEETH IN CARBED METAL
SCIE À GRUE MULTI-MATERIAUX EN CARBURE DE TCT

CARBIDE



Steel



Wood



Ceramic



CODE	Ø mm	Ø Inches	d thread
MVT01	19	3/4	UNF 1/2 × 20
MVT02	22	7/8	
MVT03	25	1"	
MVT04	29	1-1/8	
MVT05	32	1-1/4	UNF 5/8 × 18
MVT06	35	1-3/8	
MVT07	38	1-1/2	
MVT09	44	1-3/4	
MVT10	51	2"	
MVT11	57	2-1/4	
MVT12	64	2-1/2	
MVT13	68	2-23/32	
MVT14	76	3"	
MVT15	89	3-1/2	
MVT16	108	4-1/4	



TCT Multi Case Set

Jeu de Scies à Grue TCT Multi

Composition 8 pcs

1 x Ø 19 mm
1 x Ø 22 mm
1 x Ø 29 mm
1 x Ø 38 mm
1 x Ø 44 mm
1 x Ø 57 mm
2 x Ø 7 × 100 mm

CODE

MVT20

ADAPTADOR PARA SERRAS CRANEANAS ULTRA RÁPIDO MLOCK

QUICK CHANGE ARBOR FOR BIMETAL HOLE SAWS
ADAPTATEUR DE SCIE À GRUE ULTRA RAPIDE MLOCK



ULTRA-FAST LOCKING SYSTEM
SYSTÈME DE SERRAGE ULTRA-RAPIDE



Universal Adapter/ Adaptateur Universel
1/2" X 20 UNF
5/8" X 18 UNF

For all Hole Saws Brands 14 to 305 mm
Pour toutes les marques de scies de 14 à 305 mm

Anti-slip design for max grip
Design antidérapante pour une adhérence maximale

ADAPTADOR PARA SERRAS CRANEANAS ULTRA RÁPIDO MLOCK

QUICK CHANGE ARBOR FOR BIMETAL HOLE SAWS
ADAPTATEUR DE SCIE À GRUE ULTRA RAPIDE MLOCK

MLOCK Adapter Kit for Hole Saws

KIT de l'adaptateur pour Scies MLOCK



Adapter Kit
KIT de l'adaptateur
Composition 5 pcs
1 x Adapter M-LOCK 1 x Drill L 95 mm 1 x Drill L 100 mm 1 x Adapter 1/2" X 20 UNF 1 x Adapter 5/8" X 18 UNF

CODE
MVA300



Adapter Accessories MLOCK

Accessoires de l'adaptateur MLOCK



Acessories
Accessoires
Composition 6 pcs
2 x Adapter 1/2" x 20 UNF 3 x Adapter 5/8" x 18 UNF 1 x Drill 95 mm

CODE
MVA301



WOOD/BOIS

A detailed close-up photograph of wood, showing various grain patterns and knots. The wood is light brown with darker, wavy lines representing the grain. Several knots are visible, showing the natural growth patterns of the wood. The lighting highlights the texture and depth of the wood's surface.

MADEIRA

BROCA PARA MADEIRA 4 CORTES CABO HEXAGONAL C.V.

WOOD DRILL 4 CUTS HEXAGONAL HANDLE
FORET À BOIS 4 COUPES POIGNÉE HEXAGONALE

CROMO VANADIUM



CODE	Ø	Inhces	l	L	PCS
MBE300	10	1/4	65	165	1
MBE301	12	1/4	65	165	1
MBE302	14	1/4	65	165	1
MBE303	16	1/4	65	165	1
MBE304	18	1/4	65	165	1
MBE305	20	1/4	65	165	1
MBE306	22	1/4	65	165	1
MBE307	24	1/4	65	165	1
MBE308	25	1/4	65	165	1
MBE309	26	1/4	65	165	1
MBE310	28	1/4	65	165	1
MBE311	30	1/4	65	165	1
MBE312	32	1/4	65	165	1

Wood Drills Set Jeu Forets à Bois
Composition 6 pcs
1 x Ø 16 mm
1 x Ø 18 mm
1 x Ø 20 mm
1 x Ø 22 mm
1 x Ø 25 mm
1 x Ø 32 mm
CODE
MBE315



BROCAS FORMA LEWIS PARA MADEIRA C.V.

LEWIS TYPE DRILLS FOR WOOD
FORETS SPIRALE VIS EN POINTE

CROMO VANADIUM



Handle "SDS Plus"

Queue "SDS Plus»

CODE	Ø	L1	L2	PCS
BLSDS04	8,00	235	160	1
BLSDS05	10,00	235	160	1
BLSDS07	12,00	235	160	1
BLSDS09	14,00	235	160	1
BLSDS11	16,00	235	160	1
BLSDS12	18,00	235	160	1
BLSDS14	20,00	235	160	1
BLSDS15	22,00	235	160	1
BLSDS16	24,00	235	160	1



Handle Hexagonal

Queue Hexagonal

CODE	Ø	L1	L2	PCS
BLM01	6,00	235	160	1
BLM04	8,00	235	160	1
BLM05	10,00	235	160	1
BLM07	12,00	235	160	1
BLM09	14,00	235	160	1
BLM11	16,00	235	160	1
BLM12	18,00	235	160	1
BLM14	20,00	235	160	1
BLM15	22,00	235	160	1
BLM16	24,00	235	160	1

BROCAS PUAS PLANAS PARA MADEIRA E DERIVADOS (CABO HEXAGONAL) C.V.

FLAT DRILLS FOR WOOD (HEXAGONAL SHANK)

MÊCHE PLATE (CÂBLE HEXAGONAL)

CROMO VANADIUM



CODE	Ø	l mm	L mm	PCS
BPM01	6,00	6,35	150	1
BPM02	8,00	6,35	150	1
BPM03	9,00	6,35	150	1
BPM04	10,00	6,35	150	1
BPM05	11,00	6,35	150	1
BPM06	12,00	6,35	150	1
BPM07	13,00	6,35	150	1
BPM08	14,00	6,35	150	1
BPM09	15,00	6,35	150	1
BPM10	16,00	6,35	150	1
BPM26	17,00	6,35	150	1
BPM11	18,00	6,35	150	1
BPM12	19,00	6,35	150	1
BPM13	20,00	6,35	150	1
BPM27	21,00	6,35	150	1
BPM14	22,00	6,35	150	1
BPM28	23,00	6,35	150	1
BPM15	24,00	6,35	150	1
BPM16	25,00	6,35	150	1
BPM17	26,00	6,35	160	1
BPM29	27,00	6,35	160	1
BPM18	28,00	6,35	160	1
BPM30	29,00	6,35	160	1
BPM19	30,00	6,35	160	1
BPM20	32,00	6,35	160	1
BPM21	34,00	6,35	160	1
BPM22	35,00	6,35	160	1
BPM23	36,00	6,35	160	1
BPM24	38,00	6,35	160	1
BPM25	40,00	6,35	160	1



Wood Flat Drills Set

Jeu de Forets Plats

Composition
6 pcs

Ø	UN
10,00	1
12,00	1
16,00	1
18,00	1
20,00	1
25,00	1

CODE

BPMJ01

BROCAS COM PONTA GUIA PARA MADEIRA DIN7487 C.V.

CENTER POINT DRILLS FOR WOOD DIN7487
FORETS BOIS AUTO-CENTREUR

CROMO VANADIUM



CODE	Ø	D1	L1 mm	L2 mm	PCS
BPG30	3,00	3	60	33	1
BPG31	4,00	4	75	43	1
BPG32	5,00	5	85	52	1
BPG33	6,00	6	93	57	1
BPG34	7,00	7	109	69	1
BPG35	8,00	8	117	75	1
BPG36	9,00	9	125	81	1
BPG37	10,00	10	133	87	1
BPG38	11,00	10	142	94	1
BPG39	12,00	10	151	101	1
BPG40	13,00	10	151	101	1
BPG41	14,00	10	160	108	1
BPG42	15,00	10	169	114	1
BPG43	16,00	10	178	120	1
BPG44	18,00	10	191	130	1
BPG45	20,00	10	205	140	1
BPG46	22,00	13	210	140	1
BPG47	24,00	13	215	140	1
BPG48	26,00	13	215	140	1
BPG49	28,00	13	220	140	1
BPG50	30,00	13	220	140	1

BROCAS TIPO FORSTNER COM PONTA EM METAL DURO

FORSTNER TYPE DRILLS FOR WOOD (CARBIDE TIP)
MÈCHE À FAÇONNER (DENT CARBURE)

CARBIDE



CODE	Ø	D1	L mm	PCS
BFM02	15,00	8	90	1
BFM08	16,00	8	90	1
BFM09	19,00	8	90	1
BFM03	20,00	8	90	1
BFM10	22,00	8	90	1
BFM11	23,00	8	90	1
BFM04	25,00	8	90	1
BFM05	26,00	8	90	1
BFM06	30,00	8	90	1
BFM07	35,00	10	90	1

SERRAS DE PASTILHA COM DENTES EM METAL DURO

CARBIDE TIPPED CIRCULAR SAW BLADES

SCIES À PLAQUETTES AVEC DENTS EN CARBURE

Wood - Alternate Tooth

Bois - Dent alternée

CODE	Ø	Thk.	Hole	Teeth Nr	PCS
MSP070	250	3,20	30	40DA	1
MSP071	250	3,20	30	60DA	1
MSP072	250	3,20	30	80DA	1
MSP073	300	3,20	30	48DA	1
MSP074	300	3,20	30	72DA	1
MSP075	300	3,20	30	96DA	1
MSP076	350	3,50	30	54DA	1
MSP077	350	3,50	30	72DA	1
MSP078	400	3,50	30	60DA	1
MSP079	400	3,50	30	96DA	1
MSP080	450	4,00	30	66DA	1
MSP081	450	4,00	30	138DA	1
MSP082	500	4,00	30	72DA	1
MSP083	500	4,00	30	144DA	1

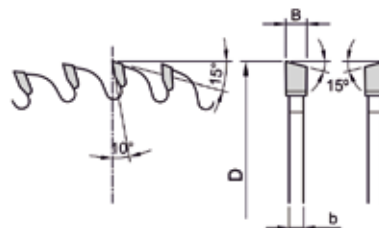
Application

Circular saws for longitudinal and transversal cutting of solid wood (soft and hard) and uncoated wooden derivatives.s.

Scies circulaires pour la coupe longitudinale et transversale du bois massif (tendre et dur) et des dérivés du bois sans revêtement



CARBIDE



Laminated - Trapezoidal Tooth

Stratifiés - Dent trapézoïdale

CODE	Ø	Thk.	Hole	Teeth Nr	PCS
MSP090	250	3,20	30	60DP	1
MSP091	250	3,20	30	80DP	1
MSP092	300	3,20	30	72DP	1
MSP093	300	3,20	30	96DP	1
MSP094	350	3,50	30	84DP	1
MSP095	350	3,50	30	108DP	1

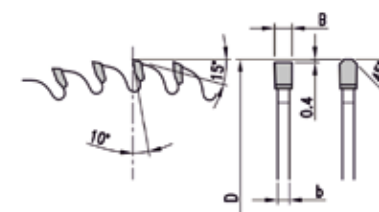
Application

Circular saws for cutting coated wood derivatives such as MDF, chipboard, among others.

Scies circulaires pour la coupe longitudinale et transversale du bois massif (tendre et dur) et des dérivés du bois sans revêtement.



CARBIDE



SERRAS CIRCULARES COM DENTES EM METAL DURO

CARBIDE TIPPED CIRCULAR SAW BLADES

SCIES CIRCULAIRES À DENTS EN CARBURE

Dry Cut (Sandwich Panels)

Coupe à sec (panneaux sandwich)

CODE	Ø	Thk.	Hole	Teeth Nr	Vel. R.P.M.	PCS
MSP100	180	2,20	20	32	2500	1
MSP101	180	2,20	30	32	2500	1
MSP102	190	2,20	30	38	2200	1
MSP103	230	2,20	30	44	2200	1
MSP104	250	2,20	30	48	2200	1
MSP105	250	2,20	30	60	1600	1
MSP106	270	2,20	30	60	1600	1
MSP107	305	2,20	25,4	60	1600	1
MSP108	305	2,20	30	60	1600	1
MSP109	305	2,20	25,4	80	1600	1
MSP110	305	2,20	30	80	1200	1
MSP111	355	2,20	25,4	90	1200	1
MSP112	355	2,20	30	90	1200	1

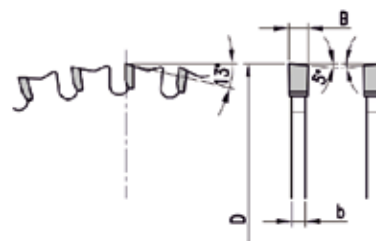
Application

Circular saws for cutting sandwich panels, iron, steel, PVC, composite materials, etc... The saw with D=305 e Z=80 is recommended for cutting stainless steel and dry cutting.

Scies circulaires pour la découpe de panneaux sandwich, de fer, d'acier, de PVC, de matériaux composites, etc. La scie avec D=305 et Z=80 est recommandée pour la coupe de l'acier inoxydable et la coupe à sec.



CARBIDE



Portable Machines

Machines portatives

CODE	Ø	Thk.	Hole	Teeth Nr	PCS
MSP120	160	2,60	20	24	1
MSP121	160	2,40	16	48	1
MSP122	160	2,20	20	48	1
MSP123	180	2,80	30	30	1
MSP124	190	2,40	30	24	1
MSP125	190	2,40	30	40	1
MSP127	210	2,60	30	24	1
MSP128	210	2,60	30	48	1
MSP129	230	3,00	30	24	1
MSP130	230	3,00	30	34	1
MSP131	235	3,00	30	34	1
MSP132	235	3,00	30	48	1

Application

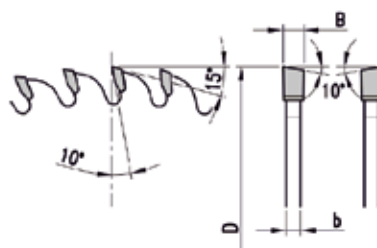
Circular saws for longitudinal and transverse cutting of solid wood and driftwood. Scies circulaires pour la coupe longitudinale et transversale de bois massif et dérivés.

Use for Machines/ Utilisation pour les machines

AEG - BLACK-DECKER - BOSH - HITACHI - KRESS - METABO - ELU - SKIL - FESTO
DEWALT - MAKITA - HAFNER - ELEKTRA - FEIN - RIOBY - PEUGEOT - HOLZ - MAFELL



CARBIDE



ACCESSORIES/ ACCESSOIRES



ACESSÓRIOS



BUCHAS COM CHAVE PARA BERBEQUINS PORTÁTEIS

DRILL CHUCKS WITH KEY FOR PORTABLE POWER DRILLS
MANDRINS PRÉCISION PERÇEUSES AVEC CLEF



Cone DIN238

Conê DIN238

CODE	Capacity	Cone	PCS
MACC013	1 - 10	B 12	1
MACC015	1 - 13	B 16	1
MACC012	3 - 16	B 16	1
MACC014	3 - 16	B 18	1
MACC016	5 - 20	B 22	1



Inner Thread

Filetage intérieur

CODE	Capacity	R/UNF	PCS
MACC017	1,5 - 10	1/2 × 20	1
MACC018	1,5 - 10	3/8 × 24	1
MACC019	1,5 - 13	1/2 × 20	1
MACC020	1,5 - 13	3/8 × 24	1

BUCHAS DE APERTO RÁPIDO TIPO STANDARD P/ BERBEQUINS PORTÁTEIS

PROFESSIONAL PRECISION KEYLESS DRILL CHUCKS
MANDRINS PRÉCISION PERÇEUSES PORTABLES



Cone DIN238

Conê DIN238

CODE	Capacity	Cone	PCS
MAAR001	0,5 - 6	B 10	1
MAAR002	1 - 10	B 12	1
MAAR003	1 - 13	B 16	1
MAAR004	3 - 16	B 16	1
MAAR005	3 - 16	B 18	1



Inner Thread

Filetage intérieur

CODE	Capacity	R/UNF	PCS
MAAR006	0,5 - 6	3/8 × 24	1
MAAR007	1 - 10	3/8 × 24	1
MAAR011	1 - 10	1/2 × 20	1
MAAR008	1 - 13	1/2 × 20	1
MAAR012	1 - 13	3/8 × 24	1
MAAR009	3 - 16	1/2 × 20	1
MAAR010	3 - 16	5/8 × 16	1

BUCHAS DE AP. RÁPIDO DE PRECISÃO P/ BERBEQUINS FIXOS E PORTÁTEIS

PROFESSIONAL PRECISION KEYLESS DRILL CHUCKS
MANDRINS PRÉCISION PERÇEUSES PORTABLES ET FIXES



Professionals - Inner Thread

Professionnels - Filetage intérieur

CODE	Capacity	R/UNF	PCS
MAAR015	1 - 13	1/2 × 20	1
MAAR016	1 - 13	3/8 × 24	1

Until end of stock/ Jusqu'à fin du stock



Professionals - Cone DIN238

Professionnels - Cône DIN238

CODE	Capacity	Cone	PCS
MAAR013	1 - 16	B 16	1
MAAR014	1 - 16	B 18	1

BUCHAS DE APERTO RÁPIDO CAIXA PLÁSTICA P/ BERBEQUINS PORTÁTEIS

PLASTIC KEYLESS DRILL CHUCKS FOR PORTABLE POWER DRILLS

MANDRINS PERÇEUSES PORTABLES EN PLASTIQUE

Keyless Drill Chucks

Douilles sans clé pour perceuses portatifs professionnel

CODE	Capacity	R/UNF	PCS
MACP011	0,8 - 10	1/2 × 20	1
MACP012	0,8 - 10	3/8 × 24	1
MACP013	2 - 13	1/2 × 20	1
MACP014	2 - 13	3/8 × 24	1

Plastic Case



Plastic Case



Keyless Drill Chucks with Security System

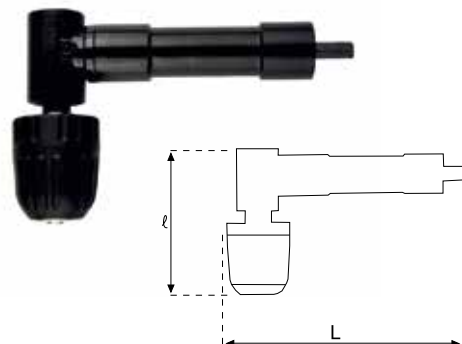
Douilles de fixation avec Système de Sécurité

CODE	Capacity	R/UNF	PCS
MACP017	2 - 13	1/2 × 20	1
MACP018	2 - 13	3/8 × 24	1

90° Drill Chuck Accessory

Accessoire pour Mandrin 90°

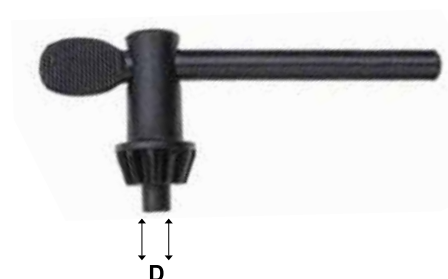
CODE	Ø	L mm	l mm
BM2070	1,5 - 10	155	100



Keys

Clés

CODE	Measure	D	PCS
MACH030	S1	4 mm	1
MACH031	S2-R	6 mm	1
MACH032	S2	6 mm	1
MACH033	S3	8 mm	1
MACH034	S4	9 mm	1



Adapters

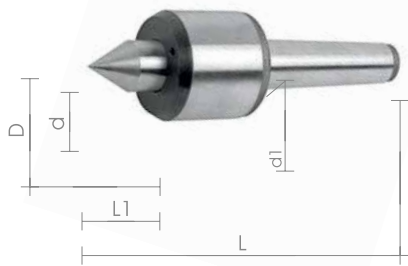
Adaptateurs

CODE	Capacity	PCS
MAAB010	SDS 1/2 × 20 UNF	1



PONTO ROTATIVO STANDARD

REVOLVING TAILSTOCK CENTRES
POINTE TOURNANTE DE PRÉCISION



CODE	Ø	d	d1	D	L1	L	R.P.M. Maximum Speed	PCS
MUPR001	2	25	17,780	45	28,6	129,6	3.000	1
MUPR002	3	28	23,825	52	32	160,2	2.800	1
MUPR003	4	32	31,267	60	36,5	191,7	2.800	1
MUPR004	5	45	44,399	80	50,8	244,5	2.500	1

- Body and rotation part hardened rectified.
- Applicable to high speed lathes.

BUCHAS PARA TORNO EM FERRO FUNDIDO DIN6350

LATHE CHUCKS IN CAST IRON
MANDRINS DE TOUR À 3 ET 4 MORS DIN6350

3 Jaws Chuck

3 Pines



CODE	Ø	PCS
MUBT01	100	1
MUBT02	125	1
MUBT03	160	1
MUBT04	200	1
MUBT05	250	1
MUBT06	315	1

- Cast iron body
- Jaws Chucks in hardened Steel

4 Jaws Chuck

4 Pines



CODE	Ø	PCS
MUBT16	125	1
MUBT17	160	1
MUBT18	200	1
MUBT19	250	1
MUBT20	315	1

- Cast iron body.
- Jaws Chucks in hardened Steel.

GRAMPOS EM AÇO TEMPERADO PARA BUCHAS DIN6350

ACCESSORIES FOR LATHE CHUCKS
MORS POUR MANDRINS DE TOUR

3 Jaws Chuck - Interior

3 Pines - Intérieur



CODE	Ø	PCS
MUGI301	100	1
MUGI302	125	1
MUGI303	160	1
MUGI304	200	1
MUGI305	250	1
MUGI306	315	1

- Jaws Chucks in hardened steel

3 Jaws Chuck - Exterior

3 Pines - Extérieur



CODE	Ø	PCS
MUGE310	100	1
MUGE311	125	1
MUGE312	160	1
MUGE313	200	1
MUGE314	250	1
MUGE315	315	1

- Jaws Chucks in hardened steel

4 Jaws Chuck - Interior

4 Pines - Intérieur



CODE	Ø	PCS
MUGI401	125	1
MUGI402	160	1
MUGI403	200	1
MUGI404	250	1
MUGI405	315	1

- Jaws Chucks in hardened steel

4 Jaws Chuck - Exterior

4 Pines - Extérieur



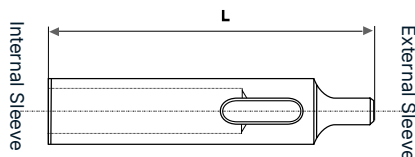
CODE	Ø	PCS
MUGE410	125	1
MUGE411	160	1
MUGE412	200	1
MUGE413	250	1
MUGE414	315	1

- Jaws Chucks in hardened steel

CONES DE REDUÇÃO E ENCABADOUROS RETIFICADOS

REDUCTION MORSE TAPER SLEEVES AND TAPER DRILL CHUCK ARBORS

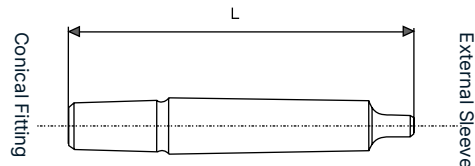
DOUILLES DE REDUCTION ET CÔNE DE MONTAGE POUR MANDRINS



Reduction Sleeves DIN2185

Douilles de Réduction DIN185

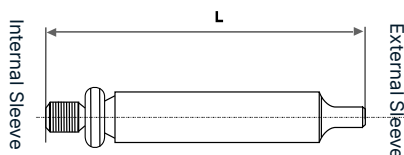
CODE	Cone Morse External / Internal	L	PCS
MER001	2 - 1	92	1
MER002	3 - 1	99	1
MER003	3 - 2	112	1
MER004	4 - 1	124	1
MER005	4 - 2	124	1
MER006	4 - 3	140	1
MER012	5 - 1	156	1
MER007	5 - 2	156	1
MER008	5 - 3	156	1
MER009	5 - 4	171	1
MER010	6 - 4	218	1
MER011	6 - 5	218	1



Taper Drill Chuck DIN228/238

Tiges pour Douilles DIN228/238

CODE	Cone Morse	Conical Fit	L	PCS
MEB20	CM1	B 10	86	1
MEB21	CM1	B 12	89	1
MEB22	CM1	B 16	99	1
MEB33	CM2	B 10	105	1
MEB23	CM2	B 12	105	1
MEB24	CM2	B 16	112	1
MEB25	CM2	B 18	119	1
MEB34	CM2	B 22	130	1
MEB26	CM3	B 12	127	1
MEB27	CM3	B 16	134	1
MEB28	CM3	B 18	140	1
MEB29	CM3	B 22	147	1
MEB30	CM4	B 16	157	1
MEB31	CM4	B 18	164	1
MEB32	CM4	B 22	176	1
MEB35	CM5	B 16	198	1
MEB36	CM5	B 18	198	1
MEB37	CM5	B 22	207	1
MEB38	CM5	B 24	217	1



Threaded Taper Drill Chuck DIN228

Tiges Fitetés DIN228

CODE	Cone Morse	R/UNF	L	PCS
MEB80	CM2	3/8 × 24	95	1
MEB81	CM2	1/2 × 20	110	1
MEB82	CM2	5/8 × 16	135	1
MEB83	CM3	3/8 × 24	115	1
MEB84	CM3	1/2 × 20	125	1
MEB85	CM3	5/8 × 16	150	1

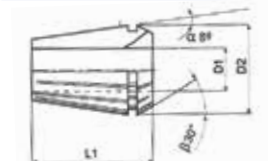
PINÇAS DE PRECISÃO ER16, ER25

COLLET CHUCKS ER16, ER25

PINCES DE PRÉCISION ER16, ER25



D2:17 L1:27,5 $\alpha:8^\circ$ $\beta:30^\circ$



ER16 - Collet Chuck - DIN6499-B

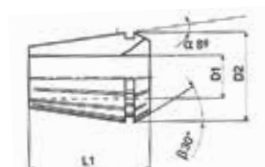
Pinces de Précision ER16 - DIN6499-B

CODE	Capacity	D1	PCS
MP8000 ER16	1,0	0,5	1
MP8001 ER16	1,5	1,0	1
MP8002 ER16	2,0	1,0	1
MP8003 ER16	2,5	2,0	1
MP8004 ER16	3,0	2,0	1
MP8005 ER16	3,5	3,0	1
MP8006 ER16	4,0	3,0	1
MP8007 ER16	4,5	3,0	1
MP8008 ER16	5,0	4,0	1
MP8009 ER16	6,0	5,0	1
MP8010 ER16	7,0	6,0	1
MP8011 ER16	8,0	7,0	1
MP8012 ER16	9,0	8,0	1
MP8013 ER16	10,0	9,0	1

Others measures by request



D2:26 L1:34 $\alpha:8^\circ$ $\beta:30^\circ$



ER25 - Collet Chuck - DIN6499-B

Pinces de Précision ER25 - DIN6499-B

CODE	Capacity	D1	PCS
MP8050 ER25	1,0	0,5	1
MP8051 ER25	2,0	1,5	1
MP8052 ER25	3,0	2,0	1
MP8053 ER25	4,0	3,0	1
MP8054 ER25	5,0	4,0	1
MP8055 ER25	6,0	5,0	1
MP8056 ER25	7,0	6,0	1
MP8057 ER25	8,0	7,0	1
MP8058 ER25	9,0	8,0	1
MP8059 ER25	10,0	9,0	1
MP8060 ER25	11,0	10,0	1
MP8061 ER25	12,0	11,0	1
MP8062 ER25	13,0	12,0	1
MP8063 ER25	14,0	13,0	1
MP8064 ER25	15,0	14,0	1
MP8065 ER25	16,0	15,0	1

Others measures by request

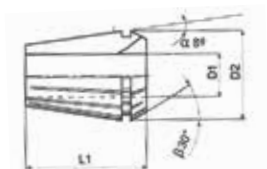
PINÇAS DE PRECISÃO ER32, ER40

COLLET CHUCKS ER32, ER40

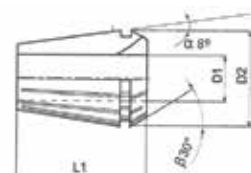
PINCES DE PRÉCISION ER32, ER40



D2:33 L1:40 $\alpha:8^\circ$ $\beta:30^\circ$



D2:41 L1:46 $\alpha:8^\circ$ $\beta:30^\circ$



ER32 - Collet Chuck - DIN6499-B

Pinces de Précision ER32 - DIN6499-B

CODE	Capacity	D1	PCS
MP8119 ER32	2,0	1,5	1
MP8120 ER32	3,0	2,5	1
MP8102 ER32	4,0	3,0	1
MP8103 ER32	5,0	4,0	1
MP8104 ER32	6,0	5,0	1
MP8105 ER32	7,0	6,0	1
MP8106 ER32	8,0	7,0	1
MP8107 ER32	9,0	8,0	1
MP8108 ER32	10,0	9,0	1
MP8109 ER32	11,0	10,0	1
MP8110 ER32	12,0	11,0	1
MP8111 ER32	13,0	12,0	1
MP8112 ER32	14,0	13,0	1
MP8113 ER32	15,0	14,0	1
MP8114 ER32	16,0	15,0	1
MP8115 ER32	17,0	16,0	1
MP8116 ER32	18,0	17,0	1
MP8117 ER32	19,0	18,0	1
MP8118 ER32	20,0	19,0	1

Others measures by request

ER40 - Collet Chuck - DIN6499-B

Pinces de Précision ER40 - DIN6499-B

CODE	Capacity	D1	PCS
MP8150 ER40	3,0	2,0	1
MP8151 ER40	4,0	3,0	1
MP8152 ER40	5,0	4,0	1
MP8153 ER40	6,0	5,0	1
MP8154 ER40	7,0	6,0	1
MP8155 ER40	8,0	7,0	1
MP8156 ER40	9,0	8,0	1
MP8157 ER40	10,0	9,0	1
MP8158 ER40	11,0	10,0	1
MP8159 ER40	12,0	11,0	1
MP8160 ER40	13,0	12,0	1
MP8161 ER40	14,0	13,0	1
MP8162 ER40	15,0	14,0	1
MP8163 ER40	16,0	15,0	1
MP8164 ER40	17,0	16,0	1
MP8165 ER40	18,0	17,0	1
MP8166 ER40	19,0	18,0	1
MP8167 ER40	20,0	19,0	1
MP8168 ER40	21,0	20,0	1
MP8169 ER40	22,0	21,0	1
MP8170 ER40	23,0	22,0	1
MP8171 ER40	24,0	23,0	1
MP8172 ER40	25,0	24,0	1
MP8173 ER40	26,0	25,0	1
MP8174 ER40	27,0	26,0	1
MP8175 ER40	28,0	27,0	1
MP8176 ER40	29,0	28,0	1
MP8177 ER40	30,0	29,0	1

Others measures by request

JOGOS DE PINÇAS DE PRECISÃO

COLLET CHUCKS SETS

JEUX PINCES DE PRÉCISION



Collet Chucks ER16 Set - 1 to 10

Jeu ER16 de 1 a 10

Composition 10 pcs

CODE

MP8200



Collet Chucks ER25 Set - 2 to 16

Jeu ER25 de 2 a 16

Composition 15 pcs

CODE

MP8201



Collet Chucks ER32 Set - 3 to 20

Jeu ER32 de 3 a 20

Composition 18 pcs

CODE

MP8202



Collet Chucks ER40 Set - 3 to 26

Jeu ER40 de 3 a 26

Composition 24 pcs

CODE

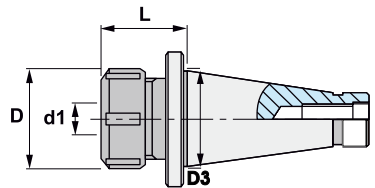
MP8204

CONES PARA PINÇAS DE PRECISÃO - ER16, ER25, ER32, ER40

COLLET CHUCKS ER16, ER25, ER32, ER40

PORTE-PINCES DE HAUTE PRÉCISION

SK40



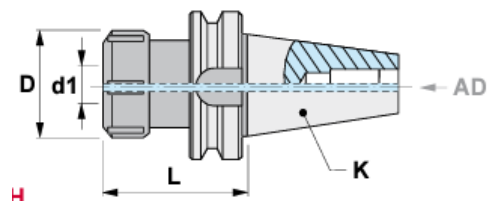
Collet Chuck Cone ISO40 - DIN69871

Cônes pour pinces de précision ISO40 - DIN69871

CODE	Collet Chuck	L	d1	D	D3	PCS
MP8510	ER16	70	0,5 - 10	32		1
MP8511	ER 16	100	0,5 - 10	32	28	1
MP8512	ER25	70	1 - 16	42		1
MP8513	ER25	100	1 - 16	42	45	1
MP8514	ER32	70	2 - 20	50		1
MP8515	ER32	100	2 - 20	50	48	1
MP8516	ER40	70	3 - 30	63		1
MP8517	ER40	100	3 - 30	63	50	1

Others measures by request

BT40



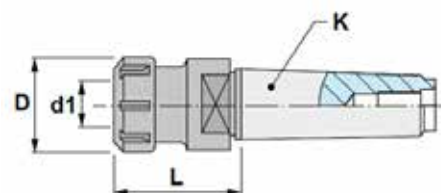
Collet Chuck Cone ISO40 - MAS403 BT - B6339

Cônes pour pinces de précision ISO40 - MAS403 BT

CODE	Collet Chuck	L	d1	D	PCS
MP8555	ER16	70	0,5 - 10	32	1
MP8556	ER25	70	1 - 16	42	1
MP8557	ER32	70	2 - 20	50	1
MP8558	ER40	70	3 - 30	63	1

Others measures by request

MK



MK for Collet Chuck- DIN6499/B

MK pour pinces de précision - DIN6499/B

CODE	Collet Chuck	K	L	d1	D	PCS
MP8560	ER32	3	70	2 - 20	50	1
MP8561	ER40	3	80	4 - 30	63	1
MP8562	ER32	4	60	2 - 20	50	1
MP8563	ER40	4	81	4 - 30	63	1

Others measures by request

SACA BOCADOS PARA UTILIZAÇÃO COM CHAVE

STANDARD BALL BEARING PUNCHES

EMPORTE PIÈCES STANDARD



For accurate holes in stainless steel sheet and plastic materials

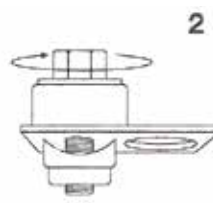
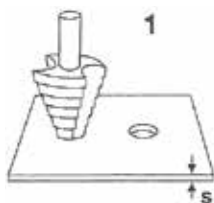
Pour des trous précis dans la plaque de acier inoxydable et matières plastiques

HSS Metric Thread

Filetage métrique HSS

CODE	Measure	S	PCS
MRS001	10	1,5	1
MRS002	11	1,5	1
MRS003	12	1,5	1
MRS004	12,5 Pg 7/M 12×1,5	1,5	1
MRS005	13	1,5	1
MRS006	14	1,5	1
MRS007	15	1,5	1
MRS008	15,2 Pg 9	1,5	1
MRS009	16	2	1
MRS010	16,5 M 16×1,5	2	1
MRS011	17	2	1
MRS012	18	2	1
MRS013	18,6 Pg 11	2	1
MRS014	19	2	1
MRS015	20	2	1
MRS016	20,5 Pg 13,5/M 20×1,5	2	1
MRS017	21	2	1
MRS018	22	2	1
MRS019	22,5 Pg 16	2	1
MRS020	23	2	1
MRS021	24	2	1
MRS022	25	2	1
MRS023	25,5 M 25×1,5	2	1
MRS024	26	2	1
MRS025	27	2	1
MRS026	28	2	1
MRS027	28,3 Pg 21	2	1
MRS028	29	2	1
MRS029	30	2	1
MRS030	30,5	2	1
MRS031	32	2	1
MRS032	32,5 M 32×1,5	2	1
MRS033	33	2	1
MRS034	34	2	1
MRS035	35	2	1
MRS036	36	2	1
MRS037	37 Pg 29	2	1

CODE	Measure	S	PCS
MRS038	38	1,5	1
MRS039	39	1,5	1
MRS040	40	1,5	1
MRS041	40,5 M 40×1,5	1,5	1
MRS042	41	1,5	1
MRS043	42	1,5	1
MRS044	43	1,5	1
MRS045	44	1,5	1
MRS046	45	2	1
MRS047	46	2	1
MRS048	47 Pg 36	2	1
MRS049	48	2	1
MRS050	50	2	1
MRS051	50,5 M 50×1,5	2	1
MRS052	51	2	1
MRS053	52	2	1
MRS054	52,5	2	1
MRS055	54 Pg 42	2	1
MRS056	55	2	1
MRS057	57	2	1
MRS058	58	2	1
MRS059	59	2	1
MRS060	60 Pg 48	2	1
MRS061	60,5	2	1
MRS062	61	2	1
MRS063	62	2	1
MRS064	63	2	1
MRS065	63,5 M 63×1,5	2	1
MRS066	64	2	1
MRS067	65	2	1
MRS068	70	2	1
MRS069	73	2	1
MRS070	75	2	1
MRS071	80	2	1
MRS072	85	2	1
MRS073	89	2	1
MRS074	102	2	1



JOGOS DE SACA BOCADOS PARA UTILIZAÇÃO COM CHAVE

STANDARD BALL BEARING PUNCHES SETS

JEUX DE EMPORTE PIECES STANDARD



Standard Ball Bearing 7 pcs Set

Jeu de 7 pcs de Emporte Piece



Set Pg 7 - Pg 29
Composition 7 pcs
Ø 12,5 - 15,2 - 18,6 - 20,5 - 22,5 - 28,3 - 37

CODE
MRS100



Standard Ball Bearing 11 pcs Set

Jeu de 11 pcs de Emporte Piece



Set Pg 7 - Pg 48
Composition 11 pcs
Ø 12,5 - 15,2 - 18,6 - 20,5 - 22,5 - 28,3 - 37 47 - 54 - 60

7 a 21mm

CODE
MRS102

Set M 12 x 1,5 - M 63 x 1,5
Composition 9 pcs
Ø 12,5 - 16,5 - 20,5 - 25,5 - 32,5 - 40,5 50,5 - 63,5

CODE
MRS103

PARAFUSOS COM ANILHAS PARA SACA BOCADOS

DRAW STUD

VIS POUR EMPORTE-PIÈCE



CODE	Measure	Capacity	PCS
MRS210	M 6 x 1	10 - 13	1
MRS211	M 8 x 1	14 - 15,2	1
MRS212	M 10 x 1	16 - 38	1
MRS213	M 12 x 1,5	39 - 50	1
MRS214	M 16 x 1,5	51 - 62	1

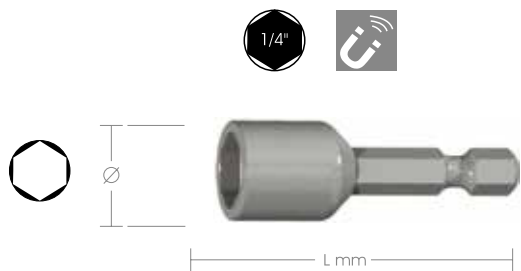
BITS

BITS
EMBOUS

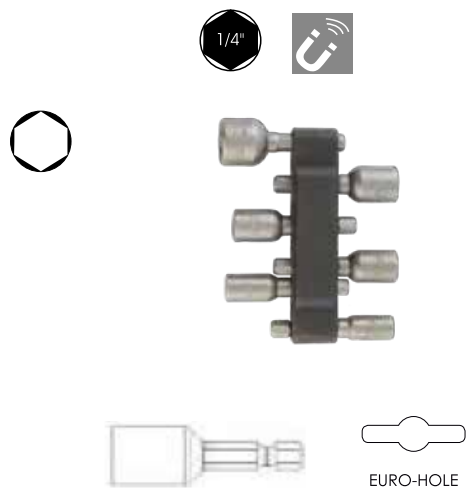


Magnetic Hexagonal Socket Wrench

Clé à douille hexagonale magnétique



CODE	ø mm	L mm	PCS
BM0778	5,5	45	5
BM0779	6	45	5
BM0780	8	45	5
BM0781	10	45	5
BM0782	8	65	5
BM0783	10	65	5
BM0784	7	50	5
BM0785	11	45	5
BM0786	12	45	5
BM0787	13	45	5

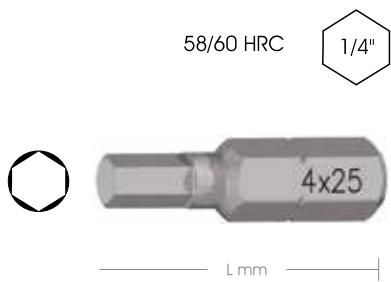


Magnetic Hexagonal keys	
Jeu de clé à Douille Hexagonale Magnétique	
Composition 6 pcs	
Ø	UN
5,5	1
6	1
7	1
8	1
10	1
13	1

CODE
BM0790

Hexagonal

Hexagonale



HEXAGONAL BIT 1/4 EMBOUS 1/4" HEXAGONAL"			
CODE	ø mm	L mm	PCS
BM0001	1,5	25	10
BM0002	2	25	10
BM0003	2,5	25	10
BM0004	3	25	10
BM0005	4	25	10
BM0006	5	25	10
BM0007	6	25	10
BM0008	7	25	10
BM0009	8	25	10
BM0010	10	25	10

BITS

BITS
EMBOUTS

PH Milled

PH Fraisée

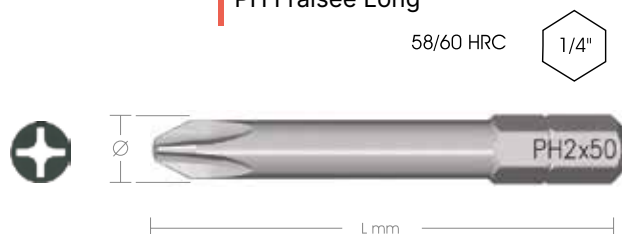


PHILLIPS BIT 1/4"
EMBOUT 1/4" PHILLIPS

CODE		ø mm	L mm	PCS
BM0101	PH0	3	25	10
BM0102	PH1	4,5	25	10
BM0103	PH2	6	25	10
BM0104	PH3	6	25	10
BM0106	PH4	10	32	10

PH Long Milled

PH Fraisée Long

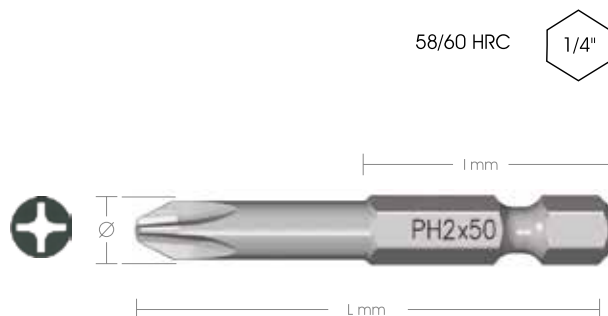


LONG PHILLIPS BIT 1/4"
EMBOUT 1/4" PHILLIPS LONG

CODE		ø mm	L mm	PCS
BM0120	PH1	4,5	50	5
BM0121	PH2	6	50	5
BM0122	PH3	8	50	5

PH Long and Extra Long Milled

PH Fraisée Long et Extra Long



LONG AND EXTRA LONG PHILLIPS BIT 1/4"
EMBOUT 1/4" PHILLIPS LONG ET EXTRA LONG

CODE		ø mm	L mm	l mm	PCS
BM0500	PH0	3	50	25	5
BM0501	PH0	3	75	25	5
BM0502	PH0	3	100	25	5
BM0503	PH1	4,5	50	25	5
BM0504	PH1	4,5	70	25	5
BM0505	PH1	4,5	75	25	5
BM0506	PH1	4,5	90	25	5
BM0507	PH1	4,5	100	25	5
BM0508	PH1	4,5	127	25	5
BM0509	PH1	4,5	150	25	5
BM0510	PH1	4,5	200	25	5
BM0511	PH2	6	50	25	5
BM0512	PH2	6	70	25	5
BM0513	PH2	6	75	25	5
BM0514	PH2	6	90	25	5
BM0515	PH2	6	100	25	5
BM0516	PH2	6	120	25	5
BM0517	PH2	6	127	25	5
BM0518	PH2	6	150	25	5
BM0519	PH2	6	200	25	5
BM0520	PH3	6	50	25	5
BM0521	PH3	8	50	25	5
BM0522	PH3	6	75	25	5
BM0523	PH3	8	75	25	5
BM0524	PH3	6	100	25	5
BM0525	PH3	8	100	25	5
BM0526	PH3	8	150	25	5
BM0527	PH4	10	50	25	5

BITS

BITS
EMBOUS

PH Torsion +

PH Torsion +

60/62 HRC

1/4"



L mm

PHILLIPS BIT 1/4" - EXTRA HARD, RESISTANT TO HIGH TENSION
EMBOUS 1/4" PHILLIPS - EXTRA DUR, HAUTE RÉSISTANCE À LA TORSION

CODE		L mm	PCS
BM0183	PH1	25	10
BM0184	PH2	25	10
BM0185	PH3	25	10

PH Torsion + Long

PH Torsion + Long

60/62 HRC

1/4"



L mm

PHILLIPS BIT 1/4" LONG - EXTRA HARD, RESISTANT TO HIGH TENSION
EMBOUS 1/4" PHILLIPS LONG - EXTRA DUR, HAUTE RÉSISTANCE À LA TORSION

CODE		L mm	PCS
BM0186	PH1	50	5
BM0187	PH2	50	5
BM0188	PH3	50	5

PH Torsion TM

PH Torsion TM

58/60 HRC

1/4"



L mm

PHILLIPS BIT 1/4" - RESISTANT TO HIGH TENSION
EMBOUS 1/4" PHILLIPS - POIGNÉES HAUTE RÉSISTANCE À LA TORSION

CODE		L mm	PCS
BM0170	PH1	25	5
BM0171	PH2	25	5
BM0172	PH3	25	5

PH Torsion TM Long

PH Torsion TM Long

58/60 HRC

1/4"



L mm

PHILLIPS BIT 1/4" LONG - RESISTANT TO HIGH TENSION
EMBOUS 1/4" PHILLIPS LONG - POIGNÉES HAUTE RÉSISTANCE À LA TORSION

CODE		L mm	PCS
BM0176	PH1	50	5
BM0177	PH2	50	5
BM0178	PH3	50	5

BITS

BITS
EMBOUTS

PH Titanium

PH Titanium

59/60 HRC

1/4"



PHILLIPS BIT 1/4" - TITANIUM COATED
EMBOUT 1/4" PHILLIPS - REVÊTEMENT TITANE

CODE		ø mm	L mm	PCS
BM0180	PH1	4,5	25	10
BM0181	PH2	4,5	25	10
BM0179	PH2	6	25	10
BM0182	PH3	6	25	10

PH Long Titanium

PH Titanium Long

59/60 HRC

1/4"



PHILLIPS LONG BIT 1/4" - TITANIUM COATED
EMBOUT 1/4" PHILLIPS LONG - REVÊTEMENT TITANE

CODE		ø mm	L mm	PCS
BM0190	PH1	4,5	50	5
BM0191	PH2	6	50	5
BM0192	PH3	6	50	5

PH Impact

PH Impacto

58/60 HRC

1/4"



PHILLIPS BIT 1/4" - IMPACT MACHINE
EMBOUT 1/4" PHILLIPS - POUR MACHINES À IMPACT

CODE		L mm	PCS
BM0600	PH1	30	10
BM0601	PH2	30	10
BM0602	PH3	30	10

PH Long Impact

PH Impacto Long

58/60 HRC

1/4"



PHILLIPS LONG BIT 1/4" - IMPACT MACHINES
EMBOUT 1/4" PHILLIPS LONG - POUR MACHINES À IMPACT

CODE		L mm	PCS
BM0610	PH1	50	5
BM0611	PH2	50	5
BM0612	PH3	50	5

BITS

BITS
EMBOUTS

PH HDC
PH HDC



PHILLIPS BIT 1/4" - DIAMOND COATED
EMBOUT 1/4" PHILLIPS - REVÊTEMENT DIAMANTÉ

CODE		L mm	PCS
BM0620	PH1	25	10
BM0621	PH2	25	10
BM0622	PH2	25	10

PH Long HDC
PH HDC Long



LONG PHILLIPS BIT 1/4" - DIAMOND COATED
EMBOUT 1/4" PHILLIPS LONG - REVÊTEMENT DIAMANTÉ

CODE		L mm	PCS
BM0630	PH1	50	5
BM0631	PH2	50	5
BM0632	PH3	50	5

BITS

BITS
EMBOUS

PZ Milled

PZ Fraisée

58/60 HRC

1/4"



POZIDRIVE 1/4" BIT WITH MILLED POINT
EMBOUS 1/4" POZIDRIVE AVEC POINTE FRAISÉE

CODE	+	ø mm	L mm	PCS
BM0201	PZ0	3	25	10
BM0202	PZ1	4,5	25	10
BM0203	PZ2	6	25	10
BM0204	PZ3	6	25	10
BM0205	PZ4	10	32	10

PZ Long Milled

PZ Fraisée Long

58/60 HRC

1/4"



POZIDRIVE 1/4" BIT LONG WITH MILLED POINT
EMBOUS 1/4" POZIDRIVE LONG AVEC POINTE FRAISÉE

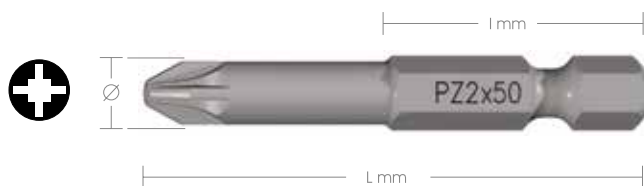
CODE	+	ø mm	L mm	PCS
BM0220	PZ1	4,5	50	5
BM0221	PZ2	6	50	5
BM0222	PZ3	8	50	5

PZ Long and Extra Long Milled

PZ Fraisée Long et Extra Long

58/60 HRC

1/4"



POZIDRIVE 1/4" BIT LONG AND EXTRA LONG WITH MILLED POINT
EMBOUS 1/4" POZIDRIVE LONG ET EXTRA LONG AVEC POINTE FRAISÉE

CODE	+	ø mm	L mm	l mm	PCS
BM0550	PZ0	3	50	25	5
BM0551	PZ1	4,5	50	25	5
BM0552	PZ1	4,5	70	25	5
BM0553	PZ1	4,5	75	25	5
BM0554	PZ1	4,5	90	25	5
BM0555	PZ1	4,5	100	25	5
BM0556	PZ1	4,5	127	25	5
BM0557	PZ1	4,5	150	25	5
BM0558	PZ1	4,5	200	25	5
BM0559	PZ2	6	50	25	5
BM0560	PZ2	6	70	25	5
BM0561	PZ2	6	75	25	5
BM0562	PZ2	6	90	25	5
BM0563	PZ2	6	100	25	5
BM0564	PZ2	6	127	25	5
BM0565	PZ2	6	150	25	5
BM0566	PZ2	6	200	25	5
BM0567	PZ3	6	50	25	5
BM0568	PZ3	8	50	25	5
BM0569	PZ3	6	75	25	5
BM0570	PZ3	8	75	25	5
BM0571	PZ3	6	100	25	5
BM0572	PZ3	8	100	25	5
BM0573	PZ3	8	150	25	5
BM0574	PZ4	10	50	25	5

BITS

BITS
EMBOUTS

PZ Torsion +

PZ Torsion +

60/62 HRC

1/4"



L mm

POZIDRIVE 1/4" BIT - EXTRA HARD RESISTANT TO HIGH TORSION
EMBOUT 1/4" POZIDRIVE - EXTRA DUR, RÉISTANCE À LA HAUTE TORSION

CODE		L mm	PCS
BM0293	PZ1	25	10
BM0294	PZ2	25	10
BM0295	PZ3	25	10

PZ Torsion + Long

PZ Torsion + Long

60/62 HRC

1/4"



L mm

POZIDRIVE 1/4" BIT LONG - EXTRA HARD RESISTANT TO HIGH TORSION
EMBOUT 1/4" POZIDRIVE LONG - EXTRA DUR, RÉISTANCE À LA HAUTE TORSION

CODE		L mm	PCS
BM0296	PZ1	50	5
BM0297	PZ2	50	5
BM0298	PZ3	50	5

PZ Torsion TM

PZ Torsion TM

58/60 HRC

1/4"



L mm

POZIDRIVE 1/4" BIT - RESISTANT TO HIGH TORSION
EMBOUT 1/4" POZIDRIVE - POIGNÉES HAUTE RÉISTANCE À LA HAUTE TORSION

CODE		L mm	PCS
BM0270	PZ1	25	10
BM0271	PZ2	25	10
BM0272	PZ3	25	10

PZ Torsion TM Long

PZ Torsion TM Long

58/60 HRC

1/4"



L mm

POZIDRIVE 1/4" BIT LONG - EXTRA HARD RESISTANT TO HIGH TORSION
EMBOUT 1/4" POZIDRIVE LONG - POIGNÉES HAUTE RÉISTANCE À LA HAUTE TORSION

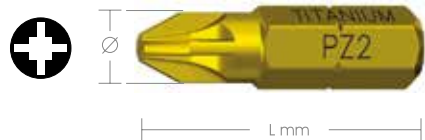
CODE		L mm	PCS
BM0280	PZ1	50	5
BM0281	PZ2	50	5
BM0283	PZ3	50	5

BITS


BITS
EMBOUS

PZ Titanium
PZ Titanium

59/60 HRC 1/4"



POZIDRIVE BIT 1/4" - TITANIUM COATED
EMBOUS 1/4" POZIDRIVE - REVÊTEMENT TITANE


CODE		Ø mm	L mm	PCS
BM0287	PZ1	4,5	25	10
BM0286	PZ2	6	25	10
BM0289	PZ3	6	25	10

PZ Long Titanium
PZ Titanium Long

59/60 HRC 1/4"



POZIDRIVE BIT 1/4" LONG - TITANIUM COATED
EMBOUS 1/4" POZIDRIVE LONG - REVÊTEMENT TITANE


CODE		Ø mm	L mm	PCS
BM0196	PZ2	6	50	5

PZ Impact
PZ Impacto

58/60 HRC 1/4"



POZIDRIVE BIT 1/4" LONG FOR IMPACT MACHINES
EMBOUS 1/4" POZIDRIVE - POUR LES MACHINES À IMPACT


CODE		L mm	PCS
BM0640	PZ1	30	10
BM0641	PZ2	30	10
BM0642	PZ3	30	10

PZ Long Impact
PZ Impacto Long

58/60 HRC 1/4"



POZIDRIVE BIT 1/4" LONG FOR IMPACT MACHINES
EMBOUS 1/4" POZIDRIVE LONG - POUR LES MACHINES À IMPACT

CODE		L mm	PCS
BM0650	PZ1	50	5
BM0651	PZ2	50	5
BM0652	PZ3	50	5


BITS

BITS
EMBOUTS

PZ HDC
PZ HDC




POZIDRIVE BIT 1/4" - DIAMOND COATED
EMBOUT 1/4" POZIDRIVE - REVÊTEMENT DIAMANTÉ

CODE		L mm	PCS
BM0660	PZ1	25	10
BM0661	PZ2	25	10
BM0662	PZ3	25	10

PZ Long HDC
PZ HDC Long



POZIDRIVE BIT 1/4" LONG - DIAMOND COATED
EMBOUT 1/4" POZIDRIVE LONG - REVÊTEMENT DIAMANTÉ

CODE		L mm	PCS
BM0670	PZ1	50	5
BM0671	PZ2	50	5
BM0672	PZ3	50	5

BITS

BITS
EMBOUTS

TX

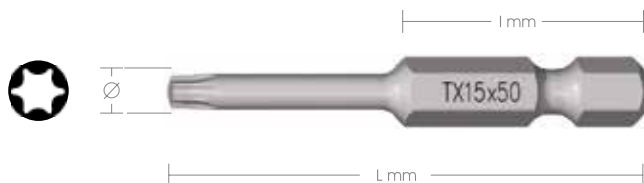


1/4" BIT FOR TORX SCREWS
EMBOUT 1/4" VIS TORX

CODE		L mm	PCS
BM1000	TX06	25	10
BM1001	TX07	25	10
BM1002	TX08	25	10
BM1003	TX09	25	10
BM1004	TX10	25	10
BM1005	TX15	25	10
BM1006	TX20	25	10
BM1007	TX25	25	10
BM1008	TX27	25	10
BM1009	TX30	25	10
BM1010	TX40	25	10
BM1011	TX45	25	10
BM1012	TX50	25	10

TX Long and Extra Long

TX Long et Extra Long



58/60 HRC

1/4" BIT LONG ET EXTRA LONG FOR TORX SCREWS
EMBOUT 1/4" LONG ET EXTRA LONG - VIS TORX

CODE		Ø mm	L mm	l mm	PCS
BM1126	TX20	4,5	50	25	5
BM1127	TX20	5	70	25	5
BM1128	TX20	5	90	25	5
BM1129	TX20	5	100	25	5
BM1130	TX20	5	127	25	5
BM1131	TX20	5	150	25	5
BM1132	TX20	5	200	25	5
BM1134	TX25	5	50	25	5
BM1135	TX25	5	70	25	5
BM1136	TX25	5	90	25	5
BM1137	TX25	5	100	25	5
BM1138	TX25	5	127	25	5
BM1139	TX25	5	150	25	5
BM1140	TX25	5	200	25	5
BM1141	TX27	6	50	25	5
BM1142	TX27	6	70	25	5
BM1143	TX27	6	90	25	5
BM1144	TX27	6	100	25	5
BM1145	TX27	6	127	25	5
BM1146	TX30	6	50	25	5
BM1147	TX30	6	70	25	5
BM1148	TX30	6	90	25	5
BM1149	TX30	6	100	25	5
BM1150	TX30	6	127	25	5
BM1151	TX30	6	150	25	5
BM1152	TX40	1/4	50	25	5
BM1153	TX40	1/4	70	25	5
BM1154	TX40	1/4	90	25	5
BM1155	TX40	1/4	100	25	5
BM1156	TX40	1/4	150	25	5

CODE		Ø mm	L mm	l mm	PCS
BM1100	TX05	3	50	25	5
BM1101	TX06	3	50	25	5
BM1102	TX06	3	70	25	5
BM1103	TX06	3	100	25	5
BM1104	TX06	3	150	25	5
BM1105	TX07	3	50	25	5
BM1106	TX07	3	70	25	5
BM1107	TX08	3	50	25	5
BM1108	TX08	3	70	25	5
BM1109	TX08	3	100	25	5
BM1110	TX08	3	150	25	5
BM1111	TX09	3	50	25	5
BM1112	TX10	4	50	25	5
BM1113	TX10	4	70	25	5
BM1114	TX10	4	90	25	5
BM1115	TX10	4	100	25	5
BM1116	TX10	4	127	25	5
BM1117	TX10	4	150	25	5
BM1118	TX10	5	200	25	5
BM1119	TX15	4	50	25	5
BM1120	TX15	4	70	25	5
BM1121	TX15	4	90	25	5
BM1122	TX15	4	100	25	5
BM1123	TX15	4	127	25	5
BM1124	TX15	4	150	25	5
BM1125	TX15	5	200	25	5

BITS

BITS
EMBOUTS

TX Torsion TM

TX Torsion TM

58/60 HRC

1/4"



L mm

1/4" BIT FOR TORX SCREWS - RESISTANT TO HIGH TORSION
EMBOUT 1/4" - VIS TORX LONG - RÉSISTANCE À LA HAUTE TORSION

CODE		L mm	PCS
BM1020	TX10	25	10
BM1021	TX15	25	10
BM1022	TX20	25	10
BM1023	TX25	25	10
BM1024	TX27	25	10
BM1025	TX30	25	10
BM1026	TX40	25	10

TX Long Torsion TM

TX Torsion TM Long

58/60 HRC

1/4"



L mm

1/4" BIT LONG FOR TORX SCREWS - RESISTANT TO HIGH TORSION
EMBOUT 1/4" - VIS TORX LONG - RÉSISTANCE À LA HAUTE TORSION

CODE		L mm	PCS
BM1030	TX10	50	5
BM1031	TX15	50	5
BM1032	TX20	50	5
BM1033	TX25	50	5
BM1034	TX27	50	5
BM1035	TX30	50	5
BM1036	TX40	50	5

TX Titanium

TX Titane

59/60 HRC

1/4"



L mm

1/4" BIT FOR TORX SCREWS - TITANIUM COATED
EMBOUT 1/4" - VIS TORX LONG - REVÊTEMENT TITANE

CODE		L mm	PCS
BM1050	TX10	25	10
BM1051	TX15	25	10
BM1052	TX20	25	10
BM1053	TX25	25	10
BM1054	TX27	25	10
BM1055	TX30	25	10
BM1056	TX40	25	10

BITS

BITS
EMBOUTS

TX Impact

TX Impact

58/60 HRC

1/4"



1/4" BIT FOR TORX SCREWS FOR IMPACT MACHINES
EMBOUT 1/4" VIS TORX POR MACHINES À IMPACT

CODE		L mm	PCS
BM1060	TX10	30	10
BM1061	TX15	30	10
BM1062	TX20	30	10
BM1063	TX25	30	10
BM1064	TX27	30	10
BM1065	TX30	30	10
BM1066	TX40	30	10

TX Long Impact

TX Impact Long

58/60 HRC

1/4"



1/4" BIT LONG FOR TORX SCREWS FOR IMPACT MACHINES
EMBOUT 1/4" VIS TORX LONG POR MACHINES À IMPACT

CODE		L mm	PCS
BM1070	TX10	50	5
BM1071	TX15	50	5
BM1072	TX20	50	5
BM1073	TX25	50	5
BM1074	TX27	50	5
BM1075	TX30	50	5
BM1076	TX40	50	5

TX HDC

58/60 HRC

1/4"



1/4" BIT LONG FOR TORX - DIAMOND COATED
EMBOUT 1/4" VIS TORX - REVÊTEMENT DIAMANTÉ

CODE		L mm	PCS
BM1080	TX10	25	10
BM1081	TX15	25	10
BM1082	TX20	25	10
BM1083	TX25	25	10
BM1084	TX30	25	10
BM1085	TX40	25	10

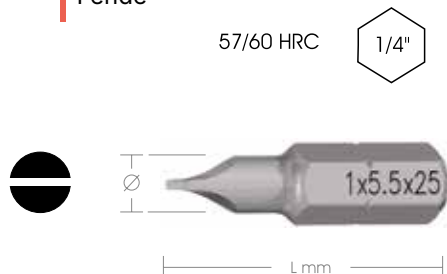
BITS


BITS
EMBOUS

Slotted

Fente

1/4" BIT SCOTTED
EMBOUS 1/4" FENTE

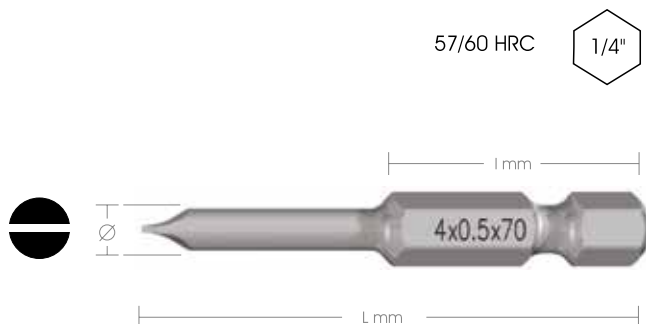



CODE		Ø mm	L mm	PCS
BM1200	0,5	3	25	10
BM1201	0,6	3,5	25	10
BM1202	0,6	4	25	10
BM1203	0,6	4,5	25	10
BM1204	0,8	5	25	10
BM1205	0,8	5,5	25	10
BM1206	1	5,5	25	10
BM1207	1	6	25	10
BM1208	1,2	6,5	25	10
BM1209	1,2	8	25	10
BM1210	1,6	8	25	10

Slotted Long and Extra Long

Fente Long et Extra Long

1/4" BIT LONG AND EXTRA LONG SLOTTED
EMBOUS 1/4" LONG ET EXTRA LONG À FENTE




CODE		Ø mm	L mm	l mm	PCS
BM1250	0,5	3	50	25	5
BM1251	0,5	3	70	25	5
BM1252	0,6	3,5	50	25	5
BM1253	0,6	3,5	70	25	5
BM1254	0,5	4	50	25	5
BM1255	0,5	4	70	25	5
BM1256	0,5	4	100	25	5
BM1257	0,6	4,5	50	25	5
BM1258	0,6	4,5	70	25	5
BM1259	0,6	4,5	100	25	5
BM1260	0,8	5	50	25	5
BM1261	0,8	5	70	25	5
BM1262	0,8	5	100	25	5
BM1263	0,8	5,5	50	25	5
BM1264	0,8	5,5	70	25	5
BM1265	1	6	50	25	5
BM1266	1	6	70	25	5
BM1267	1	6	100	25	5
BM1268	1,2	6,5	50	25	5
BM1269	1,2	6,5	70	25	5
BM1270	1,2	8	50	25	5
BM1271	1,2	8	70	25	5

Slotted Titanium

Fente Titane

1/4" BIT SLOTTED TITANIUM COATED
EMBOUS 1/4" À FENTE REVÊTEMENT TITANE



CODE		Ø mm	L mm	PCS
BM1290	0,5	3	25	10
BM1291	0,6	4	25	10
BM1292	0,6	4,5	25	10
BM1293	0,8	5,5	25	10
BM1294	1.2	6.5	25	10

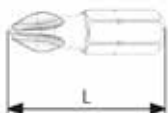
BITS

BITS
EMBOUTS



PH COLOR

58/60 HRC

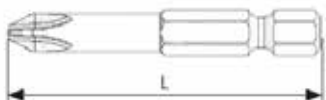


CODE		L mm	PCS
BMC001	PH1	25	10
BMC002	PH2	25	10
BMC003	PH3	25	10



PH COLOR Long
PH COLOR Long

58/60 HRC

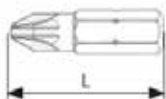


CODE		L mm	PCS
BMC004	PH1	50	5
BMC005	PH2	50	5
BMC006	PH3	50	5



PZ COLOR

58/60 HRC



CODE		L mm	PCS
BMC007	PZ1	25	10
BMC008	PZ2	25	10
BMC009	PZ3	25	10

BITS

BITS
EMBOUTS



Long COLOR

PZ COLOR Long

58/60 HRC $\frac{1}{4}"$ C

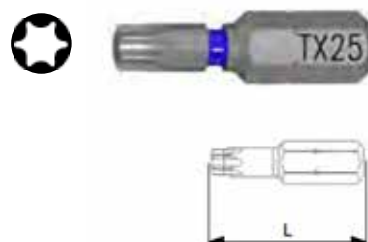


CODE		L mm	PCS
BMC010	PZ1	50	5
BMC011	PZ2	50	5
BMC012	PZ3	50	5



TX COLOR

58/60 HRC $\frac{1}{4}"$ E



CODE		L mm	PCS
BMC013	TX10	25	10
BMC014	TX15	25	10
BMC015	TX20	25	10
BMC016	TX25	25	10
BMC017	TX27	25	10
BMC018	TX30	25	10
BMC019	TX40	25	10



TX Long COLOR

TX COLOR Long

58/60 HRC $\frac{1}{4}"$ C



CODE		L mm	PCS
BMC020	TX10	50	5
BMC021	TX15	50	5
BMC022	TX20	50	5
BMC023	TX25	50	5
BMC024	TX27	50	5
BMC025	TX30	50	5
BMC026	TX40	50	5

BITS PLADUR

BITS
EMBOUTS



PH MAG Pladur with Magnetic Retention

Pladur PH MAG avec Rétention Magnétique

58/60 HRC $\frac{1}{4}"$
C



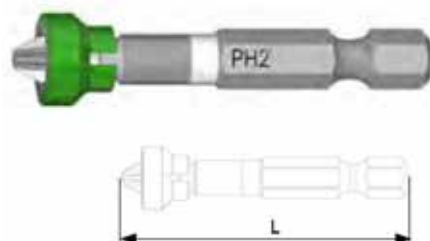
CODE		L mm	PCS
BM0850	PH1	25	10
BM0851	PH2	25	10
BM0852	PH3	25	10



PH MAG Pladur Long with Magnetic Retention

Pladur Long PH MAG avec Rétention Magnétique

58/60 HRC $\frac{1}{4}"$
E



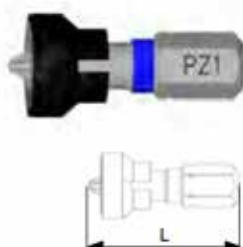
CODE		L mm	PCS
BM0853	PH1	50	5
BM0854	PH2	50	5
BM0855	PH3	50	5



PZ MAG Pladur with Magnetic Retention

Pladur PZ MAG avec Rétention Magnétique

58/60 HRC $\frac{1}{4}"$
C



CODE		L mm	PCS
BM0856	PZ1	25	10
BM0857	PZ2	25	10
BM0858	PZ3	25	10

BITS PLADUR

BITS
EMBOUTS



PZ MAG Pladur Long with Magnetic Retention

Pladur Long PZ MAG avec Rétention Magnétique



CODE		L mm	PCS
BM0859	PZ1	50	5
BM0860	PZ2	50	5
BM0861	PZ3	50	5



TX MAG Pladur with Magnetic Retention

Pladur TX MAG avec Rétention Magnétique



CODE		L mm	PCS
BM0862	TX10	25	10
BM0863	TX15	25	10
BM0864	TX20	25	10
BM0865	TX25	25	10
BM0866	TX27	25	10
BM0867	TX30	25	10
BM0868	TX40	25	10



TX MAG Pladur Long with Magnetic Retention

Pladur Long TX MAG avec Rétention Magnétique



CODE		L mm	PCS
BM0869	TX10	50	5
BM0870	TX15	50	5
BM0871	TX20	50	5
BM0872	TX25	50	5
BM0873	TX27	50	5
BM0874	TX30	50	5
BM0875	TX40	50	5

ADAPTADORES DE BITS

BITS ADAPTERS
ADAPTATEURS

Quick Lock Adapter

Adaptateur Quick Lock



1/4" MAGNETIC ADAPTER WITH QUICK LOCK SYSTEM
ADAPTATEUR MAGNÉTIQUE 1/4" AVEC SYSTÈME DE VERROUILLAGE

CODE	Ø mm	L mm	PCS
BM2000	14	60	5
BM2001	14	75	5
BM2002	14	100	5
BM2003	14	120	5
BM2004	14	150	5
BM2005	14	200	5
BM2006	14	250	5

Standard Magnetic Adapter (without ring)

Adaptateur Magnétique Standard (sans anneau)



1/4" MAGNETIC ADAPTER WITHOUT RING
ADAPTATEUR MAGNÉTIQUE 1/4" SANS ANNEAU

CODE	Ø mm	L mm	PCS
BM2020	10	50	5
BM2021	10	60	5
BM2022	10	75	5
BM2023	10	100	5
BM2024	10	120	5
BM2025	10	150	5
BM2026	10	200	5
BM2027	10	250	5

Standard Magnetic Ring (with Ring)

Adaptateur Magnétique Standard (com anneau)



1/4" MAGNETIC ADAPTER WITH RING
ADAPTATEUR MAGNÉTIQUE 1/4" AVEC ANNEAU

CODE	Ø mm	L mm	PCS
BM2040	10	50	5
BM2041	10	60	5
BM2042	10	75	5
BM2043	10	100	5
BM2044	9,8	120	5
BM2045	10	150	5
BM2046	9,8	200	5
BM2047	11	250	5
BM2048	11	400	5

Reinforced Industrial Magnetic Adapter

Adaptateur Magnétique Industriel Renforcé

















MAGNETIC ADAPTER WITH REINFORCED BODY RING
ADAPTATEUR MAGNÉTIQUE AVEC ANNEAU CORPS RENFORCÉ

CODE	Ø mm	L mm	PCS
BM2061	11	60	5
BM2062	11	75	5

BITBOX
BITBOX



Composition 26 pcs

					
PH1 PH2 PH3	PZ1 PZ2 PZ3	3 4 5,5 6,5			
1 pc 2 pcs 1 pc	1 pc 2 pcs 1 pc	1 pc 1 pc 1 pc 1 pc			
					
Adapter		TX10 TX15 TX20		CH5 CH6 CH7	
1/4 C a 1/4 C		1 pc 1 pc 1 pc		1 pc 1 pc 1 pc	
1 pc		TX25 TX30		CH8 CH10 CH13	
		1 pc 1 pc		1 pc 1 pc 1 pc	
		1x Key		1x Quick Look Adapter	
					

BM0706

Composition 32 pcs

Part Number	Quantity
HEX3	1 pc
HEX4	1 pc
HEX5	1 pc
HEX6	1 pc
TX10	1 pc
TX15	1 pc
TX20	1 pc
TX25	1 pc
TX27	1 pc
TX30	1 pc
TX40	1 pc
PH1	1 pc
PH2	1 pc
PH3	1 pc
PZ1	1 pc
PZ2	1 pc
PZ3	1 pc

BM0701

MYBIT 7

MYBIT 7

MYBIT 7

MYBIT 7 - Milling

MYBIT 7 - Fraisé



CODE

BM0736

Composition 7 pcs

TX10	TX15	TX20	TX25	TX30	TX40
1 pc	1 pc	1 pc	1 pc	1 pc	1 pc



Characteristics:

- New design.
- Torsion effort distributed along the bit body
- Professional applications
- Oil resistant paint

Caractéristiques:

- Nouveau design
- Effort de torsion réparti sur de corps du bit
- Applications professionnelles
- Peinture résistante à l'huile

Composition 12 sets

CODE

BM0741



MYBIT 7 - Color

MYBIT 7 - Couleur



CODE

BM0733

Composition 7 pcs

PH1	PH2	PZ1	PZ2	TX20	TX25
1 pc	1 pc	1 pc	1 pc	1 pc	1 pc



Characteristics:

- New design.
- Torsion effort distributed along the bit body
- Professional applications
- Oil resistant paint

Caractéristiques:

- Nouveau design
- Effort de torsion réparti sur de corps du bit
- Applications professionnelles
- Peinture résistante à l'huile

Composition 12 sets

CODE

BM0742



MYBIT 7 - Torsion



CODE

BM0734

Composition 7 pcs

PH2	PH3	PZ2	PZ3	TX15	TX20	TX25	TX30
1 pc	1 pc	1 pc	1 pc	1 pc	1 pc	1 pc	1 pc



Characteristics:

- New design.
- Torsion effort distributed along the bit body
- Steel resistance to impacts on hard material
- Reduced wear and increased service life

Caractéristiques:

- Nouveau design
- Effort de torsion réparti sur de corps du bit
- Résistance à l'impact de l'acier sur les matériaux durs
- Usure réduite et durée de vie accrue

Composition 12 sets

CODE

BM0743



MYBIT 7

MYBIT 7

MYBIT 7

MYBIT 7 - Titanium

MYBIT 7 - Titane



CODE

BM0735

Composition 7 pcs



PH1	PH2	PZ1	PZ2	TX15	TX20
1 pc	1 pc	1 pc	1 pc	1 pc	1 pc



Characteristics:

- Titanium nitrate coating 2500HV hardness.
- Resistant to the friction effort of hard materials
- Resistant to wear and oxidation

Caractéristiques:

- Revêtement de nitrure de titane durété 2500HV.
- Résistant à l'effort frottement des matériaux durs.
- Résistant à l'usure et à l'oxydation

Composition 12 sets

CODE

BM0744



MYBIT 7 - Impact



CODE

BM0732

Composition 7 pcs



PH2	PH3	PZ2	PZ3	TX30	TX40
1 pc	1 pc	1 pc	1 pc	1 pc	1 pc



Characteristics:

- For use in impulse machines.
- High resistance at high speeds.
- Supports 300% more effort.
- Short profile to resist twisting and absorb deformations.

Caractéristiques:

- Pour les machines à impulsion.
- Haute résistance à haute vitesse.
- Supporte 300% d'effort en plus.
- Profil réduit pour résister à la torsion et absorber déformations.

Composition 12 sets

CODE

BM0745



EXPOSITOR DE BITS

MYBIT 7

MYBIT 7



PH0
25mm

4 boxes
of 10 pcs

BM0101

PH1
50mm

3 boxes
of 5 pcs

Bm0120

PH1
25mm

4 boxes
of 10 pcs

BM0102

PH2
50mm

3 boxes
of 5 pcs

BM0121

PH2
25mm

4 boxes
of 10 peças

BM0103

PH3
50mm

3 boxes
of 5 pcs

BM0122

PH3
25mm

4 boxes
of 10 pcs

BM0104



10 Quick Lock Adapters

1/4 60mm
BM2000



PZ1
25mm

4 boxes
of 10 pcs

BM0202

PZ2
25mm

4 boxes
of 10 pcs

BM0203

PZ3
25mm

4 boxes
of 10 pcs

BM0204

PZ1
50mm

3 boxes
of 5 pcs

BM0220

PZ2
50mm

3 boxes
of 5 pcs

BM0221



TX15
25mm

3 boxes
of 10 pcs

BM1005

TX20
25mm

3 boxes
of 10 pcs

BM1006

TX25
25mm

3 boxes
of 10 pcs

BM1007

TX30
25mm

3 boxes
of 10 pcs

BM1009

TX40
25mm

3 boxes
of 10 pcs

BM1010



HEX4
25mm

2 boxes
of 10 pcs

BM0005

HEX6
25mm

2 boxes
of 10 pcs

BM0007

HEX5
25mm

2 boxes
of 10 pcs

BM0006



1,2x6,5
25mm

2 boxes
of 10 pcs

BM1208

Composition 595 PCS

CODE

BM0740

600 × 90 × 65 mm

LINHAS PARA EXPOSITOR

LINES FOR DISPLAYS
LIGNES POUR DISPLAYS



HSS Hole Cutters Fraises Perforants HSS		
Composition 29 pcs		
CODE	Ø	PCS
MLP14	14	4
MLP16	16	4
MLP18	18	4
MLP20	20	4
MLP22	22	4
MLP25	25	2
MLP30	30	2
MLP32	32	2
MLP35	35	2
MLP40	40	1
CODE MLP50		



HSS Hole Cutters TIN Fraises Perforants HSS en TIN		
Composition 29 pcs		
CODE	Ø	PCS
MLPT14	14	2
MLPT16	16	2
MLPT18	18	2
MLPT20	20	2
MLPT22	22	2
MLPT25	25	2
MLPT30	30	1
MLPT32	32	1
MLPT35	35	1
MLPT40	40	1
CODE MLPT50		



"Multi-purpose" Drills Forets "Tout-usage"		
Composition 120 pcs		
CODE	Ø	PCS
MLTFT02	4	20
MLTFT06	8	20
MLTFT03	5	40
MLTFT04	6	40
MLTFT08	10	15
MLTFT10	12	15
MLTFT12	14	5
MLTFT14	16	5
CODE MLFT51		



High Performance "Multi-purpose" Drills Forets "Tout-usage" Haute Performance		
Composition 70 pcs		
CODE	Measure	PCS
MLTFT20	3 × 70	5
MLTFT21	4 × 75	5
MLTFT22	5 × 85	5
MLTFT34	10 × 120	5
MLTFT35	10 × 150	5
MLTFT39	12 × 150	5
MLTFT25	6 × 100	10
MLTFT29	8 × 120	10
MLTFT30	8 × 150	8
MLTFT42	14 × 200	2
MLTFT44	16 × 200	2
CODE MLFT50		



2 Display Lines

HSS-CO Bi-metal Hole Saws Scies Trépan Bimétalliques HSS-CO					
Comp.: 40 pcs					
CODE	Ø	PCS	CODE	Ø	PCS
MLV3001	16	2	MLV3030	60	2
MLV3003	19	2	MLV3006	22	3
MLV3004	20	2	MLV3007	24	3
MLV3016	38	2	MLV3008	25	3
MLV3017	40	2	MLV3009	27	3
MLV3020	44	2	MLV3010	29	3
MLV3025	51	2	MLV3011	30	3
MLV3027	54	2	MLV3012	32	3
MLV3028	57	2	MLV3014	35	3
2 pcs 14 to 30 and 2 adapters 32 to 250					
CODE MLV3060					

LINHAS PARA EXPOSITOR

LINES FOR DISPLAYS
LIGNES POUR DISPLAYS



Speedmaster Drills

Forets Cylindriques
Speedmaster

Composition 124 pcs

CODE	Ø	PCS
MLSP009	3	15
MLSP013	4	15
MLSP017	5	15
MLSP021	6	15
MLSP029	8	15
MLSP011	3,5	10
MLSP015	4,5	10
MLSP019	5,5	10
MLSP023	6,5	10
MLSP037	10	6
MLSP045	12	3

CODE

MLSP050



SDS/PLUS "S4" Hammer Drills

Forets Percussion
SDS/PLUS "S4"

Composition 90 pcs

CODE	Measure	PCS
MTSDS001	5 × 110	10
MTSDS003	5 × 160	10
MTSDS008	6 × 110	10
MTSDS009	6 × 160	10
MTSDS020	8 × 160	10
MTSDS021	8 × 210	10
MTSDS030	10 × 160	10
MTSDS031	10 × 210	10
MTSDS041	12 × 210	10

CODE

MLS4050



SDS "4x4" Hammer Drills

Forets Percussion SDS "4X4"

Composition 80 pcs

CODE	Measure	PCS
MT4X4001	5 × 110	10
MT4X4005	6 × 110	10
MT4X4006	6 × 160	10
MT4X4017	8 × 160	10
MT4X4023	10 × 160	10
MT4X4029	12 × 160	10
MT4X4007	6 × 210	5
MT4X4018	8 × 210	5
MT4X4024	10 × 210	5
MT4X4030	12 × 210	5

CODE

ML4X450



SDS "4x4" Hammer Drills

Forets Percussion SDS "4X4"

Composition 33 pcs

CODE	Measure	PCS
MT4X4031	12 × 260	5
MT4X4036	14 × 210	5
MT4X4037	14 × 260	5
MT4X4042	16 × 210	5
MT4X4043	16 × 260	3
MT4X4047	18 × 250	3
MT4X4048	18 × 450	3
MT4X4049	20 × 250	2
MT4X4050	20 × 450	2

CODE

ML4X451



4 Cutters - SDS MAX Hammer Drills

Forets Percussion
SDS MAX - 4 Coupes

Composition 20 pcs

CODE	Measure	PCS
MBMA001	12 × 340	2
MBMA004	14 × 340	2
MBMA006	16 × 340	2
MBMA008	18 × 340	2
MBMA009	18 × 540	2
MBMA011	20 × 320	2
MBMA012	20 × 520	2
MBMA015	22 × 320	2
MBMA016	22 × 520	2
MBMA022	25 × 520	2

CODE

MLMAX50

CRIE O SEU EXPOSITOR

CREATE YOUR DISPLAY
CRÉEZ VOTRE DISPLAY

Choose the Composition



WE OFFER THE DISPLAY

Composition limited up to 8 lines.

EXPOSITOR - A NOSSA SUGESTÃO

DISPLAY - OUR SUGGESTION

DISPLAY - NOTRE SUGGESTIONS



DISPLAY OFFER

CODE
EXPOSITOR12

SDS/PLUS "S4"

Comp.: 90 pcs

UN	Measure
10	5 × 110
10	5 × 160
10	6 × 110
10	6 × 160
10	8 × 160
10	8 × 210
10	10 × 160
10	10 × 210
10	12 × 210

SDS MAX 4 Cortes

Comp.: 20 pcs

UN	Measure
2	12 × 340
2	14 × 340
2	16 × 340
2	18 × 340
2	18 × 540
2	20 × 320
2	20 × 520
2	22 × 320
2	22 × 520
2	25 × 520

SDS "4x4"

Comp.: 80 pcs

UN	Measure
10	5 × 110
10	6 × 110
10	6 × 160
10	8 × 160
10	10 × 160
10	12 × 160
5	6 × 210
5	8 × 210
5	10 × 210
5	12 × 210

SDS "4x4"

Comp.: 33 pcs

UN	Measure
5	12 × 260
5	14 × 210
5	14 × 260
5	16 × 210
3	16 × 260
3	18 × 250
3	18 × 450
2	20 × 250
2	20 × 450

Multi-Purpose Drills Foret "tout-usage"

Comp.: 120 pcs

UN	Measure
20	4
20	8
40	5
40	6
15	10
15	12
5	14
5	16

High performance Multi-purpose Drills Foret "tout-usage" Haute performance

Comp.: 70 pcs

UN	Measure	UN	Measure
5	3 × 70	10	6 × 100
5	4 × 75	10	8 × 120
5	5 × 85	8	6 × 150
5	10 × 120	8	8 × 150
5	10 × 150	2	14 × 200
5	12 × 150	2	16 × 200

HSS Hole Cutters

Fraises
Perforants HSS

Comp.: 29 pcs

UN	Measure
4	14
4	16
4	18
4	20
4	22
2	25
2	30
2	32
2	35
1	40

Speedmaster

Comp.: 124 pcs

UN	Measure
15	3
15	4
15	5
15	6
15	8
10	3,5
10	4,5
10	5,5
10	6,5
6	10
3	12

HSS-CO Bi-metal Hole Saws Scies Trépans Bimétalliques HSS-CO

Comp.: 40 pcs

UN	Measure	UN	Measure	UN	Measure
2	16	2	51	3	25
2	19	2	54	3	27
2	20	2	57	3	29
2	38	2	60	3	30
2	40	3	22	3	32
2	44	3	24	3	35

2 adapters 14 to 30
2 adapters 32 to 250

EXPOSITORES DE DISCOS ABRASIVOS

ABRASIVE DISCS DISPLAYS

DISPLAYS DISQUES ABRASIFS



Composition 725 discs

CODE	UN	Measure	Description
MD002	50	115 × 3	Iron cut
MD003	50	125 × 3	Iron cut
MD004	50	180 × 3,2	Iron cut
MD005	50	230 × 3,2	Iron cut
MD006	25	300 × 3,2	Iron cut
MD021	50	115 × 6	Grinding
MD022	50	125 × 6	Grinding
MD023	50	180 × 7	Grinding
MD025	50	230 × 6	Grinding
MD030	100	115 × 1	SSTL cut
MD032	50	115 × 2	SSTL cut
MD040	50	125 × 1	SSTL cut
MD034	50	125 × 1,6	SSTL cut
MD036	25	180 × 2	SSTL cut
MD038	25	230 × 3	SSTL cut

Composition 60 Flap Dics + 3 Mop Rollers + 60 Mop Sheets

CODE	UN	Measure	Description
MDLAM003	10	115 GR 80	Master Line
MDLAMO10	10	125 GR 40	Master Line
MDLAM101	10	115 GR 40	Top Line
MDLAM102	10	115 GR 60	Top Line
MDLAM220	10	115 GR 40	Alumínio
MDLAM221	10	115 GR 60	Alumínio
MD119	20	120 × 280	Ultra Fino
MD120	20	115 × 280	Muito Fino
MD121	20	115 × 280	Ultra Fino
MD122	1	115 × 10mt	Muito Fino
MD123	1	115 × 10mt	Ultra Fino
MD124	1	115 × 10mt	Ultra Fino

DISPLAY OFFER

CODE

EXPOSITOR11

EXPOSITORES DE SERRAS CRANEANAS HSS-CO

HSS-CO HOLE SAWS DISPLAYS
DISPLAYS SCIES TRÉPANS BIMÉTAL HSS-CO



Composition	
50 Saw Blades + 4 Drills	
6 Adapters + 4 Sets	
UN	Measure
2	16
2	19
2	22
2	25
2	29
2	32
2	38
2	41
2	43
2	44
2	48
2	51
2	54
2	57
2	60
2	65
2	67
2	70
2	76
2	89
2	92
2	95
2	102
2	105
2	114
2 Guide Drills 6,35 Lenght 75mm	
2 Guide Drills 6,35 Lenght 104mm	
2 Adapters GBM 32 to 250	
2 Adapters GBP 14 to 30	
2 Adapters GBS 32 to 250	
1 Plumbers Set	
1 Installers Set	
1 Electricians Set	
1 Industrial Set	

DISPLAY OFFER

CODE
EXPOSITOR08

EXPOSITORES DE DISCOS DIAMANTADOS

DIAMOND DISCS DISPLAYS
DISPLAYS DISQUES DIAMANT



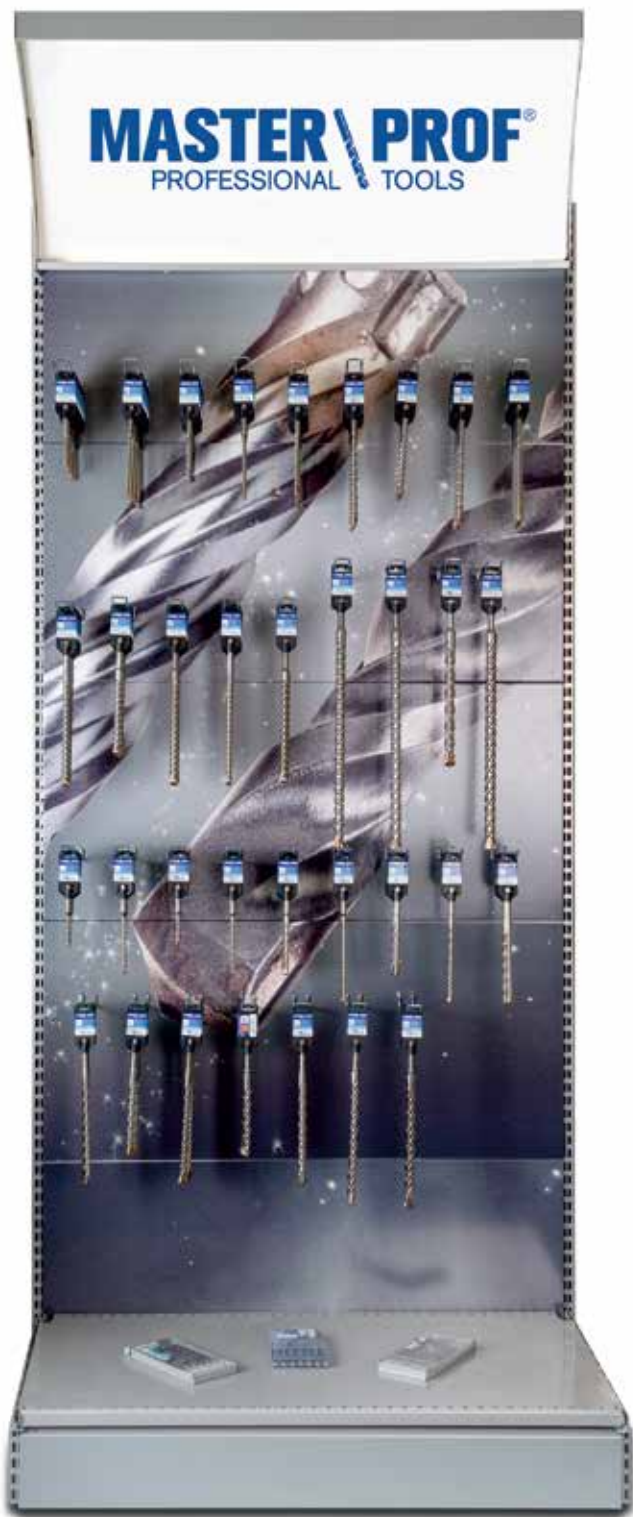
Composition 74 Discs		
CODE	UN	Measure
MDD100	10	115
MDD103	5	230
MDD104	2	300
MDD146	10	115
MDD149	5	230
MDD150	2	300
MDD162	5	115
MDD165	5	230
MDD185	5	115
MDD186	5	125
MDD188	5	230
MDD192	2	115
MDD195	2	230
MDD340	2	115
MDD344	2	230
MDD330	2	115
MDD335	2	230
MDD196	1	300
MDD197	1	350
MDD198	1	400

DISPLAY OFFER

CODE
EXPOSITOR10

EXPOSITORES DE BROCAS SDS S4 E 4X4

SDS "S4" AND "4X4" DRILLS DISPLAYS
DISPLAYS FORETS PERCUSSION SDS-PLUS "S4" ET SDS-PLUS 4X4



Composition 91 pcs + 2 Sets

UN	Measure	Description
10	5 × 110	SDS S4
10	5 × 160	SDS S4
10	6 × 110	SDS S4
10	6 × 160	SDS S4
10	8 × 160	SDS S4
5	8 × 210	SDS S4
5	10 × 160	SDS S4
5	10 × 210	SDS S4
5	12 × 210	SDS S4
5	12 × 260	SDS S4
5	14 × 210	SDS S4
5	14 × 260	SDS S4
2	16 × 210	SDS S4
2	16 × 260	SDS S4
1	18 × 300	SDS S4
1	20 × 300	SDS S4

2 Sets SDS S4 (6 pcs)

Composition 91 pcs + 2 Sets

UN	Measure	Description
10	5 × 110	SDS 4X4
10	5 × 160	SDS 4X4
10	6 × 110	SDS 4X4
10	6 × 160	SDS 4X4
10	8 × 160	SDS 4X4
5	8 × 210	SDS 4X4
5	10 × 160	SDS 4X4
5	10 × 210	SDS 4X4
5	12 × 210	SDS 4X4
5	12 × 260	SDS 4X4
5	14 × 210	SDS 4X4
5	14 × 260	SDS 4X4
2	16 × 210	SDS 4X4
2	16 × 260	SDS 4X4
1	18 × 450	SDS 4X4
1	20 × 450	SDS 4X4

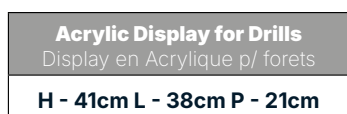
2 Sets SDS 4X4 (6 pcs)

DISPLAY OFFER

CODE

EXPOSITOR09

EMPTY DISPLAYS
DISPLAY VIDE

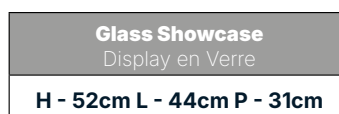


Acrylic Display for Drills

H - 41cm L - 38cm P - 21cm

CODE

MVAZIO2000



Glass Showcase

Display en Verre

H - 52cm L - 44cm P - 31cm

CODE

MVAZIO8001



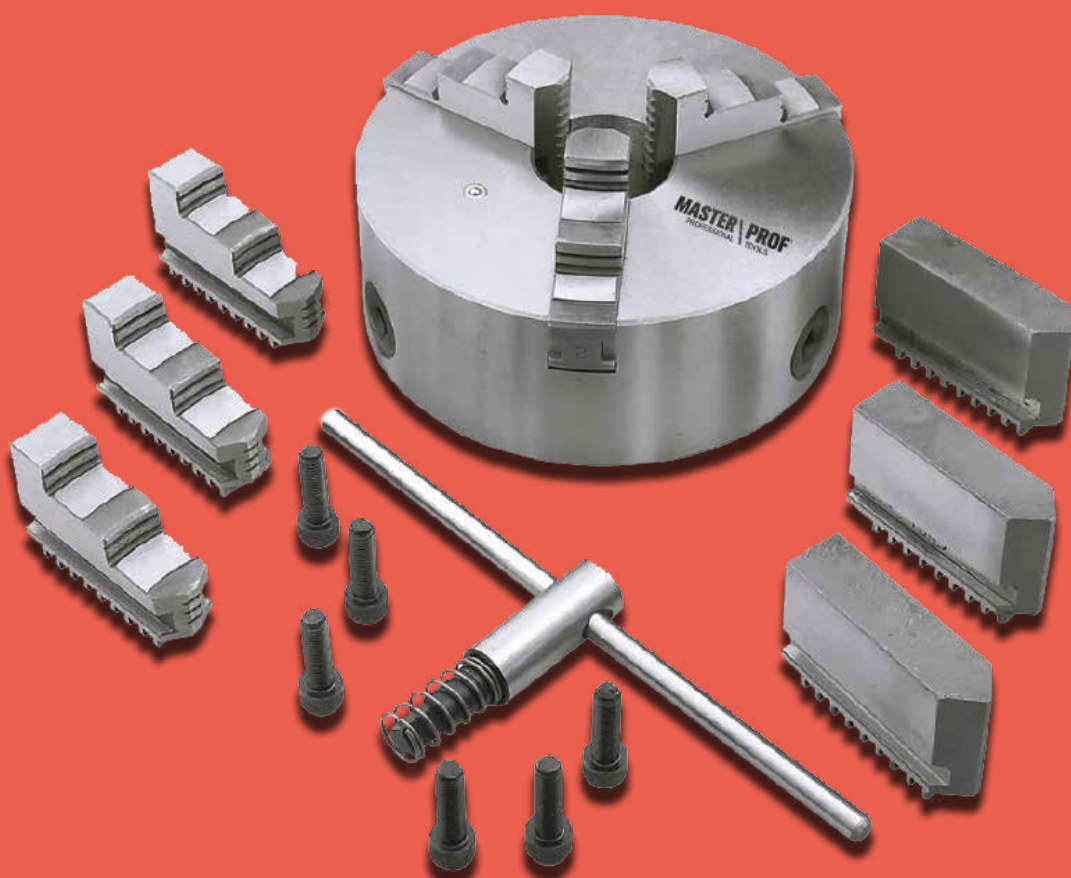
Showoff Display
Display Show Off

H - 227cm L - 105cm P - 61,5cm

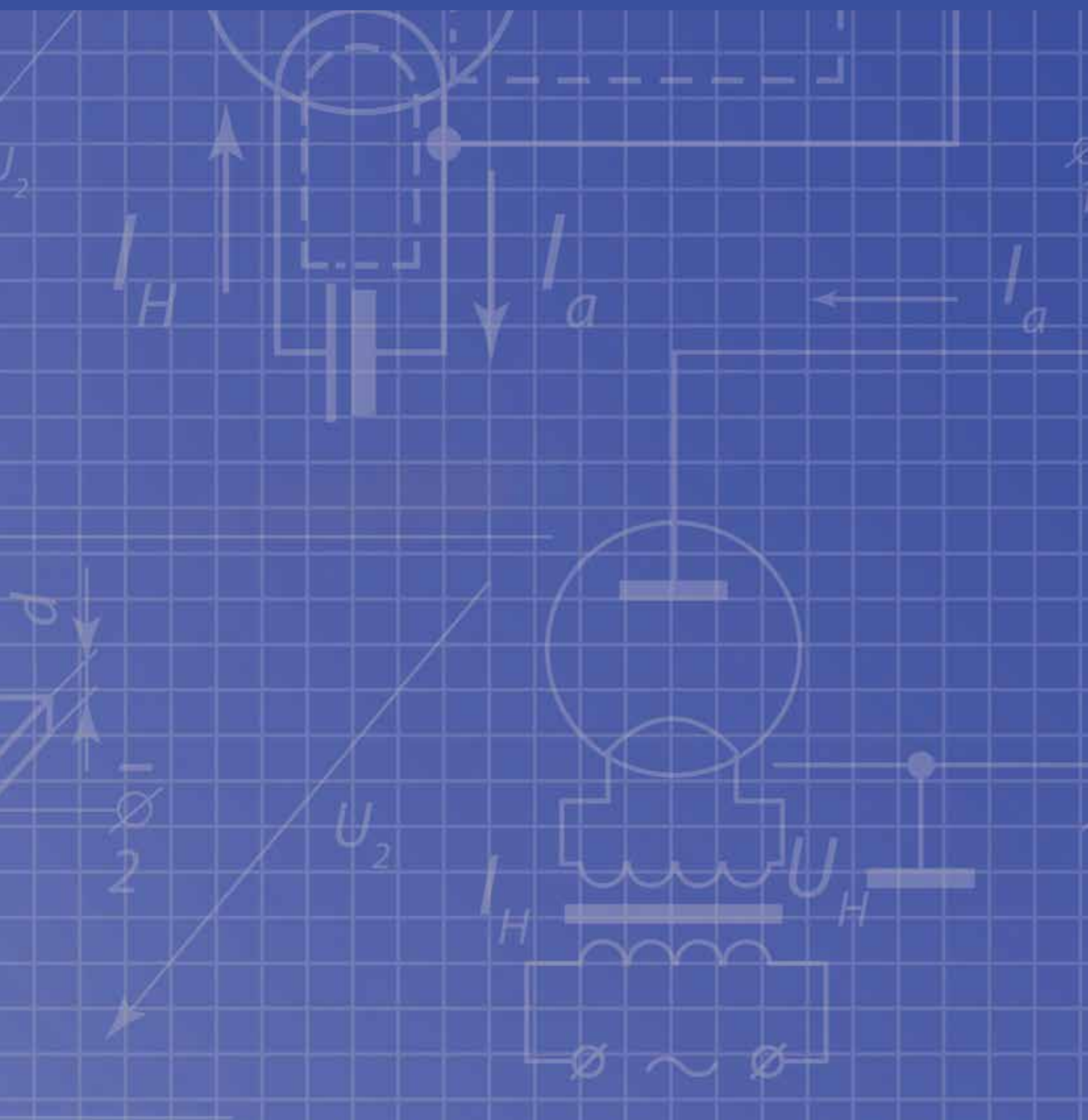
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MVAZIO4000

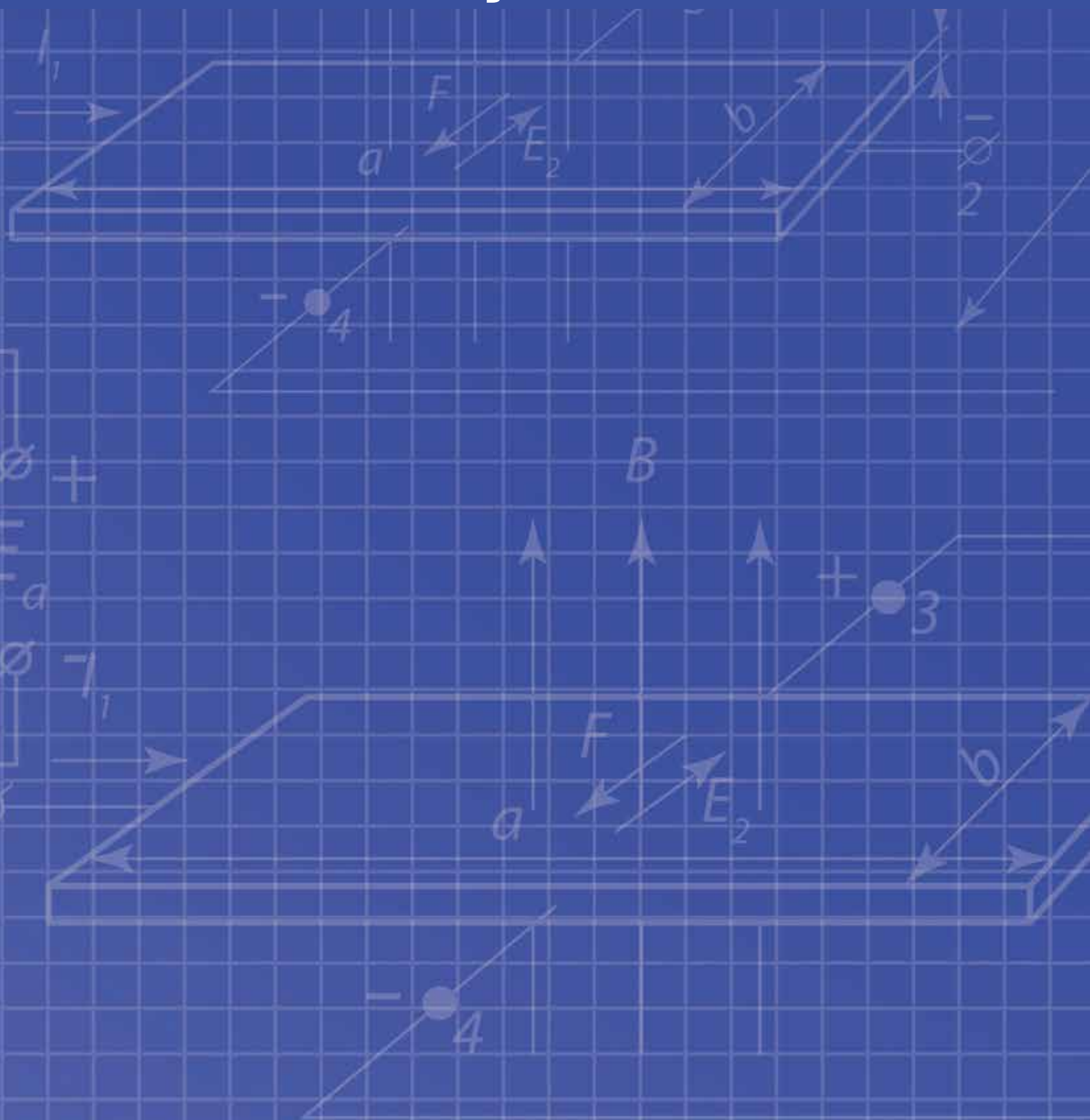
CONSULT US FOR OTHERS ACCESSORIES
NOUS CONSULTER POUR LES AUTRES ACCESSOIRES



TECHNICAL INFORMATION/INFORMATIONS TECHNIQUES



INFORMAÇÃO TÉCNICA



INFORMAÇÃO TÉCNICA

TECHNICAL SHEET
FICHE TECHNIQUE

Drill selection table according to the material to be worked

Tableau de sélection des forets en fonction du matériau à usiner



Material to work	Drill Material	Cut Speed mt / min	Diamond Drill mm						Lubrificant
			2	5	8	12	16	25	
Common Steel	HSS	20 / 25							Cutting Oil Soluble Oil
	HSS-CO	25 / 30	0,05	0,12	0,20	0,25	0,30	0,40	
	Carbide	70 / 80							
Alloy Steel	HSS	10 / 12							Cutting Oil Soluble Oil
	HSS-CO	15 / 18	0,02	0,05	0,08	0,12	0,14	0,18	
	Carbide	30 / 50							
Alloy Steel AL, NI, CR	HSS	10 / 12							Cutting Oil Soluble Oil
	HSS-CO	15 / 18	0,05	0,14	0,18	0,22	0,25	0,40	
	Carbide	30 / 50							
Steel NI, CR, MO	HSS	8 / 10							Cutting Oil Soluble Oil
	HSS-CO	15 / 30	0,02	0,05	0,08	0,12	0,14	0,18	
	M.D.								
Refractory Steel	HSS-CO 8% Carbide Tip	8 / 10 15 / 30	0,03	0,07	0,10	0,16	0,14	0,25	Cutting Oil Soluble Oil
Titanium	HSS-CO 8% Carbide Tip	3 / 6 15 / 30	0,08	0,18	0,25	0,30	0,35	0,40	Cutting Oil
Foundry	HSS	20 / 35							Cutting Oil Dry
	HSS-CO	25 / 30	0,03	0,07	0,10	0,16	0,20	0,25	
	Carbide	40 / 60							
Bronze / Brass	HSS	20 / 35							Cutting Oil Soluble Oil
	HSS-CO	25 / 30	0,02	0,05	0,08	0,12	0,14	0,18	
	Carbide	40 / 100							
Aluminium	HSS	40 / 80	0,05	0,14	0,18	0,22	0,30	0,40	Cutting Oil Soluble Oil
Alluminium Alloy	HSS	30 / 60	0,02	0,05	0,08	0,12	0,14	0,18	Cutting Oil Soluble Oil
Wood	HSS	60 / 90	0,05	0,08	0,14	0,20	0,20	0,30	Dry
Hard Rubber	HSS	40 / 80	0,08	0,18	0,25	0,30	0,35	0,40	Dry

Cutting Speed Conversion Table in R.P.M. according to Drill Diameter

Tableau de conversion de la vitesse de coupe en R.P.M. en fonction du diamètre du foret

Ø	Cutting Speed - mt / min													
	3	4	5	6	8	10	12	15	18	20	25	30	35	40
	R. P. M.													
2	478	637	796	955	1274	1592	1911	2388	2864	3185	3981	4777	5570	6369
3	318	425	531	637	849	1062	1274	1592	1909	2123	2654	3150	3713	4246
4	239	318	398	478	637	796	955	1194	1432	1592	1990	2389	2785	3185
5	191	255	318	382	510	637	764	955	1145	1274	1592	1911	2228	2548
6	159	212	265	318	425	531	637	796	954	1062	1327	1592	1856	2123
8	119	159	199	239	318	398	478	597	716	796	995	1194	1392	1592
10	96	127	159	191	255	318	382	478	572	637	796	955	1114	1274
12	80	106	133	159	212	265	318	398	477	531	663	796	928	1062
14	68	91	114	136	182	227	273	341	409	455	569	682	795	910
16	60	80	100	119	159	199	239	299	358	398	498	597	696	796
18	53	71	88	106	142	170	212	265	318	354	442	531	618	708
20	48	64	80	96	127	159	191	239	286	318	398	478	557	637
22	43	57	72	86	115	144	173	216	260	289	361	433	506	578
24	39	52	66	79	106	132	159	198	238	265	331	397	464	530
27	35	47	58	70	94	117	141	176	211	235	294	353	412	471
30	32	42	53	64	85	106	12	159	190	212	265	318	371	425

HSS - TIN + 20% with refrigeration

N. B. All values provided are indicative

HSS-CO TIALN + 50% a 80% Dry

INFORMAÇÃO TÉCNICA - TABELA DE VELOCIDADE DE CORTE EM R. P. M.

TECHNICAL SHEET - TABLE OF CUTTING SPEED IN RPM

FICHE TECHNIQUE - TABLEAU DES VITESSES DE COUPE EN R.P.M.

Drills for Stone with Carbide Tip

Forets pour Pierre avec Plaquette



	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16
R. P. M.	2.300	2.300	2.000	1.600	1.400	1.300	1.000	800	600
N. B. : Granit and hard stone, reduce speed from 40% to 60%									

Drills "Multi-purpose"

Forets Universel "tout-usage"



Material to Work	Ø4	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16
Stone	2390	1590	1195	955	800	680	600
Plastic	4775	3185	2385	1910	1590	1365	1195
Steel XC (60-80Kg./mm)	1590	1060	800	640	530	455	400
Steel XC13 (90-110Kg./mm)	795	530	400	320	265	225	200
Glass	400	285	220	170	140	125	110
Hard Wood	1590	1060	800	640	530	455	400
Agglomerated Wood	2385	1590	1195	955	795	680	595
N. B. : Working only in rotation, without hammer							

Hole Saws

Scies Trépan



Material to Work	Ø Saw mm. R. P. M.															
	14 to 27	19 to 24	25 to 32	33 to 38	40 to 44	46 to 51	52 to 57	59 to 64	65 to 70	73 to 79	83 to 89	92 to 98	102 to 108	111 to 121	127 to 140	146 to 152
Iron / Soft Steel	550	425	300	250	210	180	160	140	130	115	100	90	80	75	60	55
Treat Steel/ SSTL	275	210	150	125	100	90	80	70	65	55	50	45	40	35	25	25
Copper	365	280	200	165	135	120	105	95	85	75	65	60	55	50	40	35
Brass	730	560	400	330	270	240	210	190	170	150	130	120	110	100	85	75
Aluminium/Light Alloy	825	635	450	375	305	270	240	220	195	170	150	135	120	105	85	75
Wood	900	670	510	390	320	280	250	230	200	180	160	140	130	120	100	95
Plastic	650	500	350	300	250	220	200	170	150	130	120	100	90	80	70	65
Plaster	900	670	510	390	320	250	230	200	180	160	140	130	120	100	95	80
HSS-CO + 20% with refrigeration																

Hammer Cutters with Teeth in Carbide Metal

Fraises à marteau avec dents en Metal Dur



Material to Work	R. P. M. 25 to 45	R. P. M. 45 to 65	R. P. M. 70 to 100	R. P. M. 110 to 130
Concrete / Wall	1.000	900	750	550
Reinforced Cement	800	700	600	400

N. B. All values provided are indicative

INFORMAÇÃO TÉCNICA - TABELA DE VELOCIDADE DE CORTE EM R. P. M.

TECHNICAL SHEET - TABLE OF CUTTING SPEED IN RPM

FICHE TECHNIQUE - TABLEAU DES VITESSES DE COUPE EN R.P.M.

HSS Step Drills

Fraises à gradins HSS



		R. P. M.													
Material to Work		1	2	3	4	5	6	7	8	9	10	21	22	23	24
SSTL	3 to 4 mm	600	600	400	400	280	280	200	160	220	160	340	280	220	220
Construction Steel	3 to 4 mm	950	950	720	720	420	420	340	300	370	280	600	420	370	370
Alloy Steel	3 to 4 mm	1450	1450	1100	1100	630	630	500	470	550	440	900	630	550	550
Plastic	3 to 4 mm	900	900	700	700	400	400	320	300	350	270	550	400	350	350
HSS - TIN + 30% with refrigeration										HSS + TIALN + 50% to 80% Dry					

HSS Hole Cutters

Fraises de perçage HSS rectifiées



		R. P. M.											
Material to Work		12 to 17	18 to 24	25 to 32	33 to 38	39 to 44	46 to 51	52 to 57	58 to 64	65 to 70	71 to 80	81 to 90	91 to 100
SSTL		400	350	280	230	200	180	150	120	100	80	70	60
Construction Steel		300	240	200	160	140	110	90	80	70	60	50	50
Alloy Steel		360	270	230	180	170	150	120	90	80	70	60	50
Plastic		1000	900	700	600	550	500	450	420	380	350	320	300
HSS - TIN + 30% with refrigeration										HSS + TIALN + 50% to 80% Dry			

TCT Hole Cutters with Carbide Teeth

Fraises TCT avec dents en Metal Dur



		R. P. M.						
Material to Work		15 to 20	21 to 25	25 to 30	31 to 40	41 to 50	51 to 70	70 to 100
Alloy Steel		800	600	500	450	380	280	100
SSTL		520	400	330	280	250	180	150
Cooper		1300	1100	950	700	550	380	280

N. B. All values provided are indicative

INFORMAÇÃO TÉCNICA - TABELA DE VELOCIDADE DE CORTE EM R. P. M.

TECHNICAL SHEET - TABLE OF CUTTING SPEED IN RPM

FICHE TECHNIQUE - TABLEAU DES VITESSES DE COUPE EN R.P.M.

HSS Rotary Mills

Fraises Rotatives HSS



Ø mm	Cutting Speed mt. / min.							
	80	100	150	200	220	230	240	250
6	4250	5310	7960	10620	11680	12210	12740	13270
8	3180	3980	5970	7960	8760	9160	9550	9950
10	2550	3180	4780	6370	7010	7320	7640	7960
12	2120	2650	3980	5310	5840	6100	6370	6630
15	1700	2120	3180	4250	4670	4880	5100	5310

Carbide Tipped Rotary Mills

Fraises Rotatives en Carbure



Ø mm	Cutting Speed mt. / min.					
	300	320	340	360	380	400
6	15930	16980	18050	19100	20170	21230
8	11950	12740	13535	14330	15130	15920
10	9550	10190	10830	11465	12100	12740
12	7960	8490	9020	9560	10085	10620
16	5970	6370	6770	7160	7570	7960



HSS Weldon Shank Annular Cutters

Fraises pour Machines à base Électromagnétique en HSS

Ø mm	Steel 700 N/mm	SSTL 1000 N/mm	Cast Iron	Aluminium
12 - 14	730	500	265	730
15 - 17	600	400	215	600
18 - 20	500	335	168	500
21 - 23	430	290	150	430
24 - 26	380	255	130	380
27 - 30	330	220	115	330
31 - 34	290	195	100	290
35 - 40	245	165	85	245
41 - 45	225	146	72	225
46 - 50	195	127	64	195
51 - 55	175	115		175
56 - 60	158	107		158
61 - 65	142	100		142
66 - 70	136	91		136
75 - 80	120	80		120
85 - 90	110	85		110
95 - 100	95	65		95
HSS-CO + 20% with refrigeration				



TCT Weldon Shank Annular Cutters

Fraises pour Machines à Base Électromagnétique

Ø mm	Steel 700 N/mm	SSTL1000 N/mm	Foundry
15 - 20	800	520	670
21 - 25	600	400	500
26 - 30	500	330	425
31 - 40	450	280	320
41 - 50	380	250	270
51 - 70	280	180	200
70 - 100	200	130	150
105 - 120	120	90	100

N. B. All values provided are indicative

INFORMAÇÃO TÉCNICA - TABELA DE VELOCIDADE DE CORTE EM R. P. M.

TECHNICAL SHEET - TABLE OF CUTTING SPEED IN RPM

FICHE TECHNIQUE - TABLEAU DES VITESSES DE COUPE EN R.P.M.



HSS Circular Saws

Scies circulaires HSS

Material to Work	R. P. M.								
	Ø 200	Ø 225	Ø 250	Ø 275	Ø 300	Ø 315	Ø 350	Ø 370	Ø 400
Steel 50 Kg mm	64	56	50	46	42	40	36	34	32
Steel 75 Kg mm	48	42	38	34	32	30	28	26	24
Steel 100 Kg mm	32	28	25	23	21	20	18	17	16
Steel Tube / Profile	80	71	64	58	53	51	45	43	40
Foundry	64	56	50	46	42	40	36	34	32
Stainless Steel	24	21	19	17	16	15	14	13	12
Copper/ Bronze	318	283	255	231	12	202	182	172	159
Brass	637	566	509	463	424	404	364	344	318
Profiles and Allies	2069	1839	1655	1504	1379	1313	1182	1118	1034
Ebonite (Rubber)	95	85	76	69	64	61	55	52	48
PVC and Similar	207	184	166	150	138	131	118	112	103

Carbide Tipped circular saws for aluminium and wood

Scies circulaires à dents pour l'aluminium et le bois

Ø mm	R. P. M. MAX.
200	10 000
250	8 000
300	6 000
350	6 000
400	4 500
450	4 000
500	3 500
550	3 000
600	2 800



Carbide Tipped circular saws for aluminium and wood and its derivatives

Scies circulaires à dents pour l'aluminium, Bois et matériaux à base de bois

Material to Work	m / seg
Soft Wood	60 : 90
Hard Wood	50 : 70
Plywood	60 : 80
Plastic	25 : 60
Aluminium	20 : 30



$$R. P. M. = \frac{V / C \times 1000}{\pi \times \phi}$$

N. B. All values provided are indicative

INFORMAÇÃO TÉCNICA - TABELA DO DIÂMETRO DA BROCA A UTILIZAR EM FUNÇÃO DA MEDIDA DOS MACHOS

TECHNICAL SHEET - TABLE OF DRILL DIAMETER TO BE USED AS A FUNCTION OF THE TAPS MEASUREMENT

FICHE TECHNIQUE - TABLEAU DU DIAMÈTRE DU FORET À UTILISER PAR LA MESURE DU TARAUD

Metric Fine Thread

Filet métrique fin - MF

Ø x Thread mm	Ø Drill mm
2,50 x 0,35	2,20
3,00 x 0,35	2,60
3,50 x 0,35	3,10
4,00 x 0,50	3,50
4,50 x 0,50	4,00
5,00 x 0,50	4,50
5,50 x 0,50	5,00
6,00 x 0,75	5,20
7,00 x 0,75	6,20
8,00 x 0,75	7,20
8,00 x 1,00	7,00
9,00 x 0,75	8,20
9,00 x 1,00	8,00
10,00 x 0,75	9,20
10,00 x 1,00	9,00
10,00 x 1,25	8,80
11,00 x 0,75	10,20
11,00 x 1,00	10,00
12,00 x 1,00	11,00
12,00 x 1,25	10,80
12,00 x 1,50	10,50
14,00 x 1,00	13,00
14,00 x 1,25	12,80
14,00 x 1,50	12,50
15,00 x 1,00	14,00
15,00 x 1,50	13,50
16,00 x 1,00	15,00
16,00 x 1,50	14,50
17,00 x 1,00	16,00
17,00 x 1,50	15,50
18,00 x 1,00	17,00
18,00 x 1,50	16,50
18,00 x 2,00	16,00
20,00 x 1,00	19,00
20,00 x 1,50	18,50
20,00 x 2,00	18,00
22,00 x 1,00	21,00
22,00 x 1,50	20,50
22,00 x 2,00	20,00
24,00 x 1,00	23,00



Ø x Thread mm	Ø Drill mm
24,00 x 1,50	22,50
24,00 x 2,00	22,00
25,00 x 1,00	24,00
25,00 x 1,50	23,50
25,00 x 2,00	23,00
27,00 x 1,00	26,00
27,00 x 1,50	25,50
27,00 x 2,00	25,00
28,00 x 1,00	27,00
28,00 x 1,50	26,50
28,00 x 2,00	26,00
30,00 x 1,00	29,00
30,00 x 1,50	28,50
30,00 x 2,00	28,00
30,00 x 3,00	27,00
32,00 x 1,50	30,50
32,00 x 2,00	30,00
33,00 x 1,50	31,50
33,00 x 2,00	31,00
33,00 x 3,00	30,00
35,00 x 1,50	33,50
36,00 x 1,50	34,50
36,00 x 2,00	34,00
36,00 x 3,00	33,00
39,00 x 1,50	37,50
39,00 x 2,00	37,00
39,00 x 3,00	36,00
40,00 x 1,50	38,50
40,00 x 2,00	38,00
40,00 x 3,00	37,00
42,00 x 1,50	40,50
42,00 x 2,00	40,00
42,00 x 3,00	39,00
45,00 x 1,40	43,50
45,00 x 2,00	43,00
45,00 x 3,00	42,00
48,00 x 1,50	46,50
48,00 x 2,00	46,00
48,00 x 3,00	45,00
50,00 x 1,50	48,50

Metric Thread

Filet métrique - M

Ø x Thread mm	Ø Drill mm
2,00 x 0,40	1,60
2,50 x 0,45	2,05
3,00 x 0,50	2,50
3,50 x 0,60	2,90
4,00 x 0,70	3,30
4,50 x 0,75	3,80
5,00 x 0,80	4,20
6,00 x 1,00	5,00
7,00 x 1,00	6,00
8,00 x 1,25	6,80
9,00 x 1,25	7,80
10,00 x 1,50	8,50
11,00 x 1,50	9,50
12,00 x 1,75	10,20
14,00 x 2,00	12,00
16,00 x 2,00	14,00
18,00 x 2,50	15,50
20,00 x 2,50	17,50
22,00 x 2,50	19,50
24,00 x 3,00	21,00
27,00 x 3,00	24,00
30,00 x 3,50	26,50
33,00 x 3,50	29,50
36,00 x 4,00	32,00
39,00 x 4,00	35,00
42,00 x 4,50	37,50

Rosca BSPT "Gás Cónica"

Filetage BSPT "gaz" conique

Ø x Thread f/1" Inches	Min T1 mm	D1 mm	D2 mm	D3 mm
1/8 x 28	12,00	7,70	7,50	8,57
1/4 x 19	16,50	11,00	10,80	11,44
3/8 x 19	17,50	14,60	14,30	14,95
1/2 x 14	21,50	18,20	17,80	18,63
5/8 x 14	21,50	20,20	19,80	20,59
3/4 x 14	24,00	23,40	22,90	24,12
7/8 x 14	25,50	30,10	26,60	27,87
1" x 11	27,00	30,40	29,10	30,29

N. B. All values provided are indicative

INFORMAÇÃO TÉCNICA - TABELA DO DIÂMETRO DA BROCA A UTILIZAR EM FUNÇÃO DA MEDIDA DOS MACHOS

TECHNICAL SHEET - TABLE OF DRILL DIAMETER TO BE USED AS A FUNCTION OF THE TAPS MEASUREMENT

FICHE TECHNIQUE - TABLEAU DU DIAMÈTRE DU FORET À UTILISER PAR LA MESURE DU TARAUD

BSF Thread

Filetage BSF

Ø x Thread f/1" Inches	Ø Drill mm
3/16 x 32	4,00
7/32 x 28	4,70
1/4 x 26	5,40
9/32 x 26	6,20
5/16 x 22	6,80
3/8 x 20	8,30
7/16 x 18	9,80
1/2 x 16	11,20
9/16 x 16	12,70
5/8 x 14	14,00
11/16 x 14	15,70
3/4 x 12	17,00
13/16 x 12	18,50
7/8 x 11	20,00
1" x 10	23,00
1 1/8 x 9	26,00
1 1/4 x 9	29,00
1 3/8 x 8	32,00
1 1/2 x 8	35,00
1 5/8 x 8	38,00
1 3/4 x 7	40,50
2" x 7	47,00
2 1/4 x 6	52,50
2 1/2 x 6	59,00

BSW "Whitworth" Thread

Filetage BSW "Whitworth"

Ø x Thread f/1" Inches	Ø Drill mm
1/8 x 40	2,60
5/32 x 32	3,10
3/16 x 24	3,60
7/32 x 24	4,40
1/4 x 20	5,10
5/16 x 18	6,50
3/8 x 16	7,90
7/16 x 14	9,30
1/2 x 12	10,50
9/16 x 12	12,00
5/8 x 11	13,50
3/4 x 10	16,50
7/8 x 9	19,25
1" x 8	22,00
1 1/8 x 7	24,75
1 1/4 x 7	27,75
1 3/8 x 6	30,50
1 1/2 x 6	33,50
1 5/8 x 5	35,50
1 3/4 x 5	39,00
1 7/8 x 4,5	41,50
2" x 4,5	44,50
2 1/4 x 4	50,00
2 1/2 x 4	56,50

BSP "Gás" Thread

Filetage BSP "Gás"

Ø x Thread f/1" Inches	Ø Drill mm
1/8 x 28	8,80
1/4 x 19	11,80
3/8 x 19	15,25
1/2 x 14	19,00
5/8 x 14	21,60
3/4 x 14	24,50
7/8 x 14	28,25
1" x 11	30,75
1 1/8 x 11	35,50
1 1/4 x 11	39,50
1 3/8 x 11	42,00
1 1/2 x 11	45,50
1 5/8 x 11	49,60
1 3/4 x 11	51,40
2" x 11	57,20
2 1/4 x 11	63,30
2 3/8 x 11	67,00
2 1/2 x 11	72,80
2 3/4 x 11	79,10
3" x 11	85,50
3 1/4 x 11	91,50
3 1/2 x 11	98,00
3 3/4 x 11	104,00
4" x 11	110,50

UNC Thread

Filetage UNC

Ø x Thread f/1" Inches	Ø Drill mm
Nr 1 x 64	1,50
Nr 2 x 56	1,80
Nr 3 x 48	2,10
Nr 4 x 40	2,30
Nr 5 x 40	2,60
Nr 6 x 32	2,80
Nr 7 x 32	3,50
Nr 10 x 24	3,90
Nr 12 x 24	4,50
1/4 x 20	5,20
5/16 x 18	6,60
3/8 x 16	8,00
7/16 x 14	9,40
1/2 x 13	10,75
9/16 x 12	12,25
5/8 x 11	13,50
3/4 x 10	16,50
7/8 x 9	19,50
1" x 8	22,25
1 1/8 x 7	25,00
1 1/4 x 7	28,25
1 3/8 x 6	30,75
1 1/2 x 6	34,00
1 3/4 x 5	39,50
2" x 4 1/2	45,25
2 1/4 x 4 1/2	51,50
2 1/2 x 4 1/2	57,25

NPT Thread

Filetage NPT

Ø x Thread f/1" Inches	Min T1 mm	D1 mm	D2 mm	D3 mm
1/16 x 27	12,00	6,20	6,00	6,39
1/8 x 27	12,00	8,50	8,30	8,74
1/4 x 18	17,50	11,00	10,70	11,36
3/8 x 18	17,60	14,50	14,20	14,80
1/2 x 14	22,90	17,80	17,40	18,32
3/4 x 14	23,00	23,00	22,50	23,67
1" x 11,5	27,40	29,00	28,50	29,69
1 1/4 x 11,5	28,00	28,00	37,50	38,45
1 1/2 x 11,5	28,40	28,40	44,00	44,52
2" x 11,5	28,00	28,00	56,00	56,56
2 1/2 x 8	40,80	66,50	66,00	67,62
3" x 8	43,00	43,00	82,50	83,53
3 1/2 x 8	44,50	44,50	95,00	96,24
4" x 8	45,50	107,70	107,20	108,89



N. B. All values provided are indicative

INFORMAÇÃO TÉCNICA - TABELA DO DIÂMETRO DA BROCA A UTILIZAR EM RELAÇÃO ÀS DIMENSÕES DA ROSCA A REPARAR

TECHNICAL SHEET - DRILL DIAMETER CHART TO USE IN RELATION TO THREAD DIMENSIONS TO REPAIR

FICHE TECHNIQUE - TABLEAU DES DIAMÈTRES DE FORAGE À UTILISER PAR RAPPORT AUX DIMENSIONS DE FILETAGE

Metric and Metric Fine Threads

Filetage Métrique et Métrique Fin

Ø Thread mm			Ø Drill mm
M 2	x	0,40	2,10
M 2,2	x	0,45	2,30
M 2,5	x	0,45	2,60
M 3	x	0,50	3,20
M 3,5	x	0,60	3,70
M 4	x	0,70	4,20
M 5	x	0,80	5,20
M 6	x	1,00	6,30
M 7	x	1,00	7,30
M 8	x	1,25	8,30
M 8	x	1,00	8,30
M 9	x	1,25	9,30
M 10	x	1,50	10,40
M 10	x	1,25	10,30
M 10	x	1,00	10,30
M 11	x	1,50	11,40
M 12	x	1,75	12,40
M 12	x	1,50	12,40
M 12	x	1,25	12,30
M 12	x	1,00	12,30
M 14	x	2,00	14,50
M 14	x	1,50	14,40
M 14	x	1,25	14,40
M 14	x	1,00	14,30
M 16	x	2,00	16,50
M 16	x	1,50	16,40
M 18	x	2,50	18,60
M 18	x	2,00	18,50
M 18	x	1,50	18,50
M 20	x	2,50	20,60
M 20	x	2,00	20,50
M 20	x	1,50	20,50
M 22	x	2,50	22,60
M 22	x	2,00	22,50
M 22	x	1,50	22,50
M 24	x	3,00	24,75
M 24	x	2,00	24,50
M 24	x	1,50	24,50
M 26	x	1,50	26,50
M 27	x	3,00	27,75
M 27	x	2,00	27,50
M 27	x	1,50	27,50
M 28	x	1,50	28,50
M 30	x	3,50	31,00
M 30	x	2,00	30,50
M 30	x	1,50	30,50
M 33	x	3,50	34,00
M 33	x	2,00	33,50
M 36	x	4,00	37,00
M 36	x	3,00	37,00
M 36	x	2,00	36,50
M 36	x	1,50	36,50



UNF Thread

Filetage UNF

Ø Thread mm			Ø Drill mm
8	x	36	4,40
10	x	32	5,10
1/4	x	28	6,60
5/16	x	24	8,20
3/8	x	24	9,80
7/16	x	20	11,50
1/2	x	20	13,00
9/16	x	18	14,80
5/8	x	18	16,25
3/4	x	16	19,50
7/8	x	14	22,75
1"	x	12	26,00
1 1/8"	x	12	29,00
1 1/4"	x	12	32,50
1 1/2"	x	12	38,50

BSF Thread

Filetage BSF

Ø Thread mm			Ø Drill mm
3/16	x	32	5,00
1/4	x	26	6,60
5/16	x	22	8,30
3/8	x	20	9,90
7/16	x	18	11,60
1/2	x	16	13,00
9/16	x	16	14,80
5/8	x	14	16,40
3/4	x	12	19,50
7/8	x	11	22,70
1"	x	10	26,50

N. B. All values provided are indicative

INFORMAÇÃO TÉCNICA - TABELA DO DIÂMETRO DA BROCA A UTILIZAR EM RELAÇÃO ÀS DIMENSÕES DA ROSCA A REPARAR

TECHNICAL SHEET - DRILL DIAMETER CHART TO USE IN RELATION TO THREAD DIMENSIONS TO REPAIR

FICHE TECHNIQUE - TABLEAU DES DIAMÈTRES DE FORAGE À UTILISER PAR RAPPORT AUX DIMENSIONS DE FILETAGE

BSP Thread

Filetage BSP

Ø Thread mm			Ø Drill mm
1/8	x	28	10,00
1/4	x	19	13,60
3/8	x	19	17,10
1/2	x	14	21,50
5/8	x	14	23,40
3/4	x	14	27,00
7/8	x	14	30,60
1"	x	11	33,70



UNC Thread

Filetage UNC

Ø Thread mm			Ø Drill mm
8	x	32	4,40
10	x	24	5,10
12	x	24	5,70
1/4	x	20	6,70
5/16	x	18	8,30
3/8	x	16	9,90
7/16	x	14	11,60
1/2	x	13	13,00
9/16	x	12	14,80
5/8	x	11	16,50
3/4	x	10	19,75
7/8	x	9	23,00
1"	x	8	26,25
1 1/8	x	7	29,50
1 1/4	x	7	33,00
1 1/2	x	6	39,50

BSW Thread

Filetage BSW

Ø Thread mm			Ø Drill mm
1/8	x	40	3,40
3/16	x	24	5,10
1/4	x	20	6,70
5/16	x	18	8,30
3/8	x	16	9,90
7/16	x	14	11,60
1/2	x	12	13,00
9/16	x	12	14,80
5/8	x	11	16,70
3/4	x	10	20,00
7/8	x	9	23,00
1"	x	8	26,50

N. B. All values provided are indicative