

CATALOGO
GENERAL CATALOGUE

GENERALE
CATALOGUE GÉNÉRAL



FABBRICA UTENSILI PROFESSIONALI HSS E HM
PRO TOOLS MANUFACTURER

world leaders in cutting tools technology

**INDUSTRIA - UTENSILERIA - EDILIZIA / INDUSTRY - TOOLING - BUILDING
INDUSTRIE - OUTILLAGE - BATIMENT**



MADE IN ITALY



INDUSTRIA 4.0

2019

 IT

Da oltre 30 anni sul mercato dell'utensileria da taglio, la Martin offre oggi una gamma completa di prodotti in grado di lavorare su qualsiasi materiale garantendo elevate prestazioni anche per i professionisti più esperti. La Martin è nata come produttrice di dischi HSS per troncatrici lente e poi successivamente di frese a tazza HSS e HM, affermando il proprio marchio in tutta Italia, scegliendo la ricerca qualitativa e l'orientamento verso nicchie di mercato che altri competitors commerciali non potevano soddisfare.

La Martin ha scelto nell'ultimo decennio di perseguire la "filosofia aziendale della qualità" distinguendosi sul mercato e offrendo un prodotto di fascia superiore partendo da materie prime quali acciai HSS Bohler e metallo duro CERATIZIT.

La Martin è lieta di porre al servizio dei propri clienti le proprie idee, la professionalità, la forza e lo spirito di squadra: qualità che le hanno permesso di affrontare il proprio marchio simbolo di qualità di prodotto e innovazione.

 EN

For more than 30 years on the cutting tool market, Martin offers a complete range of products able to work on any materials, guaranteeing high performance even for the most experienced professionals.

Martin was created as a manufacturer of HSS discs for slow cutting machines and then later of HSS and HM Hole cutters, affirming his brand throughout Italy.

The choice of qualitative research has oriented Martin towards market niches that other competitors could not meet.

In the last decade, Martin has chosen to pursue the "quality features", distinguishing himself on the market and offering a superior product starting from raw materials such as HSS Bohler steels and Ceratizit hard metal.

Martin is pleased to put his ideas, professionalism, strength and team spirit at the service of his customers: quality that has allowed it to face his own brand symbol of product quality and innovation.

 FR

Martin outils coupants a démarré en tant que fabricant de disques HSS pour les machines à découpe lente. La fabrication de trépan HSS et à pastilles carbure a démarré progressivement et la marque MARTIN s'est affirmé au fil du temps comme le leader ITALIEN.

Le choix d'une fabrication de qualité fait par Martin dès l'origine a permis à la société d'être présent sur des marchés sur lesquels les concurrents négociants en outils de coupe ne pouvaient pas répondre.

Au cours de la dernière décennie MARTIN a poursuivi sa philosophie de la qualité se distinguant sur le marché en fabricant un produit de qualité supérieur réalisé à partir de matières premières reconnues comme les aciers HSS BOLHER et le métal dur CERATIZIT.

MARTIN est heureux de mettre ses idées, son savoir faire de fabricant et le professionnalisme de ses équipes au service de ses clients pour poursuivre ensemble la mise au point de produits innovant.

page 008 - 016



/ FRESE A TAZZA HSS+CO8% / HSS+CO8% HOLE CUTTERS / TREPANS HSS+CO8%

/ PERFECTA
/ MARTIN-X
/ MARTIN-X TIN

cod. PF
cod. MTX
cod. MTXTIN

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/ FRESE A CORONA HSS E TCT - MC MAGNETICHE / HSS AND CARBIDE TIPPED ANNULAR CUTTERS - MAGNETIC MC / FRAISES A CAROTTERS HSS ET A DENTS CARBURE - MC MAGNETIQUE

/ EXTREME HSS
/ HSS BASIC
/ HSS GOLD WELDON 30 - 55
/ HSS GOLD WELDON 80 - 110
/ HSS GOLD QUICK-IN - FEIN
/ EXTREME TCT
/ TCT WELDON 40-55
/ TCT WELDON 80-110-150
/ TCT QUICK-IN - FEIN

cod. EX
cod. EXS - EXSL
cod. EXG - EXGL
cod. EXG8 - EXGXL
cod. EXGQ
cod. EXT
cod. EXT - EXTL
cod. EXT8L - EXTXL - EXTXXL
cod. EXTQ - EXTQL

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/ TRAPANI MAGNETICI / MAGNETIC DRILLS / PERCEUSES MAGNÉTIQUES

/ OPTIBHOR

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/ FRESE A TAZZA HM / CARBIDE TIPPED HOLE CUTTERS / TRÉPANS À DENTS CARBURE

/ OPTIMA
/ BRAVO

cod. OP - OPL
cod. BR

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/ SEGHE A TAZZA BIMETALLICHE HSS E HSSCO8% / HSS E HSSCO8% BIMETAL HOLE SAWS / SCIES CLOCHE BIMETAL HSS E HSSCO8%

/ RINGO
/ RINGO COBALTO

cod. RI
cod. RIC

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/ SVASATORI / COUNTERSINKS / FRAISE À CHANFREINER

/ ROTAX FAST CUT
/ 3T HM ASYMMETRICAL 90° DIN 335C
/ 3T HSSCO8% ASYMMETRICAL 90° DIN 335C
/ 3T/3D HSS CO5% 90° 60° DIN 335C
/ 3T/3D HSS 90° WELDON
/ DIAMOND 90°
/ KOMBI

cod. SV
cod. SVAHM
cod. SVAC/SVACT
cod. SV-SVL
cod. SVW
cod. SVD
cod. KOMBI

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/ ALLARGAFORI A GRADINO HSS-CONICI / HSS STEP - TAPER DRILLS / FORETS ETAGES - CONIQUE EN HSS

/ SIRIO
/ SIRIO TIALN
/ RAIDER
/ GRINTA

cod. SIS
cod. SIØTIALN
cod. RA
cod. GR

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FRESE ROTATIVE HSS - HM / HSS AND CARBIDE BURRS / FRAISES ROTATIVE EN HSS ET CARBURE

/ HSS
/ HM

cod. 501/2...
cod. TCA/AS-B-C-D-E-F - G-H-I-L

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/ PUNTE ELICOIDALI HSS - HSS CO - HM / HSS - HSS CO CARBIDE TIIPPED DRILLS / FORETS HSS, HSS CO ET A PLAQUETTE

/ HSS+CO5% DIN 338 STAR PRO
/ HSS+MO5% DIN 338 STAR PRO
/ HSS+MO5% DIN 1869 1.2.3 EXTRA L.
/ HSS+CO8% DIN 338
/ HSS DIN 338 TOP
/ HSS DIN 340 TOP L.
/ HSS DIN 1897 TOP E.C.
/ HSS DIN 338
/ HSS DIN 338
/ HSS DIN 340 PRO-LINE
/ HSS DIN 340 L.
/ HSS DIN 1897 E.C.
/ HSS DIN 1869 1.2.3 E. L.
/ HSS DIN 338 CODOLO RIDOTTO
/ HSS DIN345 CONO MORSE
/ HM DIN 338

cod. PUEXC
cod. PUEX
cod. PUEXL
cod. PUNECC
cod. PUNTOP
cod. PUNTOPL
cod. PUNTOPXC
cod. PUNELIC
cod. PUEL
cod. PU/L
cod. PUNELICL
cod. PUNELICXC
cod. PUNELICX
cod. PUNELICR
cod. PUNELICK
cod. PHM-PHMT-PHMTS

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/ INSERTI / INSERT BITS / EMBOUT DE VIS

cod. MIPZD - MITG - MITX - MIPH - MIES - MPIAR - MIPIMG - MPIAR - MIS

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/ MASCHI - FILIERE / TAP - DIES / TARAUD - FILIERES

/ MASCHI / TAP /TARAUD
/ FILIERE/ DIES/ FILIERES

cod. MM - MMT - MMF - MUNCN - MG - MMX - MNF
MN - MNG - MW - MWPR - MW -MWPR
cod. FM - FG - FUN - FH

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/ SEGHE CIRCOLARI HSS - HSSC5 / HSS - HSSC5 SAW BLADES / SCIES CIRCULAIRES EN HSS - HSSC5

/ MARVEL
/ MARVEL INOX

cod. ML
cod. MX - TCX

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/ SEGHE LAME A NASTRO E SEGHETTI MANUALI CO8% / BANDSAWS BLADE AND CO8% HAND SAW BLADE / SCIES RUBAN ET LAME DE SCIE A MAIN CO8%

/ PROFLEX-CUT
/ SUPERFLEX

cod. NSBB
cod. SF

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/ CORONE ROTOPERCUSSIONE / HAMMER CORE DRILLS / TREPANS BETON

/ ERCOLE PLUS cod. ER
/ ERCOLE MAX cod. ERX
/ MIRAGE cod. MGP
ERCOLE MAX FILETTO cod. ERXS

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/ SEGHE A TAZZA PER MURO A ROTAZIONE / ROTARY MASONRY HOLE SAWS / TREPANS POUR MUR À ROTATION

/ COBRA cod. CBO

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/ SEGHE A TAZZA IN DIAMANTE / HOLE SAWS DIAMOND COATED / TREPANS A DIAMOND

/ MARTIN DIAMANT cod. MD

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/ FORETTI DIAMANTATI PER GRES PORCELLANATO / CERAMIC HOLE SAWS / TREPANS POUR LE CARRELAGES

/ PROGRES A UMIDO - AVEC ARROSAGE - WITH LUBRICATION cod. PG
/ PROGRES A SECCO - À SEC - DRY USING cod. PGS
/ PROGRES M14 A SECCO - À SEC - DRY USING cod. PGM

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/ CAROTATORI DIAMANTATI / COURONNES DIAMANTES / DIAMOND CORE DRILLS

/ TITAN G 150 - 200 cod. TTG
/ TITAN G 300 cod. TTG300
/ TITAN PREMIUM 450 cod. TTPR

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/ PUNTE MURO - GRANITO - VETRO / FORETS BETON - GRANIT - VERRE / MASONRY DRILLS - GRANITE - GLASS

/ PUNTE PER MARTELLI SDS PLUS - MAX / FORETS SDS PLUS - MAX POUR MARTEAUX / SDS PLUS AND MAX HAMMER DRILLS

/ PUNTE ELICOIDALI PERCUSSIONE / FORETS A PERCUSSION / PERCUSSION DRILLS cod. PUNPERC
/ PUNTE ELICOIDALI ROTAZIONE PREMIUM C / A ROTATION / ROTARY DRILLS cod. PUNPREM- C
/ PUNTE ELICOIDALI ASIMMETRICHE PGRS / FORETS HELICOIDEAUX ASYMMETRIQUES / ASYMMETRIC DRILLS cod. PGRS
/ PUNTE PER VETRO / FORETS POR LE VERRE / GLASS DRILLS cod. PUNVETRO
/ PUNTE ELIC. PERCUSSIONE SDS PLUS cod. SDSPL
/ PUNTE SDS PLUS - 4S cod. SDS4S
/ PUNTE SDS PLUS - 4S cod. SDSPL4T
/ PUNTE SDS PLUS - 4S cod. SDSMX
/ PUNTE SDS MAX 4T cod. SDSMX4T

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/ SEGHE A TAZZA HM LEGNO / WOOD HOLE SAWS / TREPANS POR LE BOIS
PUNTE ELICOIDALI LEGNO / WOOD DRILLS / FORETS POUR BOIS

/ MADERA PLUS cod. MDP
/ PUNTE ELICOIDALI NORMALI cod. PUNELW
/ PUNTE ELICOIDALI LUNGHE cod. PUNELWL
/ PUNTE ELICOIDALI LEWIS cod. PUNLEWIS - PUNLEWISXL

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/ ESPOSITORI MULTIPLI / PRESENTOIRS / DISPLAYERS

/ VETRINA 4/6
/ VETRINA ID 74

**UTENSILERIA
TOOLING
OUTILLAGE**



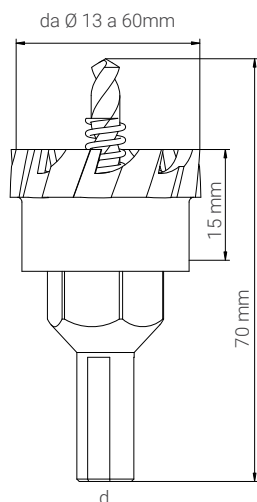
/ IT

UTENSILERIA / FRESE A TAZZA HSS+CO8% /
PERFECTA

/ EN

TOOLING / HSS+CO8% HOLE CUTTERS /
PERFECTA

/ FR

OUTILLAGE / TREPANS HSS+CO8% /
PERFECTA

FRESE A TAZZA IN ACCIAIO SUPER RAPIDO AL CO8% con scarichi radiali e denti a doppia spoglia. Eccellente utensile, specifico per la foratura di tutti gli acciai inossidabili austenitici e martensitici, alto legati, ghisa, Ni Cr Mo.

- Spessore massimo di foratura 15 mm
- Durezza elevata fino 67 HRC
- Esclusiva geometria e affilatura, fresa autocentrante e senza vibrazioni
- Ridotta coppia torcente e assiale, facile penetrazione
- Unica fresa a tazza prodotta in Co8%.
- Completa di albero e punta.

HSS CO8% HOLE CUTTER with double relief on every tooth. Special feature for Stainless steel and hard ferrous materials.

- Maximum cutting depth 15 mm
- Hardness 67 HRC
- Less working temperature
- Easier and faster work on hard and high alloyed materials
- Longer life in comparison to all cutters on the market. Only one HSS Co8% manufactured
- With arbor and center drill

TRÉPAN HSS CO8% avec une géométrie à double dépouille sur chaque dent ce qui fait de cet outil l'un des plus performants sur INOX, les aciers durs et difficiles à usiner.

- Epaisseur de perçage 15 mm – special INOX
- Dureté 67 HRC
- Brise et décharge le copeau
- Réduit la température de travail et la torsion
- Augmente la vie du trépan fraise car il s'agit de l'unique Trépans fabriqués en HSS Co8%
- Avec arbre et foret

cod.	Ø mm	codolo / shank / queue d	filetto / thread / filet
PF013000	13	10	12x1,25
PF014000	14	10	12x1,25
PF015000	15	10	12x1,25
PF016000	16	10	12x1,25
PF017000	17	10	12x1,25
PF018000	18	10	12x1,25
PF019000	19	10	12x1,25
PF020000	20	10	12x1,25
PF021000	21	10	12x1,25
PF022000	22	10	12x1,25
PF023000	23	10	12x1,25
PF024000	24	10	12x1,25
PF025000	25	10	12x1,25
PF026000	26	10	12x1,25
PF027000	27	10	12x1,25
PF028000	28	10	12x1,25
PF030000	30	12	16x1,25

cod.	Ø mm	codolo / shank / queue d	filetto / thread / filet
PF032000	32	12	16x1,25
PF033000	33	12	16x1,25
PF034000	34	12	16x1,25
PF035000	35	12	16x1,25
PF038000	38	12	16x1,25
PF040000	40	12	16x1,25
PF042000	42	12	16x1,25
PF045000	45	12	16x1,25
PF048000	48	12	16x1,25
PF050000	50	12	16x1,25
PF052000	52	12	16x1,25
PF055000	55	12	16x1,25
PF060000	60	12	16x1,25

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMANDÉE - RPM

Obligatoire bonne lubrification

Ø mm	lamiera / ferro / acciaio / bronzo / rame sheet m / steel / bronze / copper feuille / fer / acier / bronze / cuivre	inox stainless inox	ottone brass laiton
15	640	320	1280
20	480	240	960
25	380	190	760
30	320	160	640
35	270	135	540
40	240	120	480
45	210	105	420
50	190	95	380
55	175	85	350
60	160	80	320

Si ricorda che l'eccessiva velocità di rotazione è sempre motivo di guasti / Remember that excessive rotation speed is always a cause of failure / N'oubliez pas qu'une vitesse de rotation excessive est toujours une cause d'échec

UTILIZZO

- Per forare spessori maggiori di 7-8 mm con diametri superiori a 30 mm si raccomanda l'uso di trapani a colonna
- Composizione dell'acciaio HSS Co8%: C1, 08-Cr3,80- Mo9,40- W1,50- Co8,00- V1,20

USE

- To drill thickness higher 7-8 mm with diameters than 30 mm it's recommended using of stationary machines
- High speed Steel Co8% composition: C1, 08-Cr3,80- Mo9,40- W1,50- Co8,00- V1,20

UTILISATION

- Pour percer épaisseurs 7-8 mm avec un diamètre supérieurs à 30 mm il est recommandé l'utilisation d'une perceuse à colonne
- Composition de l'acier HSS Co8% : C1, 08-Cr3,80- Mo9,40- W1,50- Co8,00- V1,20

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. PFALB010

albero / arbor / arbre

10 mm + PUN056



cod. PFALB012

albero / arbor / arbre

12 mm + PUN056



cod. PUN056

punta pilota + molla / center drill + spring / foret + ressort

6x56 mm

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. PFESP015

PF 15 pcs

Ø 20-22-25-27-30-32-35-38-40-42-45-50-52-55-60



cod. PFESP027

PF 27 pcs

Ø 13-14-15-16-17-18-19-20-21-22-23-25-26-27-28-30-32-35-38-40-42-45-48-50-52-55-60

/ IT

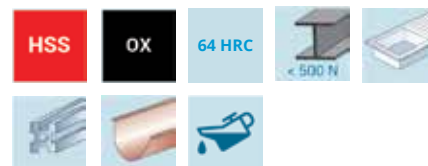
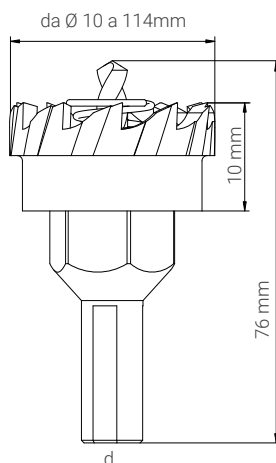
UTENSILERIA / FRESE A TAZZA HSS /
MARTIN X

/ EN

TOOLING / HSS HOLE CUTTERS / MARTIN X

/ FR

OUTILLAGE / TREPANS HSS / MARTIN X



FRESE A TAZZA HSS Nuova geometria di taglio, nuovo profilo dello scarico laterale per aumentare le prestazioni e qualità di foratura, ridurre le vibrazioni e le forze assiali e radiali

- Spessore massimo di foratura fino a 10 mm
- Durezza 64/65HRC
- Acciaio HSS S 600 (M2) Bohler C 0,9 Cr 4,1 Mo 5,0 V1.80, W 6,4
- Dente diviso in due sezioni per una immediata centratura e penetrazione
- Maggior velocità e precisione di foratura
- Maggior durata dell'utensile
- Trattamento termico sottovuoto, vaporizzato

HSS HOLE CUTTER The new design of the tooth with a sectioned relief that increase the evacuation of the chips in comparison to all the other cutters.

- 10 mm of cutting depth
- Hardness 64/65HRC
- HSS S 600 (M2) Bohler C 0,9 Cr 4,1 Mo 5,0 V1.80, W 6,4
- Tooth with 2 secteurs self-centering
- Fast and accuracy in drilling
- Long life tool
- Under-vacuum heat treatment

TREPAN HSS Nouveau design avec une dépouille qui augmente de 30% l'évacuation des copeaux par rapport a tous les autres trepan HSS.

- Epaisseur de perçage maximum 10 mm
- Dureté 64/65 HRC
- Acier HSS S 600 (M2) Bohler C 0,9 Cr 4,1 Mo 5,0, V1.80, W 6,4
- Dent divisée en 2 parties pour se centrer vite et précision de perçage
- Longue durée de vie
- Traitement thermique sous vide et anti-grip-page

cod.	Ø mm	codolo / shank / queue	filetto / thread / filet
MTX010000	10	INTEGRALE	-
MTX012000	12	INTEGRALE	-
MTX013000	13	INTEGRALE	-
MTX014000	14	INTEGRALE	-
MTX015000	15	10mm	M12x1,25
MTX016000	16	10mm	M12x1,25
MTX017000	17	10mm	M12x1,25
MTX018000	18	10mm	M12x1,25
MTX019000	19	10mm	M12x1,25
MTX020000	20	10mm	M12x1,25
MTX021000	21	10mm	M12x1,25
MTX022000	22	10mm	M12x1,25
MTX023000	23	10mm	M12x1,25
MTX024000	24	10mm	M12x1,25
MTX025000	25	10mm	M12x1,25
MTX026000	26	10mm	M12x1,25
MTX027000	27	10mm	M12x1,25
MTX028000	28	10mm	M12x1,25
MTX029000	29	10mm	M12x1,25
MTX030000	30	10mm	M12x1,25

cod.	Ø mm	codolo / shank / queue	filetto / thread / filet
MTX031000	31	10mm	M12x1,25
MTX032000	32	10mm	M12x1,25
MTX033000	33	10mm	M12x1,25
MTX034000	34	10mm	M12x1,25
MTX035000	35	10mm	M12x1,25
MTX036000	36	10mm	M12x1,25
MTX037000	37	10mm	M12x1,25
MTX038000	38	10mm	M12x1,25
MTX039000	39	10mm	M12x1,25
MTX040000	40	13mm	M16X1,25
MTX041000	41	13mm	M16X1,25
MTX042000	42	13mm	M16X1,25
MTX043000	43	13mm	M16X1,25
MTX044000	44	13mm	M16X1,25
MTX045000	45	13mm	M16X1,25
MTX046000	46	13mm	M16X1,25
MTX047000	47	13mm	M16X1,25
MTX048000	48	13mm	M16X1,25
MTX049000	49	13mm	M16X1,25
MTX050000	50	13mm	M16X1,25
MTX051000	51	13mm	M16X1,25
MTX052000	52	13mm	M16X1,25
MTX054000	54	13mm	M16X1,25
MTX055000	55	13mm	M16X1,25
MTX060000	60	13mm	M16X1,25
MTX061000	61	13mm	M16X1,25
MTX062000	62	13mm	M16X1,25
MTX064000	64	13mm	M16X1,25
MTX065000	65	13mm	M16X1,25
MTX068000	68	13mm	M16X1,25
MTX070000	70	13mm	M16X1,25
MTX075000	75	13mm	M16X1,25
MTX080000	80	13mm	M16X1,25
MTX083000	83	13mm	M16X1,25
MTX085000	85	13mm	M16X1,25
MTX090000	90	13mm	M16X1,25
MTX095000	95	13mm	M16X1,25
MTX100000	100	13mm	M16X1,25
MTX114000	114	13mm	M16X1,25

Con albero e punta / with arbor and center drill / avec arbre et foret
 Ø superiori a richiesta - other Ø on demand - autres Ø sur demand

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMANDÉE - RPM

Obligatoire bonne lubrification

Ø mm	lamiera / ferro / acciaio / rame sheet m / steel / bronze / copper Tole / fer / acier / bronze / cuivre	alluminio aluminum aluminium	ottone brass laiton
10-15	630	1900	1260
15-20	400	1500	900
20-29	320	1000	640
30-40	200	700	440
41-50	150	450	300

Ø mm	lamiera / ferro / acciaio / rame sheet m / steel / bronze / copper Tole / fer / acier / bronze / cuivre	alluminio aluminum aluminium	ottone brass laiton
51-60	120	320	210
61-70	100	250	160
71-80	85	220	140
81-90	70	200	120
91-100	60	170	100
101-115	40	130	60

Si ricorda che l'eccessiva velocità di rotazione è sempre motivo di guasti / Remember that excessive rotation speed is always a cause of failure / N'oubliez pas qu'une vitesse de rotation excessive est toujours une cause d'échec

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. **ALB010**

albero / arbor / arbre

10 mm + PUN047

for MTX Ø 15<39



cod. **ALB012**

albero / arbor / arbre

13 mm + PUN047

for MTX Ø 40<100



cod. **PUN047**

punta pilota + molla / center drill + spring / foret + ressort

6x47 mm

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. **MTXESP020**

MTX 20 pcs

Ø 16-17-18-19-20-21-22-23-24-25-26-27-28-30-32-33-34-35-40-50



cod. **MTXESP033**

MTX 33 pcs

Ø 10-12-14-15-16-17-18-19-20x2-21-22x2-23-24-25x2-26-27-28-30x2-32-33-34-35-40-42-45-50x2-60-65

/ IT

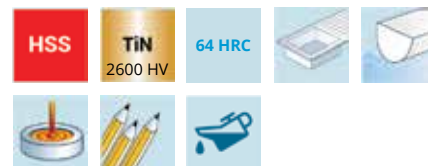
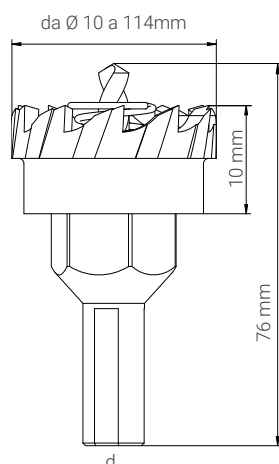
UTENSILERIA / FRESE A TAZZA HSS+TiN / MARTIN X TiN

/ EN

TOOLING / HSS+TiN HOLE CUTTERS / MARTIN X TiN

/ FR

OUTILLAGE / TREPANS HSS+TiN / MARTIN X TiN



LA FRESA A TAZZA MARTIN-X RIVESTITA AL TiN (Nitrato di titanio) ha una durezza superficiale molto più elevata, circa 2600 HV, un coefficiente di attrito assai basso 0,50 che le rende adatte a lavorazioni più gravose, acciai alto legati, inossidabili, alluminio e sue leghe.

THE TITANIUM NITRIDE COATING TiN (2600 HV) permits a considerable reduction of the friction. Quick ejection of chip. Heavy duty working on all type stainless Steel and high alloy steel, aluminum and light alloys.

LE REVÊTEMENT AU NITRURE DE TITANE TiN (2600 HV), permet une haute réduction de friction et adhérence des copeaux sur l'outil. Le trépan atteint plus de dureté (2600 HV) est donc moins sujet à l'usure. Conseillé pour les travaux sur matériaux fortement abrasifs, tous les aciers inox et allié, aluminium et ses alliages.

cod.	Ø mm	codolo / shank / queue	filetto / thread / filet
MTXTIN010	10	INTEGRALE	
MTXTIN012	12	INTEGRALE	
MTXTIN013	13	INTEGRALE	
MTXTIN014	14	INTEGRALE	
MTXTIN015	15	10mm	M12x1,25
MTXTIN016	16	10mm	M12x1,25
MTXTIN017	17	10mm	M12x1,25
MTXTIN018	18	10mm	M12x1,25
MTXTIN019	19	10mm	M12x1,25
MTXTIN020	20	10mm	M12x1,25
MTXTIN021	21	10mm	M12x1,25
MTXTIN022	22	10mm	M12x1,25
MTXTIN023	23	10mm	M12x1,25
MTXTIN024	24	10mm	M12x1,25
MTXTIN025	25	10mm	M12x1,25
MTXTIN026	26	10mm	M12x1,25
MTXTIN027	27	10mm	M12x1,25
MTXTIN028	28	10mm	M12x1,25
MTXTIN029	29	10mm	M12x1,25
MTXTIN030	30	10mm	M12x1,25
MTXTIN031	31	10mm	M12x1,25
MTXTIN032	32	10mm	M12x1,25
MTXTIN033	33	10mm	M12x1,25

cod.	Ø mm	codolo / shank / queue	filetto / thread / filet
MTXTIN034	34	10mm	M12x1,25
MTXTIN035	35	10mm	M12x1,25
MTXTIN036	36	10mm	M12x1,25
MTXTIN037	37	10mm	M12x1,25
MTXTIN038	38	10mm	M12x1,25
MTXTIN039	39	10mm	M12x1,25
MTXTIN040	40	13mm	M16X1,25
MTXTIN041	41	13mm	M16X1,25
MTXTIN042	42	13mm	M16X1,25
MTXTIN043	43	13mm	M16X1,25
MTXTIN044	44	13mm	M16X1,25
MTXTIN045	45	13mm	M16X1,25
MTXTIN046	46	13mm	M16X1,25
MTXTIN047	47	13mm	M16X1,25
MTXTIN048	48	13mm	M16X1,25
MTXTIN049	49	13mm	M16X1,25
MTXTIN050	50	13mm	M16X1,25
MTXTIN051	51	13mm	M16X1,25
MTXTIN052	52	13mm	M16X1,25
MTXTIN054	54	13mm	M16X1,25
MTXTIN055	55	13mm	M16X1,25
MTXTIN060	60	13mm	M16X1,25
MTXTIN062	62	13mm	M16X1,25
MTXTIN065	65	13mm	M16X1,25
MTXTIN070	70	13mm	M16X1,25
MTXTIN075	75	13mm	M16X1,25
MTXTIN080	80	13mm	M16X1,25
MTXTIN083	83	13mm	M16X1,25
MTXTIN085	85	13mm	M16X1,25
MTXTIN090	90	13mm	M16X1,25
MTXTIN095	95	13mm	M16X1,25
MTXTIN100	100	13mm	M16X1,25

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMANDÉE - RPM

Obligatoire bonne lubrification

Ø mm	lamiera / ferro / acciaio / rame sheet m / steel / bronze / copper tole / fer / acier / bronze / cuivre	alluminio aluminum aluminium	ottone brass laiton
10-15	750	2200	380
15-20	480	1200	270
20-29	380	800	240
30-40	240	580	220
41-50	180	470	160
51-60	140	380	140
61-70	120	310	120
71-80	100	270	110
81-90	85	240	100
91-100	70	210	95
101-115	50	160	80

Si ricorda che l'eccessiva velocità di rotazione è sempre motivo di guasti / Remember that excessive rotation speed is always a cause of failure / N'oubliez pas qu'une vitesse de rotation excessive est toujours une cause d'échec

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. ALB010TIN

albero / arbor / arbre

10 mm + PUN047

for MTX \varnothing 15<39

cod. ALB012TIN

albero / arbor / arbre

12 mm + PUN047

for MTX \varnothing 40<100

cod. PUN047TIN

punta pilota + molla / center drill + spring / foret + ressort

6x47 mm

/ IT

**UTENSILERIA / FRESE A CORONA HSS PER
MC MAGNETICHE / EXTREME**

/ EN

**TOOLING / HSS ANNULAR CUTTERS
MAGNETIC DRILLS / EXTREME**

/ FR

**OUTILLAGE / FRAISES À CAROTTER HSS
MACHINES MAGNÉTIQUES / EXTREME**

FRESE A CORONA HSS CON DOPPIA GEOMETRIA DI TAGLIO, perfetto centraggio, superiori prestazioni e durata.

- Trattamento termico differenziato: 65 HRC sulla dentatura, decrescente verso il codolo.
- Attacco: Weldon, Fein, Nitto (a richiesta + 5%)
- Profondità di foratura: 30-40-55-80-110 mm
- Linea BASIC: ferro e acciai fino a 750 N
- Linea GOLD: acciai, acciai legati fino 800/900 N

HSS ANNULAR CUTTERS WITH DOUBLE SHARPENING for higher lifetimes, with perfect centring. Vacuum heat treatment with 65 HRC on the tooth and less hardness by the shank.

- Shank: Weldon, Fein, Nitto (on demand + 5%)
- Cutting depth: 30-40-55-80-110 mm
- BASIC: steel until 750 N
- GOLD: hard steel, alloyed steel until 800/900 N

FRAISES À CAROTTER EN HSS AVEC DOUBLE GÉOMÉTRIE DE COUPE. La particulière géométrie d'affutage permet un parfait centrage de la fraise et performances de travaille supérieures.

- Traitement thermique différencié : 65 HRC sur le profil des dents décroissant vers la queue.
- Attaque: Weldon, Fein, Nitto (sur demande +5%)
- Profondeur de coupe: 30-40-55-80-110 mm
- BASIC: fers et aciers jusqu' a 750 N
- GOLD: acier dur et difficile à usiner jusqu'à 800/900 N

type	model	mm	Cod.
WELDON	BASIC	30	EXS
WELDON	BASIC	55	EXSL
WELDON-NITTO	GOLD	30	EXG
WELDON-NITTO	GOLD	55	EXGL
WELDON-NITTO	GOLD	80	EXG8L
WELDON-NITTO	GOLD	110	EXGXL
FEIN-QUICK-IN	GOLD	40	EXGQ

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMANDÉE - RPM

Obligatoire bonne lubrification

Ø mm	acciaio 700 N/mm steel 700 N/mm acier 700 N/mm	inox 1000 N/mm stainless 1000 N/mm inox 100 N/mm	ghisa cast iron fonte	alluminio aluminum 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

Per inox indispensabile buona lubrificazione

Mandatory good lubrication for stainless

Obligatoire bonne lubrification sur inox

/ IT

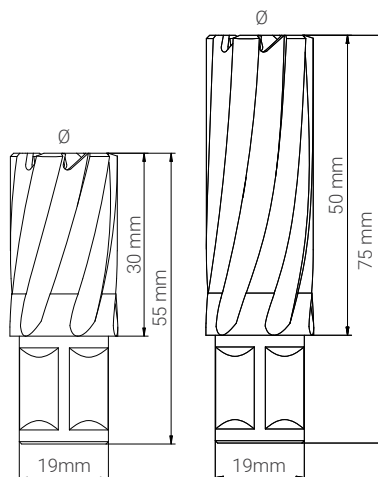
UTENSILERIA / FRESE A CORONA HSS PER
MC MAGNETICHE / HSS BASIC EXS-EXSL

/ EN

TOOLING / HSS ANNULAR CUTTERS
MAGNETIC DRILLS / HSS BASIC EXS-EXSL

/ FR

OUTILLAGE / FRAISES À CAROTTER HSS
MACHINES MAGNÉTIQUES / HSS BASIC
EXS-EXSL



FRESA A CORONA HSS FINITURA LUCIDA -
ideale per ferro e acciai fino a 750 N

- Attacco: Weldon Ø 19 mm
- Profondità di foratura:
EXS 30 mm – EXSL 50 mm

HSS ANNULAR CUTTERS BRIGHT FINISHING -
perfect on steel until 750 N

- Shank: Weldon Ø 19 mm
- Cutting deep:
EXS 30 mm – EXSL 50 mm

FRAISES À CAROTTER EN HSS FINISSAGE
BRILLANT – idéal sur fers et aciers jusqu' a 750 N

- Attaque: Weldon Ø 19 mm
- Profondeur de coupe:
EXS 30 mm – EXSL 50 mm

Ø mm	cod.	L mm
12	EXS012	30
13	EXS013	30
14	EXS014	30
15	EXS015	30
16	EXS016	30
17	EXS017	30
18	EXS018	30
19	EXS019	30
20	EXS020	30
21	EXS021	30
22	EXS022	30
23	EXS023	30
24	EXS024	30
25	EXS025	30
26	EXS026	30
27	EXS027	30
28	EXS028	30
29	EXS029	30
30	EXS030	30
31	EXS031	30
32	EXS032	30

cod.	L mm
EXSL012	55
EXSL013	55
EXSL014	55
EXSL015	55
EXSL016	55
EXSL017	55
EXSL018	55
EXSL019	55
EXSL020	55
EXSL021	55
EXSL022	55
EXSL023	55
EXSL024	55
EXSL025	55
EXSL026	55
EXSL027	55
EXSL028	55
EXSL029	55
EXSL030	55
EXSL031	55
EXSL032	55

ACCESSORI**SPARE PARTS****ACCESSOIRES**

cod. EX01

perno espulsione EXS / ejector pin/ ejecteur EXS

ø 6,35x76 mm



cod. EX05

perno espulsione EXLS / ejector pin/ ejecteur EXSL

ø 6,35x103 mm

ESPOSITORI**DISPLAY****PRESENTOIRS**

cod. EXS306

EXS kit 6 pcs

ø 14-16-18-20-22-26+ 4 EX01



cod. EXSL506

EXSL kit 6 pcs

ø 14-16-18-20-22-26+ 4 EX05



cod. EXSESP16

EXS espositore/display/presentoir 16 pcs

ø 14x2-16x2-18x2-20x2-22-24-25-26-28-29-30-32



cod. EXSLESP16

EXSL espositore/display/presentoir 16 pcs

ø 14x2-16x2-18x2-20x2-22-24-25-26-28-29-30-32

/ IT

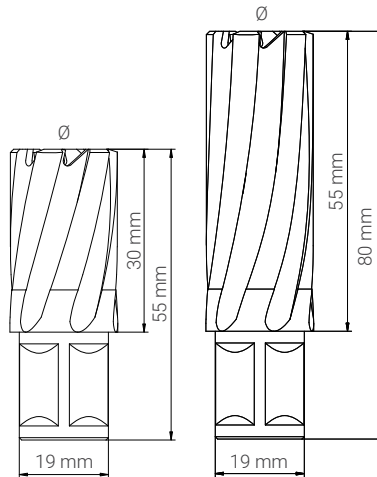
**UTENSILERIA / FRESE A CORONA HSS PER
MC MAGNETICHE / HSS GOLD WELDON
30-55 MM**



Completa di albero e punta.

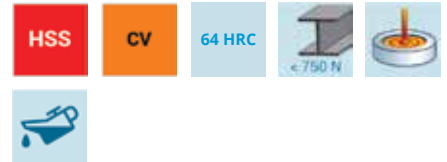
/ EN

**TOOLING / HSS ANNULAR CUTTERS
MAGNETIC DRILLS / HSS GOLD WELDON
30-55 MM**



/ FR

**OUTILLAGE / FRAISES À CAROTTER HSS
MACHINES MAGNÉTIQUES / HSS GOLD
WELDON 30-55 MM**



**FRESA A CORONA HSS SPECIALE TRATTAMENTO
SUPERFICIALE** - ideale per acciai, acciai legati
fino 800/900 N

- Attacco: Weldon Ø 19 mm - Weldon Nitto (a richiesta prezzi +5%)
- Profondità di foratura Weldon: EXG 30 mm – EXGL 55 mm

**HSS ANNULAR CUTTERS SPECIAL SURFACE
TREATMENT** perfect on hard steel, alloyed steel
up to 800/900 N

- Shank: Weldon Ø 19 mm – Weldon Nitto (on demand prices +5%)
- Cutting depth Weldon: EXG 30 mm – EXGL 55 mm

**FRAISES À CAROTTER EN HSS TRAITEMENT
SPÉCIAL DE SURFACE** – idéal sur acier dur et
difficile à usiner jusqu'à 800/900 N

- Attaque: Weldon Ø 19 mm – Weldon Nitto (sur demande prix + 5%)
- Profondeur de coupe Weldon: EXG 30 mm – EXGL 55 mm

Ø mm	cod.	L mm
12	EXG012	30
13	EXG013	30
14	EXG014	30
15	EXG015	30
16	EXG016	30
17	EXG017	30
18	EXG018	30
19	EXG019	30
20	EXG020	30
21	EXG021	30
22	EXG022	30
23	EXG023	30
24	EXG024	30
25	EXG025	30
26	EXG026	30
27	EXG027	30
28	EXG028	30
29	EXG029	30
30	EXG030	30
31	EXG031	30
32	EXG032	30
33	EXG033	30
34	EXG034	30
35	EXG035	30
36	EXG036	30
37	EXG037	30
38	EXG038	30
39	EXG039	30
40	EXG040	30
41	EXG041	30
42	EXG042	30
43	EXG043	30
44	EXG044	30
45	EXG045	30
46	EXG046	30
47	EXG047	30
48	EXG048	30
49	EXG049	30
50	EXG050	30
51	EXG051	30
52	EXG052	30
53	EXG053	30
54	EXG054	30
55	EXG055	30
56	EXG056	30
57	EXG057	30
58	EXG058	30
59	EXG059	30
60	EXG060	30

cod.	L mm
EXGL012	55
EXGL013	55
EXGL014	55
EXGL015	55
EXGL016	55
EXGL017	55
EXGL018	55
EXGL019	55
EXGL020	55
EXGL021	55
EXGL022	55
EXGL023	55
EXGL024	55
EXGL025	55
EXGL026	55
EXGL027	55
EXGL028	55
EXGL029	55
EXGL030	55
EXGL031	55
EXGL032	55
EXGL033	55
EXGL034	55
EXGL035	55
EXGL036	55
EXGL037	55
EXGL038	55
EXGL039	55
EXGL040	55
EXGL041	55
EXGL042	55
EXGL043	55
EXGL044	55
EXGL045	55
EXGL046	55
EXGL047	55
EXGL048	55
EXGL049	55
EXGL050	55
EXGL051	55
EXGL052	55
EXGL053	55
EXGL054	55
EXGL055	55
EXGL056	55
EXGL057	55
EXGL058	55
EXGL059	55
EXGL060	55

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. EX01

perno espulsione EXG / ejector pin/ ejecteur EXG

∅ 6,35x76 mm



cod. EX05

perno espulsione EXGL / ejector pin/ ejecteur EXGL

∅ 6,35x103 mm

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. EXG306

EXG kit 6 pcs

∅ 14-16-18-20-22-26+ 4 EX01



cod. EXGL556

EXGL kit 6 pcs

∅ 14-16-18-20-22-26+ 4 EX05



cod. EXGESP16

EXG espositore/display/presentoir 16 pcs

∅ 14-16-18-20-22-24-25-26x2-28-29-30-32-34-35-36



cod. EXGLESP16

EXGL espositore/display/presentoir 16 pcs

∅ 14-16-18-20-22-24-25-26x2-28-29-30-32-34-35-36

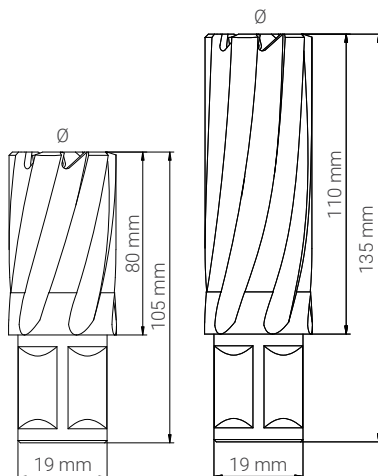
/ IT

UTENSILERIA / FRESE A CORONA HSS PER MC MAGNETICHE / HSS GOLD WELDON 80-110 MM



/ EN

TOOLING / HSS ANNUAL CUTTERS MAGNETIC DRILLS / HSS GOLD WELDON 80-110 MM



/ FR

OUTILLAGE / FRAISES À CAROTTER HSS MACHINES MAGNÉTIQUES / HSS GOLD WELDON 80-110 MM



FRESA A CORONA HSS SPECIALE TRATTAMENTO SUPERFICIALE - ideale per acciai, acciai legati fino 800/900 N

- Attacco: Weldon \varnothing 19 mm - Weldon Nitto (a richiesta prezzi +5%)
- Profondità di foratura: EXG8L 80 mm - EXGXL 110 mm

HSS ANNUAL CUTTERS SPECIAL SURFACE TREATMENT - perfect on hard steel, alloyed steel up to 800/900

- Shank: Weldon \varnothing 19 mm - Weldon Nitto (on demand prices +5%)
- Cutting depth: EXG8L 80 mm - EXGXL 110 mm

FRAISES À CAROTTER EN HSS TRAITEMENT SPÉCIAL DE SURFACE - idéal sur acier dur et difficile à usiner jusqu'à 800/900 N

- Attaque: Weldon \varnothing 19 mm - Weldon Nitto (sur demande prix + 5%)
- Profondeur de coupe: EXG8L 80 mm - EXGXL 110 mm

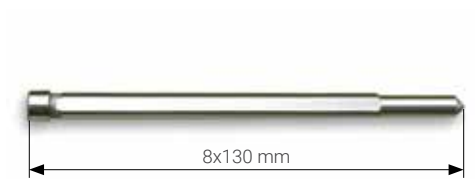
\varnothing mm	cod.	L mm
18	EXG8L018	80
19	EXG8L019	80
20	EXG8L020	80
21	EXG8L021	80
22	EXG8L022	80
23	EXG8L023	80
24	EXG8L024	80
25	EXG8L025	80
26	EXG8L026	80
27	EXG8L027	80
28	EXG8L028	80
29	EXG8L029	80
30	EXG8L030	80
32	EXG8L032	80
33	EXG8L033	80
35	EXG8L035	80
36	EXG8L036	80
38	EXG8L038	80
40	EXG8L040	80
45	EXG8L045	80
50	EXG8L050	80

cod.	L mm
EXGXL018	110
EXGXL019	110
EXGXL020	110
EXGXL021	110
EXGXL022	110
EXGXL023	110
EXGXL024	110
EXGXL025	110
EXGXL026	110
EXGXL027	110
EXGXL028	110
EXGXL029	110
EXGXL030	110
EXGXL032	110
EXGXL033	110
EXGXL035	110
EXGXL036	110
EXGXL038	110
EXGXL040	110
EXGXL045	110
EXGXL050	110

ACCESSORI

SPARE PARTS

ACCESSOIRES

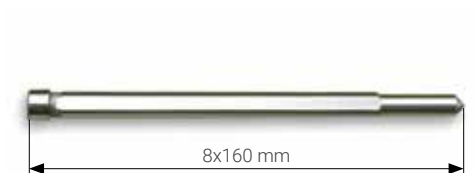


cod. EX13

perno espulsione/ejector pin/ejecteur

8x130 mm

EXG8L Ø 18<50



cod. EX14

perno espulsione/ejector pin/ejecteur

8x160 mm

EXGXL Ø 18<50

/ IT

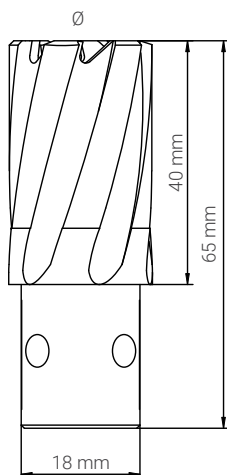
UTENSILERIA / FRESE A CORONA HSS / HSS
GOLD QUICK-IN - FEIN

/ EN

TOOLING / HSS ANNULAR CUTTERS / HSS
GOLD QUICK-IN - FEIN

/ FR

OUTILLAGE / FRAISES À CAROTTER HSS
MACHINES MAGNÉTIQUES / HSS GOLD
QUICK-IN - FEIN



FRESA A CORONA HSS SPECIALE TRATTAMENTO SUPERFICIALE - ideale per acciai, acciai legati fino 800/900 N

- Attacco: Fein-Quick-in
- Profondità di foratura Fein-quick-in: EXGQ 40 mm

HSS ANNULAR CUTTERS SPECIAL SURFACE TREATMENT - perfect on hard steel, alloyed steel up to 800/900 N

- Shank: Fein-quick-in
- Cutting depth Fein-quick-in: EXGQ 40 mm

FRAISES À CAROTTER EN HSS TRAITEMENT SPÉCIAL DE SURFACE - idéal sur acier dur et difficile à usiner jusqu'à 800/900 N

- Attack: Fein-quick-in
- Profondeur de coupe Fein-quick-in : EXGQ 40 mm

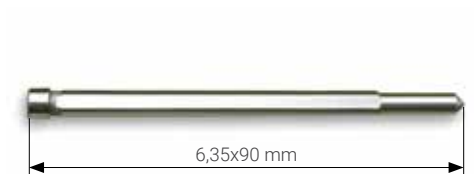
Ø mm	cod.	L mm
12	EXGQ012	40
13	EXGQ013	40
14	EXGQ014	40
15	EXGQ015	40
16	EXGQ016	40
17	EXGQ017	40
18	EXGQ018	40
19	EXGQ019	40
20	EXGQ020	40
21	EXGQ021	40
22	EXGQ022	40
23	EXGQ023	40
24	EXGQ024	40
25	EXGQ025	40
26	EXGQ026	40
27	EXGQ027	40
28	EXGQ028	40
29	EXGQ029	40
30	EXGQ030	40
31	EXGQ031	40
32	EXGQ032	40
33	EXGQ033	40
34	EXGQ034	40

Ø mm	cod.	L mm
35	EXGQ035	40
36	EXGQ036	40
37	EXGQ037	40
38	EXGQ038	40
39	EXGQ039	40
40	EXGQ040	40
41	EXGQ041	40
42	EXGQ042	40
43	EXGQ043	40
44	EXGQ044	40
45	EXGQ045	40
46	EXGQ046	40
47	EXGQ047	40
48	EXGQ048	40
49	EXGQ049	40
50	EXGQ050	40
51	EXGQ051	40
52	EXGQ052	40
53	EXGQ053	40
54	EXGQ054	40
55	EXGQ055	40
56	EXGQ056	40
57	EXGQ057	40
58	EXGQ058	40
59	EXGQ059	40
60	EXGQ060	40

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. EX02

perno espulsione/ejector pin/ejecteur

6,35x90 mm

EXGQ Ø 12<60



cod. EX06

perno espulsione/ejector pin/ejecteur

6,35x116 mm

within EX08 ADAPTER



cod. EX08

adattatore/adapter/adaptateur

attacco/shank/emboute Weldon 19 mm > Quick-in 18 mm

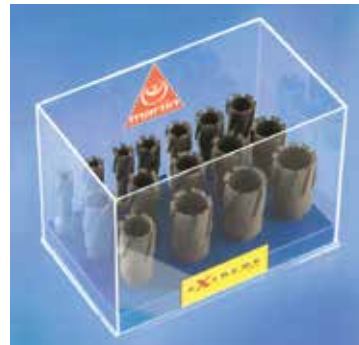
FEIN machines - use with EX06

**ESPOSITORI****DISPLAY****PRESENTOIRS**

cod. EXGQ406

EXGQ kit 6 pcs

ø 14-16-18-20-22-26+ 4 EX02



cod. EXGQESP16

EXGQ espositore/display/presentoir 16 pcs

ø 14-16-18-20-22-24-25-2X26-28-29-30-32-34-35-36

/ IT
UTENSILERIA / FRESE A CORONA TCT
WELDON PER MC MAGNETICHE

/ EN
TOOLING / WELDON CARBIDE TIPPED
ANNULAR CUTTERS MAGNETIC DRILLS

/ FR
OUTILLAGE / FRAISES À CAROTTER
WELDON CARBURE MACHINES
MAGNÉTIQUES



FRESE A CORONA CON DENTI IN METALLO DURO CON TRIPLA GEOMETRIA DI TAGLIO.

- Per esigenze gravose di foratura, precise e veloci su: acciai da 1000 a 1400 N
- Rapido centraggio, assenza di vibrazioni, progressività di taglio.
- Attacco: Weldon, Fein(40-55) Nitto (a richiesta + 5%)
- Profondità di foratura: 40-55-80-110-150 mm

CARBIDE TIPPED ANNULAR CUTTERS WITH TRIPLE CUTTING GEOMETRY.

- For heavy drilling, precise and quick : steel, hardened steel up to 1000- 1400 N
- Vibration less, easy cutting with high performances.
- Shank: Weldon, Fein(40-55), Nitto (on demand +5%)
- Cutting depth: 40-55-80-110-150 mm

FRAISES À CAROTTER AVEC DENTS EN CARBURE, TRIPLE GÉOMÉTRIE D'AFFUTAGE.

- Recommandées pour le perçage intensif, précis et rapid : acier de 1000 à 1400 N
- La coupe est plus douce, sans vibrations, avec longue durée de l'outil
- Attaque: Weldon, Fein(40-55) ,Nitto (sur demande + 5%)
- Profondeur de coupe: 40-55-80-110-150vmm

type	mm	Cod.
WELDON-NITTO	40	EXT
WELDON-NITTO	55	EXTL
WELDON-NITTO	80	EXT8L
WELDON-NITTO	110	EXTXL
WELDON-NITTO	150	EXTXXL
FEIN-QUICK-IN	40	EXTQ
FEIN-QUICK-IN	55	EXTQL

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMANDÉE - RPM

Obligatoire bonne lubrification

Ø mm	acciaio 700 N/mm steel 700 N/mm acier 700 N/mm	inox 1000 N/mm stainless 1000 N/mm inox 100 N/mm	ghisa cast iron fonte	alluminio aluminum aluminium
12-14	1300	850	1000	1450
15-17	1000	700	800	1200
18-20	880	585	650	1000
21-23	750	500	580	870
24-26	640	450	510	765
27-30	560	385	450	650
31-34	485	350	380	580
35-40	410	300	325	505
41-45	355	255	290	435
46-50	320	230	260	400
51-55	300	210	235	355
56-60	270	190	215	320
61-65	250	175	200	295
66-70	225	160	185	275
75-80	205	140	165	245
85-90	185	125	145	215
95-100	160	115	130	145

Per inox indispensabile buona lubrificazione

Mandatory good lubrication for stainless

Obligatoire bonne lubrification sur inox

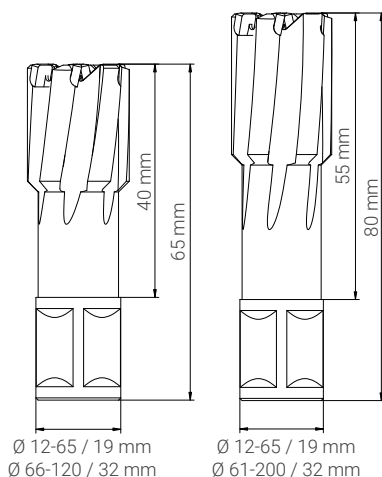
/ IT

**UTENSILERIA / FRESE A CORONA TCT
WELDON PER MC MAGNETICHE / TCT
WELDON 40-55 MM**



/ EN

**TOOLING / WELDON CARBIDE TIPPED
ANNULAR CUTTERS MAGNETIC DRILLS /
TCT WELDON 40-55 MM**



/ FR

**OUTILLAGE / FRAISES À CAROTTER
WELDON CARBURE MACHINES
MAGNÉTIQUES / TCT WELDON 40-55 MM**



FRESE A CORONA IN METALLO DURO CON TRIPLA GEOMETRIA DI DENTI

- Attacco: Weldon Ø 19 mm, Nitto (a richiesta prezzi + 5%)
- Profondità di foratura: EXT mm 40 – EXTL mm 55

CARBIDE TIPPED ANNULAR CUTTERS WITH TRIPLE CUTTING GEOMETRY

- Shank: Weldon Ø 19 mm, Nitto (on demand prices + 5%)
- Cutting depth: EXT mm 40 – EXTL mm 55

FRAISES À CAROTTER AVEC DENTS EN CARBURE, TRIPLE GÉOMÉTRIE D'AFFUTAGE

- Attaque : Weldon Ø 19 mm, Nitto (sur demande prix+ 5%)
- Profondeur de coupe: EXT mm 40 – EXTL mm 55

cod.	Ø mm	L mm
EXT012	12	40
EXT013	13	40
EXT014	14	40
EXT015	15	40
EXT016	16	40
EXT017	17	40
EXT018	18	40
EXT019	19	40
EXT020	20	40
EXT021	21	40
EXT022	22	40
EXT023	23	40
EXT024	24	40
EXT025	25	40
EXT026	26	40
EXT027	27	40
EXT028	28	40
EXT029	29	40
EXT030	30	40
EXT031	31	40
EXT032	32	40
EXT033	33	40

cod.	Ø mm	L mm
EXTL012	12	55
EXTL013	13	55
EXTL014	14	55
EXTL015	15	55
EXTL016	16	55
EXTL017	17	55
EXTL018	18	55
EXTL019	19	55
EXTL020	20	55
EXTL021	21	55
EXTL022	22	55
EXTL023	23	55
EXTL024	24	55
EXTL025	25	55
EXTL026	26	55
EXTL027	27	55
EXTL028	28	55
EXTL029	29	55
EXTL030	30	55
EXTL031	31	55
EXTL032	32	55
EXTL033	33	55

cod.	Ø mm	L mm
EXT034	34	40
EXT035	35	40
EXT036	36	40
EXT037	37	40
EXT038	38	40
EXT039	39	40
EXT040	40	40
EXT041	41	40
EXT042	42	40
EXT043	43	40
EXT044	44	40
EXT045	45	40
EXT046	46	40
EXT047	47	40
EXT048	48	40
EXT049	49	40
EXT050	50	40
EXT051	51	40
EXT052	52	40
EXT053	53	40
EXT054	54	40
EXT055	55	40
EXT056	56	40
EXT057	57	40
EXT058	58	40
EXT059	59	40
EXT060	60	40
EXT061	61	40
EXT062	62	40
EXT063	63	40
EXT064	64	40
EXT065	65	40
EXT066	66	40
EXT067	67	40
EXT068	68	40
EXT069	69	40
EXT070	70	40
EXT071	71	40
EXT072	72	40
EXT073	73	40
EXT074	74	40
EXT075	75	40
EXT076	76	40
EXT077	77	40
EXT078	78	40
EXT079	79	40
EXT080	80	40
EXT085	85	40
EXT090	90	40
EXT095	95	40
EXT100	100	40

cod.	Ø mm	L mm
EXTL034	34	55
EXTL035	35	55
EXTL036	36	55
EXTL037	37	55
EXTL038	38	55
EXTL039	39	55
EXTL040	40	55
EXTL041	41	55
EXTL042	42	55
EXTL043	43	55
EXTL044	44	55
EXTL045	45	55
EXTL046	46	55
EXTL047	47	55
EXTL048	48	55
EXTL049	49	55
EXTL050	50	55
EXTL051	51	55
EXTL052	52	55
EXTL053	53	55
EXTL054	54	55
EXTL055	55	55
EXTL056	56	55
EXTL057	57	55
EXTL058	58	55
EXTL059	59	55
EXTL060	60	55
EXTL061	61	55
EXTL062	62	55
EXTL063	63	55
EXTL064	64	55
EXTL065	65	55
EXTL066	66	55
EXTL067	67	55
EXTL068	68	55
EXTL069	69	55
EXTL070	70	55
EXTL071	71	55
EXTL072	72	55
EXTL073	73	55
EXTL074	74	55
EXTL075	75	55
EXTL076	76	55
EXTL077	77	55
EXTL078	78	55
EXTL079	79	55
EXTL080	80	55
EXTL082	82	55
EXTL083	83	55
EXTL084	84	55
EXTL085	85	55

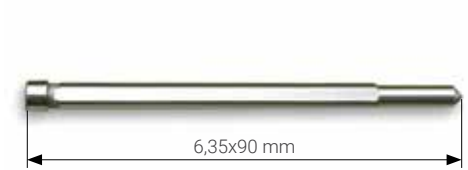
cod.	Ø mm	L mm
EXT105	105	40
EXT110	110	40
EXT115	115	40
EXT120	120	40

cod.	Ø mm	L mm
EXTL088	88	55
EXTL090	90	55
EXTL092	92	55
EXTL095	95	55
EXTL100	100	55
EXTL103	103	55
EXTL105	105	55
EXTL108	108	55
EXTL110	110	55
EXTL115	115	55
EXTL120	120	55
EXTL125	125	55
EXTL130	130	55
EXTL135	135	55
EXTL140	140	55
EXTL145	145	55
EXTL150	150	55
EXTL155	155	55
EXTL160	160	55
EXTL165	165	55
EXTL170	170	55
EXTL175	175	55
EXTL180	180	55
EXTL185	185	55

ACCESSORI

SPARE PARTS

ACCESSOIRES

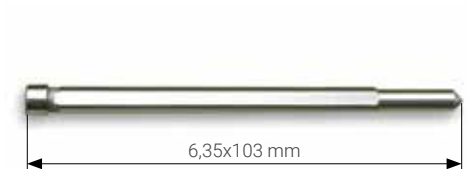


cod. EX02

perno espulsione/ejector pin/ejecteur

∅ 6,35x90 mm

EXT ∅ 12<17

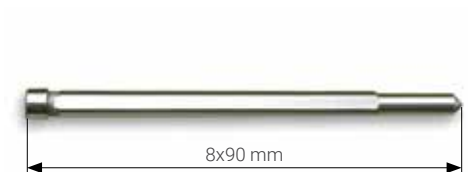


cod. EX05

perno espulsione/ejector pin/ejecteur

∅ 6,35x103 mm

EXTL ∅ 12<17 together EX03 adapter



cod. EX10

perno espulsione/ejector pin/ejecteur

∅ 8x90 mm

EXT ∅ 18<65



cod. EX11

perno espulsione/ejector pin/ejecteur

∅ 8x105 mm

EXT ∅ 66<120 - EXTL ∅ 18<60



cod. EX12

perno espulsione/ejector pin/ejecteur

∅ 8x118 mm

EXTL ∅ 61<150 together EX04 adapter

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. EXT406

EXT kit 6 pcs

ø 14-16-18-20-22-26+2 EX02+2 EX10



cod. EXTL556

EXTL kit 6 pcs

ø 14-16-18-20-22-26+2 EX05+2 EXT02



cod. EXTES16

EXT espositore/display/presentoir 16 pcs

ø 14-16-18-20-22-24-25-2X26-28-29-30-32-34-35-36



cod. EXTL556

EXTL espositore/display/presentoir 16 pcs

ø 14-16-18-20-22-24-25-2X26-28-29-30-32-34-35-36



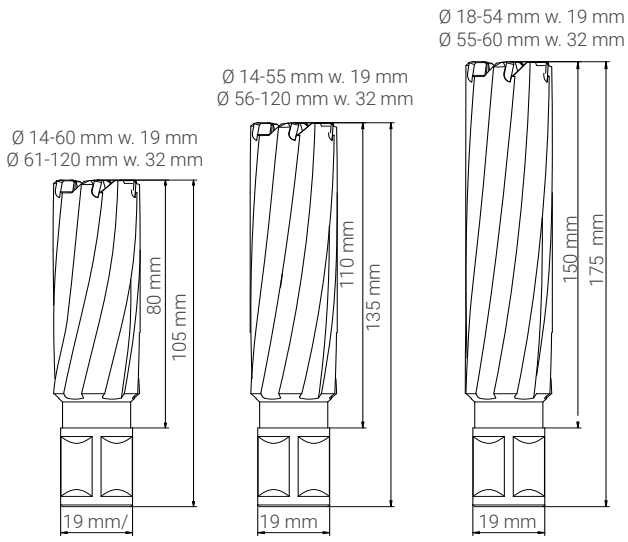
/ IT

UTENSILERIA / FRESE A CORONA TCT WELDON PER MC MAGNETICHE / TCT WELDON 80-110-150 MM



/ EN

TOOLING / WELDON CARBIDE TIPPED ANNULAR CUTTERS MAGNETIC DRILLS / TCT WELDON 80-110-150 MM



/ FR

OUTILLAGE / FRAISES À CAROTTER WELDON CARBURE MACHINES MAGNÉTIQUES / TCT WELDON 80-110-150 MM



FRESE A CORONA IN METALLO DURO CON TRIPLA GEOMETRIA DI DENTI

- Attacco: Weldon Ø 19 mm, Nitto (a richiesta prezzi + 5%)
- Profondità di foratura: EXT8L 80 mm - EXTXL 110 mm - EXTXXL 150 mm

CARBIDE TIPPED ANNULAR CUTTERS WITH TRIPLE CUTTING GEOMETRY

- Shank: Weldon Ø 19 mm, Nitto (on demand prices + 5%)
- Cutting depth: EXT8L 80 mm - EXTXL 110 mm - EXTXXL 150 mm

FRAISES À CAROTTER AVEC DENTS EN CARBURE, TRIPLE GÉOMÉTRIE D'AFFUTAGE

- Attaque: Weldon Ø 19 mm, Nitto (sur demande prix+ 5%)
- Profondeur de coupe: EXT8L 80 mm - EXTXL 110 mm - EXTXXL 150 mm

Ø mm	cod.	L mm
14	EXT8L014	80
15	EXT8L015	80
16	EXT8L016	80
17	EXT8L017	80
18	EXT8L018	80
19	EXT8L019	80
20	EXT8L020	80
21	EXT8L021	80
22	EXT8L022	80
23	EXT8L023	80
24	EXT8L024	80
25	EXT8L025	80
26	EXT8L026	80
27	EXT8L027	80
28	EXT8L028	80
29	EXT8L029	80
30	EXT8L030	80
31	EXT8L031	80
32	EXT8L032	80
33	EXT8L033	80
34	EXT8L034	80
35	EXT8L035	80

cod.	L mm
EXTXL014	110
EXTXL015	110
EXTXL016	110
EXTXL017	110
EXTXL018	110
EXTXL019	110
EXTXL020	110
EXTXL021	110
EXTXL022	110
EXTXL023	110
EXTXL024	110
EXTXL025	110
EXTXL026	110
EXTXL027	110
EXTXL028	110
EXTXL029	110
EXTXL030	110
EXTXL031	110
EXTXL032	110
EXTXL033	110
EXTXL034	110
EXTXL035	110

cod.	L mm
EXTXXL18	150
EXTXXL19	150
EXTXXL20	150
EXTXXL21	150
EXTXXL22	150
EXTXXL23	150
EXTXXL24	150
EXTXXL25	150
EXTXXL26	150
EXTXXL27	150
EXTXXL28	150
EXTXXL29	150
EXTXXL30	150
EXTXXL31	150
EXTXXL32	150
EXTXXL33	150
EXTXXL34	150
EXTXXL35	150

Ø mm	cod.	L mm
36	EXT8L036	80
37	EXT8L037	80
38	EXT8L038	80
39	EXT8L039	80
40	EXT8L040	80
41	EXT8L041	80
42	EXT8L042	80
43	EXT8L043	80
44	EXT8L044	80
45	EXT8L045	80
46	EXT8L046	80
47	EXT8L047	80
48	EXT8L048	80
49	EXT8L049	80
50	EXT8L050	80
51	EXT8L051	80
52	EXT8L052	80
53	EXT8L053	80
54	EXT8L054	80
55	EXT8L055	80
56	EXT8L056	80
57	EXT8L057	80
58	EXT8L058	80
59	EXT8L059	80
60	EXT8L060	80
61	EXT8L061	80
62	EXT8L062	80
63	EXT8L063	80
64	EXT8L064	80
65	EXT8L065	80
66	EXT8L066	80
67	EXT8L067	80
68	EXT8L068	80
69	EXT8L069	80
70	EXT8L070	80
72	EXT8L072	80
73	EXT8L073	80
74	EXT8L074	80
75	EXT8L075	80
76	EXT8L076	80
78	EXT8L078	80
80	EXT8L080	80
82	EXT8L082	80
85	EXT8L085	80
90	EXT8L090	80
95	EXT8L095	80
100	EXT8L100	80
103	EXT8L103	80
104	EXT8L104	80
105	EXT8L105	80
106	EXT8L106	80
108	EXT8L108	80

cod.	L mm
EXTXL036	110
EXTXL037	110
EXTXL038	110
EXTXL039	110
EXTXL040	110
EXTXL041	110
EXTXL042	110
EXTXL043	110
EXTXL044	110
EXTXL045	110
EXTXL046	110
EXTXL047	110
EXTXL048	110
EXTXL049	110
EXTXL050	110
EXTXL051	110
EXTXL052	110
EXTXL053	110
EXTXL054	110
EXTXL055	110
EXTXL056	110
EXTXL057	110
EXTXL058	110
EXTXL059	110
EXTXL060	110
EXTXL061	110
EXTXL062	110
EXTXL063	110
EXTXL064	110
EXTXL065	110
EXTXL066	110
EXTXL067	110
EXTXL068	110
EXTXL069	110
EXTXL070	110
EXTXL072	110
EXTXL073	110
EXTXL074	110
EXTXL075	110
EXTXL076	110
EXTXL078	110
EXTXL080	110
EXTXL082	110
EXTXL085	110
EXTXL090	110
EXTXL095	110
EXTXL100	110
EXTXL103	110
EXTXL104	110
EXTXL105	110
EXTXL106	110
EXTXL108	110

cod.	L mm
EXTXXL36	150
EXTXXL37	150
EXTXXL38	150
EXTXXL39	150
EXTXXL40	150
EXTXXL41	150
EXTXXL42	150
EXTXXL43	150
EXTXXL44	150
EXTXXL45	150
EXTXXL46	150
EXTXXL47	150
EXTXXL48	150
EXTXXL49	150
EXTXXL50	150
EXTXXL51	150
EXTXXL52	150
EXTXXL53	150
EXTXXL54	150
EXTXXL55	150
EXTXXL56	150
EXTXXL57	150
EXTXXL58	150
EXTXXL59	150
EXTXXL60	150

Ø mm	cod.	L mm
110	EXT8L110	80
115	EXT8L115	80
120	EXT8L120	80

cod.	L mm
EXTXL110	110
EXTXL115	110
EXTXL120	110

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. EX07

perno espulsione/ejector pin/ejecteur

ø 6,35x130 mm

EXT8L ø 14<17



cod. EX14

perno espulsione/ejector pin/ejecteur

ø 8x160 mm

EXTXL ø 18<55



cod. EX18

perno espulsione/ejector pin/ejecteur

ø 8x145 mm

EXT8L ø 61<120



cod. EX20

perno espulsione/ejector pin/ejecteur

ø 6,35x160 mm

EXTXL ø 14<17



cod. EX22

perno espulsione/ejector pin/ejecteur

ø 8x167 mm

EXTXL ø 56<120

/ IT

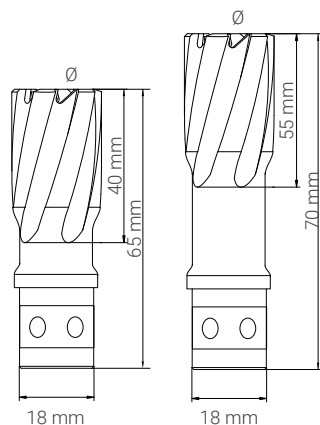
UTENSILERIA / FRESE A CORONA TCT / TCT
QUICK-IN FEIN

/ EN

TOOLING / TCT ANNULAR CUTTERS / TCT
QUICK-IN FEIN MACHINES

/ FR

OUTILLAGE / FRAISES À CAROTTER / TCT
QUICK-IN POUR FEIN MACHINES



**FRESE A CORONA IN METALLO DURO CON
TRIPLA GEOMETRIA DI DENTI**

- Attacco: Fein – Quick-in
- Profondità di foratura: EXTQ 40 mm – EXTQL 55 mm

**CARBIDE TIPPED ANNULAR CUTTERS WITH
TRIPLE CUTTING GEOMETRY**

- Shank: Fein – Quick-in
- Cutting depth: EXTQ 40 mm – EXTQL 55 mm

**FRAISES À CAROTTER AVEC DENTS EN CARBURE,
TRIPLE GÉOMÉTRIE D’AFFUTAGE**

- Attaque: Fein – Quick-in
- Profondeur de coupe: EXTQ 40 mm – EXTQL 55 mm
- mm

Ø mm	cod.	L mm
12	EXTQ012	40
13	EXTQ013	40
14	EXTQ014	40
15	EXTQ015	40
16	EXTQ016	40
17	EXTQ017	40
18	EXTQ018	40
19	EXTQ019	40
20	EXTQ020	40
21	EXTQ021	40
22	EXTQ022	40
23	EXTQ023	40
24	EXTQ024	40
25	EXTQ025	40
26	EXTQ026	40
27	EXTQ027	40
28	EXTQ028	40
29	EXTQ029	40
30	EXTQ030	40
31	EXTQ031	40
32	EXTQ032	40
33	EXTQ033	40
34	EXTQ034	40
35	EXTQ035	40

cod.	L mm
EXTQL012	55
EXTQL013	55
EXTQL014	55
EXTQL015	55
EXTQL016	55
EXTQL017	55
EXTQL018	55
EXTQL019	55
EXTQL020	55
EXTQL021	55
EXTQL022	55
EXTQL023	55
EXTQL024	55
EXTQL025	55
EXTQL026	55
EXTQL027	55
EXTQL028	55
EXTQL029	55
EXTQL030	55
EXTQL031	55
EXTQL032	55
EXTQL033	55
EXTQL034	55
EXTQL035	55

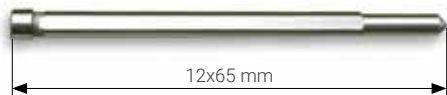
Ø mm	cod.	L mm
36	EXTQ036	40
37	EXTQ037	40
38	EXTQ038	40
39	EXTQ039	40
40	EXTQ040	40
41	EXTQ041	40
42	EXTQ042	40
43	EXTQ043	40
44	EXTQ044	40
45	EXTQ045	40
46	EXTQ046	40
47	EXTQ047	40
48	EXTQ048	40
49	EXTQ049	40
50	EXTQ050	40
51	EXTQ051	40
52	EXTQ052	40
53	EXTQ053	40
54	EXTQ054	40
55	EXTQ055	40
56	EXTQ056	40
57	EXTQ057	40
58	EXTQ058	40
59	EXTQ059	40
60	EXTQ060	40
61	EXTQ061	40
62	EXTQ062	40
63	EXTQ063	40
64	EXTQ064	40
65	EXTQ065	40

cod.	L mm
EXTQL036	55
EXTQL037	55
EXTQL038	55
EXTQL039	55
EXTQL040	55
EXTQL041	55
EXTQL042	55
EXTQL043	55
EXTQL044	55
EXTQL045	55
EXTQL046	55
EXTQL047	55
EXTQL048	55
EXTQL049	55
EXTQL050	55
EXTQL051	55
EXTQL052	55
EXTQL053	55
EXTQL054	55
EXTQL055	55
EXTQL056	55
EXTQL057	55
EXTQL058	55
EXTQL059	55
EXTQL060	55

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. EX02

perno espulsione/ejector pin/ejecteur

Ø 6,35x90 mm

EXTQ Ø 12>65

cod. EX06

perno espulsione/ejector pin/ejecteur

Ø 6,35x116 mm

EXTQ within EX08 ADAPTER

cod. EX08

adattatore/adapter/adaptateur

EXTQ attacco/shank/emboute Weldon mm 19 > Quick-in 18 mm

**cod. EX05**

adattatore/adapter/adaptateur

perno espulsione/ejector pin/ejecteur

ø 6,35x103 mm

EXTQL ø 12<60

**cod. EX07**

adattatore/adapter/adaptateur

perno espulsione/ejector pin/ejecteur

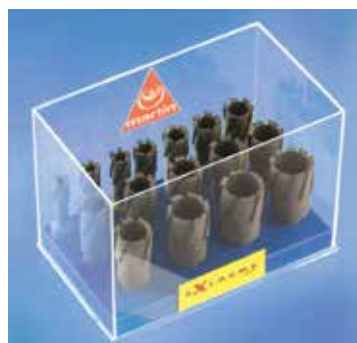
ø 6,35x130 mm

EXTQL ø 12<60 within EX08 ADAPTER

ESPOSITORI**DISPLAY****PRESENTOIRS****cod. EXTQ406**

EXTQ kit 6 pcs

ø 14-16-18-20-22-26+ 4 EX02

**cod. EXTQESP16**

EXTQ espositore/display/presentoir 16 pcs

ø 14-16-18-20-22-25-25-2x 26-28-29-30-32-34-35-36

/ IT

UTENSILERIA / ACCESSORI ATTACCO
 QUICK-IN PER FRESE A CORONA / EXGQ-
 EXTQ - EXTQL

/ EN

TOOLING / SPARE PARTS SHANK QUICK-IN
 FOR ANNULAR CUTTER / EXGQ- EXTQ -
 EXTQL

/ FR

OUTILLAGE / ACCESSOIRES EMBOUTE
 QUICK-IN FOR FRAISE À CAROTTER /
 EXGQ- EXTQ - EXTQL



cod. EX03

attacco/shank/emboute Quick-in 18 mm > Weldon 19 mm

foro \varnothing 6,35 mm

FEIN machines -use with cod. EX05 - EX06 - EX20

cod. EX08

attacco/shank/emboute Weldon 19 mm > Quick-in 18 mm

FEIN machines - use with cod. EX06-EX07 - EX20

cod. EX06

perno espulsione/ejector pin/ejecteur

\varnothing 6,35x116 mm

with EX08 - EX03 ADAPTER

cod. EX20

perno espulsione/ejector pin/ejecteur

\varnothing 6,35X160 mm for EXTL

with EX03 - EX08 ADAPTER

/ IT

**UTENSILERIA / ACCESSORI ATTACCO
WELDON PER FRESE A CORONA / EXS -
EXSL - EXG - EXGL - EXG8L - EXGXL - EXT
- EXTL - EXT8L - EXTXL - EXTXXL**

/ EN

**TOOLING / SPARE PARTS SHANK WELDON
FOR ANNULAR CUTTERS / EXS - EXSL -
EXG - EXGL - EXG8L - EXGXL - EXT - EXTL
- EXT8L - EXTXL - EXTXXL**

/ FR

**OUTILLAGE / ACCESSOIRES EMBOUTE
WELDON FOR FRAISE À CAROTTER / EXS -
EXSL - EXG - EXGL - EXG8L - EXGXL - EXT
- EXTL - EXT8L - EXTXL - EXTXXL**



cod. EX110

cono morse 3 /marse taper 3/cone morse 3

CM3 - weldon 19 mm

∅ 12<60 mm

cod. EX100

cono morse 2 /marse taper 2/cone morse 2

CM2 - weldon 19 mm

∅ 12<60 mm

cod. EX120

cono morse/marse taper/cone morse

CM4 - weldon 19 mm

∅ 60-100 mm

cod. EX210

cono morse/marse taper/cone morse

CM3 - weldon 32 mm

∅ 61<100 mm

cod. EX220

cono morse/marse taper/cone morse

CM4 - weldon 32 mm

∅ 100 <150 mm



cod. EX100R

mandrino cambio rapido/quick change/mandrine change rapide

CM2 - weldon 19 mm

∅ 12<55 mm

cod. EX110R

mandrino cambio rapido/quick change/mandrine change rapide

CM3 - weldon 19/32 mm

> ∅ 55 mm

cod. EX111R

cambio rapido+lubrificazione/quick change+internal cooling/change rapide+lubrification

CM3 - weldon 19 mm

> ∅ 55 mm



cod. EX111

lubrificazione interna/internal cooling/lubrification interieure

CM3 - weldon 19 mm

> \varnothing 55 mm

€ 275,00

cod. EX411

lubrificazione interna/internal cooling/lubrification interieure

CM4 - weldon 32 mm

Recommend for \varnothing more than 100 mm

€ 312,00



cod. EX101

lubrificazione interna/internal cooling/lubrification interieure

CM2 - weldon 19 mm

\varnothing 12<55 mm

cod. EX211

lubrificazione interna/internal cooling/lubrification interieure

CM3 - weldon 32 mm

\varnothing 55<100 mm

cod. EXW122

mandrino/chuck/mandrin 1-13 mm

for Optibohr machines

RACCORDI

ADAPTERS



RACCORDS

cod. EX03

attacco/shank/emboute Quick-in 18 mm > Weldon 19 mm

foro \varnothing 6,35 mm

FEIN machines -use with cod. EX05 - EX06 - EX20

cod. EX04

attacco/shank/emboute Quick-in 18 mm > Weldon 19 mm

foro \varnothing 8 mm

FEIN machines -use with cod. EX12 - EX13 - EX21

cod. EX08

attacco/shank/emboute Weldon 19 mm > Quick-in 18 mm

foro \varnothing 6,35mm

FEIN machines - use with cod. EX06-EX07 - EX20

cod. EX09

attacco/shank/emboute Nitto 19 mm > Weldon 19 mm

NITTO machines -use with cod. EX06



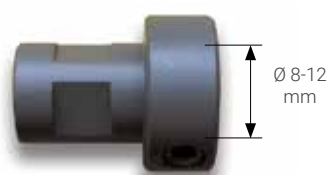
cod. EX19/32

attacco/shank/emboute Weldon 19 mm < 32 mm



cod. EX32/19

attacco/shank/emboute Weldon 32 mm > 19 mm



cod. EXAP

attacco/shank/emboute Weldon 19 mm

per punte elicoidali/for twist drills/pour forets hélicoïdaux

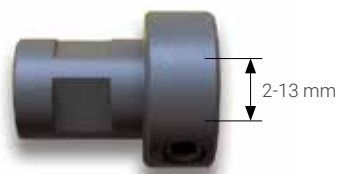
Ø 8<12 mm



cod. EXAM

attacco/shank/emboute Weldon 19 mm

per maschi DIN/for DIN taps/tarauds DIN M4<M16



cod. EXAS

attacco/shank/emboute Weldon 19 mm

per svasatori/countersinks/fraises à chanfreiner

Ø 6,3<31 mm

Perni espulsione / Ejector Pins / Ejecteurs



cod. EX01

perno espulsione/ejector pin/ejecteur

Ø 6,35x76 mm for EXS- EXG Ø 12< 60 mm



cod. EX02

perno espulsione/ejector pin/ejecteur

Ø 6,35x90 mm for EXT- EXTQ Ø 12<17 mm



cod. EX05

perno espulsione/ejector pin/ejecteur

∅ 6,35x103 mm for EXGL -EXTL- EXTQL



cod. EX06

perno espulsione/ejector pin/ejecteur

∅ 6,35x116 mm for EXT-EXTQ

with EX03 - EX08 - EX09 ADAPTER



cod. EX07

perno espulsione/ejector pin/ejecteur

∅ 6,35x130 mm for EXGL -EXTL- EXT8L- EXTQL

with EX03 - EX08 ADAPTER



cod. EX10

perno espulsione/ejector pin/ejecteur

∅ 8x90 mm



cod. EX11

perno espulsione/ejector pin/ejecteur

∅ 8x105 mm for EXTL ∅ 18<60 mm



cod. EX12

perno espulsione/ejector pin/ejecteur

∅ 8x118 mm for EXTL ∅ 61<150 mm

with EX04 ADAPTER



cod. EX13

perno espulsione/ejector pin/ejecteur

∅ 8x130 mm for EXG8L ∅ 18<50 mm

with EX04 ADAPTER



cod. EX14

perno espulsione/ejector pin/ejecteur

∅ 8x160 mm for EXG8L ∅ 18<50 mm

with EX04 ADAPTER

**cod. EX18**

perno espulsione/ejector pin/ejecteur

ø 8x145 mm for EXT8L ø 61>120 mm

**cod. EX20**

perno espulsione/ejector pin/ejecteur

ø 6,35X160 mm for EXTXL ø 14>17 mm

**cod. EX22**

perno espulsione/ejector pin/ejecteur

ø 8x167 mm for EXTXL ø 56>120 mm

**cod. EX23**

perno espulsione/ejector pin/ejecteur

ø 8x205 mm for EXTXL ø 56>120 mm

within EX32/19

/ IT
UTENSILERIA / TRAPANI MAGNETICI

/ EN
TOOLING / MAGNETIC DRILLS

/ FR
OUTILLAGE / PERCEUSES MAGNÉTIQUES /



Cod./Ref	OPTIBHOR 35X	OPTIBHOR 50X	OPTIBHOR 80X	OPTIBHOR 130X
Tensione / Voltage / Tension	230 V 50/60 HZ 110V 50/60 HZ	230 V 50/60 HZ 110V 50/60 HZ	230 V 50/60 HZ 110V 50/60 HZ	230 V 50/60 HZ 110V 50/60 HZ
Potenza / Power / Pouissance	1100 W	1200 W	1800 W	2500 W
D.corona / Cutter diam. / Diam. Fraise	Ø12-35	Ø12-50	Ø12-80/ Ø 20-50 L=110 mm	Ø12-130
Profondità di taglio / Depth cut / Profondeur de coupe	50 mm.	50 mm.	50 mm. / 110 mm.	50 mm. / 150 mm.
Capacità di taglio con punta / Drill bit Cutting specificity / Capacité de coupe avec foret	Ø 1.0 - 13	Ø 1.0 - 16 CM2 MAX.20 mm.	Ø 1.0 - 16 CM3 max. Ø 32 mm.	Ø 1.0 - 16 CM4 max. Ø 45 mm.
Svasatura / Countersinking / Chanfeinage	Ø 6,3 - 40.0 mm.	Ø 6,3 - 40.0 mm.	Ø 6,3 - 55.0 mm.	Ø 6,3 - 80.0 mm.
Filettatura / Threading / Filletage	-	M3 - M20	M3 - M30	M3 - M42
Attacco / Fitting / Attachement	WELDON 19	WELDON19 / CM2	WELDON 19 / CM3	WELDON 19 / CM4
Corsa / Capacity / Course	120 mm.	190 mm	190 mm	230 mm.
Velocità / Speed / Vitesse	450 rpm	1) 250 rpm 2) 450 rpm	1) 110 rpm 2) 175 rpm 3) 245 rpm 4) 385 rpm	1) 30/80 rpm 2) 50/120 rpm 3) 130/350 rpm 4) 210/550 rpm
Adesione Magnetica / Magnetic Adhesion / Adhesion magnetique	9000 N	11000 N	13000 N	32000 M
Dim. Magnete / Magnetic Base dim. / Dim. Socle magnetique	70 mm x 185 mm	92 mm x 220 mm	92 mm. x 220 mm	90 mm x 400 mm
Peso / Weight / Poids	10.6 Kg.	15.0 kg.	19.5 kg.	37 kg.

Caratteristiche di serie / Technical advises / Fiche technique:

Avviamento dolce A39 / Flex-start / Démarrage souple	•	•	•	•
Cambio a bagno d'olio / Oil bath hub / Boite de vitesse à l'huile		•	•	•
Frizone di serie / Friction / Embrayage			•	•
Tastiera a membrana / Protected Switches / Protection des interrupteurs	•	•	•	•
Sensore led di adesione / Led adhesion sensor / Senseur de tension à led	•	•	•	•

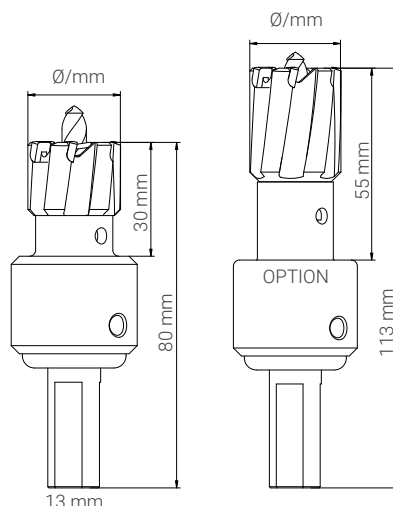
/ IT

**UTENSILERIA / FRESE A TAZZA HM /
OPTIMA**

/ EN

**TOOLING / CARBIDE TIPPED HOLE
CUTTERS / OPTIMA**

/ FR

**OUTILLAGE / TRÉPANS À DENTS CARBURE
/ OPTIMA**

**FRESE A CORONA CON DENTI IN METALLO
DURO PER LAVORI GRAVOSI E INTENSIVI.**

- Tripla geometria di affilatura e attacchi intercambiabili.
- Attacco: codolo 13 mm - cono morse - Weldon - Quick in
- Profondità di foratura: 30 - 55 mm
- Utilizzo: acciai, acciai altolegati, ghise, inossidabili, Hardox, Inconel, Weldom fino a 1400 N, manganese, alluminio e leghe, rame, materie plastiche.

**CARBIDE TIPPED ANNULAR CUTTERS FEATURED
FOR HARD AND INTENSIVE WORKS ON HARD
AND ALLOYED MATERIALS.**

- Three types of teeth and shank interchangeable.
- Shank: 13 mm - morse taper - Weldon - Quick in
- Cutting depth: 30-55 mm
- Use tips: Stainless Steel, Alloyed steel, Hardox, Inconel, Weldom until 1400 N, Aluminum, cooper brass, plastic materials, manganese

**TRÉPANS À PLAQUETTES CARBURE POUR
TRAVAIL INTENSIF SUR LES ACIERS INOX ET
DIFFICILES À USINER.**

- Trois différentes types de dents - queue interchangeable
- Attaque: queue 13 mm - cone morse - Weldon - Quick in
- Disponible en deux profondeurs de coupe : 30-55 mm
- Conseils d'utilisation : Inox, aciers, aciers fortement lié, Hardox, Inconel, Weldom jusqu'à 1400 N, aluminium et alliages, cuivre, matières plastiques, manganèse.

Cod. OP corona completa - core bit with shank 8 drill - trépan avec queue et foret.

Cod. OPL solo corona - onkly core bit - trépan seule

Ø mm	cod.	L mm
14	OP014000	30
15	OP015000	30
16	OP016000	30
17	OP017000	30
18	OP018000	30
19	OP019000	30
20	OP020000	30
21	OP021000	30
22	OP022000	30
23	OP023000	30
24	OP024000	30
25	OP025000	30
26	OP026000	30
27	OP027000	30
28	OP028000	30
29	OP029000	30
30	OP030000	30
31	OP031000	30

cod.	L mm
OPL014	55
OPL015	55
OPL016	55
OPL017	55
OPL018	55
OPL019	55
OPL020	55
OPL021	55
OPL022	55
OPL023	55
OPL024	55
OPL025	55
OPL026	55
OPL027	55
OPL028	55
OPL029	55
OPL030	55
OPL031	55

Ø mm	cod.	L mm
32	OP032000	30
33	OP033000	30
34	OP034000	30
35	OP035000	30
36	OP036000	30
37	OP037000	30
38	OP038000	30
39	OP039000	30
40	OP040000	30
41	OP041000	30
42	OP042000	30
43	OP043000	30
44	OP044000	30
45	OP045000	30
46	OP046000	30
47	OP047000	30
48	OP048000	30
49	OP049000	30
50	OP050000	30
51	OP051000	30
52	OP052000	30
53	OP053000	30
54	OP054000	30
55	OP055000	30
56	OP056000	30
57	OP057000	30
58	OP058000	30
59	OP059000	30
60	OP060000	30
61	OP061000	30
62	OP062000	30
63	OP063000	30
64	OP064000	30
65	OP065000	30
66	OP066000	30
67	OP067000	30
68	OP068000	30
69	OP069000	30
70	OP070000	30
71	OP071000	30
72	OP072000	30
73	OP073000	30
74	OP074000	30
75	OP075000	30
76	OP076000	30
77	OP077000	30
78	OP078000	30
79	OP079000	30
80	OP080000	30
81	OP081000	30
82	OP082000	30
83	OP083000	30
84	OP084000	30

cod.	L mm
OPL032	55
OPL033	55
OPL034	55
OPL035	55
OPL036	55
OPL037	55
OPL038	55
OPL039	55
OPL040	55
OPL041	55
OPL042	55
OPL043	55
OPL044	55
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OPL070	55
OPL071	55
OPL072	55
OPL073	55
OPL074	55
OPL075	55
OPL076	55
OPL077	55
OPL078	55
OPL079	55
OPL080	55
-	-
-	-
-	-
-	-

Ø mm	cod.	L mm
85	OP085000	30
86	OP086000	30
87	OP087000	30
88	OP088000	30
89	OP089000	30
90	OP090000	30
91	OP091000	30
92	OP092000	30
93	OP093000	30
94	OP094000	30
95	OP095000	30
100	OP100000	30
105	OP105000	30
110	OP110000	30
115	OP115000	30
120	OP120000	30
125	OP125000	30
130	OP130000	30
135	OP135000	30
140	OP140000	30
145	OP145000	30
150	OP150000	30

cod.	L mm
OPL085	55
-	-
-	-
-	-
-	-
OPL090	55
-	-
-	-
-	-
OPL095	55
OPL100	55
OPL105	55
OPL110	55
OPL115	55
OPL120	55
OPL125	55
OPL130	55
OPL135	55
OPL140	55
OPL145	55
OPL150	55

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMANDÉE - RPM

Obligatoire bonne lubrification

Ø mm	acciaio steel acier	inox stainless inox	alluminio aluminum aluminium
14-20	800	550	1000
21-25	650	450	800
26-30	550	380	650
31-35	480	320	550
36-40	400	280	480
41-45	360	250	430
46-50	320	225	400
51-55	290	200	350
56-60	270	190	320
61-65	250	175	295
66-70	230	160	275
71-75	210	150	260
76-80	200	140	240
85	190	130	225
90	175	125	215
95	170	120	200
100	160	110	190
105-110	140	110	180
110-115	130	105	160
120-125	120	95	150
130-135	100	85	135
140-150	90	75	120

Per inox indispensabile buona lubrificazione
 Mandatory good lubrication for stainless
 Obligatoire bonne lubrification sur inox

OPZIONI DI MONTAGGIO
MOUNTING OPTIONS
OPTIONS DE MONTAGE

ACCESSORI
SPARE PARTS
ACCESSOIRES

cod. OPALB06

albero / arbor / arbre

 \varnothing 6 mm + OP06 - codolo/shank/queue 13 mm

 for OP \varnothing 14<60 mm

cod. OPALB08

albero / arbor / arbre

 \varnothing 8 mm + OP08 - codolo/shank/queue 13 mm

 for OP \varnothing 61<100 mm

cod. OPALB09

albero / arbor / arbre

 \varnothing 8 mm + OP08 - codolo/shank/queue 13 mm

 for OP \varnothing 105<150 mm

**cod. CM2OP**

cono morse CM2/morse taper MT2/cone morse CM2

use with OP08 8x80 mm for OP - use with OP012 8x110 mm for OPL

for \varnothing 14<100 mm**cod. CM3OP**

cono morse CM3/morse taper MT3/cone morse CM3

use with OP08 8x80 mm for OP - use with OP012 8x110 mm for OPL

for \varnothing 14<100 mm**cod. CM3OP/A**

cono morse CM3/morse taper MT3/cone morse CM3

use with OP08 8x80 mm for OP - use with OP012 8x110 mm for OPL

for \varnothing 105<150 mm**cod. C4OP/A**

cono morse CM4/morse taper MT4/cone morse CM4

use with OP08 8x80 mm for OP - use with OP012 8x110 mm for OPL

for \varnothing 105<150 mm**cod. OPW**

adattatore/adapter/adaptateur

WELDON 19 mm

for OPTIMA 30-55 \varnothing 15<100 mm**cod. OPW2**

adattatore/adapter/adaptateur

WELDON 32 mm \varnothing 6 mmfor OPTIMA 30-55 \varnothing 105<150 mm**cod. OPW3**

adattatore/adapter/adaptateur

WELDON 32 mm \varnothing 8 mmfor OPTIMA 30-55 \varnothing 105<150 mm**cod. OPQ**

adattatore/adapter/adaptateur

QUICK-in for FEIN machines

for OPTIMA 30-55 mm \varnothing 14>65 mm


cod. OP06

punta pilota + molla / center drill + spring / foret + ressort

∅ 6X66 mm + MOLLA05

for OPTIMA 30 mm ∅ 15>60 mm


cod. OPM6

punta pilota + molla / center drill + spring / foret + ressort

TCT ∅ 6 mm X MANGANESE

for OPTIMA 30 mm ∅ 15>60 mm


cod. OP08

punta pilota + molla / center drill + spring / foret + ressort

∅ 8X80 mm + MOLLA08

for OPTIMA 30 mm ∅ 61>100 mm


cod. OP11

punta pilota + molla / center drill + spring / foret + ressort

∅ 6X110 mm + MOLLA05

for OPTIMA 55 mm ∅ 15>60 mm


cod. OP12

punta pilota + molla / center drill + spring / foret + ressort

∅ 8X110 mm + MOLLA08

for OPTIMA 55 mm ∅ 61>150 mm


cod. OP10

punta pilota + molla / center drill + spring / foret + ressort

for OPM 6,34X80 mm


cod. OP07

perno espulsione/ejector pin/pin ejecteur

∅ 6,35X102 mm

for OPTIMA 30 mm ∅ 14>100 mm - use with: OPW-OPW2-OPQ


cod. OP09

perno espulsione/ejector pin/pin ejecteur

∅ 8X118 mm

for OPTIMA 30 mm ∅ 105>150 mm - use with OPW3

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. OPESP013

OPTIMA 13 pcs

ø 16-18-20-22-25-27-30-32-35-40-45-50-60

cod. OPKIT10

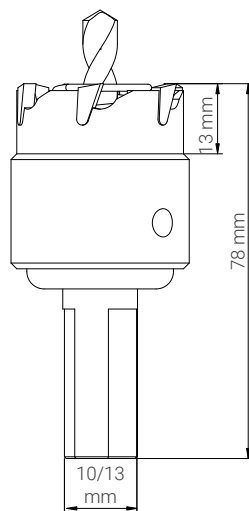
OPTIMA kit weldon-fein 10 pcs

ø 14-16-18-20-22-26 EX07-OPALB06-OPQ-OPW

/ IT

UTENSILERIA / FRESE A TAZZA HM / BRAVO

/ EN

TOOLING / CARBIDE TIPPED HOLE CUTTERS / BRAVO

/ FR

OUTILLAGE / TRÉPANS À DENTS CARBURE / BRAVO**FRESE A TAZZA CON DENTI IN METALLO DURO PER LAMIERE E PROFILATI.**

- Attacco: codolo 10 mm. e 13 mm.
- Profondità di foratura: 5 mm.
- Utilizzo: lamiera di acciaio, acciaio inossidabile fino a 1000 N.

CARBIDE TIPPED ANNULAR FOR SHEET METAL AND PROFILES.

- Shank: 10/13 mm.
- Maximum cutting depth 5 mm
- Use tips: Sheet Metal. Stainless steel until 1000 N.

TRÉPANS A PLAQUETTES CARBURE POUR TÔLE ET PROFILÉS.

- Attaque: queue 10 mm et 13 mm.
- Profondeur de coupe: 5 mm
- Conseils d'utilisation: Tôle en acier, acier INOX jusqu'à 1000 N

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMANDÉE - RPM

Obligatoire bonne lubrification

Ø mm	acciaio legato steel acier	acciaio inox inox	ferro iron fer
20	600	400	800
30	400	280	550
40	300	200	400
50	250	160	320
60	200	130	260
80	150	100	200
100	120	80	160

Opzione codolo 10 mm
Option 10 mm shank
Option queue 10 mm

cod.	Ø mm
BR016000	16
BR017000	17
BR018000	18
BR019000	19
BR020000	20
BR021000	21
BR022000	22
BR023000	23
BR024000	24
BR025000	25
BR026000	26
BR027000	27
BR028000	28
BR029000	29
BR030000	30
BR031000	31
BR032000	32
BR033000	33
BR034000	34
BR035000	35
BR036000	36
BR037000	37
BR038000	38
BR039000	39
BR040000	40
BR041000	41
BR042000	42
BR043000	43
BR044000	44
BR045000	45
BR046000	46
BR047000	47
BR048000	48
BR049000	49
BR050000	50

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. OPALB06

albero / arbor / arbre 13 mm

ø 6 mm + PUN047

for BR ø 30-50



cod. PUN047

punta pilota + molla / center drill + spring / foret + ressort

ø 6x47 mm

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. BRESP019

BR 19 pcs

ø 16-20-21-22-23-25-26-27-29-30-32-33-34-35-40-45-50-52-60

/ IT

UTENSILERIA / SEGHE A TAZZA
BIMETALLICHE HSS - HSSCO8% / RINGO

/ EN

TOOLING / HSS - HSSCO8% BIMETAL HOLE
SAWS / RINGO

/ FR

OUTILLAGE / SCIES CLOCHE BIMETAL HSS -
HSSCO8% / RINGO



LEGNO



SEGHE A TAZZA HSS M3 DENTATURA A PASSO VARIABLE 4/6"

- Attacco: codolo 10 mm e 13 mm.
- Profondità di foratura: 34 mm.
- Utilizzo: ferro, compositi, alluminio, cartongesso, legno, plastiche.

BIMETAL HOLE SAWS WITH 4/6" VARIABLE PITCH

- Shank: 10/13 mm shank.
- Drilling deep: 34 mm.
- Use tips: Sheet Metal, Aluminum, Carton board, Wood, Plastic Materials.

SCIES-CLOCHES BIMETAL EN HSS M3 A PAS VARIABLE 4/6 "

- Attaque : Queue 10 mm et 13 mm.
- Profondeur de coupe : 34 mm.
- Conseils d'utilisation : Tôle en acier, aluminium, Placoplatre, bois, matières plastiques.

cod.	Ø mm	pollici inch pouces
RI014000	14	9/16
RI016000	16	5/8
RI017000	17	11/16
RI019000	19	3/4
RI020000	20	25/38
RI021000	21	13/16
RI022000	22	7/8
RI024000	24	15/16
RI025000	25	1
RI027000	27	1-1/16
RI029000	29	1-1/18
RI030000	30	1-3/16
RI032000	32	1-1/14
RI033000	33	1-5/16
RI035000	35	1-3/8
RI037000	37	1-7/16
RI038000	38	1-1/2
RI040000	40	1-9/16
RI041000	41	1-5/8
RI043000	43	1-11/16
RI044000	44	1-3/4
RI045000	45	M. (metrico)

cod.	Ø mm	pollici inch pouces
RI046000	46	1-13/16
RI048000	48	1-7/8
RI050000	50	M. (metrico)
RI051000	51	2
RI052000	52	2-1/16
RI054000	54	2-1/8
RI057000	57	2-1/4
RI059000	59	2-5/16
RI060000	60	2-3/8
RI064000	64	2-1/12
RI065000	65	2-9/16
RI067000	67	2-5/8
RI068000	68	11/16
RI070000	70	2-3/4
RI073000	73	2-7/8
RI075000	75	M. (metrico)
RI076000	76	3
RI079000	79	3-1/8
RI083000	83	3-1/4
RI086000	86	3-3/8
RI089000	89	3-1/2
RI092000	92	3-5/8
RI095000	95	3-3/4
RI098000	98	3-7/8
RI100000	100	M. (metrico)
RI102000	102	4
RI105000	105	4-1/8
RI108000	108	4-1/4
RI111000	111	4-3/8
RI114000	114	4-1/4
RI121000	121	4-3/4
RI127000	127	5
RI133000	133	M. (metrico)
RI140000	140	5-1/12
RI146000	146	5-3/4
RI152000	152	6
RI160000	160	6-1/3
RI162000	162	6-3/8
RI168000	168	6-5/8
RI175000	175	6-7/8
RI177000	177	7
RI200000	200	M. (metrico)

/ IT

UTENSILERIA / SEGHE A TAZZA
BIMETALLICHE HSS - HSSCO8% / RINGO
CO8%

/ EN

TOOLING / HSS - HSSCO8% BIMETAL HOLE
SAWS / RINGO CO8%

/ FR

OUTILLAGE / SCIES CLOCHE BIMETAL HSS -
HSSCO8% / RINGO CO8%



SEGHE A TAZZA HSS Co8% DENTATURA A PASSO
VARIABLE 4/6"

- Attacco: codolo 10 mm e 13 mm.
- Profondità di foratura: 38 mm.
- Utilizzo: ferro, acciaio inossidabile, compositi, alluminio, legno, plastiche.

HSS Co8% BIMETAL HOLE SAWS WITH 4/6"
VARIABLE PITCH

- Shank: 10/13 mm shank.
- Drilling deep: 38 mm
- Use: Sheet Metal, Aluminum, Stainless Steel, Wood, Plastic Materials.

SCIES-CLOCHES BIMETAL EN HSS Co8% A PAS
VARIABLE 4/6 "

- Attaque : Queue 10 mm et 13 mm.
- Profondeur de coupe : 38 mm.
- Conseils d'utilisation : Tôle en acier, INOX, aluminium, bois, matières plastiques.

cod.	Ø mm	pollici inch pouces
RIC016	16	5/8
RIC017	17	43/64
RIC019	19	3/4
RIC020	20	25/32
RIC021	21	53/64
RIC022	22	7/8
RIC024	24	15/16
RIC025	25	1
RIC027	27	1.1/16
RIC028	28	1.7/64
RIC029	29	1.9/64
RIC030	30	1.3/16
RIC032	32	1.1/4
RIC033	33	1.19/64
RIC035	35	1.3/8
RIC037	37	1.29/64
RIC038	38	1.1/2
RIC040	40	1.37/64
RIC041	41	1.5/8
RIC043	43	1.1/16
RIC044	44	1.3/4

cod.	Ø mm	pollici inch pouces
RIC045	45	1.49/64
RIC046	46	1.13/16
RIC048	48	1.7/8
RIC050	50	1.31/32
RIC051	51	2
RIC052	52	2.3/64
RIC054	54	2.1/8
RIC055	55	2.11/16
RIC057	57	2.1/4
RIC059	59	2.21/64
RIC060	60	2.3/8
RIC064	64	2.1/2
RIC065	65	2.9/16
RIC067	67	2.5/8
RIC068	68	2.43/64
RIC070	70	2.3/4
RIC073	73	2.7/8
RIC075	75	2.61/64
RIC076	76	3
RIC079	79	3.1/8
RIC080	80	3.1/8
RIC083	83	3.1/4
RIC086	86	3.3/8
RIC089	89	3.1/2
RIC092	92	3.5/8
RIC095	95	3.3/4
RIC098	98	3.7/8
RIC100	100	3.15/16
RIC102	102	4
RIC105	105	4.9/64
RIC108	108	4.1/4
RIC111	111	4.3/8
RIC114	114	4.1/2
RIC121	121	4.3/4
RIC127	127	5
RIC133	133	5.15/64
RIC140	140	5.1/2
RIC146	146	5-3/4
RIC152	152	6
RIC160	160	6.5/16
RIC168	168	6.5/8
RIC177	177	6.31/32
RIC200	200	7.7/8
RIC210	210	8.17/64
RIC220	220	8.21/32
RIC233	233	9.11/64
RIC250	250	9.27/32
RIC260	260	10.15/64
RIC265	265	10.7/16
RIC280	280	11
RIC305	305	12

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. RIESP022

RINGO 22 pcs

∅ 16-19-20-21-22-24-25-27-29-30-32-33-35-40-51-54-60-2xRIALB09-1xRI-ALBM11-2xRIALBP11

cod. RICESP022

RINGO COBALTO 22 pcs



cod. RIESP047

RINGO 47 pcs

∅ 16-19-20x2-21-22x2-24-25x2-27-30x2-32-35x2-38-40x2-43-46-48-51x2-54-60x2-64-65-70-76-79-83-92-102-114-121-4xRIALB09-3xRIALBM11-3xRIALBP11

cod. RICESP047

RINGO COBALTO 47 pcs



cod. KITEL

RINGO 6 pcs KIT for ELETTRICISTI/ELECTRICIAN/ELECTRICIEN

∅ 22-29-35-44-51-64+RIALB09+RIALBP11

cod. KITELC8

RINGO COBALTO 6 pcs KIT for ELETTRICISTI/ELECTRICIAN/ELECTRICIEN



cod. KITID

RINGO 6 pcs KIT for IDRAULICI/PLUMBER/HYDRAULIQUE

∅ 19-22-29-38-44-57+RIALB09+RIALBP11

cod. KITIDC8

RINGO COBALTO 6 pcs KIT for IDRAULICI/PLUMBER/HYDRAULIQUE



cod. KITIND

RINGO 11 pcs KIT for INDUSTRIA/INDUSTRY/INDUSTRIE

ø 19-22-25-32-35-38-44-51-57-64-76+RIALB09+RIALBP11+1 brugola



cod. JB17

RINGO 17 pcs KIT MULTIUSO/MULTIPURPOSE/POLYVALENTE

ø 16-19-22-25-27-30-32-35-38-40-44-51-57-60-64-70-76+RIALB09+RIALBP11



cod. JB17C8

RINGO COBALTO 17 pcs KIT MULTIUSO/MULTIPURPOSE/POLYVALENTE

/ IT

UTENSILERIA / ACCESSORI SEGHE A TAZZA
BIMETALLICHE HSS HSSCO8% / RINGO

/ EN

TOOLING / SPARE PARTS HSS HSSCO8%
BIMETAL HOLE SAWS / RINGO

/ FR

OUTILLAGE / ACCESSOIRES EMBOUTE
SCIES CLOCHE BIMETAL HSS HSSCO8% /
RINGO

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMANDÉE - RPM

Obligatoire bonne lubrification

Ø mm	lamiera / ferro sheet m / steel feuille / fer	plastica plastic plastique	legno wood bois
10	580	900	2700
20	440	660	2100
25	350	525	1600
30	285	425	1300
35	250	375	1200
40	220	330	1000
46	190	285	900
51	170	255	750
60	140	220	650
70	125	185	500
79	110	165	450
89	95	145	400
114	75	105	320
210	55	75	200
250	40	60	150

LEGNO: profondità foratura 34 mm
 WOOD: drilling depth 34 mm
 BOIS: profondeur de forage 34 mm

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. RIALB009

albero / arbor / arbre

codolo/shank/queue 9 mm + PUN-75

for RI-RIC Ø 14<30 mm



cod. RIALBM11

albero / arbor / arbre

codolo/shank/queue 11 mm + PUN-75

for RI-RIC Ø 32<305 mm



cod. RIALBP010

albero / arbor / arbre

codolo/shank/queue 10 mm + PUN-75

for RI-RIC Ø 32<152 mm



cod. RIALBP11

albero / arbor / arbre

codolo/shank/queue 12,7 mm + PUN-75

for RI-RIC \varnothing 32<305 mm



cod. RIALBP11/L

albero / arbor / arbre

RIALBP11 + PUN080

for RI-RIC \varnothing 32<305 mm



cod. RIALBSR

albero cambio rapido/ arbor quick change/ arbre change rapide

adattatore/adapter/adaptateur UNF 1/2+PUN-75

for RI - RIC \varnothing 14>30 mm



cod. RIPRO300

prolunga/holder/rallonge

300 mm

for RI-RIC \varnothing 32<305 mm - use with RIBOCPRO



cod. RIBOCPRO

boccola/bush/ boite d'essieu

for RI-RIC \varnothing 32<305 mm - use with RIPRO300



cod. RIAD5/8

adattatore/adapter/adaptateur

5/8 UNF

for RI-RIC \varnothing 32<305 mm



cod. PUN-75

punta/ center drill /foret

75 mm

for RIALB09-RIALBM11-RIALBP11



cod. PUN080

punta/ center drill /foret

6,35x80 mm

for RIALBP11/L

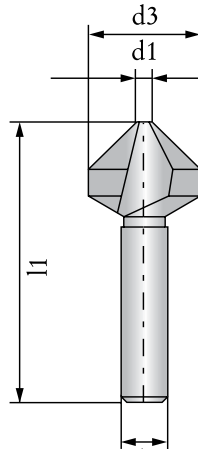
/ IT

UTENSILERIA / SVASATORI / 3T HM
ASIMMETRICI 90° DIN 335 C



/ EN

TOOLING / COUNTERSINKS / CARBIDE 3T
ASYMMETRICAL 90° DIN 335 C



/ FR

OUTILLAGE / FRAISE À CHANFREINER /
CARBURE 3D ASYMMETRIQUES 90° DIN
335 C



SVASATORI 90° M.D. ASIMMETRICI 3T DIN 335 C

- in metallo duro integrale
- Utilizzo: acciai altoresistenziali fino a 1400 N, Hardox 500, Nimonic, titanio, inossidabili

H.M. COUNTERSINKS 90° 3T ASYMMETRICAL FLUTES DIN 335 C

- Use: on high resistance steel up to 1400 N, Hardox 500, Nimonic, Titan, Stainless steel

FRAISES A CHANFREINER A 90° EN CARBURE - 3 DENTS ASYMMETRIQUES - DIN 335 C

- Utilisation : à haute résistance jusqu'à 1400 N, Hardox 500, Nimonic, Titanium, INOX

cod.	d3	d1	d2	L1	z	screw
SVAHM06,30	5,00	6,30	1,50	45	3	M3
SVAHM08,30	6,00	8,30	2,00	50	3	M4
SVAHM10,40	6,00	10,40	2,50	50	3	M5
SVAHM12,40	8,00	12,40	2,80	56	3	M6
SVAHM16,50	10,00	16,50	3,20	60	3	M8
SVAHM20,50	10,00	20,50	3,50	63	3	M10
SVAHM25,00	10,00	25,00	3,80	67	3	M12
SVAHM31,00	12,00	31,00	4,20	71	3	M14/16

/ IT

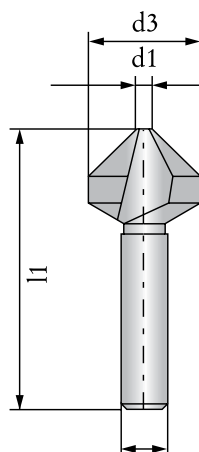
UTENSILERIA / SVASATORI / 3T HSSCO8%
ASIMMETRICI 90° DIN 335 C

/ EN

TOOLING / COUNTERSINKS / HSSCO8% 3T
ASYMMETRICAL 90° DIN 335 C

/ FR

OUTILLAGE / FRAISE À CHANFREINER / 3D
HSSCO8% ASYMMETRIQUES 90° DIN 335 C



**SVASATORI 90° HSS+CO 8% - CO8% TIALN
ASIMMETRICI 3T DIN 335 C**

- Ad alta efficienza con divisione asimmetrica (100°-120°-140°)
- Perfette superfici, stabilità, assenza di vibrazioni, grande durata.
- Utilizzo: materiali ferrosi e non, acciai altolegati, acciai inossidabili fino a 1100 N

**HSS-CO8% 90° - CO8% TIALN COUNTERSINKS
DIN 335 C**

- 3 ASYMMETRICAL FLUTES division (100°-120°-140°)
- Total absences of vibrations, perfect properties of cutting and longer life.
- Use: on ferrous and non-ferrous-materials, hard steels and stainless steels up 1100 N.

**FRAISES A CHANFREINER 90° EN HSS-CO8%-
CO8% TIALN - DIN 335 C**

- Division 3 DENTS ASYMMETRIQUES (100°-120°-140°)
- Absence de vibrations pendant l'opération de chanfreinage et un haut niveau de finition.
- Utilisation: sur matériaux ferreux et non, aciers durs et INOX jusqu'à 1100 N.

HSS + Co8%

cod.	d3	d1	d2	L1	z	screw
SVAC06,30	5,00	6,30	1,50	45	3	M3
SVAC08,30	6,00	8,30	2,00	50	3	M4
SVAC10,40	6,00	10,40	2,50	50	3	M5
SVAC12,40	8,00	12,40	2,80	56	3	M6
SVAC16,50	10,00	16,50	3,20	60	3	M8
SVAC20,50	10,00	20,50	3,50	63	3	M10
SVAC25,00	10	25	3,8	67	3	M12
SVAC31,00	12	31	4,2	71	3	M14/16

HSS + Co8% + TIALN

cod.	d3	d1	d2	L1	z	screw
SVACT06,30	5,00	6,30	1,50	45	3	M3
SVACT08,30	6,00	8,30	2,00	50	3	M4
SVACT10,40	6,00	10,40	2,50	50	3	M5
SVACT12,40	8,00	12,40	2,80	56	3	M6
SVACT16,50	10,00	16,50	3,20	60	3	M8
SVACT20,50	10,00	20,50	3,50	63	3	M10
SVACT25,00	10	25	3,8	67	3	M12
SVACT31,00	12	31	4,2	71	3	M14/16

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. KSVAC04

SVAC KIT 4 pcs

∅ 10,4-16,5-20,5-25

cod. KSVAC06

SVAC KIT 6 pcs

∅ 6,3-8,3-10,4-12,4-16,5-20,5

/ IT

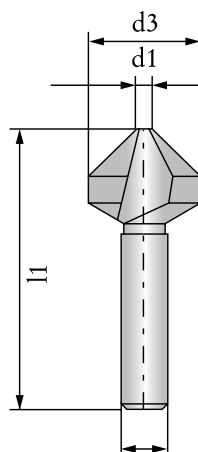
UTENSILERIA / SVASATORI / 3T HSS CO5%
90° 60° DIN 335C

/ EN

TOOLING / COUNTERSINKS / HSS CO5% 3T
90° 60° DIN 335 C

/ FR

OUTILLAGE / FRAISE À CHANFREINER /
HSS CO5% 3D 90° 60° DIN 335C



SVASATORI 60°- 90° HSS+CO 5% 3T DIN 335 C

- Svasatori 60° - 90° a 3 taglienti rettificati M35
- Utilizzo: ferro, materiali non ferrosi, acciai, acciai inossidabili

**HSS-CO5% 60°- 90° COUNTERSINKS – 3 FLUTES
DIN 335 C**

- To be used on Stainless steel, aluminum, steel

**FRAISES A CHANFREINER A 60°- 90° EN HSS-
CO5% 3 DENTS – DIN 335 C**

- Fraises à noyer le têtes de vis – 3 dents rectifiés
- Pour utilisation sur Inox, fers, aciers

90°					
cod.	d3	d1	d2	L1	z
SV06,3Co	1,50	6,30	5,00	45	3
SV08,3Co	2	8,30	6,00	50	3
SV10,4Co	2,50	10,40	6,00	50	3
SV12,4Co	2,80	12,40	8,00	56	3
SV16,5Co	3,20	16,50	10	60	3
SV20,5Co	3,50	20,50	10	63	3
SV25,0Co	3,80	25	10	67	3
SV31,0Co	4,20	31	12	71	3

60°					
cod.	d3	d1	d2	L1	z
SVC6006,30	5,00	6,30	1,60	45	3
SVC6008,00	6,00	8,00	2,00	50	3
SVC6012,50	8,00	12,50	3,20	56	3
SVC6016,00	10,00	16,00	4,00	63	3
SVC6020,00	10,00	20,00	5,00	67	3
SVC6025,00	10,00	25,00	6,30	71	3

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. KSV06Co5%

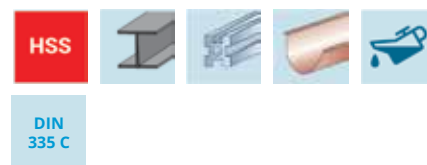
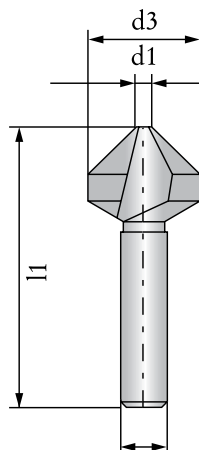
SVØCo KIT 6 pcs

∅ 6,3-8,3-10,4-12,4-16,5-20,5

/ IT
UTENSILERIA / SVASATORI / 3T HSS 90° DIN 335 C

/ EN
TOOLING / COUNTERSINKS / HSS 90° 3T DIN 335 C

/ FR
OUTILLAGE / FRAISE À CHANFREINER / CARBURE 3D 90° DIN 335C



SVASATORI 90° HSS 3T DIN 335 C LUNGH

- HSS - cod. SV per sedi testa viti metriche - Utilizzo: ferro, alluminio, acciaio, materiali plastici
- HSS - cod. SVL codolo lungo, per sedi testa viti metriche - Utilizzo: ferro, alluminio, acciaio, materiali plastici

HSS 90° COUNTERSINKS - 3 FLUTES DIN 335 C LONG SHANK

- HSS cod. SV for seat metric screws - Use: on steel, aluminum, plastic materials
- HSS cod. SVL long shank for seat metric screws - Use: on steel, aluminum, plastic materials

FRAISES A CHANFREINER 90° HSS ET HSS+CO8% 3 DENTS - DIN 335 C LONGUE QUEUE

- HSS cod. SV - Fraises à noyer le têtes de vis. Utilisation : sur fers, aluminium, aciers et matières plastiques
- HSS cod. SVL - Longue queue Fraises à noyer le têtes de vis. Utilisation: sur fers, aluminium, aciers et matières plastiques

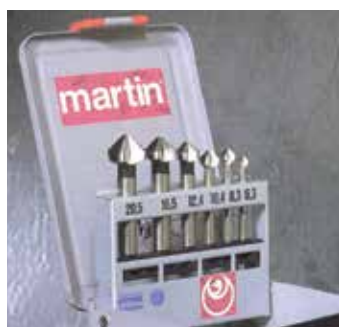
cod.	d3	d1	d2	L1
SV06,3	1,50	6,30	5,00	45
SV08,3	2	8,30	6,00	50
SV10,4	2,50	10,40	6,00	50
SV12,4	2,80	12,40	8,00	56
SV16,5	3,20	16,50	10	60
SV20,5	3,50	20,50	10	63
SV25,0	3,80	25	10	67
SV28,0	4,00	28	12	71
SV31,0	4,20	31	12	71
SV40,0	5,00	40	15	80

cod.	d3	d1	d2	L1
SVL06,30	5,00	6,30	1,50	85
SVL08,30	6,00	8,30	2,00	85
SVL10,40	6,00	10,40	2,50	88
SVL12,40	8,00	12,40	2,80	110
SVL16,50	10,00	16,50	3,2	112
SVL20,50	10,00	20,50	3,5	115
SVL25,00	10,00	25	3,8	118

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. KSV06

SV KIT 6 pcs

∅ 6,3-8,3-10,4-12,4-16,5-20,5

SVESP039

SV KIT 39 pcs

∅ 6x6,36x-8,3-6x10,4-6x12,4-6x16,5-4x20,5-3x25-3x28

/ IT

UTENSILERIA / SVASATORI / 3T HSS 90°
WELDON

/ EN

TOOLING / COUNTERSINKS / 90° HSS 3T
WELDON SHANK

/ FR

OUTILLAGE / FRAISE À CHANFREINER /
HSS 3D 90° WELDON**SVASATORI 90° HSS ATTACCO WELDON 19MM**

- Per macchine magnetiche Optiboehr
- Utilizzo: svasature sedi viti

HSS 90° COUNTERSINKS -WELDON 19MM

- For magnetic machines Optiboehr
- Use: countersinking of seat screw
-

FRAISES À CHANFREINER A 90° HSS WELDON 19MM

- Pour machines magnétiques Optiboehr
- Utilisation : Fraises à noyer le têtes de vis – 3 dents rectifiés

cod.	Ø mm	L
SVW25	25	45
SVW30	30	47
SVW40	40	52
SVW55	55	60



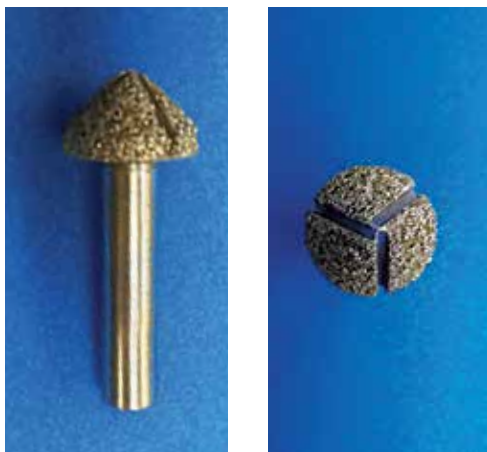
/ IT

UTENSILERIA / SVASATORI / DIAMANTATI
90°

/ EN

TOOLING / COUNTERSINKS / 90°
DIAMOND COATED

/ FR

OUTILLAGE / FRAISE À CHANFREINER /
DIAMANTÉES 90°**SVASATORI 90° DIAMANTATI**

- Svasatori 90° con diamante elettrodeposto.
- Utilizzo: carbonio, materiali aramidici (Kevlar), VTR, abrasivi, vetro, ceramiche, marmi

90° DIAMOND COATED COUNTERSINKS

- To be used on Kevlar, Fiber-Glass, Abrasives Materials, Glass, Ceramic, Marble.

FRAISES À CHANFREINER 90° DIAMANTÉES

- Pour utilisation sur carbone, Kevlar, Fibre de Verre, Matériaux Abrasives, Verres, Céramiques, Marbres.

cod.	Ø mm	L	codolo shank queue
SVD20	20	60	8
SVD25	25	70	8
SVD30	30	70	10

/ IT

UTENSILERIA / SVASATORI / KOMBI

/ EN

TOOLING / COUNTERSINKS / KOMBI

/ FR

OUTILLAGE / FRAISE À CHANFREINER / KOMBI


UTENSILI IN HSS – FORATURA - FILETTATURA - SBAVATURA IN UNA SOLA OPERAZIONE

- Attacco ¼ DIN 3126
- Filettatura metrica da M3 a M10
- Lo spessore massimo del materiale da forare sarà il \varnothing utensile x 2

HSS TOOLS – DRILL – THREAD – COUNTERSINKS IN ONE OPERATION

- Shank ¼ DIN 3126
- Metric thread M3 TO M10
- Maximum depth 2 x \varnothing of the tool

OUTILS EN HSS POUR PERCER – FILETER-CHANFREINER DANS UNE SEULE OPÉRATION

- Emboute ¼ DIN 3126
- Filletage métrique du M3 au M10
- L'épaisseur maxi du matériel à usiné est 2 fois le \varnothing de l'outil



cod.	L	filetto / thread / filet
KOMBI M3	36	6.5
KOMBIM4	39	9
KOMBI M5	41	10
KOMBI M6	44	12
KOMBI M8	50	15
KOMBI M10	59	18.8

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. KKP06

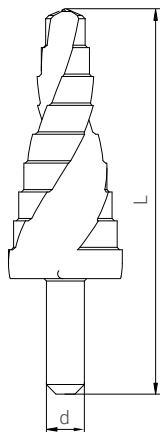
KOMBI KIT HSS 6 pcs

M3-M4-M5-M6-M8-M10

/ IT
UTENSILERIA / ALLARGAFORI A GRADINO
HSS - CONICI / SIRIO

/ EN
TOOLING / HSS STEP AND TAPER DRILLS /
SIRIO

/ FR
OUTILLAGE / FORETS ÉTAGES - CONIQUE
EN HSS / SIRIO



ALLARGAFORI A GRADINO IN HSS RETTIFICATI CON SPIRALE A 35° PER FORARE E ALLARGARE FORI

- SIRIO-S per materie plastiche, ferro, acciai fino a 800 N
- Profondità di foratura: da 4 a 6 mm

HSS STEP DRILLS WITH SPIRAL FLUTES 35°

- SIRIO-S for plastic, iron, steel up to 800 N
- Cutting depth: from 4 to 6 mm

FORETS ETAGÉS RECTIFIÉS A SPIRAL A 35° EN HSS

- Forets etagés rectifiés a spiral a 35° en HSS
- Capacité de perçage: du 4 au 6 mm

cod.	d	L	mm	∅
SIS0412	6	65	4/12	4-5-6-7-8-9-10-11-12
SIS0420	8	71	4/20	4-6-8-10-12-14-16-18-20
SIS0630	10	95	6/30	6-8-10-12-14-16-18-20-22-24-26-28-30
SIS0636	10	82	6/36	6-9-12-15-19-21-24-27-30-33-36
SIS0638	10	100	6/38	6-9-13-16-19-21-23-25-29-32-35-38
SIS0740.5	12	95	7/40.5	7-10.5-12.5-14.5-16.5-18.5-20.5-23.5-30.5-32.5-35.5-40.5

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. SISE08

SIRIO S lucidi 8 pcs

1x7/40.5, 1x6/38, 1x6/36, 2x6/30, 2x4/20, 1x4/12

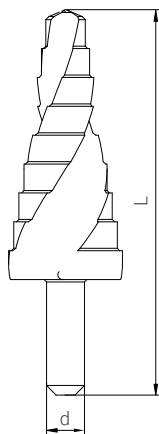
/ IT

UTENSILERIA / ALLARGAFORI A GRADINO
HSS - CONICI / SIRIO TIALN



/ EN

TOOLING / HSS STEP AND TAPER DRILLS /
SIRIO TIALN



/ FR

OUTILLAGE / FORETS ÉTAGÉS - CONIQUE
EN HSS / SIRIO TIALN



ALLARGAFORI A GRADINO IN HSS RETTIFICATI CON SPIRALE A 35° PER FORARE E ALLARGARE FORI

- SIRIO-S TiAlN rivestimento - durezza fino a 3300 HV per acciai alto legati e acciai inossidabili fino a 1000 N
- Profondità di foratura: da 4 a 6 mm

HSS STEP DRILLS WITH SPIRAL FLUTES 35°

- SIRIO-S TiAlN coating - hardness up to 3300 HV for hard steel and stainless steel up to 1000 N
- Cutting depth: from 4 to 6 mm

FORETS ETAGÉS RECTIFIÉS A SPIRAL A 35° EN HSS

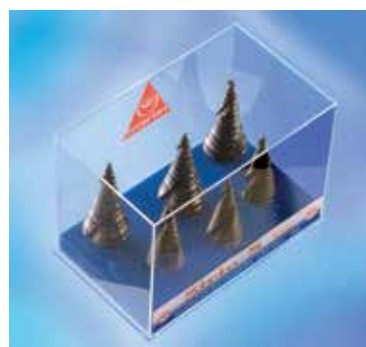
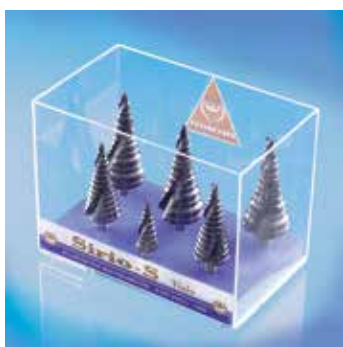
- SIRIO-S TiAlN revêtement - dureté jusqu'à 3300 HV sur acciers fortement lié et acciers Inox jusqu'à 1000 N
- Capacité de perçage: du 4 au 6 mm

cod.	d	L	mm	∅
SIS0412TIALN	6	65	4/12	4-5-6-7-8-9-10-11-12
SIS0420TIALN	8	71	4/20	4-6-8-10-12-14-16-18-20
SIS0630TIALN	10	95	6/30	6-8-10-12-14-16-18-20-22-24-26-28-30
SIS0636TIALN	10	82	6/36	6-9-12-15-19-21-24-27-30-33-36
SIS0638TIALN	10	100	6/38	6-9-13-16-19-21-23-25-29-32-35-38
SIS0740.5TIALN	12	95	7/40.5	7-10.5-12.5-14.5-16.5-18.5-20.5-23.5-30.5-32.5-35.5-40.5

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. SIESP06/A

SIRIO TiAlN 6 pcs

6 pcs 3x7/40.5-2x6/30-4/20

cod. SISESP06/B

SIRIO TiAlN 6 pcs

6 pcs 3x7/40.5-3x6/30

/ IT
UTENSILERIA / ALLARGAFORI A GRADINO
 HSS - CONICI / **RAIDER**

/ EN
TOOLING / HSS STEP AND TAPER DRILLS /
RAIDER

/ FR
OUTILLAGE / FORETS ÉTAGES - CONIQUE
 EN HSS / **RAIDER**



cod.	mm
RA2540	25x40
RA3250	32x50
RA4560	45x60

**FRESA CONICA IN HSS PER FORARE E
 ALLARGARE FORI SU LAMIERE E PROFILATI.**

**HSS MILLING CUTTERS FOR SHEET METAL AND
 PROFILES.**

**FRAISE-AUTO EN HSS POUR ÉVASER ET GRANDIR
 LES TROUS SUR TÔLE ET PROFILS.**

/ IT
UTENSILERIA / ALLARGAFORI A GRADINO
 HSS - CONICI / **GRINTA**

/ EN
TOOLING / HSS STEP AND TAPER DRILLS /
GRINTA

/ FR
OUTILLAGE / FORETS ÉTAGES - CONIQUE
 EN HSS / **GRINTA**



cod.	mm
GR0314	3/14
GR0420	4/20
GR0430	4/30
GR1630	16/30
GR2640	26/40
GR3550	35/50
GR4061	40/61

**ALLARGAFORI CONICI PER FORARE O
 ALLARGARE FORI FINO A 61 MM**

- Per l'industria, l'artigianato e l'hobbistica
- Materiali fino a mm 4: lamiera, tubi, profilati, resine e laminati

Si consiglia sempre di lubrificare

**HSS TAPER DRILL TO DRILL AND ENLARGE
 HOLES**

- For industry, handicraft, hobby
- Materials until 4 mm: sheet metal, tubes, metal profiles, resins

We suggest a good lubrication

**FORETS CONIQUES EN HSS POUR PERCAGE ET
 ÉLARGISSEMENT DES TROUS JUSQU' À 61 MM**

- Pour l'industrie, l'artisanat et hobby
- Matériaux jusqu'à 4 mm : tôle, tubes, profils métalliques, résines

Nous conseillons une bonne lubrification

/ IT

UTENSILERIA / FRESE ROTATIVE IN HSS - HM

/ EN

TOOLING / HSS AND CARBIDE BURRS

/ FR

OUTILLAGE / FRAISES ROTATIVES EN HSS ET CARBURE



FRESE ROTATIVE IN METALLO DURO E IN HSS

- Le Frese rotative prodotte dalla Martin si indirizzano ad un uso professionale. Adatte per utilizzo su trapani, smerigliatrici assiali.
- Le frese rotative in metallo duro sono consigliate su utensili pneumatici / elettrici con velocità non inferiore a 10000 giri.
- Le frese rotative in HSS sono consigliate per uso su elettrotensili con velocità consigliate da 1500 a 5000 RPM.

CARBIDE AND HSS BURRS

- Martin HSS featured for professional use on drilling machines, axial, die grinder.
- The carbide Burrs are recommended for using with pneumatic tools or electrical tool with a 10000 RPM minimum speed
- The HSS Burrs are recommended for using with pneumatic tools or electrical tool with a suggested speed between 1000 and 5000 RPM

FRAISES ROTATIVE EN CARBURE ET EN HSS

- Les fraises rotatives Martin sont les plus adapte pour utilisation professionnel sur perceuses, mouleuses axiales.
- Les fraises rotatives en carbure sont conseillé pour utilisation avec outils pneumatiques / électriques à vitesses conseillé non inférieur à 10 000 tours / minute.
- Les fraises rotatives en HSS sont conseillé pour utilisation avec outils pneumatiques / électriques à vitesses conseillé entre 1500 et 5000 tours / minute.

GUIDA ALLA SCELTA DEL TAGLIO / INDICATIONS FOR TOOTHING SELECTION / COMMENT S'ORIENTER POUR LE CHOIX DE LA DENTURE



Tg.1 ALU

- Sgrossatura acciaio non temprato, finitura leghe leggera, alluminio, legno, gomma dura.
- Rough shaping of not hardened steel, aluminium, plastic materials, wood, rubber.
- Dégrossissage acier non trempé, aluminium, matières plastiques, bois, caoutchouc.



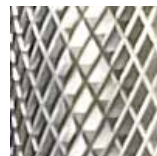
Tg.3 STANDARD

- Sgrossatura acciaio temprato, acciaio ad alta resistenza, cordoni di saldatura.
- Rough shaping of hardened steel, cast steel, welding beats
- Dégrossissage acier trempé, acier haute résistance, cordons de soudure.



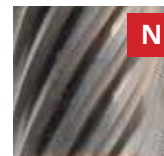
Tg.4 DIAMOND

- Buona finitura di materiali metallici, acciai temprati e materiali resistenti alla corrosione. Ridotte vibrazioni e ottimo controllo.
- Good surface finishing suitable for working on metal materials including hardened steel and rust-proof materials. Reduced vibrations and good control.
- Bonne finition des tous les matériaux métalliques, les aciers trempés et les matériaux résistant à la corrosion. Vibrations réduites et bon contrôle.



Tg.6 DOUBLE

- Taglio incrociato che consente una buona asportazione dando una buona finitura. Consigliato per acciai duri e/o temprati.
- Denture croisée que permet une meilleure finition par rapport à la taille standard. Conseillé pour les aciers durs et/ou trempé.
- Double cut for good surface finishing. Suitable for hard steel.



Tg.9 INOX

- Taglio speciale per l'INOX che permette un'ottima finitura senza alterazione del colore della superficie.
- Taille spécial INOX que permet une finition optimale de la surface sans altérer la coloration de la surface.
- INOX Special Cut allow a high quality surface without messing up the colour of the surface.

NEW

FRESE ROTATIVE IN HSS / FRAISES ROTATIVES HSS / HSS BURRS



CILINDRICA CON TAGLIO IN TESTA / CYLINDRIQUE AVEC COUPE EN BOUT / CYLINDRICAL WITH END CUT

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
501/2	6	6	25	40
508/2	6	8	30	70
503/2	6	10	15	55
510/2	6	10	25	65
505/2	6	12	30	70
504/2	6	15	30	70



CILINDRICA SFERICA / CYLINDRIQUE BOUT ROND / CYLINDRICAL WITH RADIUS CUT

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
502/2	6	6	25	40
507/2	6	8	20	60
511/2	6	10	25	65
506/2	6	12	30	70
514/2	6	15	30	70



OGIVA A PUNTA / OGIVALE À POINTE / TREE-SHAPE POINTED END

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
521/2	6	6	20	40
524/2	6	10	30	70
525/2	6	12	20	60
526/2	6	12	30	70
527/2	6	15	30	70



CONICA A PUNTA / CONIQUE À POINTE / CONE SHAPE

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
532/2	6	6	15	40
534/2	6	10	15	55
536/2	6	12	30	70



CONICA A PUNTA ARROTONDATA / CONIQUE À POINTE ARRONDIE / CONE SHAPE-RADIUS END

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
533/2	6	10	15	55
537/2	6	15	35	75



SFERICA / SPHERIQUE / BALL SHAPE

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
556/2	6	6	5	40
552/2	6	8	7	47
554/2	6	10	9	49
553/2	6	12	11	51
557/2	6	15	14	54



A GOCCIA / A GOUTE / OVAL SHAPE

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
541/2	6	6		
545/2	6	12	20	60
547/2	6	15	30	70



CONICA ROVESCIAITA / CONIQUE RENVERSEE / INVERTED CONE

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
513/2	6	12	15	55
516/2	6	12	30	70



FIAMMA / FLAMME / FLAME

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
515/2	6	12	30	70



DOPPIA CURVA / COMBI / COMBI-CURVE

cod.	codolo shank queue	Ø	L. testa L. tete head L.	total L
561/2	6	6	20	40
566/2	6	12	30	70

FRESE ROTATIVE IN METALLO DURO / FRAISES ROTATIVES CARBURE / CARBIDE BURRS



CILINDRICA SENZA TAGLIO IN TESTA / CYLINDRIQUE SANS COUPE EN BOUT / CYLINDRICAL WITHOUT END CUT

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCA0303	SA-43M	3	3	14	38
TCA0306	SA-11M	6	3	13	45
TCA0606	SA-1M	6	6	18	50
TCA0606L	SA-1M	6	6	18	100
TCA0806	SA-2M	6	8	20	65
TCA0806L	SA-2M	6	8	20	172
TCA1006	SA-3M	6	10	20	65
TCA1006L	SA-3M	6	10	20	172
TCA1206	SA-5M	6	12	25	70
TCA1206L	SA-5M	6	12	25	175
TCA1606	SA-6M	6	16	25	70
TCA2006	SA-7M	6	20	25	70
TCA2506	SA-9M	6	25	25	70



CILINDRICA CON TAGLIO IN TESTA / CYLINDRIQUE AVEC COUPE EN BOUT / CYLINDRICAL WITH END CUT

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCAS0303	SB-43M	3	3	14	38
TCAS0306	SB-11M	6	3	13	45
TCAS0606	SB-1M	6	6	18	50
TCAS0606L	SB-1M	6	6	18	100
TCAS0806	SB-2M	6	8	20	65
TCAS0806L	SB-2M	6	8	20	168
TCAS1006	SB-3M	6	10	20	65
TCAS1006L	SB-3M	6	10	20	170
TCAS1206	SB-5M	6	12	25	70
TCAS1206L	SB-5M	6	12	25	175
TCAS1606	SB-6M	6	16	25	70
TCAS2006	SB-7M	6	20	25	70
TCAS2506	SB-9M	6	25	25	70



CILINDRICA SFERICA / CYLINDRIQUE BOUT ROND / CYLINDRICAL WITH RADIUS CUT

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCB0303	SC-43M	3	3	14	38
TCB0306	SC-11M	6	3	12,7	44
TCB0606	SC-1M	6	6	18	50
TCB0606L	SC-1M	6	6	18	100
TCB0806	SC-2M	6	8	20	65
TCB0806L	SC-2M	6	8	20	170
TCB1006	SC-3M	6	10	20	65
TCB1006L	SC-3M	6	10	20	170
TCB1206	SC-5M	6	12	25	70

CILINDRICA SFERICA / CYLINDRIQUE BOUT ROND / CYLINDRICAL WITH RADIUS CUT

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCB1206L	SC-5M	6	12	25	175
TCB1606	SC-6M	6	16	25	70
TCB2006	SC-7M	6	20	25	70

OGIVA A PUNTA / OGIVALE À POINTE / TREE-SHAPE POINTED END



cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCC0303	SG-44M	3	3	14	38
TCC0606	SG-1M	6	6	18	50
TCC0806	SG-2M	6	8	20	65
TCC1006	SG-3M	6	10	20	65
TCC1006L	SG-3M	6	10	20	170
TCC1206	SG-5M	6	12	25	70
TCC1206L	SG-5M	6	12	25	175
TCC1606	SG-6M	6	16	25	70
TCCC2006	SG-7M	6	20	25	70

OGIVA A PUNTA ARROTONDATA / OGIVALE À POINTE ARRONDIE / TREE-SHAPE RADIUS END



cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCD0303	SF41-M	3	3	14	38
TCD0606	SF-1M	6	6	18	50
TCD0606L	SF-1M	6	6	18	168
TCD0806	SF-2M	6	8	20	65
TCD1006	SF-3M	6	10	20	65
TCD1006L	SF-3M	6	10	20	170
TCD1206	SF-5M	6	12	25	70
TCD1206L	SF-5M	6	12	25	175
TCD1606	SF-6M	6	16	30	70
TCD2006	SF-14M	6	20	32	75

CONICA A PUNTA / CONIQUE À POINTE / CONE SHAPE



cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCE0303	SM-42M	3	3	11	38
TCE0606	SM-1M	6	6	20	50
TCE1006	SM-4M	6	10	20	65
TCE1206	SM-5M	6	12	25	70
TCE1606	SM-6M	6	16	25	70



CONICA A PUNTA ARROTONDATA / CONIQUE À POINTE ARRONDIE / CONE SHAPE-RADIUS END

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCF0303	SL-42M	3	3	6	38
TCF0606	SL-1M	6	6	18	50
TCF0806	SL-2M	6	8	25	72
TCF1006	SL-3M	6	10	28	77
TCF1006L	SL-3M	6	10	28	178
TCF1206	SL-4M	6	12	32	80
TCF1206L	SL-4M	6	12	30	182
TCF1606	SL-6M	6	16	33	85
TCF2006	SL-7M	6	20	40	90



A GOCCIA / A GOUTE / OVAL SHAPE

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCH0303	SE-41M	3	3	12	38
TCH0606	SE-1M	6	6	10	50
TCH1006	SE-3M	6	10	6	66
TCH1006L	SE-3M	6	10	6	170
TCH1206	SE-5M	6	12	22	71
TCH1206L	SE-5M	6	12	22	175
TCH1606	SE-6M	6	16	25	75
TCH2006	SE-7M	6	20	25	75



FIAMMA / FLAMME / FLAME

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCK1206	SH-5M	6	12	32	76
TCK1606	SH-6M	6	16	36	91



SFERICA / SPHERIQUE / BALL SHAPE

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCG0303	SD-42M	3	3	2,7	38
TCG0306	SD-12M	3	6	5	38
TCG0606	SD-1M	6	6	5	50
TCG0806	SD-2M	6	8	6	52
TCG1006	SD-3M	6	10	8	54
TCG1006L	SD-3M	6	10	9	185
TCG1206	SD-5M	6	12	11	56
TCG1206L	SD-4M	6	12	11	161
TCG1606	SD-6M	6	16	11	60
TCG2006	SD-7M	6	20	16,5	69
TCG2506	SD-9M	6	25	22	68



CONICA A 90° / CONIQUE 90° / 90° CONE SHAPE

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCL0303	SK-42M	3	3	3	38
TCL0606	SK-1M	6	6	6	50
TCL1006	SK-3M	6	10	10	60
TCL1206	SK-5M	6	12	12	62
TCL1606	SK-6M	6	16	16	66
TCL2006	SK-7M	6	20	10	60
TCL2506	SK-9M	6	25	15	65



CONICA ROVESCIAITA / CONIQUE RENVERSEE / INVERTED CONE

cod.	USA	codolo shank queue	Ø	l testa l tete head l	Total L
TCI0303	SN-42M	3	5	3	50
TCI0606	SN-1M	6	8	6	50
TCI1006	SN-2M	6	10	10	60
TCI1206	SN-4M	6	12	13	62
TCI1606	SN-6M	6	16	19	66
TCI2006	SN-7M	6	20	16	75

VELOCITÀ CONSIGLIATE - RPM

Obbligatoria buona lubrificazione

RECOMMENDED SPEED - RPM

Mandatory good lubrication

VITESSE RECOMMENDEE - RPM

Obligatoire bonne lubrification

Ø mm	Acciaio Steel Acier	Acciaio inox Stainless steel Acier inox	Acciaio temperato Tempered steel Acier trempé	Non ferrosi Not ferrous Non ferreux
3	42000	27000	32000	48000
4	32000	20000	24000	36000
6	21000	13000	16000	24000
8	16000	10000	12000	18000
10	13000	8000	10000	14000
12	11000	7000	8000	12000
16	8000	5000	6000	9000
20	6000	4000	5000	7000
25	5000	3000	4000	6000

**PER UN CORRETTO USO,
MARTIN CONSIGLIA:**

- Utilizzare il numero di giri consigliato più elevato possibile in rapporto al diametro
- Verificare sempre lo stato d'uso del mandrino: utilizzare solo mandrini senza errori di concentricità.
- Colpi o sbattiture usurano prematuramente l'utensile.
- In caso di materiali a bassa conduttività termica (es. INOX, leghe di titanio) si consiglia di diminuire sensibilmente il numero di giri per non danneggiare l'utensile.
- Lavorando materiali fortemente intasanti è consigliabile l'uso di lubrificanti (grasso, petrolio) per evitare che la dentatura si impasti.

**IN ORDER TO INCREASE THE LIFE OF THE
BURR, MARTIN ADVISES:**

- Use the correct RPM and high revolution in relation to the diameter
- Check the conditions of the chuck: do not use with not concentric chuck. Blows or slams could prematurely damage the burr
- Reduce number of revolutions on materials with low thermal conduction (i.e. Stainless Steel)
- Lubricate with oil or use grease to prevent the burr teeth from kneading

**POUR UNE CORRECTE UTILISATION,
MARTIN CONSEILS:**

- Utiliser le nombre de tours minutes le plus élevé possible par rapport au diamètre de la fraise.
- Vérifier les conditions d'usage du mandrin : utiliser seulement avec mandrin sans défaut de concentricité.
- Diminuer sensiblement les nombres de tour minute en cas d'utilisation sur matériaux à bas conductivité thermique (p.e. INOX).
- Lubrifier avec huile de coupe pour éviter de bouchées les dents.

ESPOSITORI/KIT

DISPLAY/KIT

PRESENTOIRS/KIT



cod. FRESP046/HSS

Displayer 46 pcs

2x501/2, 2x508/2, 2x503/2, 2x510/2, 2x505/2, 2x504/2, 2x502/2, 2x506/2, 2x514/2, 2x521/2, 2x524/2, 2x525/2, 2x526/2, 2x527/2, 2x532/2, 2x534/2, 2x536/2, 2x537/2, 2x556/2, 2x552/2, 2x554/2, 2x553/2, 2x557/2



cod. KIT10HSS

Kit 10 pcs

501/2, 508/2, 510/2, 502/2, 506/2, 521/2, 524/2, 537/2, 552/2, 554/2



cod. FRESP046/A

Displayer 46 pcs

1xTCA1206AL,5xTCA12063,5xTCA12064, 5xTCA12066, 3x12069, 4xTC-B12063,4xTCB12066,3xTCC12063, 4xTCC12064, 3xTCC12066, 3xTCE12063, 3xTCD12063, 3xTCG12066



cod. FRESP046/B

Displayer 46 pcs

3xTCAS12063, 4xTCAS12064, 3xTCAS12066, 3xTCA16063, 3xTCA06066, 3xTCA12063, 4xTCB1206AL, 4xTCB12063. 3xTCB16063, 3xTCB06063, 3xTCB12066, 3xTCC1206AL, 4xTCC12063, 3xTCH12066



cod. KIT6606TC

Kit 10 pcs

TCA10066, TCA12066,TCB10066, TCB12066, TCC10066, TCC12066, TC-D10066,TCD12066, TCH10066,TCH12066



cod. KIT6603TC

Kit 5 pcs

TCA12066, TCB12066, TCC12066, TCD12066,TCH12066



cod. TCBOX10

Box 10pcs

TCA12066, TCAS12066, TCB12066, TCC12066, TCD12066, TCE12066, TCF12066, TCG12066, TCH12066, TCK12066



cod. TCBOX5

Box 5 pcs

TCAS12066, TCB12066, TCC12066, TCD12066, TCF12066

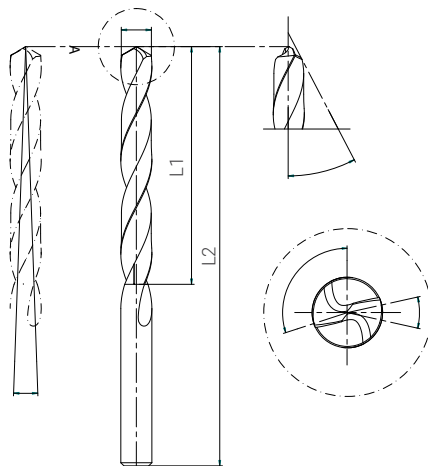
/ IT

UTENSILERIA / PUNTE ELICOIDALI- HSS - HSSCO -HM / STAR PRO CO5% DIN 338



/ EN

TOOLING / HSS - HSSCO - CARBIDE TIPPED DRILLS / STAR PRO HSS+CO5% DIN 338



/ FR

OUTILLAGE / FORETS HSS - HSSCO - A PALQUETTE / STAR PRO +CO5% DIN 338



PUNTE ELICOIDALI IN HSS E HSS CO5% DIN 338

- Caratteristiche: Fresate e rettificate di altissima qualità
- Coperte da brevetto per la speciale geometria di affilatura, della punta e del nucleo
- Utensile unico per le grandi prestazioni di velocità e per la qualità del foro
- Non vibrano durante lavoro, non si bloccano in uscita, e non si rompono grazie alla robustezza del corpo
- Velocità di lavoro: 32m/min

Uso:

- **PUEXC Co5** fino a 1000 N/mm²- ferro - ghisa - acciaio - acciaio inox - rame - zinco - alluminio e leghe - plastica

cod.	Ø mm	L1	L2
PUEXC0030	0.30	4	19
PUEXC0035	0.35	4	19
PUEXC0040	0.40	5	20
PUEXC0045	0.45	5	20
PUEXC0050	0.50	6	22
PUEXC0052	0.52	6	22
PUEXC0055	0.55	7	24
PUEXC0060	0.60	7	24
PUEXC0065	0.65	9	28
PUEXC0070	0.70	9	28
PUEXC0075	0.75	9	28
PUEXC0080	0.80	10	30
PUEXC0085	0.85	10	30
PUEXC0090	0.90	11	32

HSS AND CO5% FULLY GROUND DRILLS DIN 338

- Characteristics: high quality fully ground drills
- Patented for their revolutionary cutting geometry, they are placed among the best HSS tools for drilling.
- Great results in drilling speed, no vibration and great hole quality.
- Work Speed: 32 m/min

Use:

- **PUEXC Co5** up to a 1000 N/mm²- steel - cast iron - stainless steel - copper - zinc - aluminum and light alloy - plastic

cod.	Ø mm	L1	L2
PUEXC0095	0.95	11	32
PUEXC0100	1.00	12	34
PUEXC0105	1.05	12	34
PUEXC0110	1.10	14	36
PUEXC0115	1.15	14	36
PUEXC0120	1.20	16	38
PUEXC0125	1.25	16	38
PUEXC0130	1.30	16	38
PUEXC0135	1.35	18	40
PUEXC0140	1.40	18	40
PUEXC0145	1.45	18	40
PUEXC0150	1.50	18	40
PUEXC0155	1.55	20	43
PUEXC0160	1.60	20	43

FORETS HÉLICOÏDAUX EN HSS ET CO5% DIN 338

- Caractéristiques: forets taillé et meulé très puissant et de très haute qualité
- Géométrie coupe révolutionnaire brevetée Il est parmi les meilleurs outils de perçage en HSS Co5%
- Grandes performances de vitesse, absence de vibrations, qualité du trou.
- Vitesse de rotation : 32 m/min

Utilisation:

- **PUEXC Co5** jusqu'à 1000 N/mm²- fer - fonte - acier - inox - rame - zingue - aluminium et alliages légers - plastique



cod.	Ø mm	L1	L2
PUEXC0165	1.65	20	43
PUEXC0170	1.70	20	43
PUEXC0175	1.75	22	46
PUEXC0180	1.80	22	46
PUEXC0185	1.85	22	46
PUEXC0190	1.90	22	46
PUEXC0200	2.00	24	49
PUEXC0205	2.05	24	49
PUEXC0210	2.10	24	49
PUEXC0215	2.15	27	53
PUEXC0220	2.20	27	53
PUEXC0225	2.25	27	53
PUEXC0230	2.30	27	53
PUEXC0235	2.35	27	53
PUEXC0240	2.40	30	57
PUEXC0245	2.45	30	57
PUEXC0250	2.50	30	57
PUEXC0255	2.55	30	57
PUEXC0260	2.60	30	57
PUEXC0265	2.65	30	57
PUEXC0270	2.70	33	61
PUEXC0275	2.75	33	61
PUEXC0280	2.80	33	61
PUEXC0285	2.85	33	61
PUEXC0290	2.90	33	61
PUEXC0295	2.95	33	61
PUEXC0300	3.00	33	61
PUEXC0305	3.05	36	65
PUEXC0310	3.10	36	65
PUEXC0315	3.15	36	65
PUEXC0320	3.20	36	65
PUEXC0325	3.25	36	65
PUEXC0330	3.30	36	65
PUEXC0340	3.40	39	70
PUEXC0345	3.45	39	70
PUEXC0350	3.50	39	70
PUEXC0355	3.55	39	70
PUEXC0360	3.60	39	70
PUEXC0365	3.65	39	70
PUEXC0370	3.70	39	70
PUEXC0375	3.75	43	75
PUEXC0380	3.80	43	75
PUEXC0385	3.85	43	75
PUEXC0390	3.90	43	75
PUEXC0395	3.95	43	75
PUEXC0400	4.00	43	75
PUEXC0410	4.10	43	75
PUEXC0415	4.15	43	75
PUEXC0420	4.20	43	75
PUEXC0425	4.25	43	75
PUEXC0430	4.30	47	80
PUEXC0435	4.35	47	80
PUEXC0440	4.40	47	80

cod.	Ø mm	L1	L2
PUEXC0445	4.45	47	80
PUEXC0450	4.50	47	80
PUEXC0455	4.55	47	80
PUEXC0460	4.60	47	80
PUEXC0465	4.65	47	80
PUEXC0470	4.70	47	80
PUEXC0475	4.75	52	86
PUEXC0480	4.80	52	86
PUEXC0485	4.85	52	86
PUEXC0490	4.90	52	86
PUEXC0495	4.95	52	86
PUEXC0500	5.00	52	86
PUEXC0505	5.05	52	86
PUEXC0510	5.10	52	86
PUEXC0515	5.15	52	86
PUEXC0520	5.20	52	86
PUEXC0525	5.25	52	86
PUEXC0530	5.30	52	86
PUEXC0535	5.35	57	93
PUEXC0540	5.40	57	93
PUEXC0545	5.45	57	93
PUEXC0550	5.50	57	93
PUEXC0555	5.55	57	93
PUEXC0560	5.60	57	93
PUEXC0565	5.65	57	93
PUEXC0570	5.70	57	93
PUEXC0575	5.75	57	93
PUEXC0580	5.80	57	93
PUEXC0585	5.85	57	93
PUEXC0590	5.90	57	93
PUEXC0595	5.95	57	93
PUEXC0600	6.00	57	93
PUEXC0610	6.10	63	101
PUEXC0620	6.20	63	101
PUEXC0625	6.25	63	101
PUEXC0630	6.30	63	101
PUEXC0635	6.35	63	101
PUEXC0640	6.40	63	101
PUEXC0650	6.50	63	101
PUEXC0660	6.60	63	101
PUEXC0670	6.70	63	101
PUEXC0680	6.80	69	109
PUEXC0690	6.90	69	109
PUEXC0700	7.00	69	109
PUEXC0710	7.10	69	109
PUEXC0720	7.20	69	109
PUEXC0725	7.25	69	109
PUEXC0730	7.30	69	109
PUEXC0740	7.40	69	109
PUEXC0750	7.50	69	109
PUEXC0760	7.60	75	117
PUEXC0770	7.70	75	117
PUEXC0775	7.75	75	117

cod.	Ø mm	L1	L2
PUEXC0780	7.80	75	117
PUEXC0790	7.90	75	117
PUEXC0800	8.00	75	117
PUEXC0810	8.10	75	117
PUEXC0820	8.20	75	117
PUEXC0825	8.25	75	117
PUEXC0830	8.30	75	117
PUEXC0840	8.40	75	117
PUEXC0850	8.50	75	117
PUEXC0860	8.60	81	125
PUEXC0870	8.70	81	125
PUEXC0875	8.75	81	125
PUEXC0880	8.80	81	125
PUEXC0890	8.90	81	125
PUEXC0900	9.00	81	125
PUEXC0910	9.10	81	125
PUEXC0920	9.20	81	125
PUEXC0925	9.25	81	125
PUEXC0930	9.30	81	125
PUEXC0940	9.40	81	125
PUEXC0950	9.50	81	125
PUEXC0960	9.60	87	133
PUEXC0970	9.70	87	133
PUEXC0975	9.75	87	133
PUEXC0980	9.80	87	133
PUEXC0990	9.90	87	133
PUEXC1000	10.00	87	133
PUEXC1010	10.10	87	133
PUEXC1020	10.20	87	133
PUEXC1030	10.30	87	133
PUEXC1040	10.40	87	133
PUEXC1050	10.50	87	133
PUEXC1060	10.60	87	133
PUEXC1070	10.70	94	142
PUEXC1080	10.80	94	142
PUEXC1090	10.90	94	142

cod.	Ø mm	L1	L2
PUEXC1110	11.10	94	142
PUEXC1120	11.20	94	142
PUEXC1130	11.30	94	142
PUEXC1150	11.50	94	142
PUEXC1160	11.60	94	142
PUEXC1170	11.70	94	142
PUEXC1180	11.80	94	142
PUEXC1200	12.00	101	151
PUEXC1220	12.20	101	151
PUEXC1230	12.30	101	151
PUEXC1240	12.40	101	151
PUEXC1250	12.50	101	151
PUEXC1270	12.70	101	151
PUEXC1280	12.80	101	151
PUEXC1290	12.90	101	151
PUEXC1300	13.00	101	151
PUEXC1320	13.20	101	151
PUEXC1350	13.50	108	160
PUEXC1370	13.70	108	160
PUEXC1400	14.00	108	160
PUEXC1425	14.25	114	169
PUEXC1450	14.50	114	169
PUEXC1475	14.75	114	169
PUEXC1500	15.00	114	169
PUEXC1525	15.25	120	178
PUEXC1550	15.50	120	178
PUEXC1600	16.00	120	178
PUEXC1625	16.25	125	184
PUEXC1650	16.50	125	184
PUEXC1700	17.00	125	184
PUEXC1750	17.50	130	191
PUEXC1800	18.00	130	191
PUEXC1850	18.50	135	198
PUEXC1900	19.00	135	198
PUEXC1950	19.50	140	205
PUEXC2000	20.00	140	205

ESPOSITORI/KIT

DISPLAY/KIT

PRESENTOIRS/KIT



Cod. KITPUEXC13

Kit 13 pcs ø 1.5-6.5x0.5 + 3.3, 4.2 mm



Cod. KITPUEXC19

Kit 19 pcs \varnothing 1-10.0x0.5 mm



Cod. KITPUEXC24

Kit 24 pcs \varnothing 1.0- 10.0x0.5 mm + 3.3, 4.2, 6.8, 10.2, 10.5 mm



Cod. KITPUEXC25

Kit 25 pcs \varnothing 1-13 x 0.5 mm



Cod. KITPUEXC41

Kit 41 pcs \varnothing 6.0-10.0 x 0.1 mm



Cod. KITPUEXC51

Kit 51 pcs \varnothing 1.0 -6.0 x 0.1 mm



Cod. PUEXCVA

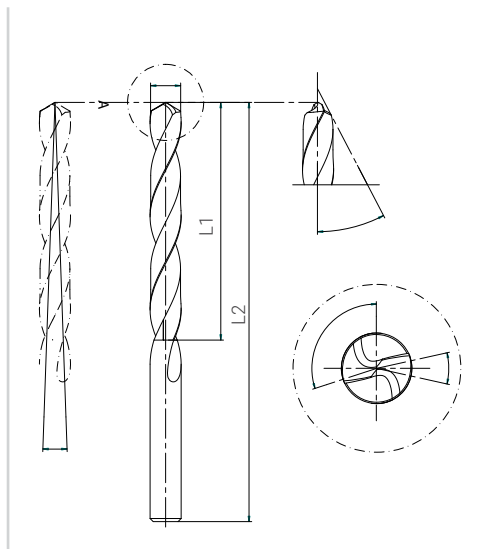
Valigetta/ Display/ Presentoir 132 pcs

\varnothing 10x1.0- 10x2.0- 10x2.50- 10x3.0- 10x3.50- 10x4.0- 10x4.50- 10x5.0- 10x5.50- 10x6.0- 10x6.50- 3x7.0- 5x8.0- 5x8.50- 3x9.0- 2x9.50- 4x10.0

/ IT

UTENSILERIA / PUNTE ELICOIDALI- HSS - HSSCO -HM / STAR PRO HSS+MO5% DIN 338


/ EN

TOOLING / HSS DRILLS / STAR PRO HSS+MO5% DIN 338


/ FR

OUTILLAGE / FORETS HSS / STAR PRO HSS+MO5% DIN 338

PUNTE ELICOIDALI IN HSS E HSS CO5% DIN 338

- Caratteristiche: Fresate e rettificate di altissima qualità
- Coperte da brevetto per la speciale geometria di affilatura, della punta e del nucleo
- Utensile unico per le grandi prestazioni di velocità e per la qualità del foro
- Non vibrano durante lavoro, non si bloccano in uscita, e non si rompono grazie alla robustezza del corpo
- Velocità di lavoro: 32m/min

Uso:

- **PUEXC Mo5** fino a 900 N/mm² - ferro - acciaio - acciaio legato - ghisa - rame - zinco - alluminio e leghe

HSS AND CO5% FULLY GROUND DRILLS DIN 338

- Characteristics: high quality fully ground drills
- Patented for their revolutionary cutting geometry, they are placed among the best HSS tools for drilling.
- Great results in drilling speed, no vibration and great hole quality.
- Work Speed: 32 m/ min

Use:

- **PUEXC Mo5** up to a 900 N/mm² - steel - alloyed steel - cast iron - copper - zinc - aluminum and light alloy

FORETS HÉLICOÏDAUX EN HSS ET CO5% DIN 338

- Caractéristiques: taillé et meulé très puissant et de très haute qualité
- Breveté par sa révolutionnaire géométrie de coupe
- Il est parmi les meilleurs outils de perçage en HSS
- Grandes performances de vitesse, absence de vibrations, qualité du trou.
- Vitesse de rotation : 32 m/min

Utilisation:

- **PUEXC Mo5** jusqu'à 900 N/mm² - fer - acier - acier allié - fonte - rame - zingue - aluminium et alliages légers

cod.	Ø mm	L1	L2
PUEX0030	0.30	4	19
PUEX0035	0.35	4	19
PUEX0040	0.40	5	20
PUEX0045	0.45	5	20
PUEX0050	0.50	6	22
PUEX0055	0.55	7	24
PUEX0060	0.60	7	24
PUEX0065	0.65	9	28
PUEX0070	0.70	9	28
PUEX0075	0.75	9	28
PUEX0080	0.80	10	30
PUEX0085	0.85	10	30
PUEX0090	0.90	11	32
PUEX0095	0.95	11	32
PUEX0100	1.00	12	34

cod.	Ø mm	L1	L2
PUEX0105	1.05	12	34
PUEX0110	1.10	14	36
PUEX0115	1.15	14	36
PUEX0120	1.20	16	38
PUEX0125	1.25	16	38
PUEX0130	1.30	16	38
PUEX0135	1.35	18	40
PUEX0140	1.40	18	40
PUEX0145	1.45	18	40
PUEX0150	1.50	18	40
PUEX0155	1.55	20	43
PUEX0160	1.60	20	43
PUEX0165	1.65	20	43
PUEX0170	1.70	20	43
PUEX0175	1.75	22	46



cod.	Ø mm	L1	L2
PUEX0180	1.80	22	46
PUEX0185	1.85	22	46
PUEX0190	1.90	22	46
PUEX0195	1.95	24	49
PUEX0200	2.00	24	49
PUEX0205	2.05	24	49
PUEX0210	2.10	24	49
PUEX0215	2.15	27	53
PUEX0220	2.20	27	53
PUEX0225	2.25	27	53
PUEX0230	2.30	27	53
PUEX0235	2.35	27	53
PUEX0240	2.40	30	57
PUEX0245	2.45	30	57
PUEX0250	2.50	30	57
PUEX0255	2.55	30	57
PUEX0260	2.60	30	57
PUEX0265	2.65	30	57
PUEX0270	2.70	33	61
PUEX0275	2.75	33	61
PUEX0280	2.80	33	61
PUEX0285	2.85	33	61
PUEX0290	2.90	33	61
PUEX0295	2.95	33	61
PUEX0300	3.00	33	61
PUEX0305	3.05	36	65
PUEX0310	3.10	36	65
PUEX0315	3.15	36	65
PUEX0320	3.20	36	65
PUEX0325	3.25	36	65
PUEX0330	3.30	36	65
PUEX0340	3.40	39	70
PUEX0345	3.45	39	70
PUEX0350	3.50	39	70
PUEX0355	3.55	39	70
PUEX0360	3.60	39	70
PUEX0365	3.65	39	70
PUEX0370	3.70	39	70
PUEX0375	3.75	43	75
PUEX0380	3.80	43	75
PUEX0385	3.85	43	75
PUEX0390	3.90	43	75
PUEX0400	4.00	43	75
PUEX0410	4.10	43	75
PUEX0415	4.15	43	75
PUEX0420	4.20	43	75
PUEX0425	4.25	43	75
PUEX0430	4.30	47	80
PUEX0435	4.35	47	80
PUEX0440	4.40	47	80
PUEX0445	4.45	47	80
PUEX0450	4.50	47	80
PUEX0455	4.55	47	80

cod.	Ø mm	L1	L2
PUEX0460	4.60	47	80
PUEX0465	4.65	47	80
PUEX0470	4.70	47	80
PUEX0475	4.75	52	86
PUEX0480	4.80	52	86
PUEX0485	4.85	52	86
PUEX0490	4.90	52	86
PUEX0495	4.95	52	86
PUEX0500	5.00	52	86
PUEX0505	5.05	52	86
PUEX0510	5.10	52	86
PUEX0515	5.15	52	86
PUEX0520	5.20	52	86
PUEX0525	5.25	52	86
PUEX0530	5.30	52	86
PUEX0535	5.35	57	93
PUEX0540	5.40	57	93
PUEX0545	5.45	57	93
PUEX0550	5.50	57	93
PUEX0560	5.60	57	93
PUEX0565	5.65	57	93
PUEX0570	5.70	57	93
PUEX0575	5.75	57	93
PUEX0580	5.80	57	93
PUEX0585	5.85	57	93
PUEX0590	5.90	57	93
PUEX0595	5.95	57	93
PUEX0600	6.00	57	93
PUEX0610	6.10	63	101
PUEX0625	6.25	63	101
PUEX0630	6.30	63	101
PUEX0635	6.35	63	101
PUEX0640	6.40	63	101
PUEX0650	6.50	63	101
PUEX0660	6.60	63	101
PUEX0670	6.70	63	101
PUEX0675	6.75	69	109
PUEX0680	6.80	69	109
PUEX0690	6.90	69	109
PUEX0700	7.00	69	109
PUEX0710	7.10	69	109
PUEX0715	7.15	69	109
PUEX0720	7.20	69	109
PUEX0725	7.25	69	109
PUEX0730	7.30	69	109
PUEX0750	7.50	69	109
PUEX0755	7.55	75	117
PUEX0760	7.60	75	117
PUEX0770	7.70	75	117
PUEX0775	7.75	75	117
PUEX0780	7.80	75	117
PUEX0790	7.90	75	117
PUEX0795	7.95	75	117

cod.	Ø mm	L1	L2
PUEX0800	8.00	75	117
PUEX0810	8.10	75	117
PUEX0820	8.20	75	117
PUEX0825	8.25	75	117
PUEX0830	8.30	75	117
PUEX0840	8.40	75	117
PUEX0850	8.50	75	117
PUEX0860	8.60	81	125
PUEX0870	8.70	81	125
PUEX0875	8.75	81	125
PUEX0880	8.80	81	125
PUEX0890	8.90	81	125
PUEX0900	9.00	81	125
PUEX0910	9.10	81	125
PUEX0920	9.20	81	125
PUEX0925	9.25	81	125
PUEX0930	9.30	81	125
PUEX0940	9.40	81	125
PUEX0945	9.45	81	125
PUEX0950	9.50	81	125
PUEX0960	9.60	87	133
PUEX0970	9.70	87	133
PUEX0975	9.75	87	133
PUEX0980	9.80	87	133
PUEX0990	9.90	87	133
PUEX1000	10.00	87	133
PUEX1010	10.10	87	133
PUEX1020	10.20	87	133
PUEX1030	10.30	87	133
PUEX1040	10.40	87	133
PUEX1050	10.50	87	133
PUEX1060	10.60	87	133
PUEX1070	10.70	94	142
PUEX1080	10.80	94	142
PUEX1090	10.90	94	142
PUEX1100	11.00	94	142
PUEX1110	11.10	94	142
PUEX1120	11.20	94	142
PUEX1130	11.30	94	142

cod.	Ø mm	L1	L2
PUEX1140	11.40	94	142
PUEX1150	11.50	94	142
PUEX1160	11.60	94	142
PUEX1170	11.70	94	142
PUEX1180	11.80	94	142
PUEX1190	11.90	101	151
PUEX1200	12.00	101	151
PUEX1210	12.10	101	151
PUEX1220	12.20	101	151
PUEX1230	12.30	101	151
PUEX1240	12.40	101	151
PUEX1250	12.50	101	151
PUEX1260	12.60	101	151
PUEX1270	12.70	101	151
PUEX1280	12.80	101	151
PUEX1290	12.90	101	151
PUEX1300	13.00	101	151
PUEX1310	13.10	101	151
PUEX1320	13.20	101	151
PUEX1330	13.30	108	160
PUEX1340	13.40	108	160
PUEX1350	13.50	108	160
PUEX1370	13.70	108	160
PUEX1400	14.00	108	160
PUEX1425	14.25	114	169
PUEX1450	14.50	114	169
PUEX1470	14.70	114	169
PUEX1500	15.00	114	169
PUEX1525	15.25	120	178
PUEX1550	15.50	120	178
PUEX1600	16.00	120	178
PUEX1650	16.50	125	184
PUEX1700	17.00	125	184
PUEX1750	17.50	130	191
PUEX1800	18.00	130	191
PUEX1850	18.50	135	198
PUEX1900	19.00	135	198
PUEX1950	19.50	140	205
PUEX2000	20.00	140	205

* Codolo ridotto 12,7mm

* Codolo = Ø punta detrarre 5 €



ESPOSITORI/KIT

DISPLAY/KIT

PRESENTOIRS/KIT



Cod. KITPUEX13

Kit 13 pcs \varnothing 1.5-6.5x0.5 + 3.3,4.2

Cod. KITPUEX19

Kit 19 pcs \varnothing 1-10 x0.5 mm



Cod. KITPUEX24

Kit 24 pcs \varnothing 1.0- 10.0 x0.5 mm + 3.3, 4.2, 6.8, 10.2, 10.5



Cod. KITPUEX25

Kit 25 pcs \varnothing 1-13x 0.5 mm



Cod. KITPUEX41

Kit 41 pcs \varnothing 6.0- 10.0 x 0.1 mm



Cod. KITPUEX51

Kit 51 pcs \varnothing 1.0-6.0 x 0.1 mm



Cod. KITPUEX91

Kit 91 pcs ϕ 1.0- 10.0 x 0.1 mm

Cod. PUEXVA150

Valigetta/ Display/Presentoir 150pcs

ϕ 10x1.0- 10x1.5- 10x2.0- 10x2.5- 10x3.0- 10x3.5- 10x4.0- 10x4.5- 10x5.0- 10x5.5- 10x6.0- 10x6.5- 5x7.0- 5x7.5- 6x8.0- 5x8.5- 3x9.0- 2x9.5- 4x10.0

SCHEDA TECNICA PUEX "STAR PRO" HSS Mo5%

APPLICAZIONI RACCOMANDATE PER LA FORATURA

D ϕ	VELOCITA' DI TAGLIO V (m/min)															
	4	6	8	10	12	15	18	20	25	30	35	40	50	60	80	100
	GIRI rpm/ 1min															
ϕ 1	1275	1910	2550	3185	3820	4775	5730	6370	7960	9555	11145	12740	15925	19110	25480	31855
ϕ 1.5	850	1275	1700	2125	2550	3185	3820	4245	5310	6370	7430	8495	10615	12740	16985	21230
ϕ 2	635	995	1275	1592	1910	2390	2865	3185	3980	4775	5575	6370	7960	9555	12470	15925
ϕ 2.5	510	765	1020	1274	1530	1910	2295	2550	3185	3820	4460	5095	6370	7645	10190	12740
ϕ 3	425	635	850	1060	1275	1590	1910	2125	2655	3185	3715	4245	5310	6370	8495	10651
ϕ 3.5	365	545	730	910	1090	1365	1640	1820	2275	2730	3185	3640	4550	5460	7280	9100
ϕ 4	320	480	635	795	955	1195	1435	1590	1990	2390	2785	3185	3980	4775	6370	7960
ϕ 4.5	285	425	565	710	850	1060	1275	1415	1770	2125	2475	2830	3540	4245	5960	7075
ϕ 5	255	380	510	635	765	955	1145	1275	1590	1910	2230	2550	3185	3820	5095	6370
ϕ 5.5	230	345	465	580	695	870	1040	1160	1450	1735	2025	2315	2895	3475	4630	5790
ϕ 6	210	320	425	530	635	795	955	1060	1325	1590	1860	2125	2655	3185	4245	5310
ϕ 6.5	195	295	390	490	590	735	880	980	1225	1470	1715	1960	2450	2940	3920	4900
ϕ 7	180	275	365	455	545	680	820	810	1140	1365	1590	1820	2275	2730	3640	4550
ϕ 7.5	170	255	340	425	510	635	765	850	1060	1275	1485	1700	2125	2550	3395	4245
ϕ 8	160	240	320	400	480	595	715	795	995	1195	1395	1590	1990	2385	3185	3980
ϕ 8.5	150	225	300	375	450	560	675	750	935	1125	1310	1495	1875	2250	2995	3745
ϕ 9	140	210	285	355	423	530	635	710	885	1060	1240	1415	1770	2125	2830	3540
ϕ 9.5	135	200	270	335	400	505	605	670	840	1005	1175	1340	1675	2010	2680	3350
ϕ 10	125	190	255	320	380	480	575	635	795	955	1115	1275	1593	1910	2550	3185
ϕ 11	115	175	230	290	345	435	520	580	725	870	1015	1160	1450	1735	2315	2895
ϕ 12	105	160	210	265	320	400	480	530	665	795	930	1060	1325	1590	2125	2655
ϕ 13	100	145	195	245	295	365	440	490	610	735	855	980	1225	1470	1960	2450
ϕ 14	90	135	180	230	275	340	410	455	570	680	795	910	1135	1365	1820	2275
ϕ 15	85	130	170	210	250	320	380	420	530	640	740	850	1060	1275	1700	2120
ϕ 16	80	120	160	200	235	300	360	400	495	595	695	795	995	1195	1590	1990
ϕ 17	75	110	150	185	225	280	335	375	470	560	655	750	935	1125	1500	1875
ϕ 18	70	105	140	175	210	265	320	355	440	530	620	710	885	1060	1415	1770
ϕ 19	65	100	135	170	200	250	300	335	420	500	585	670	840	1005	1340	1675
ϕ 20	60	95	125	160	190	240	285	320	400	480	560	645	795	955	1275	1590

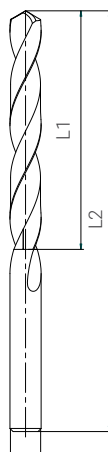
/ IT

UTENSILERIA / PUNTE ELICOIDALI- HSS -
HSSCO -HM / HSS+MO5% DIN 1869 1.2.3
EXTRA L.



/ EN

TOOLING / HSS DRILLS / HSS+MO5% DIN
1869 1.2.3 EXTRA L.



/ FR

OUTILLAGE / FORETS HSS / HSS+MO5%
DIN 1869 1.2.3 EXTRA L.



PUNTE ELICOIDALI EXTRA LUNGHE DIN 1869 1/2/3 - HSS

- Per fori profondi su: materiali ferrosi – ghisa – fusioni – acciai – acciai legati fino a 900 N/mm²
- Caratteristiche: Punte rettificate ad altissima efficienza con nucleo rinforzato, profilo elevato delle gole, massima rigidità.

HSS DIN 1869 1/2/3 FULLY GROUNDED DRILLS BITS

- Designed for deep holes on: steel – cast iron – fusions – alloyed steel up to 900 N/ mm²
- Characteristics: Fully ground drills – High performance – Reinforced Core – Maximum rigidity

FORETS HELICOIDEAUX EN HSS DIN 1869 1/2/3

- Conçu pour troue profond sur acier – fonte – fusions – alliages légers jusqu'à 900 N/ mm²
- Caractéristiques : Forets taillé meulé – Haute performances – Noyau renforcé – Fort rigidité

cod.	Ø mm	L1	L2
PUEXL/10100	1.00	55	95
PUEXL/10150	1.50	70	110
PUEXL/10200	2.00	85	125
PUEXL/10250	2.50	95	140
PUEXL/10300	3.00	100	150
PUEXL/20300	3.00	130	190
PUEXL/10350	3.50	115	165
PUEXL/20350	3.50	145	210
PUEXL/30350	3.50	180	265
PUEXL/10400	4.00	120	175
PUEXL/20400	4.00	150	220
PUEXL/30400	4.00	190	280
PUEXL/10450	4.50	125	185
PUEXL/20450	4.50	160	235
PUEXL/30450	4.50	200	295
PUEXL/10500	5.00	135	195
PUEXL/20500	5.00	170	245
PUEXL/30500	5.00	210	310
PUEXL/10550	5.50	140	205
PUEXL/20550	5.50	180	260
PUEXL/30550	5.50	225	330

cod.	Ø mm	L1	L2
PUEXL/10600	6.00	140	205
PUEXL/20600	6.00	180	260
PUEXL/30600	6.00	225	330
PUEXL/10650	6.50	150	215
PUEXL/20650	6.50	190	275
PUEXL/30650	6.50	235	350
PUEXL/10700	7.00	155	225
PUEXL/10750	7.50	155	225
PUEXL/10800	8.00	165	240
PUEXL/20800	8.00	210	305
PUEXL/30800	8.00	265	390
PUEXL/10850	8.50	165	240
PUEXL/20850	8.50	210	305
PUEXL/30850	8.50	265	390
PUEXL/10900	9.00	175	250
PUEXL/20900	9.00	220	320
PUEXL/10950	9.50	175	250
PUEXL/11000	10.00	185	265
PUEXL/21000	10.00	235	340
PUEXL/31000	10.00	295	430

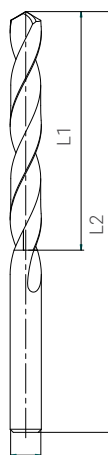
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UTENSILERIA / PUNTE ELICOIDALI- HSS -
HSSCO -HM / HSS+CO8% DIN 338



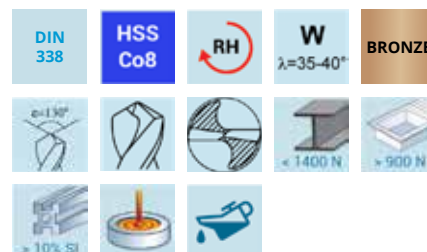
/ EN

TOOLING / DRILLS / HSS+CO8%
DIN 338



/ FR

OUTILLAGE / FORETS / HSS+CO8%
DIN 338



**PUNTE ELICOIDALI FRESATE E RETTIFICATE HSS
CO8% DIN 338**

- Utilizzo: per acciai altolegati e acciai inossidabili fino a 1.000 N/m

**HSS AND CO8% DIN 338 FULLY GROUND
DRILLS**

- To be used on high alloyed steel and stainless steel up to 1000 N/m

**FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS CO8%
DIN 338**

- Pour utilisation sur acier fortement allié et INOX jusqu'à 1000 N/m

cod.	Ø mm	L1	L2
PUNECC1.00	1.0	12	34
PUNECC1.10	1.1	14	36
PUNECC1.20	1.2	16	38
PUNECC1.25	1.25	16	38
PUNECC1.30	1.30	16	38
PUNECC1.40	1.40	18	40
PUNECC1.50	1.50	18	40
PUNECC1.60	1.60	20	43
PUNECC1.70	1.70	20	43
PUNECC1.75	1.75	22	46
PUNECC1.80	1.80	22	46
PUNECC1.90	1.90	22	46
PUNECC2.00	2.00	24	49
PUNECC2.10	2.10	24	49
PUNECC2.20	2.20	27	53
PUNECC2.25	2.25	27	53
PUNECC2.30	2.30	27	53
PUNECC2.40	2.40	30	57
PUNECC2.50	2.50	30	57
PUNECC2.60	2.60	30	57
PUNECC2.75	2.75	33	61
PUNECC2.80	2.80	33	61
PUNECC2.90	2.90	33	61
PUNECC3.00	3.00	33	61
PUNECC3.10	3.10	36	65
PUNECC3.20	3.20	36	65
PUNECC3.25	3.25	36	65
PUNECC3.30	3.30	36	65

cod.	Ø mm	L1	L2
PUNECC3.40	3.40	39	70
PUNECC3.50	3.50	39	70
PUNECC3.60	3.60	39	70
PUNECC3.75	3.75	39	70
PUNECC3.80	3.80	43	75
PUNECC3.90	3.90	43	75
PUNECC4.00	4.00	43	75
PUNECC4.10	4.10	43	75
PUNECC4.20	4.20	43	75
PUNECC4.25	4.25	43	75
PUNECC4.30	4.30	47	80
PUNECC4.40	4.40	47	80
PUNECC4.50	4.50	47	80
PUNECC4.60	4.60	47	80
PUNECC4.70	4.70	47	80
PUNECC4.75	4.75	47	80
PUNECC4.80	4.80	52	86
PUNECC4.90	4.90	52	86
PUNECC5.00	5.00	52	86
PUNECC5.10	5.10	52	86
PUNECC5.20	5.20	52	86
PUNECC5.25	5.25	52	86
PUNECC5.30	5.30	52	86
PUNECC5.40	5.40	52	86
PUNECC5.50	5.50	57	93
PUNECC5.60	5.60	57	93
PUNECC5.70	5.70	57	93
PUNECC5.75	5.75	57	93

cod.	Ø mm	L1	L2
PUNECC5.80	5.80	57	93
PUNECC5.90	5.90	57	93
PUNECC6.00	6.00	57	93
PUNECC6.10	6.10	63	101
PUNECC6.20	6.20	63	101
PUNECC6.25	6.25	63	101
PUNECC6.30	6.30	63	101
PUNECC6.40	6.40	63	101
PUNECC6.50	6.50	63	101
PUNECC6.60	6.60	63	101
PUNECC6.70	6.70	63	101
PUNECC6.75	6.75	69	109
PUNECC6.80	6.80	69	109
PUNECC7.00	7.00	69	109
PUNECC7.10	7.10	69	109
PUNECC7.20	7.20	69	109
PUNECC7.25	7.25	69	109
PUNECC7.40	7.40	69	109
PUNECC7.50	7.50	69	109
PUNECC7.60	7.60	75	117
PUNECC7.70	7.70	75	117

cod.	Ø mm	L1	L2
PUNECC7.80	7.80	75	117
PUNECC8.00	8.00	75	117
PUNECC8.10	8.10	75	117
PUNECC8.20	8.20	75	117
PUNECC8.25	8.25	75	117
PUNECC8.50	8.50	75	117
PUNECC8.70	8.70	81	125
PUNECC8.80	8.80	81	125
PUNECC9.00	9.00	81	125
PUNECC9.25	9.25	81	125
PUNECC9.50	9.50	81	125
PUNECC9.70	9.70	87	133
PUNECC9.80	9.80	87	133
PUNECC10.00	10.00	87	133
PUNECC10.50	10.50	87	133
PUNECC11.00	11.00	94	142
PUNECC11.50	11.50	94	142
PUNECC12.00	12.00	101	151
PUNECC12.50	12.50	101	151
PUNECC13.00	13.00	101	151

ESPOSITORI/KIT

DISPLAY/KIT

PRESENTOIRS/KIT



Cod. KITPUNECC13

Kit 13 pcs ø 1,6,5x0,5mm



Cod. PUNECC19

Kit 19 pcs ø 1-10x0,5 mm



Cod. KITPUNECC25

Kit 25 pcs ø 1-13x0,5 mm



Cod. PUNECCX655

Espositore/ Display/ Presentoir 655 pcs

ø 30x1.0- 30x1.5- 60x2.0- 60x2.5- 100x3.0- 80x3.5- 100x4.0- 30x4.5- 30x5.0- 20x5.50- 20x6.0-10x6.5- 10x7.0- 5x7.5- 10x8.0- 5x8.5- 10x9.0- 5x9.5- 10x10.0- 5x10.5- 5x11.0- 5x11.5- 5x12.0- 5x12.5- 5x13.00

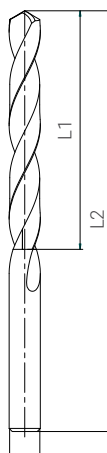
/ IT

UTENSILERIA / PUNTE ELICOIDALI- HSS -
HSSCO -HM / HSS DIN 338 TOPPER

/ EN

TOOLING / DRILLS / HSS DIN 338 TOPPER

/ FR

OUTILLAGE / FORETS / HSS DIN 338
TOPPER**PUNTE ELICOIDALI IN HSS ALTA QUALITÀ DIN 338 FRESATE E RETTIFICATE FINO 900/950 N/M**

- Utilizzo: per ferro - acciai - acciai legati - ghisa - alluminio
- Codolo triangolare antiscivolo dal diametro 5 mm

HSS DIN 338 FULLY GROUND DRILLS UNTIL 900/950 N/M - HIGH QUALITY

- To be used on steel - alloyed steel - cast iron - aluminium
- 3 jaws-chuck shank from 5 mm. diam

FORET HÉLICOÏDAUX TAILLÉ MEULÉ JUSQU'À 900/950 N/M HSS DIN 338 - HAUTE QUALITÉ

- Pour utilisation sur fer - acier allié - fonte - aluminium
- Queue à trois plats à partir du diam.5 mm

cod.	Ø mm	L1	L2
PUNTOP00.50	0.50	6	22
PUNTOP01.00	1.0	12	34
PUNTOP01.25	1.25	16	38
PUNTOP01.50	1.50	18	40
PUNTOP01.75	1.75	22	46
PUNTOP02.00	2.0	24	49
PUNTOP02.10	2.10	24	49
PUNTOP02.25	2.25	27	53
PUNTOP02.50	2.50	30	57
PUNTOP02.75	2.75	33	61
PUNTOP03.00	3.0	33	61
PUNTOP03.10	3.10	36	65
PUNTOP03.25	3.25	36	65
PUNTOP03.50	3.50	39	70
PUNTOP03.75	3.75	39	70
PUNTOP04.00	4.0	43	75
PUNTOP04.10	4.10	43	75
PUNTOP04.20	4.20	43	75
PUNTOP04.25	4.25	43	75
PUNTOP04.50	4.50	47	80
PUNTOP04.75	4.75	47	80
PUNTOP05.00	5.0	52	86
PUNTOP05.10	5.10	52	86
PUNTOP05.20	5.20	52	86

cod.	Ø mm	L1	L2
PUNTOP05.25	5.25	52	86
PUNTOP05.50	5.50	57	93
PUNTOP05.75	5.75	57	93
PUNTOP06.00	6.0	57	93
PUNTOP06.10	6.10	57	101
PUNTOP06.25	6.25	63	101
PUNTOP06.50	6.50	63	101
PUNTOP06.75	6.75	69	109
PUNTOP07.00	7.0	69	109
PUNTOP07.25	7.25	69	109
PUNTOP07.50	7.50	69	109
PUNTOP07.75	7.75	75	117
PUNTOP08.00	8.0	75	117
PUNTOP08.25	8.25	75	117
PUNTOP08.50	8.50	75	117
PUNTOP08.75	8.75	81	125
PUNTOP09.00	9.0	81	125
PUNTOP09.25	9.25	81	125
PUNTOP09.50	9.50	81	125
PUNTOP09.75	9.75	87	133
PUNTOP10.00	10.0	87	133
PUNTOP10.25	10.25	87	133
PUNTOP10.50	10.50	87	133
PUNTOP10.75	10.75	94	142



cod.	Ø mm	L1	L2	€
PUNTOP11.00	11.0	94	142	14.80
PUNTOP11.50	11.50	94	142	15.80
PUNTOP12.00	12.0	101	151	17.85

cod.	Ø mm	L1	L2	€
PUNTOP12.50	12.50	101	151	18.85
PUNTOP13.00	13.0	101	151	20.30

ESPOSITORI

DISPLAY

PRESENTOIRS



Code. KITPUNTOP19

Kit 19 pcs Ø 1-10 x0.5 mm



Code. KITPUNTOP25

Kit 25 pcs Ø 1-13x0.5 mm

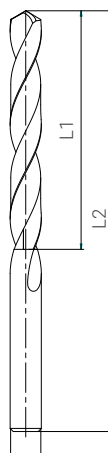
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UTENSILERIA / PUNTE ELICOIDALI- HSS
- HSSCO -HM / HSS DIN 340 LUNGHE -
TOPPER



/ EN

TOOLING / DRILLS / HSS DIN 340 LONG
TWIST DRILL TOPPER



/ FR

OUTILLAGE / FORETS / HSS DIN 340
LONGUES TOPPER



**PUNTE ELICOIDALI IN HSS ALTA QUALITÀ DIN
340 FRESATE E RETTIFICATE FINO 900/950 N/M**

- Utilizzo: per ferro - acciai - acciai legati - ghisa - alluminio
- Codolo triangolare antislittamento dal diametro 5 mm

**HSS DIN 340 FULLY GROUND DRILLS UNTIL
900/950 N/M - HIGH QUALITY**

- To be used on steel - alloyed steel - cast iron - aluminium
- 3 jaws-chuck shank from 5 mm. diam

**FORET HÉLICOÏDAUX TAILLÉ MEULÉ JUSQU'À
900/950 HSS DIN 340 - HAUTE QUALITÉ**

- Pour utilisation sur fer -acier allié - fonte et aluminium
- Queue à trois plats à partir du diam.5 mm

cod.	Ø mm	L1	L2
PUNTOPL0100	1.00	33	56
PUNTOPL0150	1.50	45	70
PUNTOPL0175	1.75	53	80
PUNTOPL0200	2.00	56	85
PUNTOPL0225	2.25	59	90
PUNTOPL0250	2.50	62	95
PUNTOPL0275	2.75	66	100
PUNTOPL0300	3.00	66	100
PUNTOPL0325	3.25	69	106
PUNTOPL0350	3.50	73	112
PUNTOPL0400	4.00	78	119
PUNTOPL0425	4.25	78	119
PUNTOPL0450	4.50	82	126
PUNTOPL0475	4.75	82	126
PUNTOPL0500	5.00	87	132
PUNTOPL0525	5.25	87	132
PUNTOPL0550	5.50	91	139

cod.	Ø mm	L1	L2
PUNTOPL0575	5.75	91	139
PUNTOPL0600	6.00	91	139
PUNTOPL0625	6.25	97	148
PUNTOPL0650	6.50	97	148
PUNTOPL0700	7.00	102	156
PUNTOPL0750	7.50	102	156
PUNTOPL0800	8.00	109	165
PUNTOPL0825	8.25	109	165
PUNTOPL0850	8.50	109	165
PUNTOPL0900	9.00	115	175
PUNTOPL0950	9.50	115	175
PUNTOPL1000	10.00	121	184
PUNTOPL1050	10.50	121	184
PUNTOPL1100	11.00	128	195
PUNTOPL1200	12.00	134	205
PUNTOPL1250	12.50	134	205
PUNTOPL1300	13.00	134	205



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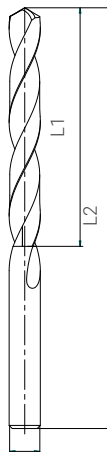
UTENSILERIA / PUNTE ELICOIDALI- HSS - HSSCO -HM / HSS DIN 1897 EXTRA CORTE - TOPPER

/ EN

TOOLING / DRILLS / HSS DIN 1897 EXTRA SHORT - TOPPER TWIST DRILL

/ FR

OUTILLAGE / FORETS / HSS DIN 1897 EXTRA COURTES - TOPPER



PUNTE ELICOIDALI HSS ALTA QUALITÀ DIN 1897 FRESATE E RETTIFICATE FINO 900/950 N/M

- Utilizzo: per ferro - acciai - acciai legati - ghisa - alluminio
- Fresate e rettificate fino 900/950 N/m.
- Codolo triangolare antislittamento dal diametro 5 mm

HSS DIN 1897 FULLY GROUND DRILLS UNTIL 900/950 N/M - HIGH QUALITY

- To be used on steel - alloyed steel - cast iron - aluminium
- 3 jaws-chuck shank from 5 mm. diam

FORET HÉLICOÏDAUX TAILLÉ MEULÉ JUSQU'À 900/950 N/M HSS DIN 1897 - HAUTE QUALITÉ

- Pour utilisation sur fer - acier allié - fonte - aluminium
- Queue à trois plats à partir du diam.5 mm

cod.	Ø mm	L1	L2
PUNTOPXC0150	1.50	9	32
PUNTOPXC0200	2.00	12	38
PUNTOPXC0225	2.25	13	40
PUNTOPXC0250	2.50	14	43
PUNTOPXC0275	2.75	16	46
PUNTOPXC0300	3.00	16	46
PUNTOPXC0325	3.25	18	49
PUNTOPXC0350	3.50	20	52
PUNTOPXC0375	3.75	20	52
PUNTOPXC0400	4.00	22	55
PUNTOPXC0425	4.25	22	55
PUNTOPXC0450	4.50	24	58
PUNTOPXC0475	4.75	26	62
PUNTOPXC0500	5.00	26	62
PUNTOPXC0525	5.25	26	62
PUNTOPXC0550	5.50	28	66
PUNTOPXC0575	5.75	28	66

cod.	Ø mm	L1	L2
PUNTOPXC0600	6.00	28	66
PUNTOPXC0625	6.25	31	70
PUNTOPXC0650	6.50	31	70
PUNTOPXC0675	6.75	34	74
PUNTOPXC0700	7.00	34	74
PUNTOPXC0750	7.50	34	74
PUNTOPXC0800	8.00	37	79
PUNTOPXC0850	8.50	37	79
PUNTOPXC0900	9.00	40	84
PUNTOPXC0950	9.50	40	84
PUNTOPXC1000	10.00	43	89
PUNTOPXC1050	10.50	43	89
PUNTOPXC1100	11.00	47	95
PUNTOPXC1150	11.50	47	95
PUNTOPXC1200	12.00	51	102
PUNTOPXC1250	12.50	51	102
PUNTOPXC1300	13.00	51	102

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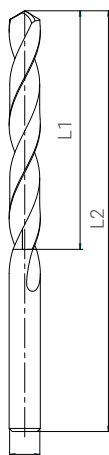
UTENSILERIA / PUNTE ELICOIDALI- HSS -
HSSCO -HM / HSS DIN 338

/ EN

TOOLING / DRILLS / HSS DIN 338 TWIST
DRILL

/ FR

OUTILLAGE / FORETS / HSS DIN 338

**PUNTE ELICOIDALI FRESATE E RETTIFICATE HSS
DIN 338**

- Utilizzo: per ferro - acciai - ghisa - ottone - bronzo - alluminio

**HSS DIN 338 FULLY GROUND DRILLS - HIGH
QUALITY**

- To be used on steel - cast iron - bronze - brass - aluminium

**FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS DIN
338**

- Pour utilisation sur fer - acier - fonte - laiton - bronze - aluminium

cod.	Ø mm	L1	L2
PUNELIC0.30	0.30	3	19
PUNELIC0.50	0.50	6	22
PUNELIC0.60	0.60	7	24
PUNELIC0.70	0.70	9	28
PUNELIC0.75	0.75	9	28
PUNELIC0.80	0.80	10	30
PUNELIC0.90	0.90	11	32
PUNELIC1.00	1.00	12	34
PUNELIC1.10	1.10	14	36
PUNELIC1.20	1.20	16	38
PUNELIC1.25	1.25	16	38
PUNELIC1.30	1.30	16	38
PUNELIC1.40	1.40	18	40
PUNELIC1.50	1.50	18	40
PUNELIC1.60	1.60	20	43
PUNELIC1.70	1.70	20	43
PUNELIC1.75	1.75	22	46
PUNELIC1.80	1.80	22	46
PUNELIC1.90	1.90	22	46
PUNELIC2.00	2.00	24	49
PUNELIC2.10	2.10	24	49
PUNELIC2.20	2.20	27	53
PUNELIC2.25	2.25	27	53
PUNELIC2.30	2.30	27	53
PUNELIC2.40	2.40	30	57
PUNELIC2.50	2.50	30	57
PUNELIC2.60	2.60	30	57

cod.	Ø mm	L1	L2
PUNELIC2.75	2.75	33	61
PUNELIC2.80	2.80	33	61
PUNELIC2.90	2.90	33	61
PUNELIC3.00	3.00	33	61
PUNELIC3.10	3.10	36	65
PUNELIC3.20	3.20	36	65
PUNELIC3.25	3.25	36	65
PUNELIC3.30	3.30	36	65
PUNELIC3.40	3.40	39	70
PUNELIC3.50	3.50	39	70
PUNELIC3.60	3.60	39	70
PUNELIC3.70	3.70	39	70
PUNELIC3.75	3.75	39	70
PUNELIC3.80	3.80	43	75
PUNELIC3.90	3.90	43	75
PUNELIC4.00	4.00	43	75
PUNELIC4.10	4.10	43	75
PUNELIC4.20	4.20	43	75
PUNELIC4.25	4.25	43	75
PUNELIC4.30	4.30	47	80
PUNELIC4.40	4.40	47	80
PUNELIC4.50	4.50	47	80
PUNELIC4.60	4.60	47	80
PUNELIC4.70	4.70	47	80
PUNELIC4.75	4.75	47	80
PUNELIC4.80	4.80	52	86
PUNELIC4.90	4.90	52	86

cod.	Ø mm	L1	L2
PUNELIC5.00	5.00	52	86
PUNELIC5.10	5.10	52	86
PUNELIC5.20	5.20	52	86
PUNELIC5.25	5.25	52	86
PUNELIC5.30	5.30	52	86
PUNELIC5.40	5.40	52	86
PUNELIC5.50	5.50	57	93
PUNELIC5.60	5.60	57	93
PUNELIC5.70	5.70	57	93
PUNELIC5.75	5.75	57	93
PUNELIC5.80	5.80	57	93
PUNELIC5.90	5.90	57	93
PUNELIC6.00	6.00	57	93
PUNELIC6.10	6.10	63	101
PUNELIC6.20	6.20	63	101
PUNELIC6.25	6.25	63	101
PUNELIC6.30	6.30	63	101
PUNELIC6.40	6.40	63	101
PUNELIC6.50	6.50	63	101
PUNELIC6.60	6.60	63	101
PUNELIC6.70	6.70	63	101
PUNELIC6.75	6.75	69	109
PUNELIC6.80	6.80	69	109
PUNELIC7.00	7.00	69	109
PUNELIC7.10	7.10	69	109
PUNELIC7.20	7.20	69	109
PUNELIC7.25	7.25	69	109
PUNELIC7.40	7.40	69	109
PUNELIC7.50	7.50	69	109
PUNELIC7.60	7.60	75	117
PUNELIC7.70	7.70	75	117

cod.	Ø mm	L1	L2
PUNELIC7.75	7.75	75	117
PUNELIC7.80	7.80	75	117
PUNELIC8.00	8.00	75	117
PUNELIC8.10	8.10	75	117
PUNELIC8.20	8.20	75	117
PUNELIC8.25	8.25	75	117
PUNELIC8.50	8.50	75	117
PUNELIC8.70	8.70	81	125
PUNELIC8.75	8.75	81	125
PUNELIC8.80	8.80	81	125
PUNELIC9.00	9.00	81	125
PUNELIC9.25	9.25	81	125
PUNELIC9.50	9.50	81	125
PUNELIC9.70	9.70	87	133
PUNELIC9.80	9.80	87	133
PUNELIC10.00	10.00	87	133
PUNELIC10.20	10.20	87	133
PUNELIC10.25	10.25	87	133
PUNELIC10.50	10.50	87	133
PUNELIC10.75	10.75	94	142
PUNELIC11.00	11.00	94	142
PUNELIC11.25	11.25	94	142
PUNELIC11.50	11.50	94	142
PUNELIC12.00	12.00	101	151
PUNELIC12.25	12.25	101	151
PUNELIC12.50	12.50	101	151
PUNELIC13.00	13.00	101	151
PUNELIC13.50	13.50	108	160
PUNELIC14.00	14.00	108	160
PUNELIC14.50	14.50	114	169
PUNELIC15.00	15.00	114	169

ESPOSITORI/KIT

DISPLAY/KIT

PRESENTOIRS/KIT



cod. KITPUN25

KIT PUNELIC 25 pcs

Ø 1<13 x0,5 mm



cod. KITPUN19

KIT PUNELIC 19 pcs

Ø 1<10 x0,5 mm

punte elicoidali - twist drills

cod. PUNELIC



cod. KITPUN13

KIT PUNELIC 19 pcs

 \varnothing 2<8 x0,5 mm


cod. PUNEX655

DISPLAY PUNELIC 655 pcs

 \varnothing 30x1.0- 30x1.5- 60x2.0- 60x2.5- 100x3.0- 80x3.5- 100x4.0- 30x4.5- 30x5.0-
 20x5.50- 20x6.0- 10x6.5- 10x7.0- 5x7.5- 10x8.0- 5x8.5- 10x9.0- 5x9.5- 10x10.0-
 5x10.5- 5x11.0- 5x11.5- 5x12.0- 5x12.5- 5x13.00

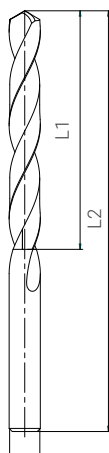
/ IT

UTENSILERIA / PUNTE ELICOIDALI- HSS -
HSSCO -HM HSS DIN 338



/ EN

TOOLING / DRILLS / HSS DIN 338 TWIST
DRILL



/ FR

OUTILLAGE / FORETS / HSS DIN 338



**PUNTE ELICOIDALI FRESATE E RETTIFICATE HSS
DIN 338**

- Caratteristiche: per ferro - acciai - ghisa -
ottone - bronzo - alluminio

**HSS DIN 338 FULLY GROUND DRILLS - HIGH
QUALITY**

- To be used on steel - cast - bronze - brass -
aluminium

**FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS DIN
338**

- Pour utilisation sur fer - acier - fonte - laiton -
bronze - aluminium

cod.	Ø mm	L1	L2
PUEL01.0	1.0	12	34
PUEL01.5	1.5	18	40
PUEL02.0	2.0	24	49
PUEL02.2	2.2	27	53
PUEL02.5	2.5	30	57
PUEL03.0	3.0	33	61
PUEL03.2	3.2	36	65
PUEL03.5	3.5	39	70
PUEL04.0	4.0	43	75
PUEL04.2	4.2	43	75
PUEL04.5	4.5	47	80
PUEL05.0	5.0	52	86
PUEL05.5	5.5	57	93
PUEL06.0	6.0	57	93

cod.	Ø mm	L1	L2
PUEL06.5	6.5	63	101
PUEL07.0	7.0	69	109
PUEL07.5	7.5	69	109
PUEL08.0	8.0	75	117
PUEL08.5	8.5	75	117
PUEL09.0	9.0	81	125
PUEL09.5	9.5	81	125
PUEL10.0	10.0	87	133
PUEL10.5	10.5	87	133
PUEL11.0	11.0	94	142
PUEL11.5	11.5	94	142
PUEL12.0	12.0	101	151
PUEL12.5	12.5	101	151
PUEL13.0	13.0	101	151

ESPOSITORI

DISPLAY

PRESENTOIRS



KITPUEL13

Kit 13 pcs \varnothing 1,5-6,5 mm

KITPUEL19

Kit 19 pcs \varnothing 1-10 x 0,5 mm

KITPUEL25

Kit 25 pcs \varnothing 1-13 x 0,5 mm

PUELX655

Espositore/ display/ presentoir 655 pcs

\varnothing 30x1.0- 30x1.5- 60x2.0- 60x2.5- 100x3.0- 80x3.5- 100x4.0- 30x4.5- 30x5.0-
20x5.5- 20x6.0- 10x6.5-10x7.0- 5x7.5- 10x8.0- 5x8.5- 10x9.0- 5x9.5- 10x10.0-
5x10.5- 5x11.0- 5x11.5- 5x12.0- 5x12.5- 5x13.0



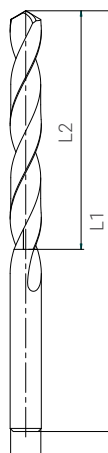
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UTENSILERIA / PUNTE ELICOIDALI- HSS -
HSSCO -HM / HSS DIN 340 PRO-LINE

/ EN

TOOLING / HSS TWIST DRILLS / HSS DIN
340 PRO-LINE

/ FR

OUTILLAGE / HSS FORETS / HSS DIN 340
PRO-LINE**PUNTE ELICOIDALI FRESATE E RETTIFICATE HSS
DIN 340**

- Consigliate per foratura profonda su: materiali ferrosi - acciai - ottone - bronzo - alluminio - ghisa fino a 900N/m

HSS DIN 340 FULLY GROUND DRILLS

- To be used on steel cast iron - bronze - brass - aluminium - cast iron up to 900N/m

**FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS DIN
340**

- Pour utilisation sur fer - acier - fonte - laiton - bronze - aluminium - fonte jusqu'à 900 N/m

cod.	Ø mm	L2	L1
PU/L 00.40	0.40	12	32
PU/L 00.50	0.50	25	50
PU/L 00.55	0.55	25	50
PU/L 00.60	0.60	25	50
PU/L 00.70	0.70	30	50
PU/L 00.75	0.75	30	50
PU/L 00.80	0.80	30	52
PU/L 00.85	0.85	30	50
PU/L 00.90	0.90	30	52
PU/L 00.95	0.95	30	50
PU/L 01.00	1.00	33	56
PU/L 01.05	1.05	37	60
PU/L01.10	1.10	37	60
PU/L 01.30	1.30	41	65
PU/L 01.40	1.40	45	70
PU/L 01.45	1.45	45	70
PU/L 01.50	1.50	45	70
PU/L 01.55	1.55	50	76
PU/L 01.60	1.60	50	76
PU/L 01.65	1.65	50	76
PU/L 01.70	1.70	50	76
PU/L 01.75	1.75	50	76
PU/L 01.90	1.90	53	80
PU/L 01.98	1.98	56	85
PU/L 02.00	2.00	56	85
PU/L 02.10	2.10	56	85
PU/L 02.20	2.20	59	90

cod.	Ø mm	L2	L1
PU/L 02.25	2.25	59	90
PU/L 02.30	2.30	59	90
PU/L 02.38	2.38	62	95
PU/L 02.40	2.40	62	95
PU/L 02.50	2.50	62	95
PU/L 02.75	2.75	66	100
PU/L 02.90	2.90	66	100
PU/L 02.95	2.95	66	100
PU/L 03.00	3.00	66	100
PU/L 03.10	3.10	69	106
PU/L 03.23	3.23	69	106
PU/L03.25	3.25	69	106
PU/L 03.30	3.30	69	106
PU/L 03.40	3.40	73	112
PU/L 03.50	3.50	73	112
PU/L 03.60	3.60	73	112
PU/L 03.75	3.75	73	112
PU/L 03.80	3.80	78	119
PU/L 03.90	3.90	78	119
PU/L 04.00	4.00	78	119
PU/L 04.10	4.10	78	119
PU/L 04.20	4.20	78	119
PU/L 04.25	4.25	73	112
PU/L 04.30	4.30	82	126
PU/L 04.37	4.37	82	126
PU/L 04.40	4.40	82	126
PU/L 04.50	4.50	82	126

cod.	Ø mm	L2	L1
PU/L 04.60	4.60	82	126
PU/L 04.75	4.75	82	126
PU/L 04.80	4.80	87	132
PU/L 04.90	4.90	87	132
PU/L 05.00	5.00	87	132
PU/L 05.10	5.10	87	132
PU/L 05.16	5.16	87	132
PU/L 05.20	5.20	87	132
PU/L 05.25	5.25	87	132
PU/L 05.30	5.30	87	132
PU/L 05.50	5.50	91	139
PU/L 05.56	5.56	91	139
PU/L 05.60	5.60	91	139
PU/L 05.70	5.70	91	139
PU/L 05.75	5.75	91	139
PU/L 05.80	5.80	91	139
PU/L 05.90	5.90	91	139
PU/L 05.95	5.95	91	139
PU/L 06.00	6.00	91	139
PU/L 06.20	6.20	97	148
PU/L 06.25	6.25	97	148
PU/L 06.30	6.30	97	148
PU/L 06.35	6.35	97	148
PU/L 06.40	6.40	97	148
PU/L 06.50	6.50	97	148
PU/L 06.60	6.60	97	148
PU/L 06.70	6.70	97	148
PU/L 06.75	6.75	97	148
PU/L 06.80	6.80	102	156
PU/L 06.90	6.90	102	156
PU/L 07.00	7.00	102	156
PU/L 07.10	7.10	102	156
PU/L 07.14	7.14	105	156
PU/L 07.20	7.20	102	156
PU/L 07.30	7.30	102	156
PU/L 07.40	7.40	102	156
PU/L 07.50	7.50	102	156
PU/L 07.60	7.60	109	165
PU/L 07.70	7.70	109	165
PU/L 08.00	8.00	109	165
PU/L 08.20	8.20	109	165
PU/L 08.25	8.25	109	165
PU/L 08.33	8.33	109	165
PU/L 08.50	8.50	109	165
PU/L 08.60	8.60	115	175
PU/L 08.70	8.70	115	175
PU/L 08.75	8.75	115	175

cod.	Ø mm	L2	L1
PU/L 08.80	8.80	115	175
PU/L 09.00	9.00	115	175
PU/L 09.10	9.10	115	175
PU/L 09.20	9.20	115	175
PU/L 09.25	9.25	115	175
PU/L 09.40	9.40	115	175
PU/L 09.50	9.50	115	175
PU/L 09.70	9.70	121	184
PU/L 09.80	9.80	121	184
PU/L 10.00	10.00	121	184
PU/L 10.10	10.10	121	184
PU/L 10.20	10.20	121	184
PU/L 10.30	10.30	121	184
PU/L 10.50	10.50	121	184
PU/L 10.60	10.60	121	184
PU/L 10.75	10.75	128	195
PU/L 10.80	10.80	128	195
PU/L 11.00	11.00	128	195
PU/L 11.20	11.20	128	195
PU/L 11.30	11.30	128	195
PU/L 11.50	11.50	128	195
PU/L 11.70	11.70	128	195
PU/L 11.80	11.80	128	195
PU/L 12.00	12.00	134	205
PU/L 12.20	12.20	134	205
PU/L 12.40	12.40	134	205
PU/L 12.50	12.50	134	205
PU/L 12.80	12.80	134	205
PU/L 13.00	13.00	134	205
PU/L 13.20	13.20	134	205
PU/L 13.40	13.40	140	214
PU/L 13.50	13.50	140	214
PU/L 13.70	13.70	140	214
PU/L 13.80	13.80	140	214
PU/L 14.00	14.00	140	214
PU/L 14.50	14.50	144	220
PU/L 15.00	15.00	144	220
PU/L 15.50	15.50	149	227
PU/L 16.00	16.00	149	227
PU/L 16.50	16.50	154	235
PU/L 17.00	17.00	154	235
PU/L 17.50	17.50	158	241
PU/L 18.00	18.00	158	241
PU/L 18.50	18.50	162	247
PU/L 19.00	19.00	162	247
PU/L 19.50	19.50	166	254
PU/L 20.00	20.00	166	254

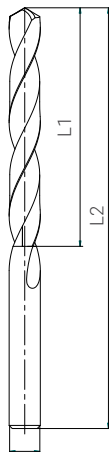
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UTENSILERIA / PUNTE ELICOIDALI- HSS - HSSCO -HM / HSS DIN 340 LUNGHE



/ EN

TOOLING / TWIST DRILLS / HSS DIN 340 LONG



/ FR

OUTILLAGE / HSS FORETS / HSS DIN 340 LONGUES



PUNTE ELICOIDALI FRESATE E RETTIFICATE HSS DIN 340

- Consigliate per foratura profonda su: materiali ferrosi - acciai - ottone - bronzo - alluminio - ghisa fino a 900N/m

HSS DIN 340 FULLY GROUND DRILLS - HIGH QUALITY

- To be used on steel cast iron - bronze - brass - aluminium - cast iron up to 900N/m

FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS DIN 340

- Pour utilisation sur fer - acier - fonte - laiton - bronze - aluminium - fonte jusqu'à 900 N/m

cod.	Ø mm	L1	L2
PUNELICL 1,50	1.50	45	70
PUNELICL 1,75	1.75	53	80
PUNELICL 2,00	2.00	56	85
PUNELICL 2,25	2.25	59	90
PUNELICL 2,50	2.50	62	95
PUNELICL 2,75	2.75	66	100
PUNELICL 3,00	3.00	66	100
PUNELICL 3,25	3.25	69	106
PUNELICL 3,50	3.50	73	112
PUNELICL 3,75	3.75	73	112
PUNELICL 4,00	4.00	78	119
PUNELICL 4,25	4.25	78	119
PUNELICL 4,50	4.50	82	126
PUNELICL 4,75	4.75	82	126
PUNELICL 5,00	5.00	87	132
PUNELICL 5,25	5.25	87	132
PUNELICL 5,50	5.50	91	139
PUNELICL 5,75	5.75	91	139
PUNELICL 6,00	6.00	91	139
PUNELICL 6,25	6.25	97	148

cod.	Ø mm	L1	L2
PUNELICL 6,50	6.50	97	148
PUNELICL 6,75	6.75	97	148
PUNELICL 7,00	7.00	102	156
PUNELICL 7,25	7.25	102	156
PUNELICL 7,50	7.50	102	156
PUNELICL 7,75	7.75	109	165
PUNELICL 8,00	8.00	109	165
PUNELICL 8,25	8.25	109	165
PUNELICL 8,50	8.50	109	165
PUNELICL 8,75	8.75	115	175
PUNELICL 9,00	9.00	115	175
PUNELICL 9,50	9.50	115	175
PUNELICL 10,00	10.00	121	184
PUNELICL 10,50	10.50	121	184
PUNELICL 11,00	11.00	128	195
PUNELICL 11,50	11.50	128	195
PUNELICL 12,00	12.00	134	205
PUNELICL 12,50	12.50	134	205
PUNELICL 13,00	13.00	134	205

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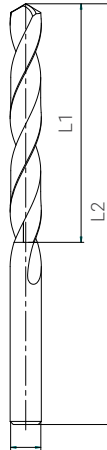
UTENSILERIA / PUNTE ELICOIDALI- HSS -
HSSCO -HM / HSS DIN 1897 EXTRA CORTE

/ EN

TOOLING / DRILLS / HSS DIN 1897 EXTRA
SHORT

/ FR

OUTILLAGE / FORETS / HSS DIN 1897
EXTRA COURTE



**PUNTE ELICOIDALI FRESATE E RETTIFICATE HSS
DIN 1897 EXTRA CORTE**

- Utilizzo: per ferro - acciai - ghisa - ottone - bronzo - alluminio
- Fresate e rettificate

**HSS DIN 1897 FULLY GROUND DRILLS - HIGH
QUALITY - EXTRA SHORT**

- To be used on steel - cast iron - bronze - brass - aluminium

**FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS DIN
1897 - EXTRA COURTE**

- Pour utilisation sur fer - acier - fonte - laiton - bronze - aluminium

cod.	Ø mm	L1	L2
PUNELICXC2.00	2.00	12	38
PUNELICXC2.25	2.25	13	40
PUNELICXC2.50	2.50	14	43
PUNELICXC2.75	2.75	16	46
PUNELICXC3.00	3.00	16	46
PUNELICXC3.25	3.25	18	49
PUNELICXC3.50	3.50	20	52
PUNELICXC3.75	3.75	20	52
PUNELICXC4.00	4.00	22	55
PUNELICXC4.25	4.25	22	55
PUNELICXC4.50	4.50	24	58
PUNELICXC4.75	4.75	26	62
PUNELICXC5.00	5.00	26	62
PUNELICXC5.25	5.25	26	62
PUNELICXC5.50	5.50	28	66
PUNELICXC5.75	5.75	28	66
PUNELICXC6.00	6.00	28	66

cod.	Ø mm	L1	L2
PUNELICXC6.25	6.25	31	70
PUNELICXC6.50	6.50	31	70
PUNELICXC6.75	6.75	34	74
PUNELICXC7.00	7.00	34	74
PUNELICXC7.50	7.50	34	74
PUNELICXC8.00	8.00	37	79
PUNELICXC8.50	8.50	37	79
PUNELICXC9.00	9.00	40	84
PUNELICXC9.50	9.50	40	84
PUNELICXC10.00	10.00	43	89
PUNELICXC10.50	10.50	43	89
PUNELICXC11.00	11.00	47	95
PUNELICXC11.50	11.50	47	95
PUNELICXC12.00	12.00	51	102
PUNELICXC12.50	12.50	51	102
PUNELICXC13.00	13.00	51	102

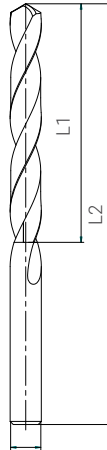
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UTENSILERIA / PUNTE ELICOIDALI- HSS - HSSCO -HM / HSS DIN 1869 1.2.3. EXTRA LUNGHE



/ EN

TOOLING / TWIST DRILLS / HSS DIN 1869 1.2.3. EXTRA LONG



/ FR

OUTILLAGE / HSS FORETS / HSS DIN 1869 1.2.3. EXTRA LONGUES



PUNTE ELICOIDALI FRESATE E RETTIFICATE HSS DIN 1869 1.2.3. EXTRA LUNGHE

- Utilizzo: per ferro - acciai, ghisa, ottone, bronzo e alluminio

HSS DIN 1869 1.2.3 FULLY GROUND DRILLS - HIGH QUALITY - EXTRA LONG

- To be used on steel - cast iron - bronze - brass - aluminium

FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS DIN 1869 1.2.3 - EXTRA LONG

- Pour utilisation sur fer - acier - fonte - laiton - bronze - aluminium

cod.	Ø mm	L1	L2
PUNELICX03X150	3.0	100	150
PUNELICX03X190	3.0	130	190
PUNELICX3,5X165	3.5	115	165
PUNELICX3,5X210	3.5	145	210
PUNELICX3,5X265	3.5	180	265
PUNELICX04X175	4.0	120	175
PUNELICX04X220	4.0	150	220
PUNELICX04X280	4.0	190	280
PUNELICX4,5X185	4.5	125	185
PUNELICX4,5X235	4.5	160	235
PUNELICX4,5X295	4.5	200	295
PUNELICX05X195	5.0	135	195
PUNELICX05X245	5.0	170	245
PUNELICX05X315	5.0	210	315
PUNELICX5,5X205	5.5	140	205
PUNELICX5,5X260	5.5	180	260
PUNELICX5,5X330	5.5	225	330
PUNELICX06X205	6.0	140	205
PUNELICX06X260	6.0	180	260
PUNELICX06X330	6.0	295	330
PUNELICX6,5X215	6.5	150	215
PUNELICX6,5X275	6.5	190	275

cod.	Ø mm	L1	L2
PUNELICX6,5X350	6.5	235	350
PUNELICX07X225	7.0	155	225
PUNELICX07X290	7.0	200	290
PUNELICX07X370	7.0	250	370
PUNELICX7,5X225	7.5	155	225
PUNELICX7,5X290	7.5	200	290
PUNELICX7,5X370	7.5	250	370
PUNELICX08X240	8.0	165	240
PUNELICX08X305	8.0	210	305
PUNELICX08X390	8.0	265	390
PUNELICX8,5X240	8.5	165	240
PUNELICX8,5X305	8.5	210	305
PUNELICX8,5X390	8.5	265	390
PUNELICX09X250	9.0	175	250
PUNELICX09X320	9.0	220	320
PUNELICX09X410	9.0	280	410
PUNELICX9,5X250	9.5	175	250
PUNELICX9,5X320	9.5	20	320
PUNELICX9,5X410	9.5	280	410
PUNELICX10X265	10.0	185	265
PUNELICX10X340	10.0	235	340
PUNELICX10X430	10.0	295	430

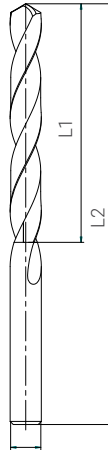
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UTENSILERIA / PUNTE ELICOIDALI- HSS
- HSSCO -HM / HSS DIN 338 CODOLO
RIDOTTO



/ EN

TOOLING / TWIST DRILLS / HSS DIN 338
REDUCED SHANK



/ FR

OUTILLAGE / FORETS / HSS DIN 338 QUEUE
RÉDUIT



**PUNTE ELICOIDALI HSS DIN 338 CODOLO
RIDOTTO**

- Utilizzo: per ferro - acciai - ghisa - ottone - bronzo - alluminio

Codolo ridotto:

- Ø 10 mm dal 10,50 fino al 20 mm
- Ø 13 mm dal 21 al 25 mm

**HSS DIN 338 FULLY GROUND DRILLS - HIGH
QUALITY**

- To be used on steel - cast iron - bronze - brass - aluminium

Reduced shank:

- Ø 10 mm dal 10,50 fino al 20 mm
- Ø 13 mm dal 21 al 25 mm

**FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS DIN
338 - QUEUE RÉDUIT**

- Pour utilisation sur fer - acier - fonte - laiton - bronze - aluminium

Queue réduit:

- Ø 10 mm du 10,50 au 20 mm
- Ø 13 mm du 21 au 25 mm

cod.	Ø mm	L1	L2
PUNELICR10.5	10.5	87	133
PUNELICR11.0	11.0	94	142
PUNELICR11.5	11.5	94	142
PUNELICR12.0	12.0	101	151
PUNELICR12.5	12.5	101	151
PUNELICR13.0	13.0	108	151
PUNELICR13.5	13.5	108	160
PUNELICR14.0	14.0	108	160
PUNELICR14.5	14.5	114	169
PUNELICR15.0	15.0	114	169
PUNELICR15.5	15.5	120	178
PUNELICR16.0	16.0	120	178
PUNELICR16.5	16.5	125	184

cod.	Ø mm	L1	L2
PUNELICR17.0	17.0	125	184
PUNELICR17.5	17.5	130	191
PUNELICR18.0	18.0	130	191
PUNELICR18.5	18.5	135	198
PUNELICR19.0	19.0	135	198
PUNELICR19.5	19.5	140	205
PUNELICR20.0	20.0	140	205
PUNELICR21.0	21.0	140	215
PUNELICR22.0	22.0	150	220
PUNELICR23.0	23.0	155	225
PUNELICR24.0	24.0	160	230
PUNELICR25.0	25.0	165	235

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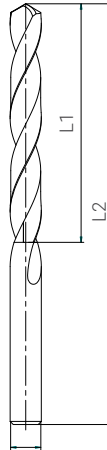
UTENSILERIA / PUNTE ELICOIDALI- HSS - HSSCO -HM / HSS DIN 345 CONO MORSE

/ EN

TOOLING / TWIST DRILLS / HSS DIN 345 CONO MORSE

/ FR

OUTILLAGE / HSS FORETS / HSS DIN 345 CONO MORSE



PUNTE ELICOIDALI FRESATE E RETTIFICATE HSS DIN 345 CONO MORSE

- Utilizzo: per ferro - acciai - ghisa - ottone - bronzo - alluminio

HSS DIN 345 MORSE TAPER FULLY GROUND DRILLS - HIGH QUALITY

- To be used on steel - cast iron - bronze - brass - aluminium

FORET HÉLICOÏDAUX TAILLÉ MEULÉ HSS DIN 345 - CONE MORSE

- Pour utilisation sur fer - acier - fonte - laiton - bronze - aluminium

cod.	Ø mm	L1	L2	Cono M.
PUNELICK06.0	6.0	57	138	1
PUNELICK06.5	6.5	63	144	1
PUNELICK07.0	7.0	69	150	1
PUNELICK07.5	7.5	69	150	1
PUNELICK08.0	8.0	75	156	1
PUNELICK08.5	8.5	75	156	1
PUNELICK09.0	9.0	81	162	1
PUNELICK09.5	9.5	81	162	1
PUNELICK10.0	10.0	87	168	1
PUNELICK10.5	10.5	87	168	1
PUNELICK11.0	11.0	94	175	1
PUNELICK11.5	11.5	94	175	1
PUNELICK12.0	12.0	101	182	1
PUNELICK12.5	12.5	101	182	1
PUNELICK13.0	13.0	101	182	1
PUNELICK13.5	13.5	108	189	1
PUNELICK14.0	14.0	108	189	1
PUNELICK14.5	14.5	114	212	2
PUNELICK15.0	15.0	114	212	2
PUNELICK15.5	15.5	120	218	2
PUNELICK16.0	16.0	125	218	2
PUNELICK16.5	16.5	125	223	2
PUNELICK17.0	17.0	130	223	2
PUNELICK17.5	17.5	130	228	2
PUNELICK18.0	18.0	135	228	2

cod.	Ø mm	L1	L2	Cono M.
PUNELICK18.5	18.5	135	233	2
PUNELICK19.0	19.0	135	233	2
PUNELICK19.5	19.5	140	238	2
PUNELICK20.0	20.0	140	238	2
PUNELICK20.5	20.5	145	243	2
PUNELICK21.0	21.0	145	243	2
PUNELICK21.5	21.5	150	248	2
PUNELICK22.0	22.0	150	248	2
PUNELICK22.5	22.5	155	253	2
PUNELICK23.0	23.0	155	253	2
PUNELICK23.5	23.5	155	276	3
PUNELICK24.0	24.0	160	281	3
PUNELICK24.5	24.5	160	281	3
PUNELICK25.0	25.0	160	281	3
PUNELICK25.5	25.5	165	286	3
PUNELICK26.0	26.0	165	286	3
PUNELICK26.5	26.5	165	286	3
PUNELICK27.0	27.0	170	291	3
PUNELICK27.5	27.5	170	291	3
PUNELICK28.0	28.0	170	291	3
PUNELICK28.5	28.5	175	296	3
PUNELICK29.0	29.0	175	296	3
PUNELICK29.5	29.5	175	296	3
PUNELICK30.0	30.0	175	296	3
PUNELICK30.5	30.5	180	301	3

cod.	Ø mm	L1	L2	Cono M.
PUNELICK31.0	31.0	180	301	3
PUNELICK31.5	31.5	180	301	3
PUNELICK32.0	32.0	185	334	4
PUNELICK32.5	32.5	185	334	4
PUNELICK33.0	33.0	185	334	4
PUNELICK33.5	33.5	185	334	4
PUNELICK34.0	34.0	190	339	4
PUNELICK34.5	34.5	190	339	4
PUNELICK35.0	35.0	190	339	4
PUNELICK35.5	35.5	190	339	4
PUNELICK36.0	36.0	195	344	4

cod.	Ø mm	L1	L2	Cono M.
PUNELICK36.5	36.5	195	344	4
PUNELICK37.0	37.0	195	344	4
PUNELICK37.5	37.5	195	344	4
PUNELICK38.0	38.0	200	349	4
PUNELICK38.5	38.5	200	349	4
PUNELICK39.0	39.0	200	349	4
PUNELICK39.5	39.5	200	349	4
PUNELICK40.0	40.0	200	349	4
PUNELICK45.0	45	210	359	4
PUNELICK50.0	50	220	369	4
PUNELICK60.0	60	235	422	5

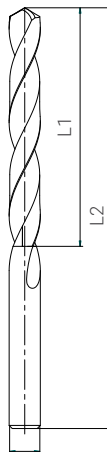
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UTENSILERIA / PUNTE ELICOIDALI- HSS - HSSCO -HM / HM DIN 338



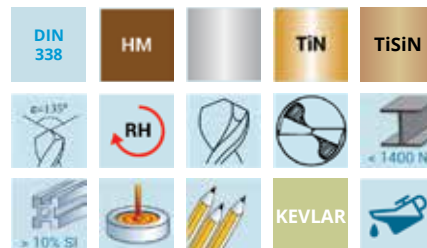
/ EN

TOOLING / HSS- HSSCO AND CARBIDE TIPPED DRILLS / HM DIN 338



/ FR

OUTILLAGE / FORETS HSS- HSSCO ET PLAQUETTE CARBURE / HM DIN 338



PUNTE ELICOIDALI CON PLACCHETTA IN HM (HVA1750)

- Utilizzo: acciai temperati fino HRC 60 - manganese per porte blindate - Hardox.
- Punte ottimizzate per forature particolari o impossibili con le normali punte
- Rivestimento TIN e TISIN per aumentare prestazioni e durezza fino a HV 4500
- VELOCITA' di rotazione 25/30 m/min

CARBIDE TIPPED (HVA1750) DRILLS FOR METAL

- Use: Tempered steel up to HRC 60 - Manganese for blindate doors - Hardox
- Drill bits for particular drilling or impossible with normal drill bits
- TIN and TISIN coating in order to increase performances and hardness up to 4500 HV 25/30 rpm

FORETS MÉTAUX À PLAQUETTE CARBURE

- Utilisation : acier trempé jusqu'à 60 HRC - Manganèse pour portes blindées
- Forets optimisés pour un perçage particulier ou impossibles avec des forets normaux
- Revêtement TIN et TISIN que permet un augmentation de la performance et de la dureté jusqu'à 4500 HV

cod.	Ø mm	L1	L2	G/ min
PHM02.5	2.50	30	57	3,400
PHM03.0	3.0	33	61	3,200
PHM03.5	3.50	39	70	2,700
PHM04.0	4.0	43	75	2,400
PHM04.5	4.50	47	80	2,100
PHM05.0	5.0	52	86	1,900
PHM05.5	5.50	57	93	1,700
PHM06.0	6.0	57	93	1,500
PHM06.5	6.50	63	101	1,400
PHM07.0	7.0	69	109	1,300
PHM07.5	7.50	69	109	1,200
PHM08.0	8.0	75	117	1,100
PHM08.5	8.50	15	117	1,000
PHM09.0	9.0	81	125	1,000
PHM10.0	10.0	87	133	850
PHM11.0	11.0	101	151	800
PHM12.0	12.0	101	151	750
PHM13.0	13.0	101	151	650

cod.	Ø mm	L1	L2	G/ min
PHMT02.5	2.50	30	57	3,400
PHMT03.0	3.0	33	61	3,200
PHMT03.5	3.50	39	70	2,700
PHMT04.0	4.0	43	75	2,400
PHMT04.5	4.50	47	80	2,100
PHMT05.0	5.0	52	86	1,900
PHMT05.5	5.50	57	93	1,700
PHMT06.0	6.0	57	93	1,500
PHMT06.5	6.50	63	101	1,400
PHMT07.0	7.0	69	109	1,300
PHMT07.5	7.50	69	109	1,200
PHMT08.0	8.0	75	117	1,100
PHMT08.5	8.50	15	117	1,000
PHMT09.0	9.0	81	125	1,000
PHMT10.0	10.0	87	133	850
PHMT11.0	11.0	101	151	800
PHMT12.0	12.0	101	151	750
PHMT13.0	13.0	101	151	650

cod.	Ø mm	L1	L2	G/ min
PHMTS02.5	2.50	30	57	3,400
PHMTS03.0	3.0	33	61	3,200
PHMTS03.5	3.50	39	70	2,700
PHMTS04.0	4.0	43	75	2,400
PHMTS04.5	4.50	47	80	2,100
PHMTS05.0	5.0	52	86	1,900
PHMTS05.5	5.50	57	93	1,700
PHMTS06.0	6.0	57	93	1,500
PHMTS06.5	6.50	63	101	1,400
PHMTS07.0	7.0	69	109	1,300
PHMTS07.5	7.50	69	109	1,200
PHMTS08.0	8.0	75	117	1,100
PHMTS08.5	8.50	15	117	1,000
PHMTS09.0	9.0	81	125	1,000
PHMTS10.0	10.0	87	133	850
PHMTS11.0	11.0	101	151	800
PHMTS12.0	12.0	101	151	750
PHMTS13.0	13.0	101	151	650

/ IT
UTENSILERIA / INSERTI

/ EN
TOOLING / INSERT BITS

/ FR
OUTILLAGE / EMBOUT DE VIS



INSERTO CONIATO IMPRONTA POZIDRIVE
DIN 5260PZD - ATTACCO ESAGONALE
DIN 3126 1/4" (6,35 MM)

DIN 5260 POZIDRIV INSERT BITS
DIN 3126 1/4" HEXAGONAL ATTACK (6,35
MM)

EMBOUT DE VISSAGE 5260 POZIDRIV
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35
MM)



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPZD102525	PZD1	25	25
MIPZD202525	PZD2	25	25
MIPZD302525	PZD3	25	25
MIPZD102550	PZD1	25	50
MIPZD202550	PZD2	25	50
MIPZD302550	PZD3	25	50



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPZD1002510TIN	PZD1	25	10
MIPZD202510TIN	PZD2	25	10
MIPZD302510TIN	PZD3	25	10



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPZD105010	PZD1	50	10
MIPZD205010	PZD2	50	10
MIPZD305010	PZD3	50	10



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPZD10751	PZD1	75	1
MIPZD20751	PZD2	75	1
MIPZD30751	PZD3	75	1



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPZD110001	PZD1	100	1
MIPZD210001	PZD2	100	1
MIPZD310001	PZD3	100	1
MIPZD110001	PZD1	100	1
MIPZD210001	PZD2	100	1
MIPZD310001	PZD3	100	1

cod. MIPZD / MITG / MITX



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPZD115001	PZD1	150	1
MIPZD215001	PZD2	150	1
MIPZD315001	PZD3	150	1
MIPZD115001	PZD1	150	1
MIPZD215001	PZD2	150	1
MIPZD315001	PZD3	150	1



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPZD120001	PZD1	200	1
MIPZD220001	PZD2	200	1
MIPZD320001	PZD3	200	1



**INSERTO CONIATO IMPRONTA TAGLIO
ATTACCO ESAGONALE DIN 3126 1/4" (6,35
MM)**

**SLOTTED INSERT BITS DIN 3126 1/4" HEX-
AGONAL ATTACK (6,35 MM)**

**EMBOUT DE VISSAGE TAILLE EMBOUT
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35
MM)**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MITG30052510	3,0x0,5	25	10
MITG45062510	4,5x0,6	25	10
MITG55082510	5,5x0,8	25	10
MITG65122510	6,5x1,2	25	10
MITG30052525	3,0x0,5	25	25
MITG45062525	4,5x0,6	25	25
MITG55082525	5,5x0,8	25	25
MITG65122525	6,5x1,2	25	25



**INSERTO CONIATO IMPRONTA TORK
ATTACCO ESAGONALE DIN 3126 1/4" (6,35
MM)**

**TORK INSERT BITS
DIN 3126 1/4" HEXAGONAL ATTACK (6,35
MM)**

**EMBOUT DE VISSAGE TORK
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35
MM)**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MITX062510	TX06	25	10
MITX072510	TX07	25	10
MITX082510	TX08	25	10
MITX092510	TX09	25	10
MITX102510	TX10	25	10
MITX152510	TX15	25	10
MITX202510	TX20	25	10
MITX252510	TX25	25	10
MITX272510	TX27	25	10
MITX302510	TX30	25	10

cod. MITX / MITXF / MIPH



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MITX255001	TX25	50	1
MITX275001	TX27	50	1
MITX305001	TX30	50	1
MITX405001	TX40	50	1



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MITX107001	TX10	70	1
MITX157001	TX15	70	1
MITX207001	TX20	70	1
MITX257001	TX25	70	1
MITX277001	TX27	70	1
MITX307001	TX30	70	1
MITX407001	TX40	70	1



INSERTO CONIATO IMPRONTA TORK CON FORO (TAMPER) - ATTACCO ESAGONALE DIN 3126 1/4" (6,35 MM)

**TAMPER TORK INSERT BITS
DIN 3126 1/4" HEXAGONAL ATTACK (6,35 MM)**

**EMBOUT DE VISSAGE TORK À TROU
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35 MM)**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MITXF102510	TX10	25	10
MITXF152510	TX15	25	10
MITXF202510	TX20	25	10
MITXF252510	TX25	25	10
MITXF302510	TX30	25	10



INSERTO CONIATO IMPRONTA PHILLIPS DIN 5260 PH - ATTACCO ESAGONALE DIN 3126 1/4" (6,35 MM)

**DIN 5260 PH PHILLIPS INSERT BITS
DIN 3126 1/4" HEXAGONAL ATTACK (6,35 MM)**

**EMBOUT DE VISSAGE PHILLIPS DIN 5260
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35 MM)**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPH102510	PH1	25	10
MIPH202510	PH2	25	10
MIPH302510	PH3	25	10
MIPH102525	PH1	25	25
MIPH202525	PH2	25	25
MIPH302525	PH3	25	25
MIPH102550	PH1	25	50
MIPH202550	PH2	25	50
MIPH302550	PH3	25	50

cod. **MIPH**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPH105010	PH1	50	10
MIPH205010	PH2	50	10
MIPH305010	PH3	50	10



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPH107501	PH1	75	1
MIPH207501	PH2	75	1
MIPH307501	PH3	75	1



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPH110001	PH1	100	1
MIPH210001	PH2	100	1
MIPH310001	PH3	100	1
MIPZD110001	PZD1	100	1
MIPZD210001	PZD2	100	1
MIPZD310001	PZD3	100	1



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPH115001	PH1	150	1
MIPH215001	PH2	150	1
MIPH315001	PH3	150	1



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPH120001	PH1	200	1
MIPH220001	PH2	200	1
MIPH320001	PH3	200	1

cod. MIES / MPIAR



**INSERTO CONIATO IMPRONTA ESAGONALE
ATTACCO ESAGONALE DIN 3126 1/4" (6,35
MM)**

**HEX INSERT BITS
DIN 3126 1/4" HEXAGONAL ATTACK (6,35
MM)**

**EMBOUT DE VISSAGE HEXAGONAL
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35
MM)**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIES00202510	02,0 mm	25	10
MIES00252510	02,5 mm	25	10
MIES00302510	03,0 mm	25	10
MIES00352510	03,5 mm	25	10
MIES00402105	04,0 mm	25	10
MIES00502105	05,0 mm	25	10
MIES00552510	05,5 mm	25	10
MIES00602510	06,0 mm	25	10
MIES00702510	07,0 mm	25	10
MIES00802510	08,0 mm	25	10
MIES00902510	09,0 mm	25	10
MIES01002510	10,0 mm	25	10



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIES0205001	02,0 mm	50	1
MIES0255001	02,5 mm	50	1
MIES0305001	03,0 mm	50	1
MIES0355001	03,5 mm	50	1
MIES0405001	04,0 mm	50	1
MIES0505001	05,0 mm	50	1
MIES0555001	05,5 mm	50	1
MIES0605001	06,0 mm	50	1



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIES0027001	02,0 mm	70	1
MIES0257001	02,5 mm	70	1
MIES0037001	03,0 mm	70	1
MIES0357001	03,5 mm	70	1
MIES0047001	04,0 mm	70	1
MIES0057001	05,0 mm	70	1
MIES0557001	05,5 mm	70	1
MIES0067001	06,0 mm	70	1

**PORTA INSERTO MAGNETICO
ATTACCO ESAGONALE DIN 3126 1/4" (6,35 MM)**

**MAGNETIC INSERT BITS HOLDER
DIN 3126 1/4" HEXAGONAL ATTACK (6,35 MM)**

**PORTE EMBOUT DE VISSAGE MAGNÉTIQUE
EMBOUT HEXAGONAL DIN 3126 1/4 " (6,35 MM)**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MPIAR06005		60	5

cod. MIPIMG / MPIAR / MIS

**PORTA INSERTO ATTACCO RAPIDO
ATTACCO ESAGONALE DIN 3126 1/4" (6,35 MM)**

**QUICK CHANGE INSERT BITS HOLDER
DIN 3126 1/4" HEXAGONAL ATTACK (6,35 MM)**

**PORTE EMBOUTE À CHANGEMENT RAPIDE
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35 MM)**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MIPIMG06005	1/4 - 6,35 mm	60	5
MIPIMG07505	1/4 - 6,35 mm	75	5
MIPIMG10005	1/4 - 6,35 mm	100	5
MIPIMG12005	1/4 - 6,35 mm	120	5
MIPIMG15005	1/4 - 6,35 mm	150	5
MIPIMG20001	1/4 - 6,35 mm	200	1
MIPIMG25001	1/4 - 6,35 mm	250	1

**PORTA INSERTO MAGNETICO ANGOLARE
ATTACCO ESAGONALE DIN 3126 1/4" (6,35 MM)**

**ANGLE MAGNETIC INSERT BITS HOLDER
DIN 3126 1/4" - HEXAGONAL ATTACK (6,35 MM)**

**PORTE EMBOUT MAGNÉTIQUE ANGULAIRE
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35 MM)**



cod.	tipo type modèle	mm	n/confezione n/package n/emballage
MPIAR06005		60	5

**ASSORTIMENTO 7 INSERTI
ATTACCO ESAGONALE DIN 3126 1/4" (6,35 MM)**

**N.7 INSERT BITS KITS
DIN 3126 1/4" HEXAGONAL ATTACK (6,35 MM)**

**ASSORTIMENT DE N.7 EMBOUTS
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35 MM)**



cod.	tipo type modèle	n/confezione n/package n/emballage
MIS07T	PH1-PH2-PZ1-PZ2-LM4-LM6	7
MIS07TX	TX10-15-20-25-30-40	7
MIS07ES	ES2-2,5-3-4-5-6	7

Porta inserti compreso

**MIS32 - ASSORTIMENTO 32 INSERTI
MIS71 - ASSORTIMENTO 71 INSERTI
ATTACCO ESAGONALE DIN 3126 1/4" (6,35 MM)**

**MIS32 - N.32 INSERT BITS KITS
MIS71 - N.71 INSERT BITS KITS
DIN 3126 1/4" HEXAGONAL ATTACK (6,35 MM)**

**MIS32 - ASSORTIMENT DE N.32 EMBOUTS
MIS71 - ASSORTIMENT DE N.71 EMBOUTS
EMBOUT HEXAGONAL DIN 3126 1/4" (6,35 MM)**



cod.	tipo type modèle	n/confezione n/package n/emballage
MIS32	varie forme	1.00
MIS71	varie forme	1.00

Porta inserti compreso

cod. MM

/ IT

UTENSILERIA / MASCHI - FILIERE PRO-LINE

/ EN

TOOLING / TAP - DIES PRO-LINE

/ FR

OUTILLAGE / TARAUD - FILIERES PRO-LINE

MASCHI A MACCHINA

ACCIAI AUTOMATICI fino a 800 N/mm

MACHINE TAPS

FREE-CUTTING STEEL until 800 N/mm

TARAUDS MACHINE

ACIERS DE DÉCOLLETAGE jusqu'à 800 N/mm

FORI PASSANTI DA M3 A M10 CODOLO MAGGIORATO

HRC 64/65 Co5%



THROUGH HOLES FROM M3 TO M10 IN-CREASED TANK

TROUS DÉBOUCHANTS DE M3 À M10 QUEUE AUGMENTÉE/ ACCRU



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MM0305B	0.50	M3	2.50
MM03506B	0.60	M3,5	2.90
MM0407B	0.70	M4	3.30
MM0508B	0.80	M5	4.20
MM0610B	1.00	M6	5.00
MM08125B	1.25	M8	6.80
MM1015B	1.50	M10	8.50

FORI PASSANTI DA M12 A M36

HRC 64/65 Co5%



THROUGH HOLES FROM M12 TO M36

TROUS DÉBOUCHANTS DE M12 À M36



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MM12175B	1.75	M12	10.20
MM1420B	2.00	M14	12.00
MM1620B	2.00	M16	14.00
MM1825B	2.50	M18	15.50
MM2025B	2.50	M20	17.50
MM2225B	2.50	M22	19.50
MM2430B	3.00	M24	21.00
MM2730B	3.00	M27	24.00
MM3035B	3.50	M30	26.50
MM3335B	3.50	M33	29.50
MM3640B	4.00	M36	32.00

FORI CIECHI DA M3 A M10 CODOLO MAGGIORATO

HRC 64/65 Co5%



ALLUMINIO e sue LEGHE
ALUMINUM
ALUMINIUM

BLIND HOLES FROM M3 TO M10 INCREASED TANK

TROUS BORGNES DE M3 À M10 QUEUE AUGMENTÉE/ ACCRU



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MM0305C	0.50	M3	2.50
MM0407C	0.70	M4	3.30
MM0508C	0.80	M5	4.20
MM0610C	1.00	M6	5.00
MM08125C	1.25	M8	6.80
MM1015C	1.50	M10	8.50

FORI CIECHI DA M12 A M36

HRC 64/65 Co5%



ALLUMINIO e sue LEGHE
ALUMINUM
ALUMINIUM

BLIND HOLES FROM M12 TO M36

TROUS BORGNES DE M12 À M36



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MMT12175C	1.75	M12	10.20
MMT1420C	2.00	M14	12.00
MMT1620C	2.00	M16	12.00
MMT1820C	2.00	M18	14.00
MMT2025C	2.50	M20	17.50
MMT2225C	2.50	M22	19.50
MMT2430C	3.00	M24	21.00
MMT2730C	3.00	M27	24.00
MMT3035C	3.50	M30	26.50
MMT3335C	3.50	M33	29.50
MMT3640C	4.00	M36	32.00

FORI PASSANTI/CIECHI DA M3 A M52 PASSO FINE

HRC 64/65 Co5%

BLIND HOLES FROM M3 TO M52 FINE THREAD

TROUS BORGNES DE M3 À M52 À PAS FIN



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MMF03035BC	0.35	M3	2.65
MMF0405BC	0.50	M4	3.50
MMF0505BC	0.50	M5	4.50
MMF0605BC	0.50	M6	5.50
MMF06075BC	0.75	M6	5.20
MMF0810BC	1.00	M8	7.00
MMF1010BC	1.00	M10	9.00
MMF10125BC	1.25	M10	8.80
MMF1210BC	1.00	M12	11.00
MMF12125BC	1.25	M12	10.80
MMF1215BC	1.50	M12	10.50
MMF1410BC	1.00	M14	13.00
MMF14125BC	1.25	M14	12.80
MMF1415BC	1.50	M14	12.50
MMF1610BC	1.00	M16	15.00
MMF1615BC	1.50	M16	14.50
MMF1815BC	1.50	M18	16.50
MMF1820BC	2.00	M18	16.00
MMF2010BC	1.00	M20	19.00
MMF2015BC	1.50	M20	18.50
MMF2020BC	2.00	M20	18.00
MMF2215BC	1.50	M22	20.50
MMF2220BC	2.00	M22	20.00
MMF2415BC	1.50	M24	22.50
MMF2420BC	2.00	M24	22.00
MMF2515BC	1.50	M25	23.50
MMF2715BC	1.50	M27	25.50
MMF2720BC	2.00	M27	25.00
MMF2815BC	1.50	M28	26.50
MMF3015BC	1.50	M30	28.50
MMF3215BC	1.50	M32	30.50
MMF3315BC	1.50	M33	31.50
MMF3415BC	1.50	M34	32.50
MMF3515BC	1.50	M35	33.50
MMF3615BC	1.50	M36	34.50
MMF3620BC	2.00	M36	34.00
MMF4015BC	1.50	M40	38.50
MMF4215BC	1.50	M42	40.50
MMF4220BC	2.00	M42	40.00
MMF4230BC	3.00	M42	39.00
MMF4515BC	1.50	M45	43.50
MMF4520BC	2.00	M45	43.00
MMF4530BC	3.00	M45	42.00
MMF4815BC	1.50	M48	46.50
MMF4820BC	2.00	M48	46.00
MMF4830BC	3.00	M48	45.00
MMF5015BC	1.50	M50	48.50
MMF5215BC	1.50	M52	50.50

cod. **MUNCN / MMMG**

FORI PASSANTI UNC DA N5 A 3/8"

HRC 64/65 Co5%



TROUGH HOLES UNC FROM N5 TO 3/8"



cod.	n°	foro Ø mm hole Ø mm trou Ø mm
MUNCN°540BC	5.00	2.60
MUNCN°632BC	6.00	2.85
MUNCN°832BC	8.00	3.50
MUNCN°1024BC	10.00	3.90
MUNCN°1224BC	12.00	4.50
MUNCN°1420BC	1/4"	5.20
MUNCN°51618BC	5/16"	6.60
MUNCN°3816BC	3/8"	8.00

FORI PASSANTI/CIECHI DA M3 A M52 PASSO FINE

HRC 64/65 Co5%



BLIND HOLES FROM M3 TO M52 FINE THREAD

TROUS BORGNES DE M3 À M52 À PAS FIN



cod.	G"	foro Ø mm hole Ø mm trou Ø mm
MMMG1828BC	G 1/8"	8.80
MMMG1419BC	G 1/4"	11.80
MMMG3819BC	G 3/8"	15.25
MMMG1214BC	G 1/2"	19.00
MMMG5814BC	G 5/8"	21.00
MMMG3414BC	G 3/4"	24.50
MMMG7814BC	G 7/8"	28.25
MMMG111BC	G 1"	30.75
MMMG11811BC	G1 1/8"	35.75
MMMG11411BC	G1 1/4"	39.50
MMMG11211BC	G1 1/2"	45.25
MMMG13411BC	G1 3/4"	51.30
MMMG211BC	G 2"	57.20

MASCHI A MACCHINA

ACCIAI INOSSIDABILI fino a 1000 N/mm

MACHINE TAPS

FREE-CUTTING STEEL until 1000 N/mm

TARAUDS MACHINE

ACIERS DE DÉCOLLETAGE jusqu'à 1000 N/mm

FORI PASSANTI DA M3 A M10 CODOLO MAGGIORATO

HRC 64/65 Co5%



TROUGH HOLES FROM M3 TO M10 INCREASED TANK

TROUS DÉBOUCHANTS DE M3 À M10 QUEUE AUGMENTÉE/ACCRU



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MMX0305B	0.50	M3	2.50
MMX0407B	0.70	M4	3.30
MMX0508B	0.80	M5	4.20
MMX0610B	1.00	M6	5.00
MMX08125B	1.25	M8	6.80
MMX10150B	1.50	M10	8.50

FORI PASSANTI DA M12 A M30

HRC 64/65 Co5%



TROUGH HOLES FROM M12 TO M30

TROUS DÉBOUCHANTS DE M12 À M30



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MMX12175B	1.75	M12	10.20
MMX1420B	2.00	M14	12.00
MMX1620B	2.00	M16	14.00
MMX1825B	2.50	M18	15.50
MMX2025B	2.50	M20	17.50
MMX2225B	2.50	M22	19.50
MMX2430B	3.00	M24	21.00
MMX2730B	3.00	M27	24.00
MMX3035B	3.50	M30	26.50

FORI CIECHI DA M3 A M10 CODOLO MAGGIORATO

HRC 64/65 Co5%



BLIND HOLES FROM M3 TO M10 INCREASED TANK

TROUS BORGNES DE M3 À M10 QUEUE AUGMENTÉE/ACCRU



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MM0305C	0.50	M3	2.50
MM0407C	0.70	M4	3.30
MM0508C	0.80	M5	4.20
MM0610C	1.00	M6	5.00
MM08125C	1.25	M8	6.80
MM1015C	1.50	M10	8.50

cod. **MMX**

FORI CIECHI DA M12 A M30

BLIND HOLES FROM M12 TO M30

TROUS BORGNES DE M12 À M30

HRC 64/65 Co5%



cod.	passo mm thread mm fil mm	m	foro Ø mm hole Ø mm trou Ø mm
MMX12175C	1.75	M12	10.20
MMX1420C	2.00	M14	12.00
MMX1620C	2.00	M16	14.00
MMX1825C	2.50	M18	15.50
MMX2025C	2.50	M20	17.50
MMX2225C	2.50	M22	19.50
MMX2430C	3.00	M24	21.00
MMX2730C	3.00	M27	24.00
MMX3035C	3.50	M30	26.50

MASCHI A MANO

ACCIAI AUTOMATICI fino a 800 N/mm

HAND TAPS

FREE-CUTTING STEEL until 800 N/mm

TARAUDS à MAIN

ACIERS DE DÉCOLLETAGE jusqu'à 800 N/mm

FORI PASSANTI/CIECHI DA M5 A M40 PASSO FINE

HRC 62/63 HSS



Serie n. 2 pcs

BLIND HOLES FROM M5 TO M40 FINE THREAD

TROUS BORGNES DE M5 À M40 À PAS FIN



cod.	P mm	m	foro Ø mm
MNF05050	0.50	M5	4.50
MNF06075	0.75	M6	5.20
MNF06050	0.50	M6	5.50
MNF0810	1.00	M8	7.00
MNF08075	0.75	M8	7.20
MNF10125	1.25	M10	8.80
MNF1010	1.00	M10	9.00
MNF12150	1.50	M12	10.50
MNF1210	1.00	M12	11.00
MNF14150	1.50	M14	12.50
MNF1410	1.00	M14	12.80
MNF16150	1.50	M16	14.50
MNF1610	1.00	M16	15.00
MNF1820	2.00	M18	16.00
MNF1815	1.50	M18	16.50
MNF2020	2.00	M20	18.00
MNF2015	1.50	M20	18.50
MNF2220	2.00	M22	20.00
MNF2215	2.15	M22	20.50
MNF2420	2.00	M24	22.00
MNF2415	1.50	M24	22.50
MNF2615	1.50	M26	23.50
MNF2720	2.00	M27	25.00
MNF2715	1.50	M27	25.50
MNF2820	2.00	M28	26.00
MNF2815	1.50	M28	26.50
MNF3020	2.00	M30	28.50
MNF3015	1.50	M30	30.50
MNF3215	1.50	M32	31.50
MNF3415	1.50	M34	32.50
MNF3620	2.00	M36	33.50
MNF3615	1.50	M36	34.00
MNF3815	1.50	M38	34.50
MNF4015	1.50	M40	38.50

FORI PASSANTI/CIECHI DA M3 A M36

HRC 62/63 HSS



Serie n. 3 pcs

BLIND HOLES FROM M3 TO M36



cod.	Passo mm thread mm fil mm	m	foro Ø mm
MN0305	0.50	M3	2.50
MN03506	0.60	M3	2.90
MN0407	0.70	M4	3.30
MN045075	0.75	M4	3.70
MN0508	0.80	M5	4.20
MN0610	1.00	M6	5.00
MN08125	1.25	M8	6.80
MN09125	1.25	M9	7.80
MN10150	1.50	M10	8.50
MN12175	1.75	M12	10.20
MN14200	2.00	M14	12.00
MN16200	2.00	M16	14.00
MN18250	2.50	M18	15.50
MN20250	2.50	M20	17.50
MN22250	2.50	M22	19.50
MN24300	3.00	M24	21.00
MN27300	3.00	M27	24.00
MN30350	3.50	M30	26.50
MN33350	3.50	M33	29.50
MN36400	4.00	M36	32.00

GAS DA 1/8" A 2"

HRC 62/63 HSS



Serie n. 2 pcs

GAZ FROM 1/8" TO 2"



cod.	P mm	m	foro Ø mm
MNG1828	G 1/8"	8.80	65.35
MNG1419	G 1/4"	11.80	86.20
MNG3819	G 3/8"	15.25	102.65
MNG1214	G 1/2"	19.00	149.45
MNG5814	G 5/8"	21.00	180.50
MNG3414	G 3/4"	24.50	219.05
MNG7814	G 7/8"	28.25	289.75
MNG111	G 1"	30.75	357.25
MNG11811	G 1" 1/8"	35.50	540.45
MNG11411	G 1" 1/4"	39.50	583.25
MNG11211	G 1" 1/2"	45.25	741.25
MNG13411	G 1" 3/4"	51.30	975.90
MNG211	G 2"	57.20	1,101.75

MASCHI - GIRAMASCHI

TAPS - TAP WRENCHES

TARAUDS - TOURNE A GAUCHE

GIRAMASCHI ESTENSIBILI DIN 1814

ADJUSTABLE TAP WRENCHES DIN 1814

TOURNE À GAUCHE EXTENSIBLE DIN1814



Acciaio temperato
Tempered Steel
Acier Trempé

cod.	N°	m	BSW	G/BSP
MW0	0	1-8	1/16-1/4	-
MW1	1	1-10	1/16-3/8	.1/8
MW15	1.5	1-12	1/16-1/2	.1/8
MW2	2	4-12	5/32-3/4	.1/8
MW3	3	5-20	7/32-3/4	-1/8-1/2
MW4	4	11-27	7/16-1"	1/4-3/4
MW5	5	13-32	1/2-1"1/4	1/4-1"
MW6	6	18-42	3/4-1"1/2	1"1/2-1/4
MW7*	7	25-52	1"-1/8	2"3/4-1/4

GIRAMASCHI ESTENSIBILI PROFESSIONALI DIN 1814- PRO LINE

ADJUSTABLE TAP WRENCHES DIN 1814 - PRO LINE

TOURNE À GAUCHE EXTENSIBLE DIN 1814- PRO LINE



PRO-LINE

Acciaio da polvere - alta resistenza - più leggero
Steel dust - breaking strength - lighter
Acier de poussière - haute résistance - plus léger

cod.	M	L mm
MWPR0	1-8	130
MWPR1	1-10	180
MWPR1.5	1-12	200
MWPR2	3,5-12	280
MWPR3	5-20	380
MWPR4	11-27	500
MWPR5	13-32	750
MWPR6	18-42	1000

GIRASCHI A CRICCHETTO STANDARD



RATCHET TAP WRENCHES

cod.	M	BSW	L mm
MWM1	.3-10	1/8-3/8	85
MWM2	.5-12	7/32-1/2	110

PORTE TARAUDS À CLIQUET

GIRASCHI A CRICCHETTO STANDARD LUNGO



RATCHET TAP WRENCHES LONG

cod.	M	BSW	L mm
MWML10	.3-10	1/8-3/8	255
MWML20	.5-12	7/32-1/2	315

PORTE TARAUDS LONG À CLIQUET

GIRASCHI A CRICCHETTO STANDARD LUNGO - PRO LINE



RATCHET TAP WRENCHES LONG - PRO LINE

cod.	M	BSW	L mm
MWMPR1	.3-10	1/8-3/8	85
MWMPR2	.5-12	7/32-1/2	110

PORTE TARAUDS LONG À CLIQUET - PRO LINE

PRO-LINE

FILIERE METRICHE
PASSO GROSSO E PASSO FINE

METRIC DIES
COARSE AND FINE THREAD

FILIERES METRIQUES
A PAS GROS ET FIN

IMBOCCO CORRETTO DA M3 A M36 DIN 223

SPIRAL POINT FROM M3 TO M36 DIN 223

ENTRÉE GUN M3 À M36 DIN 223



cod.	Passo mm thread mm fil mm	m
FMC0305	0.50	M3
FMC0407	0.70	M4
FMC0405	0.50	M4
FMC0508	0.80	M5
FMC0505	0.50	M5
FMC0610	1.00	M6
FMC06075	0.75	M6
FMC08125	1.25	M8
FMC0810	1.00	M8
FMC08075	0.75	M8
FMC1015	1.50	M10
FMC10125	1.25	M10
FMC1010	1.00	M10
FMC10075	0.75	M12
FMC12175	1.75	M12
FMC1215	1.50	M12
FMC1210	1.00	M12
FMC1420	2.00	M14
FMC1415	1.50	M14
FMC14125	1.25	M14
FMC1410	1.00	M14
FMC1620	2.00	M16
FMC1615	1.50	M16
FMC1610	1.00	M16
FMC1825	2.50	M18
FMC1820	2.00	M18
FMC1815	1.50	M18
FMC1810	1.00	M18
FMC2025	2.50	M20
FMC2015	1.50	M20
FMC2010	1.00	M20
FMC2225	2.50	M22
FMC2220	2.00	M22
FMC2215	1.50	M22
FMC2430	3.00	M24
FMC2420	2.00	M24
FMC2415	1.50	M24
FMC2730	3.00	M27
FMC3035	3.50	M30
FMC3335	3.50	M33
FMC3640	4.00	M36

cod. **FG /FUN**

FILIERE GAS (BSP) DA 1/8" A 1/2"

METRIC DIES GAS (BSP) FROM 1/8" TO 1/2"

FILIÈRES MÉTRIQUES GAS DE 1/8" À 1/2"



cod.	Passo mm thread mm fil mm	m
FG1828	0.40	G1/8"
FG1419	0.50	G1/4"
FG3819	0.70	G3/8"
FG1214	0.50	G1/2"
FG5814	0.80	G5/8"
FG3414	1.00	G3/4"
FG111	0.75	G1"
FG11811	1.25	G1"1/8"
FG11411	1.00	G1"1/4"
FG11211	0.75	G1"1/2"

FILIERE UNC (BSW) DA 3/16" A 1"

METRIC DIES UNC (BSW) FROM 3/16" TO 1"

FILIÈRES MÉTRIQUES UNC DE 3/16" À 1"



cod.	Passo mm thread mm fil mm	m
FUNC316124	24	W3/16"
FUNC1420	20	W1/04"
FUNC51618	18	W5/16"
FUNC3816	16	W3/08"
FUNC71614	14	W7/16"
FUNC1212	12	W1/02"
FUNC91612	12	W9/16"
FUNC5811	11	W5/08"
FUNC9	10	W3/04"
FUNC789	9	W7/08"
FUNC18	8	W1"

PORTAFILIERE DIN 225

DIE HOLDER DIN 225

PORTE FILIÈRES DIN 225



cod.	Ø	M-MF	BSW	G/BSP
FH.0	16x5	1-2,6	1/16-3/32	-
FH.1	20x5	3-4	1/8-5/32	-
FH.2	20x7	4,5-6	3/16-1/4	-
FH.3	25x9	7-9	5/16	,1/16
FH.4	30x11	10-11	3/8-7/16	.1/8
FH.5	38x14	12-14	1/2-9/16	-
FH.6	45x18	16-20	5/8-13/16	3/2-1/2
FH.7	55x22	22-26	7/8-1"	-
FH.8	65x25	27-36	-	7/8-1"

PORTAFILIERE DIN 225
PRO LINE

DIE HOLDER DIN 225
PRO LINE

PORTE FILIÈRES DIN 225
PRO LINE



PRO-LINE

cod.	M	L mm
FHPRO.0	1-2,6	160
FHPRO.1	3-4	200
FHPRO.2	4,5-6	200
FHPRO.3	7-9	224
FHPRO.4	10-11	280
FHPRO.5	12-14	315
FHPRO.6	16-20	450
FHPRO.7	21-26	560
FHPRO.8	27-36	630



/ IT

UTENSILERIA / SEGHE CIRCOLARI HSS - HSS CO5%

/ EN

TOOLING / HSS - HSS CO5% SAWS BLADES

/ FR

OUTILLAGE / SCIÉS CIRCULAIRES HSS - HSS CO5%



Passo/n. denti - Pitch/n. teeth -

Ø	t10	t8	t6	t5	t4	t3
200	64	80C	120C	130C	160BW	200BW
225	70	90C	110C	140C	180BW	220BW
250	80	100C	128C	160C	200BW	250BW
275	90	110C	140C	180C	220BW	280BW
300	94	120C	160C	180C	220BW	300BW
315	100	120C	160C	200C	240BW	300BW
325	100	128C	170C	220C	250BW	320BW
350	110C	140C	180C	220C	280BW	350BW
370	110C	140C	190C	220C	280BW	
400	120C	160C	200C	250C	300BW	
425	130C	160C	220C	260C	320BW	
450	140C	180C	230C	280C	350BW	

SEGHE CIRCOLARI IN ACCIAIO HSS M35 (CO5%) PER TRONCATRICI LENTE

- Per taglio inossidabile
- MARVEL INOX: cod. MX dischi in HSS Co5% vaporizzati
- MARVEL INOX TiCN: cod. TCX HSS Co5%+ rivestimento TiCN maggior durezza e rendimento HV3300

HSS M35 (CO5%) STEAMED CIRCULAR SAWS BLADES FOR LOW SPEED SAWING MACHINES

- For stainless steel cut
- MARVEL INOX: cod. MX HSS Co5%
- steamed saws
- MARVEL INOXTiCN: cod. TCX HSS Co5% + titanium carbonitride coating surface hardness HV3300

SCIÉS CIRCULAIRES HSS M35 CO5% POUR RONCONNEUSES LENTES

- Pour couper l'acier inox
- MARVEL INOX : cod. MX HSS Co5% vaporisés
- MARVEL INOX TiCN: cod. TCX HSS Co5% + revêtement carbonitride de titane avec dureté Superficielle HV3300.

Ø mm	spessore thickness épaisseur	foro hole trou	MARVEL INOX cod.
200	1.8	32	MX200
225	1.9	32	MX225
250	2	32-40	MX250
250	2.5	32-40	MX250
275	2	32-40	MX275
275	2.5	32-40	MX275
300	2.5	32-40	MX300
315	2.5	32-40	MX315
350	2.5	32-40-50	MX350
350	3	32-40-50	MX350
370	3	32-40-50	MX370
400	3	40-50	MX400

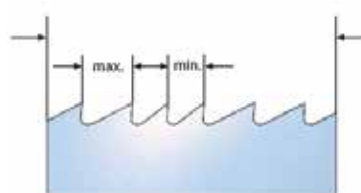
MARVEL INOX TiCN cod.
TCX200
TCX225
TCX250
TCX250
TCX275
TCX275
TCX300
TCX315
TCX350

Ordini: specificare il passo/n. denti, foro centrale
 Order: to specify pitch/n. teeth, center hole.
 Commande: préciser le n. dents, le pas et le trou central

/ IT
UTENSILERIA / LAME A NASTRO

/ EN
TOOLING / BANDSAWS BLADES

/ FR
OUTILLAGE / SCIES RUBAN



LAME A NASTRO BIMETAL COBALTO PROFLEX-CUT M42

- Per carpenteria - travi IPE - tubi - profilati anche in fasci - acciaio inossidabile
- Forma del dente studiata per sopportare carichi gravosi, senza che i denti si rompano
- La robustezza del dente viene ottenuta, sia con una variata geometria del dorso del dente; sia con una stradatura maggiorata - 67/69 HRC
- Dentatura disponibile: 10/14 - 8/12 - 6/10 - 5/8 - 4/6 - 3/4 -2/3

M42 BIMETAL BAND SAW BLADES PROFLEX-CUT

- For wide range of metals from low carbon steels to higher strength alloys
- Made by high quality steel increases fatigue life and minimizes band breaks
- Robust M42 high speed steel edge provides superior heat and wear resistance
- Hardness teeth 67/69 HRC
- Number of teeth available: 10/14 - 8/12 - 6/10 - 5/8 - 4/6 - 3/4 -2/3

LAMES SCIES RUBAN METAL EN COBALT M42 PROFLEX-CUT

- Pour charpenterie - poutrelles - tuyaux - profils - acier inox - aluminium
- La spéciale structure du dos du dent est étudiée pour supporter les charges les plus lourdes sans casser les dents, avec une voie de scie majorée
- Dureté du dent 67/69 HRC
- Denture disponible: 10/14 - 8/12 - 6/10 - 5/8 - 4/6 - 3/4 -2/3

cod.	h.xspessore h.xthickness h.épaisseur	dentixpollice teethxinch dentsxpouce
NSBB13x0,65	13x0,65	08/11
NSBB13x0,90	13x0,90	08/11
NSBB20x0,90	20x0,90	5/7 - 8/11
NSBB27x0,90	27x0,90	3/4-4/6-5/7-8/11

Prezzi netti - Quantità minima 5 pcs. per cod.
 Specificare il passo della dentatura

Net prices - Minimum order 5 pcs per reference
 Number of teeth to precise

Prix net - Commande minimum 5 pcs par reference
 Denture à préciser

/ IT

UTENSILERIA / **SEGHE A MANO** / HSS CO8%

/ EN

TOOLING / **HAND SAWS BLADES** / HSS
CO8%

/ FR

OUTILLAGE / **HSS CO8%**
**SEGHETTI A MANO HSS CO8% BIMETALLICI CON
ELEVATA FLESSIBILITÀ**

- Acciaio – acciaio legato - inossidabile
- Lunghezza : mm 300
- Dentatura ondulata Z24 per pollice

**HSS CO8% BIMETAL HAND HACK SAWS BLADES
HIGH FLEXIBILITY**

- Steel – alloyed steel - stainless steel
- Length : mm 300
- Z24 for inches

**LAMES DE SCIES À MAIN
GRANDE FLEXIBILITÉ**

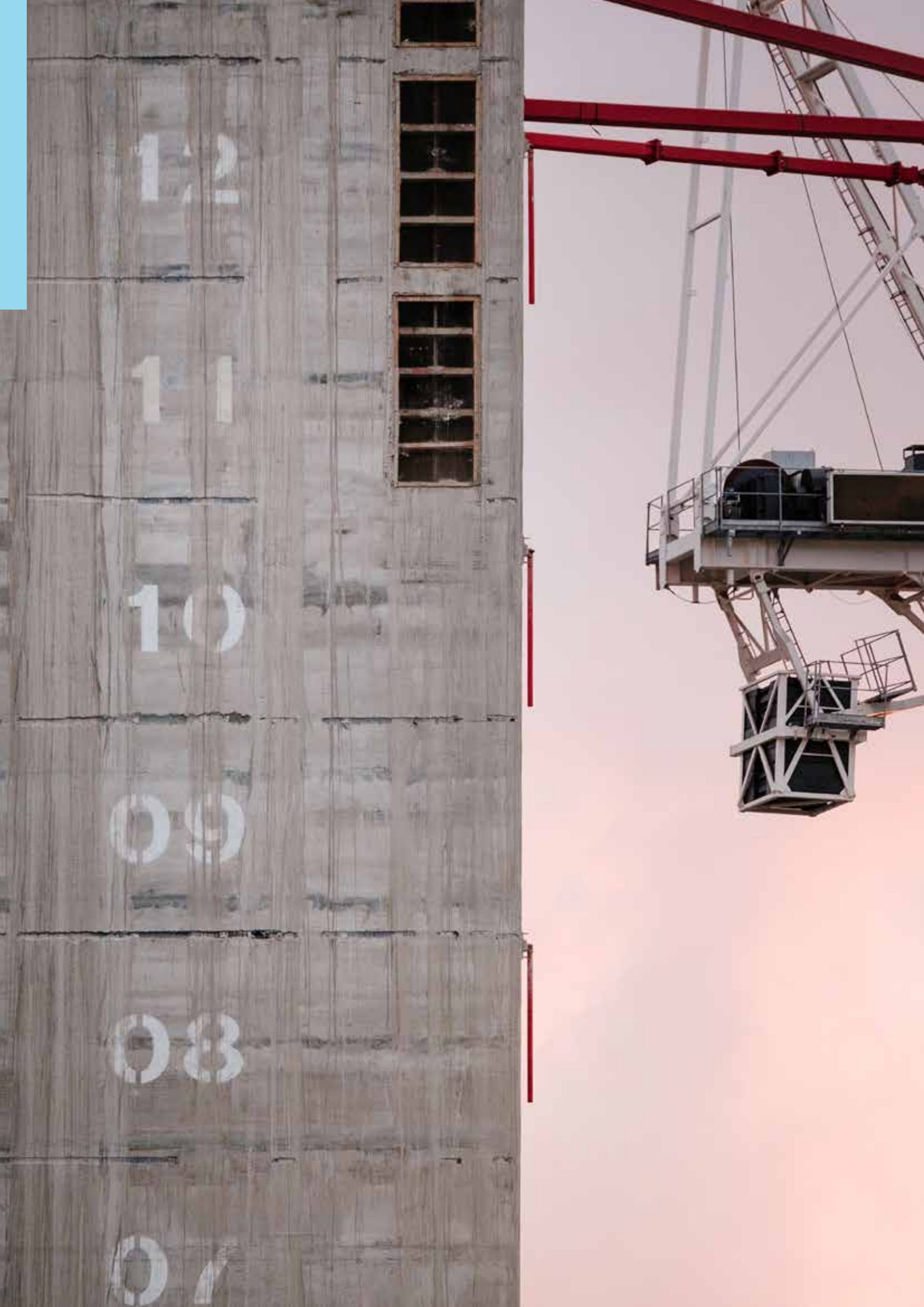
- Acier – acier lié - acier inox
- Longueur : mm 300
- Z24/pouce

cod.

SF30024Co

confezione n.pcs
package n.pcs
emballage n. pcs

100





**EDILIZIA
BUILDING
BATIMENT**

/ IT
EDILIZIA / CORONE ROTOPERCUSSIONE
SDS PLUS / ERCOLE

/ EN
BUILDING / HAMMER CORE DRILLS
SDS PLUS / ERCOLE

/ FR
BATIMENT / TRÉPANS BÉTON SDS
SDS PLUS / ERCOLE



FRESA A CORONA A ROTOPERCUSSIONE SD PLUS CON DENTI IN M.D.

- **Per forare:** cemento – calcestruzzo – pietra – muri
- Filetto M16 – lunghezza mm 70
- Corpi in acciaio altoresistenziale
- Denti sovradimensionati in M.D.
- Uso: con trapani rotobattenti e tassellatori

ROTARY HAMMER SDS PLUS CORE BIT WITH CARBIDE TIPPED

- **To drill:** concrete – stone – wall
- Thread M16 – length mm 70
- High-alloyed steel body and oversize carbide tipped
- Use: with percussion core drills

TRÉPANS AVEC DENTS CARBURE POUR MARTEAUX LÉGERS SDS PLUS

- **Les plus adaptés pour:** briques - dalles en ciment - pierre - cloisons seches
- Filetages M16 – longueur 70 mm
- Corps en Acier Haute résistance
- Dents en carbure surdimensionné
- Utilisation: pour marteaux légers

cod.	Ø mm	denti teeth dents
ER030000	30	3
ER035000	35	4
ER040000	40	4
ER045000	45	4
ER050000	50	6
ER060000	60	6
ER070000	70	6
ER080000	80	8
ER100000	100	8
ER110000	110	8
ER125000	125	12

I prezzi con comprendono albero e punta
 Prices do not include arbor and center drill
 Les prix ne compr ennent pas arbre and foret



ER16F370SDS

ERPRO200F

ER

PUN16

ACCESSORI

SPARE PARTS



cod. ER16F200SDS

albero SDS PLUS / SDS PLUS shank/ queue SDS PLUS

M16F L. 200 mm

for ERCOLE

cod. ER16F600SDS

albero SDS PLUS / SDS PLUS shank/ queue SDS PLUS

M16F L. 600 mm

for ERCOLE



cod. ERALB200ES

codolo esagonale / hexagonal shank/ queue hexagonal

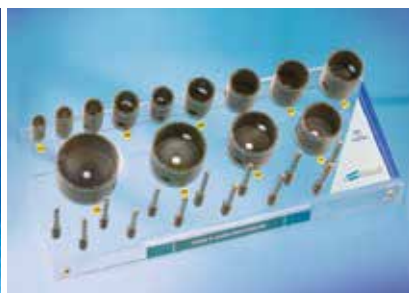
M16M L. 200 mm

for ERCOLE



ESPOSITORI

DISPLAY



ERESP009

ERESP013

ACCESSOIRES

cod. ER16F100SDS

albero SDS PLUS / SDS PLUS shank/ queue SDS PLUS

M16F L. 100 mm

for ERCOLE

cod. ER16F370SDS

albero SDS PLUS / SDS PLUS shank/ queue SDS PLUS

M16F L. 370 mm

for ERCOLE

cod. ERALB100ES

codolo esagonale / hexagonal shank/ hexagonal queue

M16M L. 100 mm

for ERCOLE

cod. ERALB370ES

codolo esagonale / hexagonal shank/ queue hexagonal

M16M L. 370 mm

for ERCOLE

cod. ERPRO200F

prolunga/ extension/ rallonge

M16M - M16F L. 200 mm

for alberi/ shank / queue SDS PLUS

cod. PUN9

punta pilota /center drill / foret centreur

T.C. 9x120 mm

for alberi esagonali/hexagonal shank /queue hexagonal

cod. PUN16

punta pilota /center drill / foret centreur

T.C. 10x120 mm - codolo/shank/queue M16M

for alberi SDS PLUS/SDS PLUS shank / queue SDS PLUS

PRESENTOIRS

cod. ERESP009

display ERCOLE 9 pcs

ø n.2 x30-35-40-45-50-60-70-80+6 ERALB100ES+3 ER16F100SDS+3 PUN16

cod. ERESP013

display ERCOLE 13 pcs

ø n.2 x30-35-40-45-2x50-2x60-70-2x80-100+5 ER16F100SDS+8 ER16F370SDS+13 PUN16

/ IT
EDILIZIA / CORONE ROTOPERCUSSIONE
SDS MAX / MAX ATTACCO CONICO

/ EN
BUILDING / HAMMER CORE DRILLS
SDS MAX / MAX TAPER CHUCK

/ FR
BATIMENT / TRÉPANS BÉTON SDS
SDS MAX / MAX ATTAQUE CONIQUE



CORONE PROFESSIONALI PER MARTELLI ELETTRICI - DENTI IN M.D. .

- **Uso:** cemento - calcestruzzo - conglomerati - pietra - opere murarie
- **Innesto conico 1:8 - Attacco SDS MAX**
- **Lunghezza:** 100 mm

HEAVY DUTY CORE DRILLS FOR HAMMER MACHINES - CARBIDE TIPPED TEETH

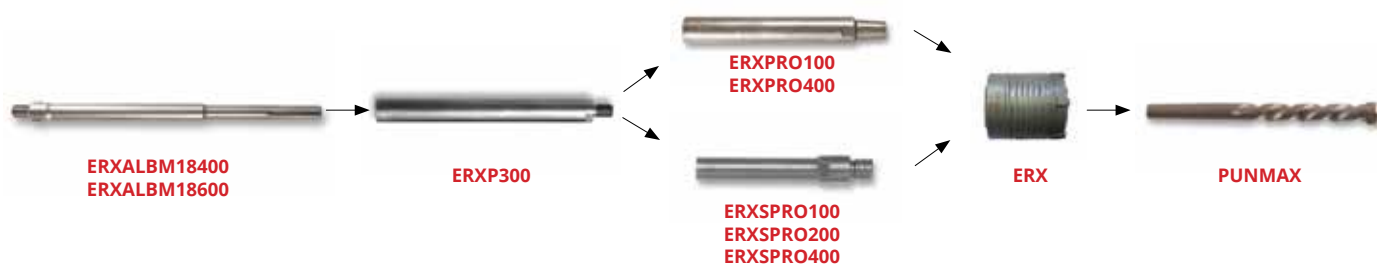
- **Use:** concrete - stone - wall
- **1:8 tapered - SDS MAX**
- **Length:** 100 mm

TRÉPANS PROFESSIONNELS POUR MARTEAUX PERFORATEURS - DENTS EN CARBURE

- **Utilisation:** ciment - conglomère - pierre - murs en béton
- **Attaque conique 1:8 - SDS MAX**
- **Longueur:** 100 mm

cod.	Ø mm	denti teeth dents
ERX045000	45	6
ERX050000	50	6
ERX060000	60	6
ERX066000	66	8
ERX070000	70	8
ERX080000	80	8
ERX090000	90	10
ERX100000	100	10
ERX110000	110	12
ERX125000	125	12
ERX130000	130	12
ERX150000	150	14

I prezzi con comprendono albero e punta
 Prices do not include arbor and center drill
 Les prix ne comprennent pas arbre and foret



ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. ERXALB250X

albero SDS MAX / SDS MAX shank/ queue SDS MAX

L. 250 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXALB450X

albero SDS MAX / SDS MAX shank/ queue SDS MAX

L. 450 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXALB600X

albero SDS MAX / SDS MAX shank/ queue SDS MAX

L. 600 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXALBM18400

albero SDS MAX M18 / SDS MAX M18 shank / queue SDS MAX M18

L. 400 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXALBM18600

albero SDS MAX M18 / SDS MAX M18 shank / queue SDS MAX M18

L. 600 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXP300

prolunga/holder/rallonge

M18M - M18F L. 300 mm

for EXPRO100 - EXPRO400



cod. ERXPRO100

prolunga/holder/rallonge

100 mm - cono 1:8

for ERXALBM18400 - ERXALBM18600



cod. ERXPRO400

prolunga/holder/rallonge

400 mm - cono/cone 1:8

for ERXALBM18400 - ERXALBM18600



cod. PUNMAX

punta pilota /center drill / foret

12x130 mm codolo conico/conical shank/emboute conique 1:20

for alberi esagonali/hexagonal shank /queue hexagonal

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. ERXESP008

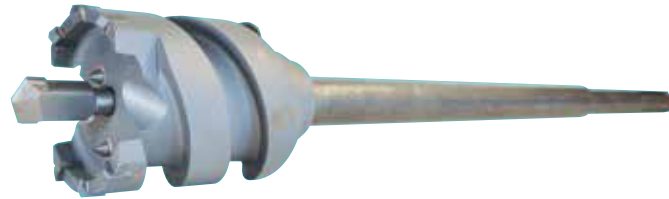
display ERCOLE MAX 8 pcs

Ø 35-40-45-50-60-66 -80 - 90 +1 ERXALB250X+ 1 ERXALB450X + 2 PUNMAX

/ IT
EDILIZIA / CORONE ROTOPERCUSSIONE
PLUS-MAX / MIRAGE MAX

/ EN
BUILDING / HAMMER CORE DRILLS
PLUS-MAX / MIRAGE MAX

/ FR
BATIMENT / TRÉPANS BÉTON SDS
PLUS-MAX / MIRAGE MAX



PUNTE ELICOIDALI A ROTOPERCUSSIONE SDS MAX CON DENTI IN M.D.

- **Uso:** muro - cemento - pietra
- **Grandi fori da Ø 55 a 100 mm** - profondità fino a 140 cm con prolunghe modulari
- Corpo in acciaio NiCr - denti frontali in metallo duro K10
- Punta guida centrale con placchetta M.D.
- Attacco conico 1:8 per alberi ERCOLE MAX 400-600-1000 mm
- Accessori ERCOLE MAX

T.C.T CORE CUTTERS TWIST DRILLS

- **Use:** wall - concrete - stone
- **Larges holes - deep:** until 140 cm with holder system
- NiCr High alloy steel body - carbide tipped teeth
- 1:8 tapered for ERCOLE MAX shank 400-600-1000 mm
- Accessories ERCOLE MAX

FORÉTS BÉTON SDS MAX MULTI-TAILLANTS POUR MARTEAUX PERFORATEURS

- **Utilisation:** murs- béton - pierre
- **Gros diamètre - profondeur:** jusqu'à 140 cm avec système modulable
- Corp en acier Nicr - dents en carbure K10
- Attaque conique 1:8 pour arbre ERCOLE MAX 400-600-1000 mm
- Accessoires ERCOLE MAX

cod.	Ø mm
MG055X100	55
MG065X100	65
MG080X100	80

ACCESSORI

SPARE PARTS

ACCESSOIRES



MGP

punta pilota / center drill / foret centreur

16x60 mm codolo conico 1:20

/ IT
 EDILIZIA / CORONE ROTOPERCUSSIONE /
 ERCOLE MAX

/ EN
 BUILDING / HAMMER CORE DRILLS /
 ERCOLE MAX

/ FR
 BATIMENT TRÉPANS BÉTON SDS /
 ERCOLE MAX



**CORONE PROFESSIONALI PER MARTELLI
 ELETTRICI - DENTI IN M.D.**

- **Uso:** cemento - calcestruzzo - conglomerati - pietra - opere murarie
- **Attacco SDS MAX filettato con molla**
- **Lunghezza:** 100 mm

**HEAVY DUTY CORE DRILLS FOR HAMMER
 MACHINES - CARBIDE TIPPED TEETH**

- **Use:** concrete - stone - wall
- **SDS MAX threaded shank with spring**
- **Length:** 100 mm

**TRÉPANS PROFESSIONNELS POUR MARTEAUX
 PERFORATEURS - DENTS EN CARBURE**

- **Utilisation:** ciment - conglomère - pierre - murs en béton
- **SDS MAX queue filetée avec ressort**
- **Longueur:** 100 mm

cod.	Ø mm	denti teeth dents
ERXS040000	40	4
ERXS050000	50	6
ERXS060000	60	6
ERXS066000	66	8
ERXS070000	70	8
ERXS080000	80	8
ERXS090000	90	10
ERXS100000	100	10
ERXS110000	110	12
ERXS125000	125	12
ERXS130000	130	12
ERXS150000	150	14
ERXS160000	160	14
ERXS200000	200	15

I prezzi con comprendono albero e punta
 Prices do not include arbor and center drill
 Les prix ne comprennent pas arbre and foret

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. ERXSALB250X

albero SDS MAX foro filettato / SDS MAX shank threaded hole/ queue SDS MAX trou fileté

L. 250 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXSALB450X

albero SDS MAX foro filettato / SDS MAX shank threaded hole/ queue SDS MAX trou fileté

L. 450 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXALBM18400

albero SDS MAX M18 / SDS MAX shank M18/ queue SDS MAX M18

L. 400 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXALBM18600

albero SDS MAX M18 / SDS MAX shank M18/ queue SDS MAX M18

L. 600 mm

for : Bosh, Hilti, Dewalt, Elu, Atlas Copco, Metabo



cod. ERXP300

prolunga/holder/rallonge

M18M - M18F L. 300 mm

for EXSPRO100 - EXSPRO200 - EXPRO400



cod. ERXSPRO100

prolunga/holder/rallonge

M18F L. 100 mm

for ERXALBM18400 - ERXALBM18600

cod. ERXSPRO200

prolunga/holder/rallonge

M18F L. 200 mm

for ERXALBM18400 - ERXALBM18600



cod. ERXSPRO400

prolunga/holder/rallonge

M18F L. 400 mm

for ERXALBM18400 - ERXALBM18600



cod. ERXAD

adattatore/adapter/adaptateur

SDS MAX - SDS PLUS

L. 220 mm



cod. ERX1

adattatore/adapter/adaptateur

cono 1:8 / filettato



cod. M09

molla/spring/ressort



cod. PUNMAX

punta pilota /center drill / foret centreur

12x130 mm codolo conico/conical shank/emboute conique 1:20

for alberi esagonali/hexagonal shank/ queue hexagonal

ESPOSITORI

DISPLAY

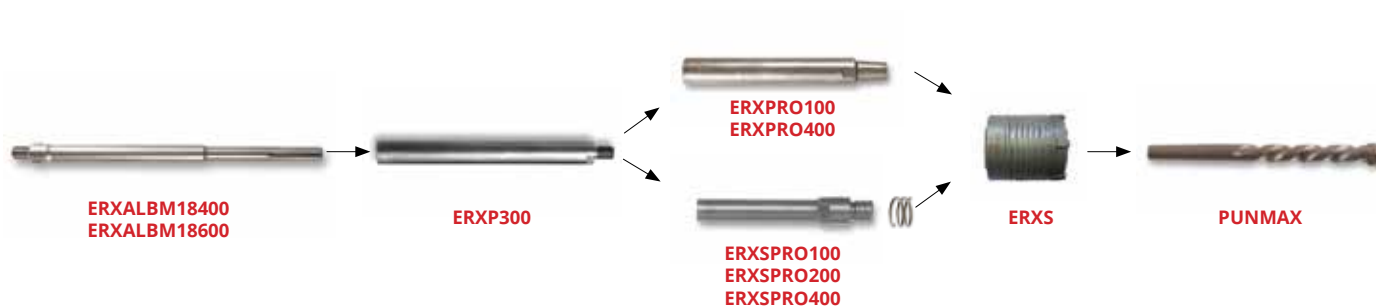
PRESENTOIRS



cod. ERXSESP07

display ERXS 7 pcs

ø n.40-50-60-66-80-90-100 +1 ERXSALB250X+1 ERXSALB450X+2 PUNMA



/ IT
EDILIZIA / SEGHE A TAZZA PER MURO /
COBRA

/ EN
BUILDING / MASONRY HOLE SAWS /
COBRA

/ FR
BATIMENT / TRÉPANS POUR MUR / **COBRA**



SEGHE A TAZZA MULTIUSO CON DENTI IN M.D.

- **Uso:** marmo – laterizi – materie plastiche - cartongesso
- Gola spiroidale per scarico detriti
- **Solo Rotazione**

CARBIDE TIPPED MULTI-PURPOSE HOLE

- **Use:** marble - brick - plastic materials - plasterboard
- Spiral flute for debris discharge
- **Only Rotation**

TRÉPANS ÉLECTRICIENS AVEC DENTS CARBURE MULTI-UTILISATION

- **Utilisation:** marbre - brique - matériaux plastiques - placoplâtre
- **Uniquement à Rotation**

cod.	Ø mm
CB016000	16
CB017000	17
CB022000	22
CB025000	25
CB026000	26
CB027000	27
CB030000	30
CB034000	34
CB038000	38
CB040000	40
CB043000	43
CB045000	45
CB049000	49
CB055000	55
CB061000	61
CB065000	65
CB070000	70
CB075000	75
CB080000	80
CB085000	85
CB090000	90

cod.	Ø mm
CB100000	100
CB105000	105
CB110000	110
CB120000	120
CB125000	125

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. CBALB010

albero / shank / queue

10 mm + PUN061

for CB Ø 22<49



cod. CBALB012

albero / shank / queue

12 mm + PUN074

for CB Ø 55<125



cod. CBPRO350

albero / shank / queue

350 mm + PUN061

for CB Ø 22<49



cod. CBPRO600

albero / shank / queue

600 mm + PUN074

for CB Ø 55<125



cod. CBBOCPRO

boccola / bush / boite

M12x1,25F - M16x1,25M

for CB Ø 55<125 with PUN090



cod. RACCORDO

raccordo / adapter / raccord

M16x1,25F - M12x1,25M

for CBALBSDS

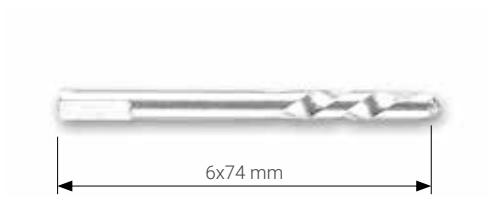


cod. PUN061

punta pilota / center drill / foret centreur

T.C. 6x61 mm

for CB Ø 22<49



cod. PUN074

punta pilota / center drill / foret centreur

T.C. 6x74 mm

for CB \varnothing 55<125



cod. PUN090

punta pilota / center drill / foret centreur

T.C. 6x90 mm

for RACCORDO - CBB0CPRO

ESPOSITORI/KIT

DISPLAY/KIT

PRESENTOIRS/KIT



cod. CBESP011

COBRA 11 pcs

\varnothing 16-22-25-27-30-34-40-43-49-61-70

/ IT

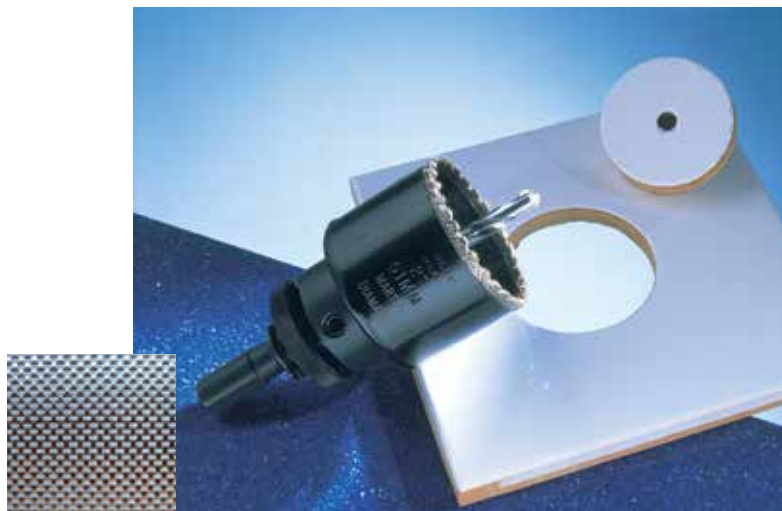
**EDILIZIA / SEGHE A TAZZA IN DIAMANTE /
MARTIN DIAMANT**

/ EN

**BUILDING / DIAMOND HOLE SAWS /
MARTIN DIAMANT**

/ FR

**BATIMENT / TRÉPANS DIAMANTÉES /
MARTIN DIAMANT**



SEGHE A TAZZA DIAMANTATE SUPERABRASIVE

- **Uso:** vetroresina - carbonio - materiali abrasivi- plastica - ceramica - laterizi - vetro - compositi
- Trattamento di diamante elettrodeposto sull'estremità di taglio
- **Solo rotazione**
- **Profondità foratura** 34 mm
- L'utensile diamantato può essere rigenerato

DIAMOND ELECTRO - COATED HOLE SAWS

- **Use:** fiberglass - carbonium - abrasive materials - plastic - brick - glass - composites
- **Only rotation**
- **Cutting depth** 34 mm
- Diamond tool can be regenerated

TRÉPANS DIAMANTÉS ÉLÉCTRO - DÉPOSÉS

- **Utilisation:** fibre de verre - carbone- plastique - carrelage - brique - verre- matériaux abrasifs
- **Uniquement Rotation**
- **Profondeur de coupe** 34 mm
- Les trépanés peuvent être régénérés

cod.	Ø mm
MD014000	14
MD016000	16
MD017000	17
MD019000	19
MD020000	20
MD021000	21
MD022000	22
MD024000	24
MD025000	25
MD027000	27
MD029000	29
MD030000	30
MD032000	32
MD033000	33
MD035000	35
MD037000	37
MD038000	38
MD040000	40
MD041000	41
MD043000	43
MD044000	44
MD046000	46

cod.	Ø mm
MD048000	48
MD050000	50
MD051000	51
MD052000	52
MD054000	54
MD057000	57
MD059000	59
MD060000	60
MD064000	64
MD065000	65
MD067000	67
MD068000	68
MD070000	70
MD073000	73
MD076000	76
MD079000	79
MD083000	83
MD086000	86
MD089000	89
MD092000	92
MD095000	95
MD098000	98
MD102000	102
MD105000	105
MD108000	108
MD111000	111
MD114000	114
MD121000	121
MD127000	127
MD140000	140

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. MDALB09

albero / shank / queue

9 mm + PUN075

for MD ø 14<30



cod. MDALBM11

albero / shank/ queue

11 mm + PUN075

for MD ø 32<140



cod. MDALBP11

albero / shank/ queue

11 mm + PUN075

for MD \varnothing 32<140



cod. PUN075

punta pilota / center drill / foret centreur

TC 6,5x75 mm

for MDALB09-MDALBM11-MDALBBP11

/ IT

EDILIZIA / FORETTI DIAMANTATI PER GRES PORCELLANATO / **PROGRES UTILIZZO AD UMIDO**

/ EN

BUILDING / DIAMOND CORE DRILL BITS FOR PORCELAIN GRES / **PROGRES WET USE**

/ FR

BATIMENT / FORETS DIAMANT POUR GRÈS CÉRAMIQUE / **PROGRES UTILISATION À L'EAU**



FORETTI A ROTAZIONE DIAMANTATI

- **Uso:** gres porcellanato - graniti - ceramiche - conglomerati
- **Lunghezza** 90 mm - codolo esagonale 10 mm - profondità foratura 40 mm
- **Fori:** fino a Ø 17 mm. Per fori superiori PGS - PGM14
- **Le punte vanno utilizzate con acqua per refrigerare - SENZA PERCUSSIONE**
- Iniziare la foratura con PG in rotazione con angolo di 45° portare lentamente a 90° oscillando
- Pressione moderata
- Velocità rotazione: Ø 5-6 Rpm 1800/2000 - Ø 8-10 Rpm 1400/1600 - Ø 12-17 Rpm 1200

DIAMOND CORE DRILL BITS

- **Use:** Porcelain gres - granite - ceramic
- **Length** 90 mm - hexagonal shank 10 mm - 40 mm deep cut
- **Holes:** until Ø 17 mm. For larger holes PGS - PGM14
- **Utilisation with Water cooling - WITHOUT PERCUSSION**
- Start drilling with an angle of 45 ° slowly lead to 90 ° with oscillatory movement
- Use moderate pressure
- Rotation speed: Ø 5-6 Rpm 1800/2000 - Ø 8-10 Rpm 1400/1600 - Ø 12-17 Rpm 1200

FORETS DIAMANT

- **Utilisation:** grès céramique - granit - céramique - verre
- **Longueur:** 90 mm - queue hexagonal 10 mm - profondeur de coupe 40 mm
- **Trous:** jusqu'à Ø 17 mm - Pour gros diamètres: PGS - PGM14
- **Usage avec eau de refroidissement - NE PAS UTILISER PERCUSSION**
- Commencer le perçage avec un inclination à 45° - Porter l'outil lentement à 90° avec mouvement oscillant
- Pression modérée
- Vitesse de rotation Ø 5-6 Rpm 1800/2000 - Ø 8-10 Rpm 1400/1600 - Ø 12-17 Rpm 120

cod.	Ø mm	L.
PG05	5	90
PG06	6	90
PG08	8	90
PG10	10	90
PG12	12	90
PG14	14	90
PG15	15	90
PG16	16	90
PG17	17	90



Confezione singola
Single package
Emballage un pièce

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. PGK2

KIT contenitore a pressione 1 litro + ventosa



KIT n.7 PG + 1 VENTOSA

ø 5x1pz, 6x2pz, 8x2pz, 10x1pz, 12x1pz



cod. PGE40

DISPLAY N.40 PG

ø 5x 4pz, 6x12pz, 8x12pz, 10x 8pz, 12x4pz

/ IT

EDILIZIA / FORETTI DIAMANTATI PER GRES PORCELLANATO / PROGRES UTILIZZO A SECCO

/ EN

BUILDING / DIAMOND CORE DRILL BITS FOR PORCELAIN GRES / PROGRES DRY USE

/ FR

BATIMENT / FORETS DIAMANT POUR GRÈS CÉRAMIQUE / PROGRES UTILISATION À SEC



FORETTI A ROTAZIONE DIAMANTATI

- **Usò:** gres porcellanato – monocottura - graniti – ceramica - marmo
- **Lunghezza 80 mm** – Profondità foratura 40 mm
- **Fori:** fino a Ø 17 mm. Per fori superiori PGS – PGM14
- **Utilizzo a secco – SENZA PERCUSSIONE – LUBRIFICAZIONE INTERNA**
- Iniziare la foratura con PG in rotazione con angolo di 45° portare lentamente a 90° oscillando
- Pressione moderata
- Velocità rotazione: Ø 5-6 Rpm 1800/2000 – Ø 8-10 Rpm 1400/1600 – Ø 12-17 Rpm 1200

DIAMOND CORE DRILL BITS

- **Use:** Porcelain grès – granite – ceramic – marble
- **Length 80 mm** – Maximum depth capacity: 40 mm.
- **Holes:** until Ø 17 mm. For larger holes PGS – PGM14
- **Dry use – WITHOUT PERCUSSION - INTERNAL LUBRIFICATION**
- Start drilling with an angle of 45 ° slowly lead to 90 ° with oscillatory movement- Use moderate pressure
- Rotation speed: Ø 5-6 Rpm 1800/2000 – Ø 8-10 Rpm 1400/1600 – Ø 12-17 Rpm 1200

FORETS DIAMANT

- **Utilisation:** grès – céramique – granit - marbre
- **Longueur 80 mm** – Profondeur maximale: 40 mm
- **Trous:** jusqu’ à 17 mm. Grand trous PGS – PGM14
- **Utilisation à sec – NE PAS UTILISER PERCUSSION – LUBRIFICATION À L’INTERIEUR**
- Commencer le perçage avec le foret incliné 45°porter l’outil lentement à 90° avec mouvement oscillant
- Pression modérée

cod.	Ø mm	L.
PGS05	5	70
PGS06	6	70
PGS08	8	80
PGS10	10	80
PGS12	12	80
PGS14	14	80
PGS15	15	80
PGS16	16	90
PGS18	18	90
PGS20	20	90
PGS22	22	90
PGS25	25	90



Confezione singola
Single package
Emballage un pièce

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. **PGSE10**

DISPLAY MIX n.6 PGS+ n.4 PGM14

Ø mm 6x2pz, 8x2pz, 10x 1pz, 12x1pz, 25x1pz, 27x1pz, 35x1pz, 40x1pz



cod. **PGSK8**

DISPLAY MIX n.7 PGS + ventosa

Ø mm 5x1pz, 6x1pz, 6x2pz, 8x1pz, 10x1pz, 12x1pz, 14x1pz

/ IT
EDILIZIA / FORETTI DIAMANTATI PER GRES
 PORCELLANATO / **PROGRES M14**

/ EN
BUILDING / DIAMOND CORE DRILL BITS
 FOR PORCELAIN GRES / **PROGRES M14**

/ FR
BATIMENT / FORETS DIAMANT POUR GRÈS
 CÉRAMIQUE / **PROGRES M14**



FORETTI A ROTAZIONE DIAMANTATI A SECCO

- **Usò:** gres porcellanato - monocottura - ceramica - granito - marmo
- **Attacco M14** smerigliatrici angolari
- **Profondità foratura 40 mm**
- Utilizzare con smerigliatrici angolari - velocità rotazione tra 10000-12000 R.P.M.
- Iniziare la foratura con PGM14 in rotazione con angolo di 45°
- Poi portare lentamente a 90° oscillando - Pressione moderata

DIAMON CORE DRILL BITS

- **Use:** Porcelain gres - granite - ceramic - marble
- **M14 Thread** angle grinder
- Maximum **depth capacity: 40 mm.**
- **Dry use - without percussion**
- Start drilling with an angle of 45 ° slowly lead to 90 ° with oscillatory movement- Use moderate pressure

FORETS DIAMANT

- **Utilisation:** grès - céramique - granit - marbre
- **Filetage M14** meuleuse d'angle
- Profondeur **maximale: 40 mm**
- **Utilisation à sec - NE PAS UTILISER PERCUSSION**
- Commencer le perçage avec le foret incliné 45°porter l'outil lentement à 90° avec mouvement oscillant
- Pression modérée

cod.	Ø mm	attacco attack embout
PGM1406	6	M/14
PGM1408	8	M/14
PGM1410	10	M/14
PGM1412	12	M/14
PGM1414	14	M/14
PGM1415	15	M/14
PGM1418	18	M/14
PGM1420	20	M/14
PGM1422	22	M/14
PGM1425	25	M/14
PGM1427	27	M/14
PGM1430	30	M/14
PGM1432	32	M/14
PGM1435	35	M/14
PGM1438	38	M/14
PGM1440	40	M/14
PGM1445	45	M/14

cod.	Ø mm	attacco attack embout	€
PGM1450	50	M/14	149,05
PGM1455	55	M/14	164,55
PGM1460	60	M/14	179,05
PGM1465	65	M/14	192,50
PGM1470	70	M/14	208,05
PGM1475	75	M/14	223,05
PGM1480	80	M/14	239,60
PGM1485	85	M/14	271,15
PGM1490	90	M/14	309,45
PGM1495	95	M/14	326,00
PGM14100	100	M/14	343,60
PGM14115	115	M/14	392,25
PGM14120	120	M/14	412,45



Confezione singola
Single package
Emballage un pièce

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. **PGA1410**

albero / shank/ queue

10 mm M14

cod. **TTPUN**

punta pilota / center drill / foret centreur

TC ø 5 X100 mm

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. **PGM14E6**

DISPLAY n.6 PGM14

Ø mm 20 - 22 - 25 - 30 - 35 - 40 + n6 TTPUN + n6 PGA1410

697,00 €

/ IT
EDILIZIA / CAROTATORI DIAMANTATI /
TITAN G 150-200

/ EN
BUILDING / DIAMOND CORE DRILLS /
TITAN G 150-200

/ FR
BATIMENT / COURONNES DIAMANTÉES /
TITAN G 150-200



CAROTATORI A SEGMENTI DIAMANTATI con scarico laterale elicoidale Taglio a SECCO

- **Uso:** laterizi - cemento - materiali abrasivi
- **Attacco M 16**
- **Lunghezza** 150 - 200 mm - Settori diamantati 10 mm con scarichi
- **SALDATURA LASER**
- Uso a secco con carotatrici manuali 1500/2000W
- **NON USARE PERCUSSIONE**

DIAMOND CORE DRILL with twist debris discharge DRY cut

- **Use:** concrete - brick - abrasive materials
- **M 16 shank**
- 150 - 200 mm **length** - 10 mm diamond sectors with discharge
- **LASER WELDED**
- Use dry with 1500/2000w core drill machines
- **NO PERCUSSION**

COURONNE DIAMANTÉES avec rainure pour évacuation matériaux COUPE à SEC

- **Utilisation:** béton - brique - matériaux abrasifs
- **Embout M 16**
- **Longueur :** 150 - 200 mm - Secteurs diamantés 10 mm avec décharge
- **SOUDURE LASER**
- Utilisation à sec avec perceuses 1500/2000w
- **NE PAS UTILISER PERCUSSION**

Ø mm	attacco attack embout	Z	L. mm 150 cod.
32	M16	4	TTG150032
37	M16	4	TTG150037
42	M16	4	TTG150042
52	M16	4	TTG150052
62	M16	4	TTG150062
72	M16	4	TTG150072
82	M16	5	TTG150082
92	M16	6	TTG150092
102	M16	6	TTG150102
112	M16	6	TTG150112
122	M16	6	TTG150122
132	M16	6	TTG150132
142	M16	6	TTG150142
152	M16	7	TTG150152
162	M16	7	TTG150162
182	M16	8	TTG150182
202	M16	8	TTG150202

L. mm 200 cod.
TTG200032
TTG200037
TTG200042
TTG200052
TTG200062
TTG200072
TTG200082
TTG200092
TTG200102
TTG200112
TTG200122
TTG200132
TTG200142
TTG200152
TTG200162
TTG200182
TTG200202

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. TTALB100ES

albero esagonale/shaft hexagonal/arbre hexagonal

100 mm M16 for all ϕ



cod. TTALB200ES

albero esagonale/shaft hexagonal/arbre hexagonal

200 mm M16 for all ϕ



cod. TTALB300ES

albero esagonale/shaft hexagonal/arbre hexagonal

300 mm M16 for all ϕ



cod. TTALB115SDS

albero SDS/shaft SDS/arbre SDS

115 mm M16 for all ϕ



cod. TTALB200SDS

albero SDS/shaft SDS/arbre SDS

200 mm M16 for all ϕ



cod. TTALB300SDS

albero SDS/shaft SDS/arbre SDS

300 mm M16 for all ϕ

€ 65,60



cod. TTPRO270

prolunga/extension/rallonge M16M - M16F

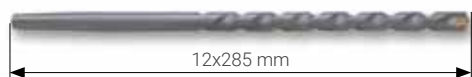
L. 270 mm for all alberi/shaft/arbre M16



cod. TTPUN012

punta pilota / center drill / foret T.C. for TTG150

12x240 mm cono 1:20 for all alberi/shaft/arbre SDS - hexagonal



cod. TTPUN285

punta pilota / center drill / foret T.C. for TTG200

12x285 mm cono 1:20 for all alberi/shaft/arbre SDS - hexagonal



cod. TTALB250SDSMAX

albero SDS MAX/shank SDS MAX/ queue SDS MAX

250 mm M16M for all ø



cod. TTALB350SDSMAX

albero SDS MAX/shank SDS MAX/queue SDS MAX

350 mm M16M for all ø



cod. TTPUN12M16

punta pilota / center drill / foret centreur

12x220 mm M16 for all alberi/shaft/arbre SDS MAX



cod. TT18/16

adattatore MAKITA M18F / M16M

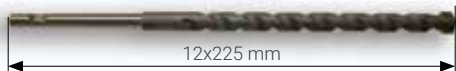
100 mm for all alberi/arbor/arbre SDS MAX



cod. TTM150

mandrino rapido/quick chuck/broche rapide

M16F / M16M for SHARK 1700



cod. TTP255

punta pilota / center drill / foret centreur

12x255 mm for TTM150



TTM150

TTG

PER CAROTATORI / FOR CORE DRILLS / POUR COURONNES : l150 mm - l 250 mm

/ IT
EDILIZIA / CAROTATORI DIAMANTATI /
TITAN G 300 A SECCO

/ EN
BUILDING / DIAMOND CORE DRILLS /
TITAN G 300 DRY CUT

/ FR
BATIMENT / COURONNES DIAMANTÉES /
TITAN G 300 COUPE À SEC



CAROTATORI A SEGMENTI DIAMANTATI CON SCARICO LATERALE ELICOIDALE TAGLIO A SECCO

- **Uso:** cemento - laterizi - pietre
- **Attacco filettato 1" 1/4 W.F.**
- **Lunghezza** 300 mm - Settori diamantati 10 mm con scarichi
- **SALDATURA LASER**
- Uso a secco con carotatrici manuali 1500/2000W
- **NON USARE PERCUSSIONE**

DIAMOND CORE DRILLS WITH DISCHARGE DRY CUT

- **Use:** concrete - brick - stone
- **1" 1/4 W.F shank.**
- **Length** 300 mm - 10 mm diamond sectors with discharge
- **LASER WELDED**
- Use dry with 1500/2000w core drill machines
- **NO PERCUSSION**

COURONNE DIAMANTÉES AVEC RAINURE POUR ÉVACUATION MATERIAUX COUPE À SEC

- **Utilisation:** béton - brique - pierre
- **Emboute 1" 1/4 W.F.**
- **Longueur** mm 300 - Secteurs diamantés 10 mm avec décharge
- **SOUDURE LASER**
- Utilisation à sec avec perceuses 1500/2000w
- **NE PAS UTILISER PERCUSSION**

Ø mm	Ø mm	attacco attack embout	Z
32	TTG300032	1" 1/4	4
42	TTG300042	1" 1/4	4
52	TTG300052	1" 1/4	5
62	TTG300062	1" 1/4	5
72	TTG300072	1" 1/4	6
82	TTG300082	1" 1/4	6
102	TTG300102	1" 1/4	7
112	TTG300112	1" 1/4	7
122	TTG300122	1" 1/4	8
127	TTG300127	1" 1/4	8
132	TTG300132	1" 1/4	8
142	TTG300142	1" 1/4	8
152	TTG300152	1" 1/4	8
162	TTG300162	1" 1/4	9
182	TTG300182	1" 1/4	9
202	TTG300202	1" 1/4	10

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. **TTCPRO250**

prolunga/extension/rallonge

1" - 1/4 W.F. for all ϕ



cod. **TTATT1/2**

attacco/attack/emboute

1" - 1/4 W.M. - 1/2 G.M. for all ϕ



cod. **TTM 1 1/4**

mandrino rapido/ quick chuck/ broche rapide

use on Shark 2200



cod. **TTP400**

punta pilota / center drill / foret centreur

L. 400 mm for TTM1" 1/4

/ IT
EDILIZIA / CAROTATORI DIAMANTATI /
TITAN PREMIUM A UMIDO

/ EN
BUILDING / DIAMOND CORE DRILLS /
TITAN PREMIUM WET CUT

/ FR
BATIMENT / COURONNES DIAMANTÉES /
TITAN PREMIUM COUPE À L'EAU



L 450 mm - 1"1/4 w.f.



CAROTATORI A SEGMENTI DIAMANTATI TAGLIO A UMIDO

- **Uso:** cemento – cemento armato – laterizi
- Attacco 1" 1/4 W.F.
- **Lunghezza** 450 mm - Settori diamantati 10 mm con scarichi
- Uso con abbondante acqua
- Fissare solidamente il supporto
- Diminuire l'avanzamento su cemento armato
- Non usare il martello per staccare lo sfrido nella corona

WET CUTTING DIAMOND CORE DRILLS

- **Use:** concrete – brick
- 1" 1/4 W.F. shank
- 450 mm **length** – 10 mm diamond sectors with discharge
- Use with abundant cooling water
- Fix firmly the support
- Decrease lead on reinforced concrete
- Do not use hammer to remove the rubble inside the drill

COURONNES DIAMANTÉES COUPE À L'EAU

- **Utilisation:** ciment – béton armé – cloison seches
- Emboute 1" 1/4 W.F.
- **Longueur** : 450 mm - Secteurs diamantés mm 10 avec décharge
- Utiliser eau abondante pour un bon refroidissement
- Fixer solidement le soutien
- Diminuer l'avancement pendant l'utilisation sur béton armé
- Ne pas utiliser le marteau pour enlever le déchet dans la couronne

cod.	Ø mm	Z
TTPR	32	3
TTPR	37	4
TTPR	42	5
TTPR	47	5
TTPR	52	6
TTPR	57	5
TTPR	62	5
TTPR	67	5
TTPR	72	6
TTPR	82	7
TTPR	92	8
TTPR	102	9
TTPR	107	9
TTPR	112	9
TTPR	122	9
TTPR	127	10
TTPR	132	10
TTPR	142	11
TTPR	152	12

cod.	Ø mm	Z
TTPR	162	12
TTPR	182	13
TTPR	201	14
TTPR	231	15
TTPR	251	16
TTPR	300	18
TTPR	350	19
TTPR	400	21
TTPR	500	23

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. TTCPR0250

prolunga/extension/rallonge

1" - 1/4 W.F. for all ø



cod. TTATT1/2

attacco/attack/emboute

1" - 1/4 W.M. - 1/2 G.M. for all ø

/ IT

EDILIZIA / PUNTE MURO - GRANITO - MARMO / DIN 8039 PUN PERC

/ EN

BUILDING / MASONRY DRILLS - GRANITE - MARBLE / DIN 8039 PUN PERC

/ FR

BATIMENT FORETS BÉTON - GRANIT - MARBRE / DIN 8039 PUN PERC

Confezione singola
Single package
Emballage un pièce

PUNTE ELICOIDALI A PERCUSSIONE PROFESSIONALI

- DIN 8039 / ISO5468
- **Use:** granito, cemento, pietra, muro

Ø mm	cod.	LA
3	PUNPERC03.0	70
4	PUNPERC04.0	75
5	PUNPERC05.0	85
5,50	PUNPERC05.5	85
6	PUNPERC06.0	100
6,50	PUNPERC06.5	100
7	PUNPERC07.0	100
8	PUNPERC08.0	120
9	PUNPERC09.0	120
10	PUNPERC10.0	120
11	PUNPERC11.0	150
12	PUNPERC12.0	150
13	PUNPERC13.0	150
14	PUNPERC14.0	150
15	PUNPERC15.0	150
16	PUNPERC16.0	150
18	PUNPERC18.0	160
20	PUNPERC20.0	160
22	PUNPERC22.0	160
25	PUNPERC25.0	160

PROFESSIONAL MULTI MATERIAL MASONRY DRILLS

- DIN 8039 / ISO5468
- **Use:** granite, concrete, stone, wall

cod.	LB
PUNPERC06X150	150
PUNPERC08.0X200	200
PUNPERC10.0X200	200
PUNPERC12.0X200	200

FORETS ELICOIDEAUX MULTI-MATERIAUX À PERCUSSION PROFESSIONNELLS

- DIN 8039/ ISO5468
- **Utilisation:** brique, granite, ciment, mur, pierre

cod.	LC
PUNPERC06.0X400	400
PUNPERC08.0X400	400
PUNPERC10.0X400	400
PUNPERC12.0X400	400
PUNPERC14.0X400	400
PUNPERC16.0X400	400
PUNPERC18.0X400	400
PUNPERC20.0X400	400
PUNPERC22.0X400	400
PUNPERC25.0X400	400

/ IT

EDILIZIA / PUNTE ELICOIDALI
/ PREMIUM - PREMIUM C

/ EN

BUILDING / MASONRY DRILLS / PREMIUM
- PREMIUM C

/ FR

BATIMENT / FORETS HÉLICOÏDEAUX /
PREMIUM - PREMIUM C**PUNTE ELICOIDALI M.D. A ROTAZIONE MULTIMATERIALI SUPERPROFESSIONALI**

Speciale geometria di taglio, rettificata, profilo a L - affilatura della placchetta al diamante - Codolo cilindrico

- **Usò:** solo ROTAZIONE PER TURBOVITI
- **PREMIUM:** per muro – granito – acciai – plastica – piastrelle – gres porcellanato
- **PREMIUM C:** per acciai – alluminio – muro – granito – plastica – piastrelle – gres porcellanato

CARBIDE TIPPED SUPER PRO MULTI-MATERIALS DRILLS

Made in Italy by Martin with a special fluting and hard carbide tip (1600 HRV)

- **Use:** only ROTATION – FOR TURBO SCREWS
- **PREMIUM:** for brick – concrete – plastique – granite – porcelain gres
- **PREMIUM C:** for steel – aluminium – brick – concrete – plastique – granite – porcelain gres

FORETS MÉTAUX À PLAQUETTE CARBURE

Fabriqué en Italie par Martin, avec un spécial géométrie de coupe et affutage diamant de la plaquette

- **Utilisation:** seulement à ROTATION pour VIS AUTOTARADEUSES
- **PREMIUM:** multi-matériaux pour cloisons sèches – granite – acier – carrelage – grés céramique
- **PREMIUM C:** pour acier – aluminium – armatures de fer – granite – carrelage – grés céramique

Ø mm	L.	cod.
4	75	PUNPREM04X075
5	85	PUNPREM05X085
5	100	PUNPREM05X100
5	200	
6	100	PUNPREM06X100
6	150	PUNPREM06X150
6	200	
6	250	
7	100	PUNPREM07X100
8	120	PUNPREM08X120
8	200	PUNPREM08X200
8	300	
9	120	PUNPREM09X120
10	120	PUNPREM10X120
10	200	PUNPREM10X200
10	300	
12	150	PUNPREM12X150
12	200	PUNPREM12X200
14	200	PUNPREM14X200

cod.
PUNPREMC04X075
PUNPREMC05X085
PUNPREMC05X100
PUNPREMC05X200
PUNPREMC06X100
PUNPREMC06X150
PUNPREMC06X200
PUNPREMC06X250
PUNPREMC07X100
PUNPREMC08X120
PUNPREMC08X200
PUNPREMC08X300
PUNPREMC09X120
PUNPREMC10X120
PUNPREMC10X200
PUNPREMC10X300
PUNPREMC12X150
PUNPREMC12X200
PUNPREMC14X200

cod. **PUNPREM****ESPOSITORI****DISPLAY****PRESENTOIRS**cod. **PUNPREMESP056****PUNTE PREMIUM** 56 pcs

12-6x100, 12-8x120, 12-9x120, 10-10x120, 10-10x200

cod. **PUNPREMCESP056****PUNTE PREMIUM C** 56 pcs

12-6x100, 12-8x120, 12-9x120, 10-10x120, 10-10x200

/ IT

EDILIZIA / PUNTE MURO - GRANITO -
MARMO

/ EN

BUILDING / MASONRY DRILLS - GRANITE -
MARBLE

/ FR

BATIMENT / FORETS BÉTON - GRANIT -
MARBRE**PUNTE ELICOIDALI PER GRES PORCELLANATO
fino a durezza PEI 5**

- Placchetta in H.M. a taglienti asimmetrici
- Durezza di 1650 HVA.
- Particolare geometria di taglio che la rende più efficiente su materiali duri e abrasivi.

CERAMIC TWIST DRILLS until hardness PEI 5

- Use: only ROTATION
- Rotative Drill with carbide tip with asymmetric fluting and 1650HVS hardness.
- To be used for very hard and abrasive material

**FORETS HELICOIDEAUX POUR GRÉS jusqu'à
dureté PEI 5**

- Utilisation: seulement ROTATION
- Foret à rotation avec plaquette en carbure à coupe asymétrique et dureté 1650 HVA
- Ils sont particulièrement adaptés pour matériaux très dur et fortement abrasif et grés PEI 5.

cod.	Ø mm	L.
PGRS04	4	75
PGRS05	5	85
PGRS06	6	100
PGRS07	7	120
PGRS08	8	120
PGRS09	9	120
PGRS10	10	120
PGRS12	12	150
PGRS13	13	150

/ IT

EDILIZIA / PUNTE PER VETRO H.M. /
PUNVETRO

/ EN

BUILDING / H.M GLASS DRILLS /
PUNVETRO

/ FR

BATIMENT / FORETS CARBURE POUR
VERRE / PUNVETROMade in Germany / **PUNTE ELICOIDALI PER VETRO M.D.****GLASS DRILLS H.M.****GLASS DRILLS H.M.**

cod.	Ø mm	L.
PUNVETRO.03	3	65
PUNVETRO.04	4	65
PUNVETRO.05	5	65
PUNVETRO.06	6	65
PUNVETRO.07	7	70
PUNVETRO.08	8	70
PUNVETRO.09	9	70
PUNVETRO.10	10	80
PUNVETRO.12	12	80
PUNVETRO.13	13	80

Confezione singola
Single package
Emballage un pièce

cod. SDS PLUS

/ IT
EDILIZIA / PUNTE MARTELLI / SDS PLUS/ EN
BUILDING / HAMMER DRILLS / SDS PLUS/ FR
BATIMENT / POUR MARTEAUX / SDS PLUS

PUNTE ELICOIDALI PER MARTELLI SDS PLUS

- Per fori superiori a 300 mm raccomandiamo il preforo di 150 mm con lo stesso diametro

SDS PLUS HAMMER DRILLS

- For holes exceeding 300 mm, we recommend a pre-hole of 150 mm of the same diameter

FORETS BÉTON SDS PLUS

- Pour les trous excédant 300 mm, nous recommandons un pré-trou de 150 mm de même diamètre

cod.	Ø mm	L2	L1
SDSPL04050110	4	50	110
SDSPL04100160	4	100	160
SDSPL05050110	5	50	110
SDSPL05100160	5	100	160
SDSPL05150210	5	150	210
SDSPL05.5050110	5,50	50	110
SDSPL05.5100160	5,50	100	160
SDSPL06050110	6	50	110
SDSPL06100160	6	100	160
SDSPL06150200	6	150	200
SDSPL06200250	6	200	250
SDSPL06.5050110	6,50	50	110
SDSPL06.5100160	6,50	100	160
SDSPL06.5200260	6,50	200	260
SDSPL07050110	7	50	110
SDSPL07100160	7	100	160
SDSPL08050110	8	50	110
SDSPL08100160	8	100	160
SDSPL08150210	8	150	210
SDSPL08200250	8	200	250
SDSPL08250310	8	250	310
SDSPL08400450	8	400	450
SDSPL09100160	9	100	160
SDSPL1050110	10	50	110
SDSPL10100160	10	100	160
SDSPL10150210	10	150	210

SDSPL10200260	10	200	260
SDSPL10250310	10	250	310
SDSPL10400460	10	400	460
SDSPL10550600	10	550	600
SDSPL109501000	10	950	1000
SDSPL11100160	11	100	160
SDSPL12100160	12	100	160
SDSPL12150210	12	150	210
SDSPL12200250	12	200	250
SDSPL12250300	12	250	300
SDSPL12400450	12	400	450
SDSPL12550600	12	550	600
SDSPL129501000	12	950	1000
SDSPL13100150	13	100	150
SDSPL13200250	13	200	250
SDSPL13250300	13	250	300
SDSPL14100150	14	100	150
SDSPL14150200	14	150	200
SDSPL14200250	14	200	250
SDSPL14250300	14	250	300
SDSPL14400450	14	400	450
SDSPL14550600	14	550	600
SDSPL149501000	14	950	1000
SDSPL15100150	15	100	150
SDSPL15200250	15	200	250
SDSPL16150200	16	150	200
SDSPL16200250	16	200	250
SDSPL16250300	16	250	300
SDSPL16400450	16	400	450
SDSPL16550600	16	550	600
SDSPL16750800	16	750	800
SDSPL169501000	16	950	1000
SDSPL18150200	18	150	200
SDSPL18200250	18	200	250
SDSPL18250300	18	250	300
SDSPL18400450	18	400	450
SDSPL18550600	18	550	600
SDSPL189501000	18	950	1000
SDSPL20150200	20	150	200
SDSPL20250300	20	250	300
SDSPL20400450	20	400	450
SDSPL20550600	20	550	600
SDSPL209501000	20	950	1000
SDSPL22200250	22	200	250
SDSPL22400450	22	400	450
SDSPL22550600	22	550	600
SDSPL229501000	22	950	1000
SDSPL24200250	24	200	250
SDSPL24400450	24	400	450
SDSPL25200250	25	200	250
SDSPL25400450	25	400	450
SDSPL26200250	26	200	250
SDSPL26400450	26	400	450

cod. **SDS PLUS**

ESPOSITORI

DISPLAY

PRESENTOIRS

cod. **SDSPLSET07**

PUNTE SDS PLUS 7 pcs

ø 5-6-8x110 ø 6-8-10-12x160

/ IT
EDILIZIA / PUNTE MARTELLI SDS PLUS /
SDS 4 S

/ EN
BUILDING / SDS PLUS HAMMER DRILLS /
SDS 4 S

/ FR
BATIMENT / FORETS SDS PLUS POUR
MARTEAUX / SDS 4 S



PUNTE ELICOIDALI PER MARTELLI SDS PLUS 4S

- Punte elicoidali con corpo a 4 Spirali che permette un maggior avanzamento e un miglior scarico detriti
- **HVA= 1680**
- **Utilizzo:** professionale su muro, cemento, cemento armato, taglia anche il tondino di ferro
- Per fori superiori a 300 mm raccomandiamo il preforo di 150 mm con lo stesso diametro

SDS PLUS HAMMER DRILLS

- 4 spiral flutes hammer drills for a better feed and rubble evacuation
- **HVA=1680**
- **Professional** use on brick, concrete, steel
- For holes exceeding 300 mm, we recommend a pre-hole of 150 mm of the same diameter

FORETS MARTEAUX SDE PLUS

- Forets à 4 spirales que permet un bon avancement et un meilleur déchargement des débris
- **HVA=1680**
- **Utilisation** professionnelle sur brique, ciment, acier, béton armé
- Pour les trous excédant 300 mm, nous recommandons un pré-trou de 150 mm de même diamètre

cod.	Ø mm	L2	L1
SDS4S04X050X110	4	50	110
SDS4S04X100X160	4	100	160
SDS4S05X050X110	5	50	110
SDS4S05X100X160	5	100	160
SDS4S05X150X210	5	150	210
SDS4S05X250X310	5	250	310
SDS4S05.5X50X110	5.5	50	110
SDS4S05.5X100X160	5.5	100	160
SDS4S05.5X150X210	5.5	150	210
SDS4S05.5X200X260	5.5	200	260
SDS4S05.5X250X310	5.5	250	310
SDS4S05.5X400X460	5.5	400	460
SDS4S06X050X110	6	50	110
SDS4S06X100X160	6	100	160
SDS4S06X150X210	6	150	210
SDS4S06X200X260	6	200	260
SDS4S06X400X460	6	400	460
SDS4S06.5X050X110	6.5	50	110
SDS4S06.5X100X160	6.5	100	160
SDS4S06.5X150X210	6.5	150	210
SDS4S06.5X200X260	6.5	200	260
SDS4S06.5X250X310	6.5	250	310

cod.	Ø mm	L2	L1
SDS4S07X050X110	7	50	110
SDS4S07X100X160	7	100	160
SDS4S07X150X210	7	150	210
SDS4S08X050X110	8	50	110
SDS4S08X100X160	8	100	160
SDS4S08X150X210	8	150	210
SDS4S08X200X260	8	200	260
SDS4S08X250X310	8	250	310
SDS4S08X350X410	8	350	410
SDS4S08X400X460	8	400	460
SDS4S08X550X610	8	550	610
SDS4S09X100X160	9	100	160
SDS4S09X150X210	9	150	210
SDS4S10X050X110	10	50	110
SDS4S10X100X160	10	100	160
SDS4S10X150X210	10	150	210
SDS4S10X200X260	10	200	260
SDS4S10X250X310	10	250	310
SDS4S10X300X360	10	300	360
SDS4S10X400X460	10	400	460
SDS4S10X550X610	10	550	610
SDS4S10X950X1000	10	950	1000
SDS4S11X100X160	11	100	160
SDS4S11X150X210	11	150	210
SDS4S11X200X260	11	200	260
SDS4S11X250X310	11	250	310
SDS4S12X100X160	12	100	160
SDS4S12X150X210	12	150	210
SDS4S12X200X260	12	200	260
SDS4S12X250X310	12	250	310
SDS4S12X300X360	12	300	360
SDS4S12X400X460	12	400	460
SDS4S12X550X610	12	550	610
SDS4S12X950X1000	12	950	1000
SDS4S13X100X160	13	100	160
SDS4S13X150X210	13	150	210
SDS4S13X200X260	13	200	260
SDS4S13X250X310	13	250	310
SDS4S13X400X460	13	400	460
SDS4S14X100X160	14	100	160
SDS4S14X150X210	14	150	210
SDS4S14X200X260	14	200	260
SDS4S14X250X310	14	250	310
SDS4S14X400X460	14	400	460
SDS4S14X550X610	14	550	610
SDS4S14X950X1000	14	950	1000
SDS4S15X100X160	15	100	160
SDS4S15X150X210	15	150	210
SDS4S15X200X260	15	200	260
SDS4S15X400X460	15	400	460
SDS4S16X100X160	16	100	160
SDS4S16X150X210	16	150	210
SDS4S16X200X260	16	200	260

cod.	Ø mm	L2	L1
SDS4S16X250X310	16	250	310
SDS4S16X400X460	16	400	460
SDS4S16X750X800	16	550	610
SDS4S16X750X800	16	750	800
SDS4S16X950X1000	16	950	1000
SDS4S18X150X200	18	150	200
SDS4S18X200X250	18	200	250
SDS4S18X250X300	18	250	300
SDS4S18X450X400	18	450	400
SDS4S18X550X600	18	550	600
SDS4S18X950X1000	18	950	1000
SDS4S20X150X200	20	150	200
SDS4S20X250X300	20	250	300
SDS4S20X400X450	20	400	450
SDS4S20X550X610	20	550	610
SDS4S20X950X1000	20	950	1000
SDS4S22X200X250	22	200	250
SDS4S22X250X300	22	250	300
SDS4S22X400X450	22	400	450
SDS4S22X550X600	22	550	600
SDS4S22X950X1000	22	950	1000
SDS4S24X200X250	24	200	250
SDS4S24X400X450	24	400	450
SDS4S25X200X250	25	200	250
SDS4S25X250X300	25	250	300
SDS4S25X400X450	25	400	450
SDS4S25X950X1000	25	950	1000
SDS4S26X200X250	26	200	250
SDS4S26X400X450	26	400	450
SDS4S28X400X450	28	400	450
SDS4S30X400X450	30	400	450

/ IT

EDILIZIA / PUNTE MARTELLI / SDS PLUS 4T

/ EN

BUILDING / HAMMER DRILLS / SDS PLUS
4T

/ FR

BATIMENT / POUR MARTEAUX / SDS PLUS
4T**PUNTE ELIOIDALI PER MARTELLI SDS PLUS 4T**

- Punte elicoidali SDS PLUS a 4 TAGLIENTI a croce
- Per fori superiori a 300 mm raccomandiamo il preforo di 150 mm con lo stesso diametro

SDS PLUS 4T HAMMER DRILLS

- 4 cross spiral flutes
- For holes exceeding 300 mm, we recommend a pre-hole of 150 mm of the same diameter

FORETS MARTEAUX 4T SDS PLUS

- Foret à 4 taillantes pour marteaux
- Pour les trous excédant 300 mm, nous recommandons un pré-trou de 150 mm de même diamètre

cod.	Ø mm	L2	L1
SDSPL4T06X110	6	50	110
SDSPL4T06X160	6	100	160
SDSPL4T06X210	6	150	210
SDSPL4T06X260	6	200	260
SDSPL4T08X110	8	50	210
SDSPL4T08X160	8	100	160
SDSPL4T08X210	8	150	210
SDSPL4T08X260	8	200	260
SDSPL4T10X110	10	50	110
SDSPL4T10X160	10	100	160
SDSPL4T10X210	10	150	210
SDSPL4T10X260	10	200	260
SDSPL4T10X450	10	400	450
SDSPL4T12X160	12	100	160
SDSPL4T12X210	12	150	210
SDSPL4T12X260	12	200	260
SDSPL4T12X450	12	400	450
SDSPL4T14X160	14	100	160
SDSPL4T14X210	14	150	210
SDSPL4T14X260	14	200	260
SDSPL4T14X450	14	400	450
SDSPL4T16X160	16	100	160
SDSPL4T16X210	16	150	210
SDSPL4T16X260	16	200	260
SDSPL4T16X450	16	400	450
SDSPL4T18X210	18	150	210

cod.	Ø mm	L2	L1
SDSPL4T06X110	6	50	110
SDSPL4T06X160	6	100	160
SDSPL4T06X210	6	150	210
SDSPL4T06X260	6	200	260
SDSPL4T08X110	8	50	210
SDSPL4T08X160	8	100	160
SDSPL4T08X210	8	150	210
SDSPL4T08X260	8	200	260
SDSPL4T10X110	10	50	110
SDSPL4T10X160	10	100	160
SDSPL4T10X210	10	150	210
SDSPL4T10X260	10	200	260
SDSPL4T10X450	10	400	450
SDSPL4T12X160	12	100	160
SDSPL4T12X210	12	150	210
SDSPL4T12X260	12	200	260
SDSPL4T12X450	12	400	450
SDSPL4T14X160	14	100	160
SDSPL4T14X210	14	150	210
SDSPL4T14X260	14	200	260
SDSPL4T14X450	14	400	450
SDSPL4T16X160	16	100	160
SDSPL4T16X210	16	150	210
SDSPL4T16X260	16	200	260
SDSPL4T16X450	16	400	450
SDSPL4T18X210	18	150	210
SDSPL4T18X260	18	200	260
SDSPL4T18X310	18	250	310
SDSPL4T18X450	18	400	450
SDSPL4T20X210	20	150	210
SDSPL4T20X260	20	200	260
SDSPL4T20X310	20	250	310
SDSPL4T20X450	20	400	450
SDSPL4T22X260	22	200	260
SDSPL4T22X310	22	250	310
SDSPL4T22X450	22	400	450
SDSPL4T24X260	24	200	260
SDSPL4T24X450	24	400	450
SDSPL4T25X260	25	200	260
SDSPL4T25X310	25	310	400
SDSPL4T25X450	25	400	450

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. SDSPL4T105

PUNTE SDS PLUS 4T 105 pcs

n.10 6x160, n.10 6x210, 8pz 8x160, n.8 8x210, 8pz 10x160, 8pz 10x210, 5pz 12x160, 5pz 12x210, 8pz 6x260, 5pz 8x260, 5pz 10x260, 5pz 12x260, 5pz 14x260, 5pz 16x260, 5pz 18x310, 5pz 20x310

/ IT
EDILIZIA / PUNTE MARTELLI MAX / SDS
MAX

/ EN
BUILDING / MAX HAMMER DRILLS / SDS
MAX

/ FR
BATIMENT / MAX POUR MARTEAUX / SDS
MAX



PUNTE ELIODALI PER MARTELLI SDS MAX

- Dal diametro **16 mm** in poi 4 taglianti a Y

SDS MAX HAMMER DRILLS

- 4 tips from diam **16 mm**
- Center point for easy star up

FORETS MARTEAUX SDS MAX

- A 4 tailles à Y à partir du diam **16 mm**

cod.	Ø mm	L2	L1
SDSMX12200340	12	200	340
SDSMX12400540	12	400	540
SDSMX12550690	12	550	690
SDSMX14200340	14	200	340
SDSMX14400540	14	400	540
SDSMX15200340	15	200	340
SDSMX15400540	15	400	540
SDSMX16200340	16	200	340
SDSMX16400540	16	400	540
SDSMX18200340	18	200	340
SDSMX18400540	18	400	540
SDSMX18800940	18	800	940
SDSMX20200320	20	200	320
SDSMX20400520	20	400	520
SDSMX20800920	20	800	920
SDSMX22200320	22	200	320
SDSMX22400520	22	400	520
SDSMX22800920	22	800	920
SDSMX24200320	24	200	320
SDSMX24400520	24	400	520
SDSMX25200320	25	200	320
SDSMX25400520	25	400	520
SDSMX25800920	25	800	920
SDSMX2512001320	25	1200	1320
SDSMX28200370	28	200	370
SDSMX28400570	28	400	570

cod.	Ø mm	L2	L1
SDSMX28550670	28	550	670
SDSMX30250370	30	250	370
SDSMX30450570	30	450	570
SDSMX32250370	32	250	370
SDSMX32450570	32	450	570
SDSMX32800920	32	800	920
SDSMX3212001320	32	1200	1320
SDSMX35250370	35	250	370
SDSMX35450570	35	450	570
SDSMX35550670	35	550	670
SDSMX38250370	38	250	370
SDSMX38450570	38	450	570
SDSMX40250370	40	250	370
SDSMX40450570	40	450	570
SDSMX40800920	40	800	920
SDSMX4012001320	40	1200	1320
SDSMX45450570	45	450	570
SDSMX50450570	50	450	570

/ IT
EDILIZIA / PUNTE MARTELLI MAX / SDS
MAX 4T

/ EN
BUILDING / MAX HAMMER DRILLS / SDS
MAX 4T

/ FR
BATIMENT / MAX POUR MARTEAUX / SDS
MAX 4T



PUNTE ELICOIDALI PER MARTELLI SDS MAX 4
TAGLIENTI

4 CUTTING EDGES SDS MAX HAMMER DRILLS

FORETS MARTEAUX SDS MAX À 4 TAILLES

cod.	Ø mm	L2	L1
SDSMX123404T	12	200	340
SDSMX125404T	12	400	540
SDSMX143404T	14	200	340
SDSMX145404T	14	400	540
SDSMX163404T	16	200	340
SDSMX165404T	16	400	540
SDSMX183404T	18	200	340
SDSMX185404T	18	400	540
SDSMX203404T	20	200	320
SDSMX205404T	20	400	520
SDSMX223404T	22	200	320
SDSMX225404T	22	400	520
SDSMX243404T	24	200	320
SDSMX253204T	25	200	320
SDSMX255404T	25	400	520
SDSMX283704T	28	200	370
SDSMX285704T	28	400	570
SDSMX303704T	30	250	370
SDSMX305704T	30	450	570
SDSMX323704T	32	250	370
SDSMX325704T	32	450	570
SDSMX355704T	35	450	570
SDSMX385704T	38	450	570
SDSMX405704T	40	450	570



**LEGNO
WOOD
BOIS**

/ IT

LEGNO / SEGHE A TAZZA PER LEGNO /
MADERA PLUS

/ EN

WOOD / WOOD HOLE SAWS / MADERA
PLUS

/ FR

BOIS / TRÉPANS POUR LE BOIS / MADERA
PLUS**SEGHE A TAZZA H.M. PER FORI PROFONDI**

- **Uso:** legno – vetroresina – materie plastiche – cartongesso
- Denti in H.M. rettificati
- Profondità foratura mm 60 con elevata velocità
- Grande scarico laterale dei trucioli
- Lunga durata anche sui materiali più abrasivi

TUNGSTEN CARBIDE HOLE SAWS FOR DEEP HOLES

- **Use:** wood – fiberglass – plastic – carton wood
- H.M. teeth
- Drilling depth mm 60 and high drilling speed
- Excellent lateral chips discharge
- Long tool life also on the most abrasive materials

TRÉPANS POUR TROUS PROFONDS

- **Utilisation:** bois – verre résine – plastique – plaque de plâtre
- Dents en carbure
- Profondeur de coupe : 30 mm - haute vitesse
- Haute performance de perçage grâce à le dégagement de dents
- Outils à long duré de vie sur les bois difficiles à usiner

cod.	Ø mm	denti teeth dents	filetto thread fillet
MDP022000	22	2	M12
MDP025000	25	2	M12
MDP027000	27	2	M12
MDP030000	30	2	M12
MDP032000	32	2	M12
MDP035000	35	3	M16
MDP038000	38	3	M16
MDP040000	40	3	M16
MDP043000	43	3	M16
MDP045000	45	3	M16
MDP048000	48	3	M16
MDP050000	50	3	M16
MDP053000	53	4	M16
MDP054000	54	4	M16
MDP055000	55	4	M16
MDP060000	60	4	M16
MDP062000	62	4	M16
MDP065000	65	4	M16
MDP068000	68	4	M16
MDP070000	70	4	M16
MDP075000	75	5	M16

MDP080000	80	5	M16
MDP085000	85	5	M16
MDP090000	90	5	M16
MDP093000	93	5	M16
MDP095000	95	5	M16
MDP100000	100	5	M16
MDP110000	110	5	M16
MDP125000	125	5	M16
MDP127000	127	5	M16
MDP130000	130	5	M16

VELOCITÀ CONSIGLIATE - RPM

RECOMMENDED SPEED - RPM

VITESSE RECOMMENDEE - RPM

Ø mm	legno wood bois	plastica plastic plastique
22-27	2800	2800
30-38	2300	2300
40-50	1800	1800
55-60	1500	1500
80	1000	1000
100	700	700

ACCESSORI

SPARE PARTS

ACCESSOIRES



cod. MDPALB010

albero / shank / queue

10 mm M12x1,25 + PUN101



cod. MDPALB012

albero / shank / queue

12 mm M16x1,25 + PUN101



cod. PUN101

punta pilota + molla / center drill + spring / foret + ressort

6,25x101 mm

/ IT

LEGNO / PUNTE ELICOIDALI PER LEGNO /
PUNEL W

/ EN

WOOD / WOOD WORKING DRILLS / PUNEL
W

/ FR

BOIS / FORETS HÉLICOÏDEAUX À BOIS /
PUNEL W



PUNTE ELICOIDALI PER LEGNO - STANDARD

WOODWORKING DRILLS - STANDARD

FORETS HÉLICOÏDEAUX À BOIS - STANDARD



cod.	Ø mm	L 1	L 2	S
PUNELW03	3	61	33	3
PUNELW04	4	75	43	4
PUNELW05	5	86	52	5
PUNELW06	6	93	57	6
PUNELW07	7	104	69	7
PUNELW08	8	114	75	8
PUNELW09	9	122	81	9
PUNELW10	10	127	87	10
PUNELW11	11	142	94	10
PUNELW12	12	151	101	10
PUNELW13	13	151	101	10
PUNELW14	14	160	108	10
PUNELW15	15	169	114	10
PUNELW16	16	178	120	10
PUNELW18	18	191	130	10
PUNELW20	20	205	130	10
PUNELW22	22	210	140	13
PUNELW24	24	210	140	13
PUNELW26	26	220	140	13
PUNELW28	28	220	140	13
PUNELW30	30	220	140	13

ESPOSITORI

DISPLAY

PRESENTOIRS



cod. PUNELBOX05

BOX n. 5 PUNELW

ø 4 - 5 - 6 - 8 - 10 mm



cod. PUNELBOX08

BOX n. 8 PUNELW

ø 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 mm

/ IT

LEGNO / PUNTE ELICOIDALI PER LEGNO /
PUNEL WL

/ EN

WOOD / WOOD WORKING DRILLS / **PUNEL**
WL

/ FR

BOIS / FORETS HÉLICOIDEAUX À BOIS /
PUNEL WL



PUNTE ELICOIDALI PER LEGNO - STANDARD

WOODWORKING DRILLS - STANDARD

FORETS HÉLICOIDEAUX À BOIS - STANDARD

cod.	Ø mm	L 1
PUNELWL06.0	6	315
PUNELWL08.0	8	315
PUNELWL08.0x450	8	450
PUNELWL10.0	10	315
PUNELWL10.0x450	10	450
PUNELWL12.0	12	315
PUNELWL12.0x450	12	450
PUNELWL14.0	14	315
PUNELWL14.0x450	14	450
PUNELWL16.0	16	315
PUNELWL16.0x450	16	450
PUNELWL18.0	8	335
PUNELWL18.0x450	18	450
PUNELWL20.0	20	335
PUNELWL20.0x450	20	450
PUNELWL22.0	22	335
PUNELWL22.0x450	22	450
PUNELWL24.0	24	335
PUNELWL24.0x450	24	450

/ IT
UTENSILERIA / PUNTE ELICOIDALI PER
LEGNO / PUNLEWIS - PUNLEWISXL

/ EN
TOOLING / WOODWORKING DRILLS /
PUNLEWIS - PUNLEWISXL

/ FR
OUTILLAGE / FORETS HÉLICOÏDEAUX À
BOIS / PUNLEWIS - PUNLEWISXL



PUNTE ELICOIDALI PER LEGNO - LEWIS

- Per foratura profonda: travi, traversine ecc.
- LEWIS standard - cod. **PUNLEWIS**
- LEWIS lunghe codolo esagonale - cod. **PUNLEWISXL**

WOODWORKING DRILLS- LEWIS

- For deep drilling: beams, railway sleepers ecc.
- LEWIS standard - cod. **PUNLEWIS**
- LEWIS long hexagonal shank - cod. **PUNLEWISXL**

FORETS HÉLICOÏDEAUX À BOIS - LEWIS

- Pour forage profond : poutre, traverses de chemin de fer ecc.
- LEWIS standard - cod. **PUNLEWIS**
- LEWIS longue hexagonal emboute- cod. **PUNLEWISXL**

Ø mm	S	cod.	L 1	L 2
8	8	PUNLEWIS08.0	300	220
10	10	PUNLEWIS10.0	300	220
12	10	PUNLEWIS12.0	300	220
14	10	PUNLEWIS14.0	300	220
15	10	PUNLEWIS15.0	300	220
16	10	PUNLEWIS16.0	300	220
18	13	PUNLEWIS18.0	300	220
20	13	PUNLEWIS20.0	300	220
22	13	PUNLEWIS22.0	300	220
24	13	PUNLEWIS24.0	300	220
25	13	PUNLEWIS25.0	300	220
26	13	PUNLEWIS26.0	300	220
28	13	PUNLEWIS28.0	300	220
30	13	PUNLEWIS30.0	300	220

cod.	L 2
PUNLEWISXL08.0	600
PUNLEWISXL10.0	600
PUNLEWISXL12.0	600
PUNLEWISXL14.0	600
PUNLEWISXL16.0	600
PUNLEWISXL18.0	600
PUNLEWISXL20.0	600
PUNLEWISXL22.0	600
PUNLEWISXL24.0	600
PUNLEWISXL26.0	600
PUNLEWISXL28.0	600
PUNLEWISXL30.0	600

/ IT

ESPOSITORE MULTIPLO / ESPOSITORI
MULTIPLI / **VETRINA 4/6**

/ EN

DISPLAY / DISPLAY MANY PRODUCTS /
VETRINA 4/6

/ FR

PRÉSENTOIRS / PRÉSENTOIRS MULTIPLE /
VETRINA 4/6



ESPOSITORE DA BANCO PRODOTTI MARTIN

- In cristallo temperato con ingombro contenuto
- 3 ripiani in plexiglass – sportello con chiusura
- Dimensioni: cm 40x25 altezza cm 60
- Composizione prodotti a scelta del cliente

BENCH DISPLAY MARTIN PRODUCTS

- Safety glass – Compact dimensions
- Three plexiglass shelves- Locked door
- Dimensions: 40x25 cm height 60 cm
- Product's free choice composition

PRÉSENTOIR DE BANC PRODUITS MARTIN

- Verre de sécurité trempé et dimension compacte
- Trois étages en plexiglass - Fermeture de sécurité
- Dimensions: 40x25 cm hauteur 60 cm
- Composition des produits à choix

/ IT

ESPOSITORE MULTIPLO / ESPOSITORI
MULTIPLI / **VETRINA ID 74**

/ EN

DISPLAY / DISPLAY MANY PRODUCTS /
VETRINA ID 74

/ FR

PRÉSENTOIRS / PRÉSENTOIRS MULTIPLE /
VETRINA ID 74



ELEGANTE VETRINA ESPOSITIVA PRODOTTI MARTIN

- In cristallo temperato con struttura in alluminio anodizzato
- 4 ripiani in plexiglass - Illuminazione a richiesta
- Sportello e ante per magazzino con chiusura
- Dimensioni: cm 78x42 altezza cm 170
- Composizione prodotti a scelta del cliente

ELEGANT SHOW CASE FOR MARTIN PRODUCTS EXHIBITION

- Safety glass with anodized aluminium structure
- 4 plexiglass shelves - interior lighting on demand
- Door and store's stock with lock
- Dimensions: cm 78x42 height cm 170
- Composition products choice is free

ÉLÉGANT VITRINE EXPO POUR PRÉSENTATION DES OUTIL COUPANT MARTIN

- 4 étages en plexiglass - éclairage sur demand
- Fermeture de sécurité sur la porte et dépôt produits
- Dimensions: cm 78x42 hauteur cm 170
- Composition des produits à choix



/ IT

/ CONDIZIONI GENERALI DI VENDITA

PREZZI / I prezzi sono quelli indicati nel listino e potranno essere modificati senza obbligo di comunicazione. Si consiglia di verificare sempre che il listino a proprie mani non abbia subito variazioni. Il catalogo è scaricabile sul nostro sito.

MINIMO FATTURABILE / 250 € + IVA. Per spedizioni richieste sotto il minimo di fatturazione verrà applicato lo sconto base del 50%

IMBALLO / Compreso

CONSEGNA / La merce si intende sempre venduta FRANCO nostro magazzino e viaggio a rischio e pericolo del committente

TABELLA ADDEBITI TRASPORTO /

da kg. 0 a kg.10 addebito 11 € - Isole e Calabria 13 €

da kg.11 a kg.30 addebito 16 € (per tutta Italia)

da kg.31 a kg.50 addebito 17 € - Isole e Calabria 20 €

RESA /

PORTO ASSEGNATO per tutte le spedizioni

PORTO FRANCO **esclusivamente per forniture superiori a 1000 € + IVA**

Le spedizioni di importo inferiore verranno effettuate in PORTO FRANCO CON ADDEBITO IN FATTURA indipendentemente dalle condizioni contrattuali abituali

GARANZIA / Copre i difetti di fabbricazione

La garanzia non copre le manomissioni o l'errato impiego. Gli utensili devono essere utilizzati secondo le specifiche di utilizzo sui materiali e di velocità consigliate

RECLAMI / I reclami per errori di spedizione o materiale difettoso dovranno pervenire per iscritto entro 8 giorni dalla data di spedizione

RESI / **Non si accettano resi non autorizzati dalla casa madre.** Dovranno avvenire esclusivamente tramite corriere del committente in Porto Franco

PAGAMENTI / Nel caso di ritardato pagamento, verranno conteggiati gli interessi dalla scadenza ed eventuali costi bancari e di recupero



/ EN

/ GENERAL SALES CONDITIONS

PRICES / Prices are those indicated in the price list and can be modified without obligation of communication.

MINIMUM ORDER / 250 € net. For orders under the required minimum will be applied the basic discount

PACKAGING / Included

DELIVERY / FOB Martin warehouse

WARRANTY / for manufacturing defect if correctly used according to the specifications of use on the recommended materials and speeds
The warranty does not cover incorrect use

COMPLAINTS / Shipping errors or defective material must be notified in writing within 8 days from the date of shipment

RETURNS / Return are not accepted without authorization of the manufacturer and must be made free of charge

PAYMENT / In the case of payment delayed, interests will be calculated from the expiration and any bank charges will be debited.



/ FR

/ CONDITIONS GENERALES DE VENTE

CONDITIONS GÉNÉRALES / Les marchandises sont expédiées d'Italie.

Nous conservons l'entière propriété des marchandises jusqu'à complet paiement du prix facturé (loi n°80333 du 12 Mai 1980). De convention express et sauf report sollicité à temps et accordé par nous, le défaut de paiement de nos fournitures à l'échéance fixée entrainera l'exigibilité immédiate de toutes les sommes restant dues quel que soit le mode de règlement prévu.

Cette clause déclenche la suspension d'exécution des commandes.

Ces sommes porteront intérêt de plein droit et sont mises en demeure, au taux des avances de la BANQUE D'ITALIE, majorée de 0,5% par mois de retard sans que cette clause nuise à l'exigibilité de la dette.

PRIX / Nos prix s'entendent pour les marchandises à notre dépôt net H.T.

Le port FRANCO ne pourra être accepté que par nous, pour toutes expéditions égales ou supérieures à un montant H.T. de 300€ net.

Les frais d'envoi en express ou plus généralement par tous moyens accélérés sont à la charge du client.

GARANTIE / La marchandises voyagent toujours aux risques et périls du destinataire, même en cas d'envoi franco. Le destinataire devra contrôler à l'arrivée le nombre de colis, leur aspect extérieur et il lui appartiendra de faire éventuellement des réserves sur le bon de livraison du transporteur.

Nous n'établissons pas de bon de livraisons d'un montant inférieur à 250 € net H.T. valeur marchandises: Toutes les livraisons dont le montant net H.T. sera inférieur à cette somme, subiront une majoration forfaitaire de 10€, sans avis préalable.

Martin s.r.l. se réserve le droit d'apporter à son matériel, sans préavis toutes modifications justifiées par l'évolution technique.

PLAINTES / En cas de contestation, seul le tribunal de commerce de TURIN (Italie), sera compétent.



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