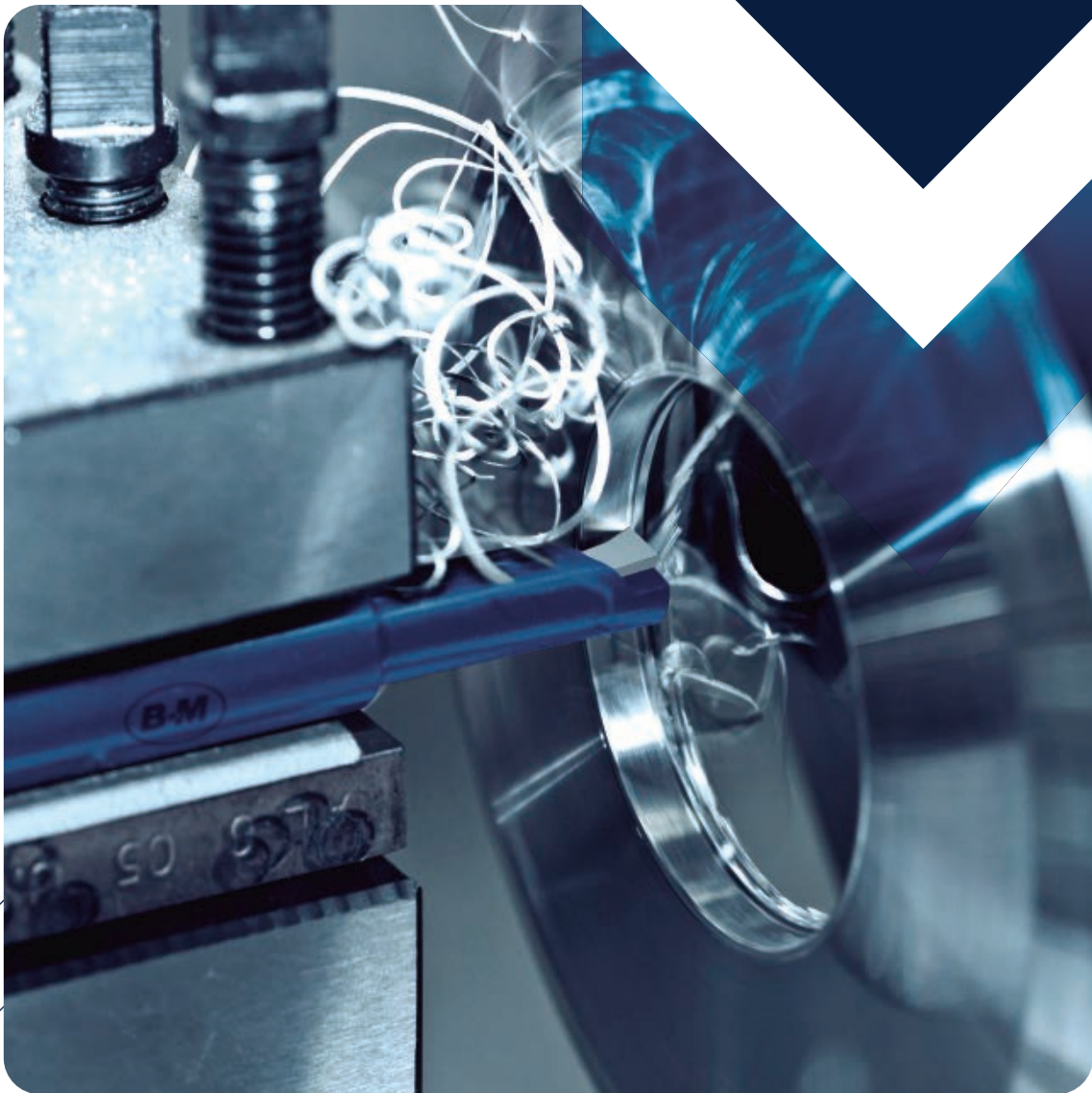




**BLUE-MASTER<sup>®</sup>**  
by *ce/esa*



UTENSILI  
PER TORNIO

## BARRETTE IN COBALTO PER TORNOIO

Utensili per tornio

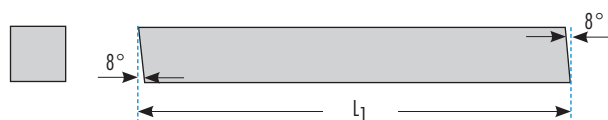
Rosa



Ref. CT1

HSSCo  
10%DIN  
4964FORMA  
BTOL  
h14

QUADRATE



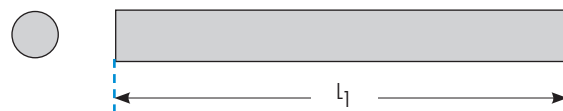
CT1									
∅ x L1 mm	€	∅ x L1 mm	€	∅ x L1 mm	€	∅ x L1 mm	€	∅ x L1 mm	€
4 x 4 x 80	10,73	6 x 6 x 100	15,60	8 x 8 x 200	44,08	12 x 12 x 100	42,69	16 x 16 x 125	114,91
4 x 4 x 100	16,93	6 x 6 x 125	19,32	10 x 10 x 63	21,69	12 x 12 x 125	59,99	16 x 16 x 160	125,81
4 x 4 x 150	22,53	6 x 6 x 160	25,10	10 x 10 x 80	27,12	12 x 12 x 160	69,40	16 x 16 x 200	145,48
4 x 4 x 200	32,07	6 x 6 x 200	31,19	10 x 10 x 100	34,24	12 x 12 x 200	89,02	18 x 18 x 160	143,53
5 x 5 x 80	14,80	8 x 8 x 63	14,80	10 x 10 x 125	46,11	14 x 14 x 100	56,61	18 x 18 x 200	171,40
5 x 5 x 100	20,78	8 x 8 x 80	17,28	10 x 10 x 160	57,15	14 x 14 x 125	68,82	20 x 20 x 160	195,28
5 x 5 x 150	29,15	8 x 8 x 100	21,69	10 x 10 x 200	68,51	14 x 14 x 160	92,58	20 x 20 x 200	220,91
5 x 5 x 200	39,83	8 x 8 x 125	32,23	12 x 12 x 63	29,15	14 x 14 x 200	99,28	25 x 25 x 160	311,56
6 x 6 x 80	13,70	8 x 8 x 160	34,57	12 x 12 x 80	38,64	16 x 16 x 100	73,57	25 x 25 x 200	314,67



Ref. CT2

HSSCo  
10%DIN  
4964FORMA  
ATOL  
h8

ROTONDE



CT2									
∅ x L1 mm	€	∅ x L1 mm	€	∅ x L1 mm	€	∅ x L1 mm	€	∅ x L1 mm	€
3 x 100	8,91	6 x 63	9,85	8 x 100	17,91	10 x 100	25,57	14 x 200	106,52
4 x 63	7,52	6 x 80	12,73	8 x 125	28,40	10 x 160	47,79	16 x 125	60,53
4 x 80	9,25	6 x 100	15,65	8 x 160	28,65	10 x 200	59,04	16 x 160	83,09
4 x 100	14,69	6 x 160	22,67	8 x 200	32,58	12 x 80	27,34	16 x 200	106,52
4 x 150	18,41	6 x 200	25,08	9 x 100	27,47	12 x 100	26,78	18 x 160	160,37
5 x 63	7,52	7 x 100	24,11	9 x 150	46,12	12 x 125	46,16	18 x 200	205,43
5 x 80	11,10	7 x 150	32,36	9 x 200	54,62	12 x 160	69,07	20 x 160	185,98
5 x 100	16,42	7 x 200	29,55	10 x 63	18,14	12 x 200	76,38	20 x 200	206,93
5 x 150	20,71	8 x 63	11,29	10 x 80	20,86	14 x 160	83,09	25 x 200	469,06
5 x 200	26,16	8 x 80	15,05						

**BARRETTE IN COBALTO PER TORNIO**



Ref. CT3

**HSSCo**  
**10%**

**DIN**  
**4964**

**FORMA**  
**D**

**TOL**  
**h14**

RETTANGOLARI



**CT3**

h x h1 x L1 mm	€	h x h1 x L1 mm	€	h x h1 x L1 mm	€	h x h1 x L1 mm	€	h x h1 x L1 mm	€
8 x 4 x 100	19,50	12 x 8 x 160	65,43	15 x 5 x 200	81,50	16 x 10 x 160	103,26	20 x 10 x 200	141,08
10 x 5 x 160	42,75	12 x 8 x 200	80,24	16 x 4 x 80	27,62	16 x 10 x 200	125,94	20 x 12 x 160	125,19
10 x 5 x 200	51,44	15 x 3 x 150	50,56	16 x 4 x 100	34,41	20 x 4 x 150	79,10	20 x 12 x 200	155,83
10 x 6 x 160	51,44	15 x 3 x 200	61,61	16 x 4 x 160	55,59	20 x 4 x 200	98,52	25 x 6 x 160	89,28
10 x 6 x 200	63,54	15 x 4 x 150	58,10	16 x 8 x 160	77,14	20 x 5 x 160	75,64	25 x 6 x 200	108,14
12 x 6 x 160	54,84	15 x 4 x 200	70,94	16 x 8 x 200	93,80	20 x 5 x 200	94,18	25 x 12 x 200	204,23
12 x 6 x 200	65,04	15 x 5 x 150	66,88	16 x 10 x 100	60,52	20 x 10 x 160	113,47		



Ref. CT4

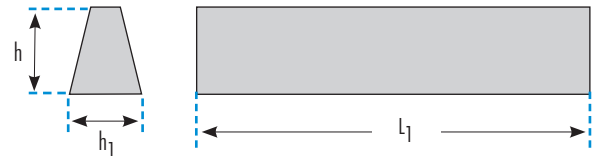
**HSSCo**  
**10%**

**DIN**  
**4964**

**FORMA**  
**E**

**TOL**  
**h12**

TRAPEZOIDALI



**CT4**

h x h1 x L1 mm	€	h x h1 x L1 mm	€
12 x 3,0 x 160	36,72	19 x 3,50 x 125	54,73
13 x 2,5 x 100	40,24	20 x 5,00 x 160	77,77
15 x 2,5 x 100	43,73	20 x 5,00 x 200	107,45
16 x 4,0 x 160	61,83	25 x 6,00 x 160	94,62



Ref. CT5

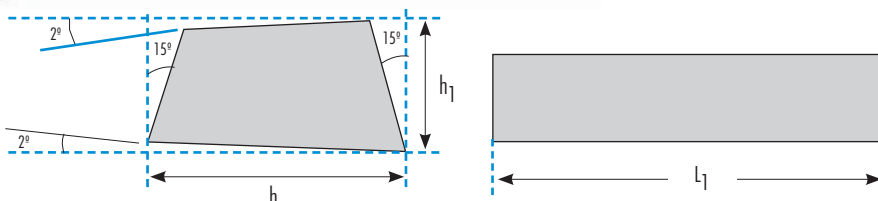
**HSSCo**  
**10%**

**DIN**  
**4964**

**FORMA**  
**INDEX 1**

**TOL**  
**h12**

BITRAPEZOIDALI

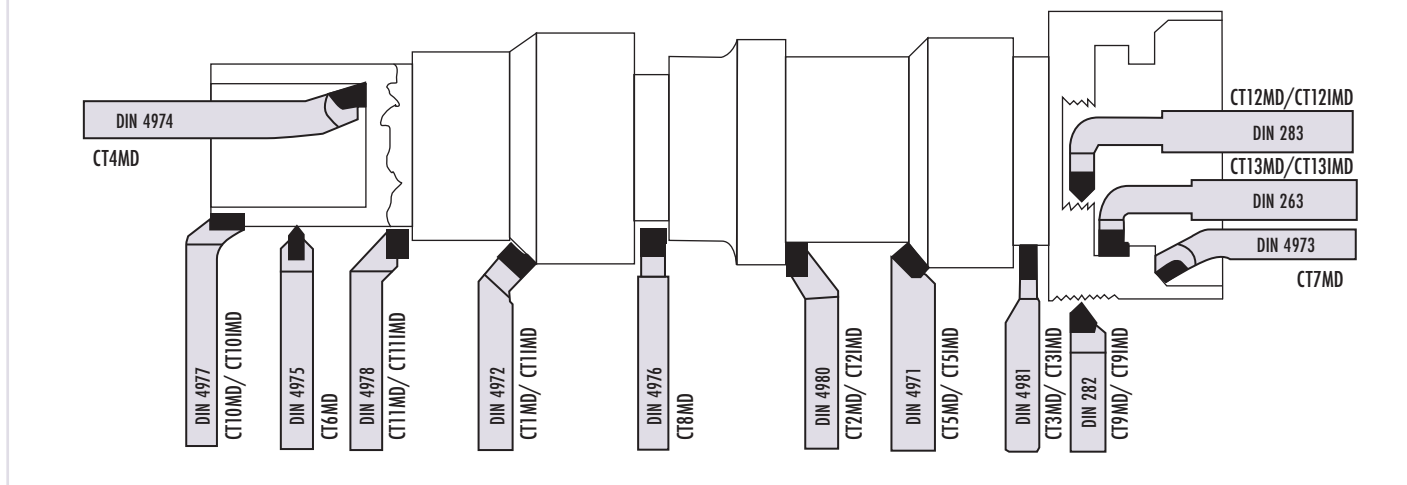


**CT5**

h x h1 x L1 mm	€
13 x 2,5 x 100	43,86
15 x 2,5 x 100	47,68
19 x 3,5 x 125	59,66

## UTENSILI PER TORNO

## DIAGRAMMA DELLE OPERAZIONI



\* Altre misure disponibili su richiesta.

## APPLICAZIONI

<b>P20</b>	Qualità raccomandata per le lavorazioni al tornio di acciaio, acciaio fuso e ghisa malleabile a truciolo lungo. Alta resistenza all'usura.
<b>K10</b>	Qualità raccomandata per le lavorazioni al tornio di ghisa grigia, ghisa dura, acciaio temprato, ghisa malleabile a truciolo corto, leghe di alluminio e silicio, bronzo e ottone.

## QUALITÀ

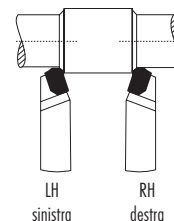
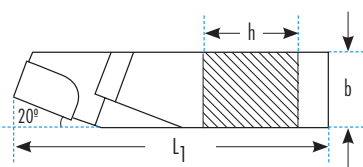
Ref. CT5MD  
Ref. CT5IMDDIN  
4971

P-20

K-10

ISO  
1

UTENSILI DRITTI PER TORNITURA



P20		K10		h x b x L1 mm	€
DESTRA	SINISTRA	DESTRA	SINISTRA		
CT5MD10x10x90P	CT5IMD10x10x90P	CT5MD10x10x90K	CT5IMD10x10x90K	10 x 10 x 90	11,04
CT5MD12x12x100P	CT5IMD12x12x100P	CT5MD12x12x100K	CT5IMD12x12x100K	12 x 12 x 100	11,87
CT5MD16x16x110P	CT5IMD16x16x110P	CT5MD16x16x110K	CT5IMD16x16x110K	16 x 16 x 110	14,92
CT5MD20x20x125P	CT5IMD20x20x125P	CT5MD20x20x125K	CT5IMD20x20x125K	20 x 20 x 125	20,36
CT5MD25x25x140P	CT5IMD25x25x140P	CT5MD25x25x140K	CT5IMD25x25x140K	25 x 25 x 140	30,12

**UTENSILI PER TORNO**

Ref. CT1MD  
Ref. CT1MD

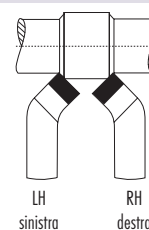
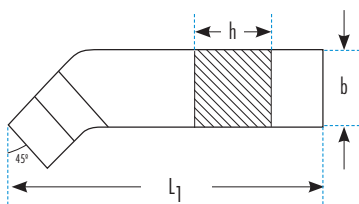
**DIN 4972**

**P-20**

**K-10**

**ISO 2**

UTENSILI PER TORNITURA 45°



**P20**

**K10**

DESTRA	SINISTRA	DESTRA	SINISTRA	h x b x L1 mm	€
CT1MD12x12x100P	CT1MD12x12x100P	CT1MD12x12x100K	CT1MD12x12x100K	12 x 12 x 100	13,16
CT1MD16x16x110P	CT1MD16x16x110P	CT1MD16x16x110K	CT1MD16x16x110K	16 x 16 x 110	16,40
CT1MD20x20x125P	CT1MD20x20x125P	CT1MD20x20x125K	CT1MD20x20x125K	20 x 20 x 125	20,87
CT1MD25x25x140P	CT1MD25x25x140P	CT1MD25x25x140K	CT1MD25x25x140K	25 x 25 x 140	29,50

Ref. CT7MD

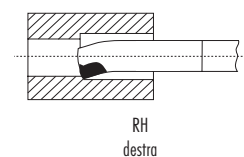
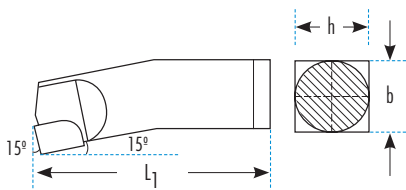
**DIN 4973**

**P-20**

**K-10**

**ISO 8**

UTENSILI DRITTI PER ALESATURA



**P20**

**K10**

DESTRA	DESTRA	h x b x L1 mm	€
CT7MD8x8x125P	CT7MD8x8x125K	8 x 8 x 125	15,78
CT7MD10x10x125P	CT7MD10x10x125K	10 x 10 x 125	15,49
CT7MD12x12x180P	CT7MD12x12x180K	12 x 12 x 180	16,72
CT7MD16x16x210P	CT7MD16x16x210K	16 x 16 x 210	18,76
CT7MD20x20x250P	CT7MD20x20x250K	20 x 20 x 250	24,37
CT7MD25x25x300P	CT7MD25x25x300K	25 x 25 x 300	38,38

Ref. CT4MD

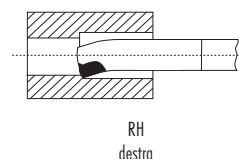
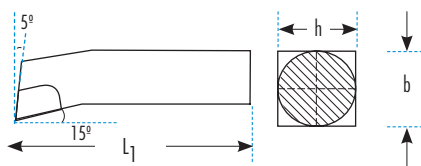
**DIN 4974**

**P-20**

**K-10**

**ISO 9**

UTENSILI PER TORNITURA INTERNA



**P20**

**K10**

DESTRA	DESTRA	h x b x L1 mm	€
CT4MD8x8x125P	CT4MD8x8x125K	8 x 8 x 125	16,26
CT4MD10x10x150P	CT4MD10x10x150K	10 x 10 x 150	16,06
CT4MD12x12x180P	CT4MD12x12x180K	12 x 12 x 180	17,03
CT4MD16x16x210P	CT4MD16x16x210K	16 x 16 x 210	20,28
CT4MD20x20x250P	CT4MD20x20x250K	20 x 20 x 250	25,63
CT4MD25x25x300P	CT4MD25x25x300K	25 x 25 x 300	38,93
CT4MD32x32x355P	CT4MD32x32x355K	32 x 32 x 355	68,53

## UTENSILI PER TORNO

Ref. CT6MD

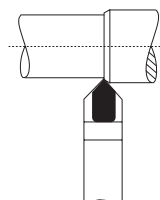
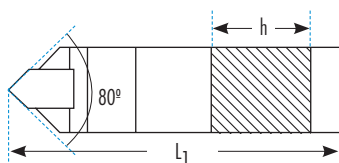
DIN  
4975

P-20

K-10

ISO  
10

UTENSILI DRITTI PER TORNITURA



dritto

P20		K10		h x b x L1 mm	€
DRITTA	DRITTA	DRITTA	DRITTA		
CT6MD16x10x110P	CT6MD16x10x110K	CT6MD16x10x110K	CT6MD16x10x110K	16 x 10 x 110	12,16
CT6MD20x12x125P	CT6MD20x12x125K	CT6MD20x12x125K	CT6MD20x12x125K	20 x 12 x 125	14,08
CT6MD25x16x140P	CT6MD25x16x140K	CT6MD25x16x140K	CT6MD25x16x140K	25 x 16 x 140	17,94
CT6MD32x20x170P	CT6MD32x20x170K	CT6MD32x20x170K	CT6MD32x20x170K	32 x 20 x 170	40,32

Ref. CT8MD

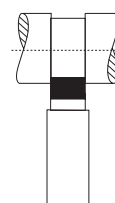
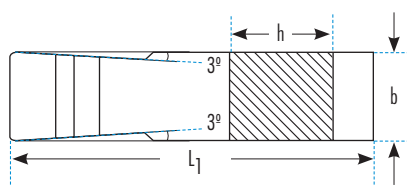
DIN  
4976

P-20

K-10

ISO  
4

UTENSILI DRITTI PER SCANALATURA LARGA



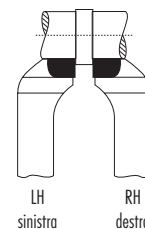
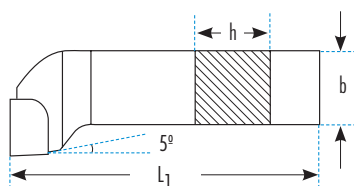
dritto

P20		K10		h x b x L1 mm	€
DRITTA	DRITTA	DRITTA	DRITTA		
CT8MD16x10x110P	CT8MD16x10x110K	CT8MD16x10x110K	CT8MD16x10x110K	16 x 10 x 110	14,60
CT8MD20x12x125P	CT8MD20x12x125K	CT8MD20x12x125K	CT8MD20x12x125K	20 x 12 x 125	16,02
CT8MD25x16x140P	CT8MD25x16x140K	CT8MD25x16x140K	CT8MD25x16x140K	25 x 16 x 140	22,58
CT8MD32x20x170P	CT8MD32x20x170K	CT8MD32x20x170K	CT8MD32x20x170K	32 x 20 x 170	33,30

Ref. CT10MD  
Ref. CT10IMDDIN  
4977

P-20

K-10

ISO  
5UTENSILI A GOMITO PER  
TORNITURA ATTACCO FRONTALELH  
sinistraRH  
destra

P20		K10		h x b x L1 mm	€
DESTRA	SINISTRA	DESTRA	SINISTRA		
CT10MD10x10x90P	CT10IMD10x10x90P	CT10MD10x10x90K	CT10IMD10x10x90K	10 x 10 x 90	12,31
CT10MD12x12x100P	CT10IMD12x12x100P	CT10MD12x12x100K	CT10IMD12x12x100K	12 x 12 x 100	14,10
CT10MD16x16x110P	CT10IMD16x16x110P	CT10MD16x16x110K	CT10IMD16x16x110K	16 x 16 x 110	15,49
CT10MD20x20x125P	CT10IMD20x20x125P	CT10MD20x20x125K	CT10IMD20x20x125K	20 x 20 x 125	19,87
CT10MD25x25x140P	CT10IMD25x25x140P	CT10MD25x25x140K	CT10IMD25x25x140K	25 x 25 x 140	30,58

**UTENSILI PER TORNOIO**

Ref. CT11MD  
Ref. CT11IMD

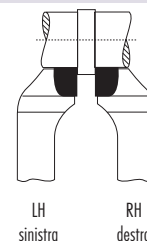
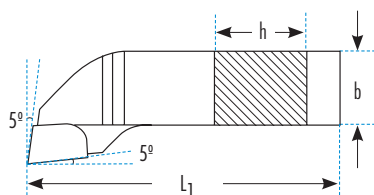
**DIN**  
**4978**

**P-20**

**K-10**

**ISO**  
**3**

**UTENSILI A GOMITO PER  
TORNITURA ATTACCO LATERALE**



Utensili per tornio

Rosa

P20		K10		h x b x L1 mm	€
DESTRA	SINISTRA	DESTRA	SINISTRA		
CT11MD10x10x90P	CT11MD10x10x90P	CT11MD10x10x90K	CT11MD10x10x90K	10 x 10 x 90	13,50
CT11MD12x12x100P	CT11MD12x12x100P	CT11MD12x12x100K	CT11MD12x12x100K	12 x 12 x 100	15,89
CT11MD16x16x110P	CT11MD16x16x110P	CT11MD16x16x110K	CT11MD16x16x110K	16 x 16 x 110	17,68
CT11MD20x20x125P	CT11MD20x20x125P	CT11MD20x20x125K	CT11MD20x20x125K	20 x 20 x 125	26,21
CT11MD25x25x140P	CT11MD25x25x140P	CT11MD25x25x140K	CT11MD25x25x140K	25 x 25 x 140	43,30

Ref. CT2MD  
Ref. CT2IMD

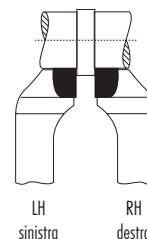
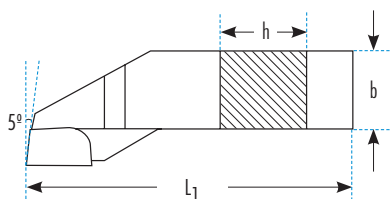
**DIN**  
**4980**

**P-20**

**K-10**

**ISO**  
**6**

**UTENSILI PER TORNITURA 90°**



P20		K10		h x b x L1 mm	€
DESTRA	SINISTRA	DESTRA	SINISTRA		
CT2MD10x10x90P	CT2IMD10x10x90P	CT2MD10x10x90K	CT2IMD10x10x90K	10 x 10 x 90	11,94
CT2MD12x12x100P	CT2IMD12x12x100P	CT2MD12x12x100K	CT2IMD12x12x100K	12 x 12 x 100	13,24
CT2MD16x16x110P	CT2IMD16x16x110P	CT2MD16x16x110K	CT2IMD16x16x110K	16 x 16 x 110	16,06
CT2MD20x20x125P	CT2IMD20x20x125P	CT2MD20x20x125K	CT2IMD20x20x125K	20 x 20 x 125	21,37
CT2MD25x25x140P	CT2IMD25x25x140P	CT2MD25x25x140K	CT2IMD25x25x140K	25 x 25 x 140	31,10

Ref. CT3MD  
Ref. CT3IMD

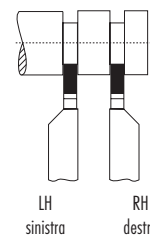
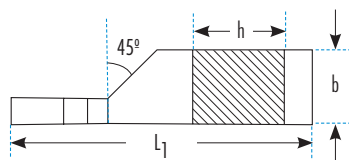
**DIN**  
**4981**

**P-20**

**K-10**

**ISO**  
**7**

**UTENSILI PER TRONCATURA**



P20		K10		h x b x L1 mm	€
DESTRA	SINISTRA	DESTRA	SINISTRA		
CT3MD12x08x100P	CT3IMD12x08x100P	CT3MD12x08x100K	CT3IMD12x08x100K	12 x 8 x 100 x 3	12,35
CT3MD16x10x110P	CT3IMD16x10x110P	CT3MD16x10x110K	CT3IMD16x10x110K	16 x 10 x 110 x 4	13,50
CT3MD20x12x125P	CT3IMD20x12x125P	CT3MD20x12x125K	CT3IMD20x12x125K	20 x 12 x 125 x 5	15,60
CT3MD25x16x140P	CT3IMD25x16x140P	CT3MD25x16x140K	CT3IMD25x16x140K	25 x 16 x 140 x 6	20,70

## UTENSILI PER TORNO

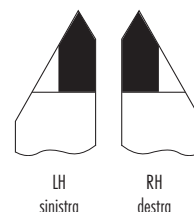
Ref. CT9MD  
Ref. CT9IMDDIN  
282

P-20

K-10

ISO  
12

UTENSILI PER FILETTATURA ESTERNA



P20

K10

DESTRA	SINISTRA	DESTRA	SINISTRA	h x b x L1 mm	€
CT9MD16x10x120P	CT9IMD16x10x120P	CT9MD16x10x120K	CT9IMD16x10x120K	16 x 10 x 120	15,48
CT9MD20x12x140P	CT9IMD20x12x140P	CT9MD20x12x140K	CT9IMD20x12x140K	20 x 12 x 140	18,13
CT9MD25x16x160P	CT9IMD25x16x160P	CT9MD25x16x160K	CT9IMD25x16x160K	25 x 16 x 160	23,62

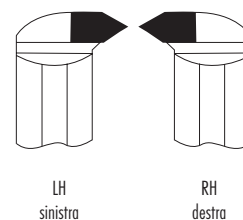
Ref. CT12MD  
Ref. CT12IMDDIN  
283

P-20

K-10

ISO  
13

UTENSILI PER FILETTATURA INTERNA



P20

K10

DESTRA	SINISTRA	DESTRA	SINISTRA	h x b x L1 mm	€
CT12MD10x10x140P	CT12IMD10x10x140P	CT12MD10x10x140K	CT12IMD10x10x140K	10 x 10 x 140	25,31
CT12MD12x12x160P	CT12IMD12x12x160P	CT12MD12x12x160K	CT12IMD12x12x160K	12 x 12 x 160	25,75
CT12MD16x16x180P	CT12IMD16x16x180P	CT12MD16x16x180K	CT12IMD16x16x180K	16 x 16 x 180	33,84
CT12MD20x20x210P	CT12IMD20x20x210P	CT12MD20x20x210K	CT12IMD20x20x210K	20 x 20 x 210	40,19
CT12MD25x25x250P	CT12IMD25x25x250P	CT12MD25x25x250K	CT12IMD25x25x250K	25 x 25 x 250	56,98

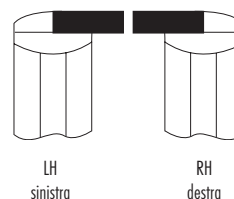
Ref. CT13MD  
Ref. CT13IMDDIN  
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K10

DESTRA	SINISTRA	DESTRA	SINISTRA	h x b x L1 mm	€
CT13MD12x12x160P	CT13IMD12x12x160P	CT13MD12x12x160K	CT13IMD12x12x160K	12 x 12 x 160	26,54
CT13MD16x16x180P	CT13IMD16x16x180P	CT13MD16x16x180K	CT13IMD16x16x180K	16 x 16 x 180	33,17
CT13MD20x20x210P	CT13IMD20x20x210P	CT13MD20x20x210K	CT13IMD20x20x210K	20 x 20 x 210	41,89
CT13MD25x25x250P	CT13IMD25x25x250P	CT13MD25x25x250K	CT13IMD25x25x250K	25 x 25 x 250	52,62