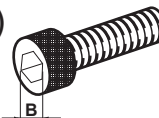


RICAMBI

IDENTIFICAZIONE	M002
RICAMBI	
VITE DI FISSAGGIO	M003
BULLONE DI FISSAGGIO	M009
SPESSORE	M010
PERNO DI COMPENSAZIONE E LEVA DI BLOCCAGGIO	M013
PERNO DI ARRESTO	M014
STAFFA DI FISSAGGIO	M014
PIASTRINA ROMPIRUCIOLO	M016
LUBRIFICANTE ANTIGRIPPAGGIO	M017

IDENTIFICAZIONE

IDENTIFICAZIONE DELLA VITE DI BLOCCAGGIO (Filetto destro grossolano metrico)



H SC 060 05

lunghezza

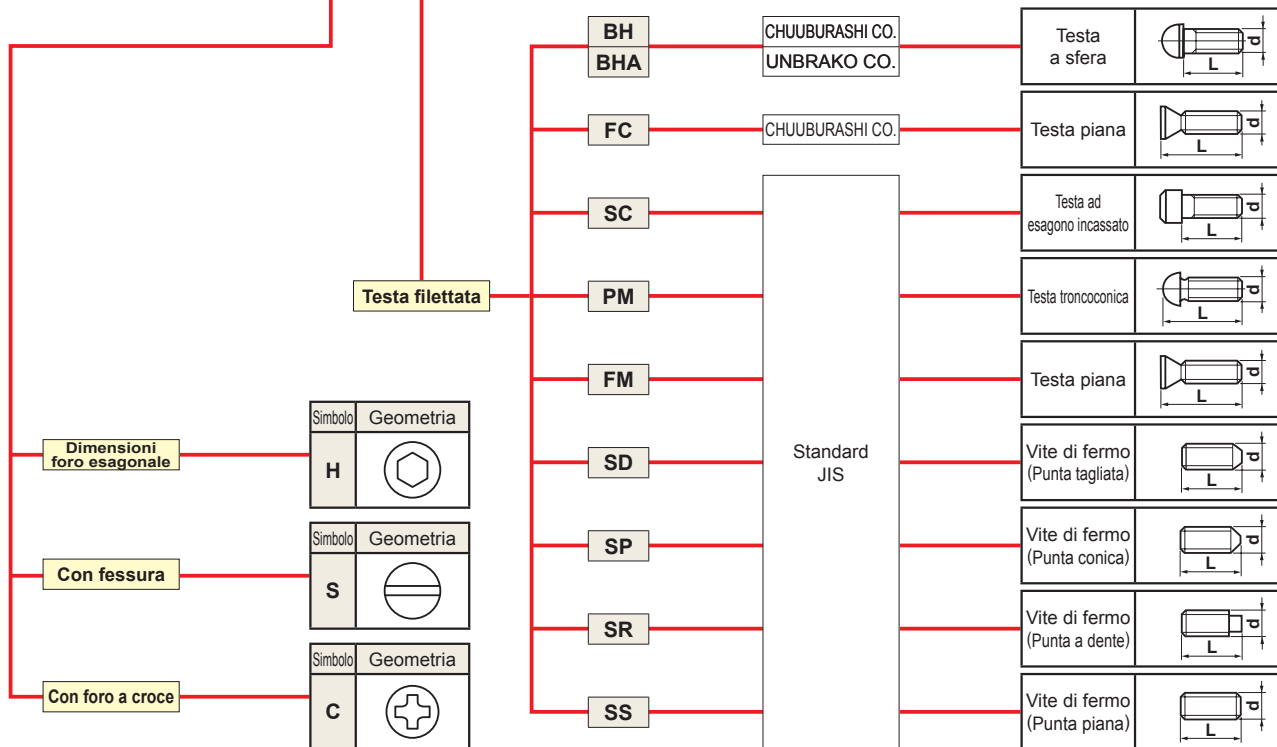
Esempio	
Simbolo	L
05	5
10	10

Diametro della vite

Esempio	
Simbolo	d
050	M5
060	M6

Dimensioni foro esagonale

Diametro	Passo	Dimensioni B			
		HBH	HFC	HSC	HS
M2	0.4	—	—	1.5	0.9
M2.5	0.45	—	—	2	1.3
M3	0.5	2	2	2.5	1.5
M4	0.7	2.5	2.5	3	2
M5	0.8	3	3	4	2.5
M6	1	4	4	5	3
M8	1.25	5	5	6	4
M10	1.5	6	6	8	5



IDENTIFICAZIONE DELLA CHIAVE DI BLOCCAGGIO

HKY 15 R

Chiave esagonale		
Simbolo	B	Dimensione
15	1.5	T6
20	2	T8
25	2.5	T10
30	3	T15
40	4	T20
50	5	T25
60	6	T30

Chiave a stella		
Simbolo	B	Dimensione
06	1.7	T6
08	2.3	T8
10	2.7	T10
15	3.3	T15
20	3.8	T20
25	4.4	T25
27	5.0	T27
30	5.5	T30

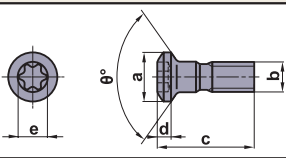
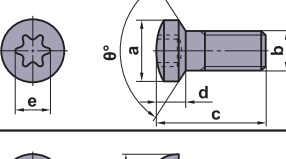
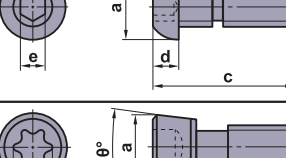
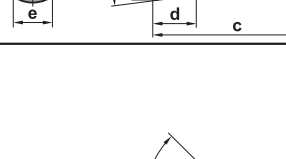
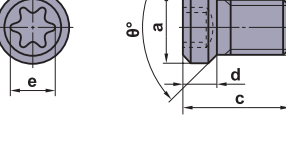
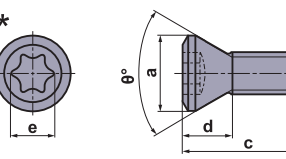
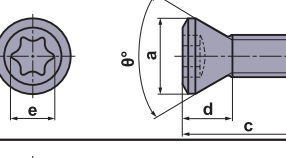
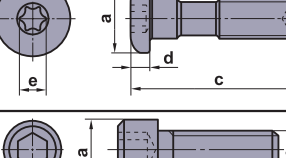
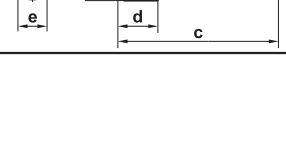
Chiave Torx plus®	
Simbolo	Dimensione
06	6IP
07	7IP
08	8IP
15	15IP

Simbolo	Chiave
HKY	Chiave esagonale
TKY	Chiave a stella
TIP	Chiave Torx plus®

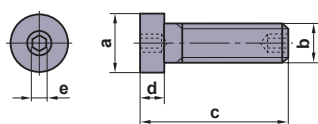
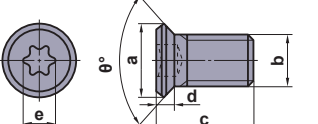
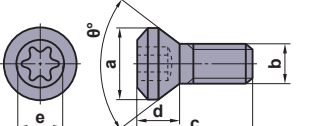
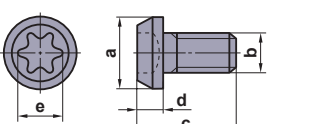
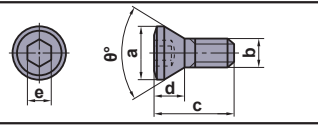
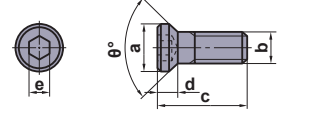
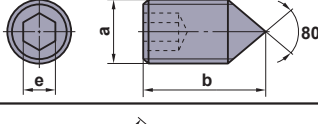
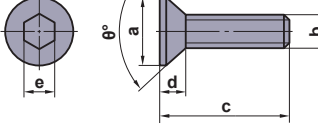
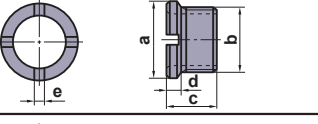
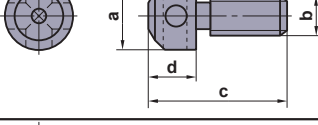
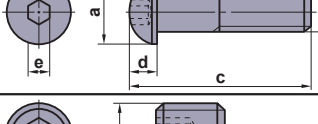
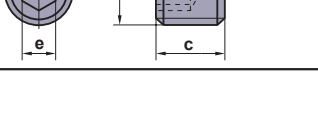
R	Chiave a L standard	
L	Chiave a L lunga	
T	Chiave T	
F	Chiave a bandiera	
FS	Chiave a bandiera	
W	Chiave a bandiera	
D	Cacciavite	

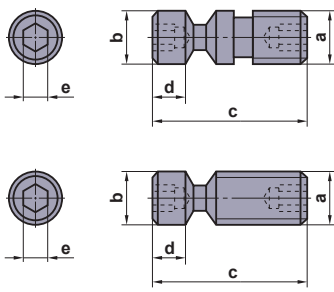
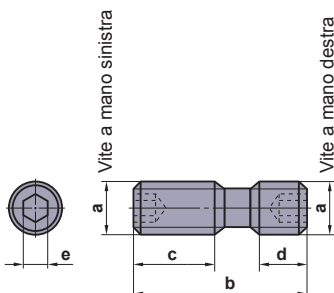
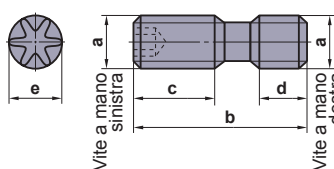
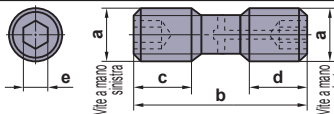
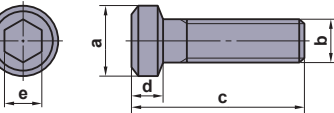
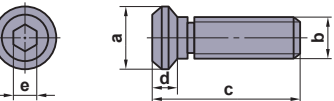
RICAMBI

VITE DI FISSAGGIO

Geometria	Codice di ordinazione	Dimensioni (mm)					Angolo θ°	Dimensione guida	libretto torze (N·m)	Portautensile
		a	b	c	d	e				
	AJS3010T10	5	M3×0.5	10	1.5	2.8	120	T10	2.5	Portautensile Profilo Fresa tipo AJX
	4012T15	7	M4×0.7	12	2.2	3.4	120	T15	3.5	
	5014T25	8	M5×0.8	14	2.7	4.5	120	T25	7.5	
	BRS103	5	M3×0.5	9.9	2.9	3.4	120	T15	3.5	Fresa tipo BRE
	105	8	M5×0.8	13.8	3.8	4.5	120	T25	7.5	
	CS3 (Uso con C3)	7	M4×0.7	14.6	2.6	2.5	—	—	2.2	Barre alesatrici di tipo F La vite di fissaggio è compresa nel set morsetto di bloccaggio.
	CS4 (Uso con C4)	9	M5×0.8	15.4	3.4	3	—	—	3.3	
	CS5 (Uso con C5)	10.5	M6×1	22	4	4	—	—	7.0	
	CAS51T	7.9	M5×0.8	19	5	4.5	10	T25	8.5	Fresa tipo BF407
 	CS200T	3.2	M2×0.4	5	1.6	1.8	90	T6	0.6	Portautensile AL
	250T	3.7	M2.5×0.45	6	1.8	2.4	90	T8	1.0	Barre alesatrici di tipo F
	* 250560T	3.9	M2.5×0.45	5.2	2.5	2.4	60	T8	1.0	Barre alesatrici di tipo MMTI
	300590T	4.1	M3×0.5	5.5	2.1	2.4	90	T8	1.0	Barre alesatrici di tipo SNT
	300790TS	4.7	M3×0.5	7	2.3	2.8	90	T10	2.0	Serie per utensili di fresatura
	300890T	4.1	M3×0.5	8	2.1	2.4	90	T8	1.0	
	* 350760T	5.5	M3.5×0.6	7	4	3.4	60	T15	3.5	
	350790T	4.8	M3.5×0.6	7	2.4	2.8	90	T10	2.5	
	* 350860T	5.5	M3.5×0.6	8.4	4	3.4	60	T15	3.5	
	350990T	4.8	M3.5×0.6	9	2.4	2.8	90	T10	2.5	
	400990T	6.0	M4×0.7	9	2.8	3.4	90	T15	3.5	
	401160T	5.7	M4×0.7	11	4.5	3.4	60	T15	3.5	
	401990T	6.0	M4×0.7	19	3.0	3.9	90	T20	3.5	
	451190T	6.3	M4.5×0.75	11	2.9	3.9	90	T20	5.0	
	* 501160T	7.0	M5×0.8	11	3.6	3.9	60	T20	5.0	
	501290T	7.0	M5×0.8	11	3.5	4.5	90	T25	7.5	
5015060T	7.2	M5×0.8	15	2.4	3.9	60	T20	5.0		
502190T	8.5	M5×0.8	21	4.0	5.1	90	T27	7.5		
6016060T	8.5	M6×1.0	16	4.5	4.5	60	T25	7.5		
	CSF401260T	7.2	M4×0.5	12	5.2	3.9	60	T20	5.0	Fresa tipo PMR
	DC0520T	8.5	M5×0.8	22.5	2.5	3.4	—	T15	3.5	Portautensile a DOPPIO MORSETTO BARRA ALESATRICE DIMPLE BAR Sistema HSK
	0621T	10.5	M6×1.0	25	4	3.9	—	T20	5.0	
	DKS4	5.6	M4×0.7	18	3.5	3	—	—	3.3	
	5	7.6	M5×0.8	19	4.5	4	—	—	7.0	

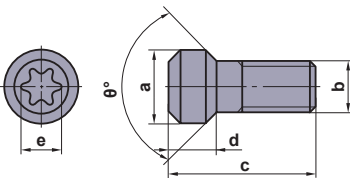
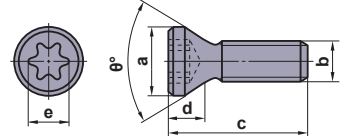
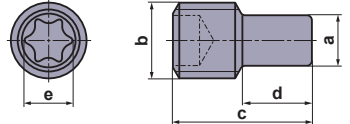
VITE DI FISSAGGIO

Geometria	Codice di ordinazione	Dimensioni (mm)					Angolo θ°	Dimensione guida	Momento torcente (N·m)	Portautensile
		a	b	c	d	e				
	EGS06019	9	M6×1	22.5	3.5	3	—	—	3.3	
	08024	11	M8×1.25	28.5	4.5	4	—	—	7.0	
	FC400890T	5.6	M4×0.7	7.5	1.3	2.8	90	T10	2.5	Portautensile di tipo AL Barre alesatrici di tipo AL Portautensile di tipo SMG
	GY05016S	8.7	M5×0.8	16	3.5	3.9	90	T20	4.5	Serie GY
	GY06013M	12	M6×1	18	5	5.6	—	T30	6.0	Serie GY
	HFF06015	10	M6×1	15	6	5	80	—	8.2	
	HS4L	5.4	M4×0.7	14	2.3	2.5	80	—	3.8	
	5S	6.8	M5×0.8	9	2.8	3	80	—	3.3	
	5L	6.8	M5×0.8	15	2.8	3	80	—	6.6	
	HSP05008C	M5×0.8	8	—	—	2.5	—	—	2.5	Portautensile di tipo MP
	HY-A1	4.4	M3×0.5	7	2.1	2	82	—	1.5	
	-V1	5.5	M3×0.5	7	2.5	2	82	—	1.5	
	2	5.5	M3×0.5	10	2.5	2	82	—	1.5	
	3	7	M3.5×0.6	12	2.9	2	82	—	1.5	
	4	9.3	M5×0.8	16	3.6	3	82	—	3.3	
	JSS6	6.9	M6×0.75	4.5	1.5	0.8	—	—	—	
	7	8	M7×0.75	4.4	1.5	1	—	—	—	
	KS1	7	M4×0.7	14	5	—	—	—	—	
	2	10	M6×1	18	7	—	—	—	—	
	3	8	M4×0.7	14	6.5	—	—	—	—	
	1S	7	M4×0.7	14	5	—	—	—	—	
	2S	10	M6×1	18	7	—	—	—	—	
	KS11	8	M5×0.8	19	3	3	—	—	3.3	
	12	10	M6×1	26	4	4	—	—	7.0	
	13	10	M6×1	30	4	4	—	—	7.0	
	14	13	M8×1.25	45	5	5	—	—	9.0	
	LLR1	M5×0.8	—	3.5	—	2.5	—	—	—	
	2	M6×1	—	5	—	3	—	—	—	

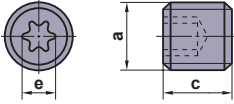
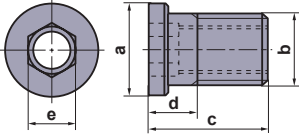
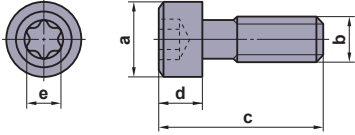
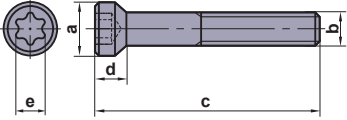
Geometria	Codice di ordinazione	Dimensioni (mm)					Angolo θ°	Dimensione guida	libretto torze (N·m)	Portautensile
		a	b	c	d	e				
 <p>LLCS103, LLCS105 LLCS125, LLCS205</p> <p>I prodotti contrassegnati con "*" non presentano all'estremità il foro esagonale indicato con b.</p> <p>I prodotti contrassegnati con "☆" non presentano all'estremità il foro esagonale indicato con a.</p>	☆ LLCS103	M3×0.5	4	11	4.6	2	—	—	1.5	Portautensile di tipo LL
	* 105	M5×0.8	M5×0.8	10	1.5	2	—	—	1.5	Barre alesatrici di tipo P
	105	M5×0.8	M5×0.8	10	1.5	2	—	—	1.0	Barre alesatrici di tipo P
	106	M6×1	6	16.5	3.5	2.5	—	—	2.2	Sistema HSK
	* 106S	M6×1	6	13.4	0.7	2.5	—	—	2.2	Fresa tipo KSMG
	108	M8×1.25	8	21	6.5	3	—	—	3.3	
	* 108S	M8×1.25	8	16.5	2	3	—	—	3.3	
	110	M10×1.5	10	29	8	4	—	—	7.0	
	112	M12×1	11.9	36.2	9	5	—	—	8.0	
	125	M5×0.8	M5×0.8	12	2	2	—	—	1.5	
	205	M5×0.8	M5×0.8	16	4	2	—	—	1.5	
	206	M6×1	6	26	13	2.5	—	—	2.2	
	208	M8×1.25	8	24	6.5	3	—	—	3.3	
	306	M6×1	6	21	4	2.5	—	—	2.2	
	308	M8×1.25	8	42	27.5	3	—	—	3.3	
	310	M10×1	10	29	8	4	—	—	7.0	
410	M10×1	10	30	6.6	4	—	—	7.0		
508	M8×1	8	24	6.5	3	—	—	3.3		
* 508S	M8×1	8	20.5	3	3	—	—	3.3		
 <p>Vite a mano sinistra</p> <p>Vite a mano destra</p> <p>*Senza foro esagonale su vite destra</p>	LS1	M6×1	22	8	8	3	—	—	5.0	Portautensile a DOPPIO MORSETTO (per lavorazione pesante)
	2	M8×1	29	13	10	4	—	—	8.2	Portautensile di tipo UG
	3	M8×1	32	13	13	4	—	—	8.2	UTENSILI PER FRESATURA
	* 4	M6×1	15	8	4	3	—	—	5.0	
	* 5	M6×1	18	8	5	3	—	—	5.0	
	* 6	M8×1	24	13	5	4	—	—	8.2	
	* 7	M8×1	27	13	8	4	—	—	8.2	
	* 8	M6×0.75	18	7	7	3	—	—	5.0	
	* 9	M6×0.75	22	8	8	3	—	—	5.0	
	* 10	M7×0.75	16	6	6	4	—	—	8.2	
	* 11	M8×1	16	6	6	4	—	—	8.2	
	* 12	M8×1	24	7	7	4	—	—	8.2	
	* 13	M8×1	34	12	12	4	—	—	8.2	
	* 14	M7×0.75	24	10	10	4	—	—	8.2	
	* 15	M7×0.75	18	6	8	4	—	—	8.2	
	* 16	M7×0.75	23	11	8	4	—	—	8.2	
* 17	M8×1	42	17	11	4	—	—	8.2		
* 18	M7×0.75	14	6	4	4	—	—	8.2		
* 20	M10×1.5	26	9	9	5	—	—	9.0		
* 21	M10×1.5	32	12	12	5	—	—	9.0		
24	M8×1.25	24	8.5	8.5	4	—	—	8.2		
25	M8×1.0	28.5	12.0	10.5	4	—	—	8.2		
 <p>Vite a mano sinistra</p> <p>Vite a mano destra</p>	LS10T	M7×0.75	14	6	5	4.5	—	T25	8.5	
	14T	M7×0.75	24	10	10	4.5	—	T25	8.5	
	15T	M7×0.75	18	7	7	4.5	—	T25	8.5	
	19T	M6×0.75	11	4	4	3.4	—	T15	5.0	
	10TS	M7×0.75	13	6	4	4.5	—	T25	8.5	
0622T	M6×0.75	22	8	8	3.4	—	T15	6.0		
 <p>Vite a mano sinistra</p> <p>Vite a mano destra</p>	LS24H	M8×1.25	24	8.5	8.5	4	—	—	8.2	Fresa tipo APX3000
	MGS6	10	M6×1	26	4	5	—	—	9.0	
	MHT1	11	M8×1	18.5	3.5	4	—	—	8.7	

VITE DI FISSAGGIO

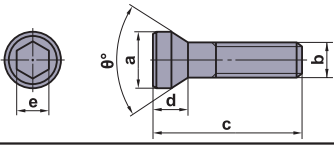
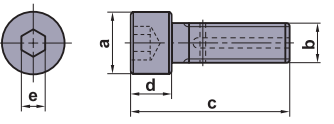
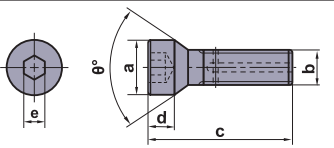
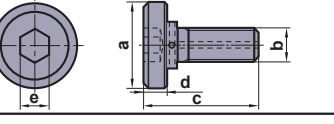
Geometria	Codice di ordinazione	Dimensioni (mm)					Angolo θ°	Dimensione guida	Momento torcente (N·m)	Portautensile
		a	b	c	d	e				
	NS251	3.6	M2.5×0.45	7	—	2.2	60	—	0.7	UTENSILI SERIE MINI
	401	5.8	M4×0.7	6	—	3.6	60	—	3.5	
	NS402W	5.85	M4×0.7	10	—	2.2	60	—	0.7	UTENSILI SERIE MINI
	403W	5.85	M4×0.7	12	—	2.2	60	—	0.7	
	404W	5.8	M4×0.7	10	—	2.2	90	—	0.7	
	NS501W	8	M5×0.8	16	—	2.5	120	—	2.2	UTENSILI SERIE MINI
	502W	8	M5×0.8	20	—	2.5	120	—	2.2	
	RN-S4S	5.8	M4×0.5	8.4	2.5	3.4	61	T15	3.5	
	-S4M	5.8	M4×0.5	10	2.2	3.4	61	T15	3.5	
	-S4	5.8	M4×0.5	12.5	2.2	3.4	61	T15	3.5	
	-S5	8.1	M5×0.5	15.4	3.6	3.9	61	T20	5.0	
	-S6	9.5	M6×0.75	20.3	4.6	3.9	61	T20	5.0	
	-S7	11	M7×0.75	24.7	5.2	4.5	61	T25	7.5	
	RS3008T	4.3	M3×0.35	8.6	2	2.4	61	T8	1.5	Fresa tipo SRF
	3510T	5	M3.5×0.35	10	2.3	2.8	61	T10	2.5	
	4015T	6	M4×0.5	14	2.7	3.4	61	T15	3.3	
	5020T	8.1	M5×0.5	16.4	3.6	3.9	61	T20	5.0	
	6025T	9.5	M6×0.75	21.5	4.2	4.5	61	T25	7.5	
	8030T	12	M8×0.75	25	5	5.6	61	T30	10.0	
	S1	3.5	M2×0.4	5.5	2.2	1.5	92	—	1.0	
	3	4.5	M3×0.5	7.7	2.4	2	92	—	1.5	
	4	5.3	M4×0.7	8	1.8	2.5	62	—	2.2	
	5	6.8	M5×0.8	9	2.4	3	62	—	3.3	
	SD32	12	M8×1.25	28	7.2	6	50	—	9.5	Tipo D ad albero
	40	12	M8×1.25	36	7.2	6	50	—	9.5	
	50	16	M10×1.5	46	8.2	8	50	—	1.0	
	63	16	M10×1.5	61	8.2	8	50	—	1.0	
	SETS51	6.8	M5×0.8	14.8	1.5	3.4	—	T15	3.5	Portautensile di tipo MMTE Barre alesatrici di tipo MMTI
	61	8	M6×1	20	1.8	3.9	—	T20	5.0	
	SLCS105	10	M5×0.8	25	6.3	4	90	—	7.0	Portautensile di tipo WP Barre alesatrici di tipo M
	106	12	M6×1	32	6.2	4	90	—	7.0	
	SPS1	8.5	M5×0.8	16	4	4.5	70	T25	5.0	
	SRS5	6.7	M5×0.8	16	3.5	3.9	—	T20	5.0	Fresa tipo SRE
	STS1	6.8	M3×0.5	7	2.2	2.8	90	T10	2.5	

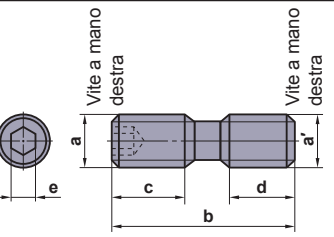
Geometria	Codice di ordinazione	Dimensioni (mm)					Angolo θ°	Dimensione guida	Momento torcente (N·m)	Portautensile
		a	b	c	d	e				
	* TS16	2.5	M1.6×0.35	3.2	1.6	1.8	60	T6	0.6	Portautensile di tipo SP
	2	2.7	M2×0.4	4.6	1.4	1.8	60	T6	0.6	Portautensile Profilo
	* 2A	2.7	M2×0.4	4.5	1.2	1.8	60	T6	0.6	UTENSILI SERIE MINI
	2C	2.7	M2×0.4	3.8	1.4	1.8	60	T6	0.6	DIMPLE BAR
	☆ 2D	3.8	M2×0.4	5.3	1.9	1.8	82	T6	0.6	MICRO-DEX
	21	2.7	M2×0.4	3.4	1.4	1.8	60	T6	0.6	Barre alesatrici di tipo F
	* 22	3.0	M2.2×0.45	5	1.2	1.8	60	T6	0.6	Barre alesatrici di tipo S
	* 25	3.3	M2.5×0.45	5.5	1.7	2.4	60	T8	1.0	Serie GY
	☆ 25D	4.4	M2.5×0.45	6.2	2.2	2.4	82	T8	1.0	Barre alesatrici di tipo MMTI
	* 25H	3.6	M2.5×0.45	5.5	2	2.4	60	T8	1.0	Sistema HSK
	202	2.7	M2×0.4	5.5	1.8	1.8	60	T6	0.6	UTENSILI PER FRESATURA
	253	3.3	M2.5×0.45	4.5	1.7	2.4	60	T8	1.0	Punte TAF
	254	3.3	M2.5×0.45	7	1.7	2.4	60	T8	1.0	
	* 255	3.5	M2.5×0.45	7.5	1.6	2.4	60	T8	1.0	
	3	3.9	M3×0.5	6	2	2.4	60	T8	1.0	
	3D	5.0	M3×0.5	6	2.3	2.8	82	T10	2.5	
	* 3SB	4.4	M3×0.5	8	2	2.4	80	T8	1.5	
	31D	4.8	M3×0.5	7.2	2.2	2.8	82	T10	2.5	
	* 32	3.9	M3×0.5	7.5	2	2.4	60	T8	1.0	
	* 33	3.9	M3×0.5	6.7	2	2.4	60	T8	1.0	
	35	4.8	M3.5×0.6	6.5	2.4	2.8	60	T10	2.5	
	* 35D	5.3	M3.5×0.6	12	2.8	3.4	60	T15	3.5	
	351	4.8	M3.5×0.6	7.2	2.4	2.8	60	T10	2.5	
	4S	5.4	M4×0.7	7	2.4	3.4	80	T15	3.5	
	* 4SL	5.4	M4×0.7	8	2.4	3.4	80	T15	4.0	
	* 4SB	5.8	M4×0.7	9	2.7	3.4	80	T15	3.5	
	* 4SBL	5.8	M4×0.7	10.5	2.7	3.4	80	T15	3.5	
	4	5.4	M4×0.7	8	2.6	3.4	60	T15	3.5	
	4D	5.6	M4×0.7	7.7	2.5	3.4	82	T15	3.5	
	42	5.4	M4×0.7	6	2.6	3.4	60	T15	3.5	
	43	5.4	M4×0.7	10	2.6	3.4	60	T15	3.5	
	44	5.4	M4×0.7	12	2.6	3.4	60	T15	3.5	
	406	5.4	M4×0.7	15.5	2.6	3.4	60	T15	3.5	
	407	5.4	M4×0.7	9	2.6	3.4	60	T15	3.5	
	450	5.9	M4.5×0.75	13	3.6	3.9	60	T20	5.0	
	5S	6.8	M5×0.8	9	2.9	4.5	80	T25	7.5	
* 5SL	6.8	M5×0.8	12	2.9	4.5	80	T25	7.5		
5	6.8	M5×0.8	9	3.2	4.5	60	T25	7.5		
5L	6.8	M5×0.8	15	2.9	4.5	80	T25	7.5		
52	6.8	M5×0.8	8	3.2	4.5	60	T25	7.5		
53	6.8	M5×0.8	16	3.2	4.5	60	T25	7.5		
54	6.8	M5×0.8	12	3.2	4.5	60	T25	7.5		
55	6.8	M5×0.8	10.5	3.2	4.5	60	T25	7.5		
* 6S	8.5	M6×1.0	13	4.4	5.6	60	T30	10.0		
* 6	8.5	M6×1.0	16	4.4	5.6	60	T30	10.0		
	TPS20	2.7	M2×0.4	3.5	1.3	1.8	60	6IP	0.6	Fresa tipo ASX445
	22	3.0	M2.2×0.45	4.7	1.6	2.1	60	7IP	0.6	Fresa tipo ASX400
	22S	3.0	M2.2×0.45	4.2	1.6	2.1	60	7IP	0.6	Fresa tipo APX3000
	25	3.3	M2.5×0.45	5.5	1.7	2.1	60	7IP	1.0	Fresa tipo APX4000
	25-1	3.3	M2.5×0.45	6.5	1.7	2.1	60	7IP	1.0	Fresa tipo ARX
	35	5.3	M3.5×0.6	11.5	2.8	3.4	60	15IP	3.5	Fresa tipo PMR
	4	5.3	M4×0.7	8	2.6	3.4	60	15IP	3.5	
	43	5.3	M4×0.7	10	2.6	3.4	60	15IP	3.5	
	TSR05008S	3.5	M5×0.8	8	—	2.8	—	T10	—	ANELLO SMUSSATO
	06011S	4	M6×1.0	11	—	3.9	—	T20	—	

VITE DI FISSAGGIO

Geometria	Codice di ordinazione	Dimensioni (mm)					Angolo θ°	Dimensione guida	Momento torsile (N·m)	Portautensile
		a	b	c	d	e				
	TSS04005	M4×0.7	—	5	—	2.4	—	T8	—	Fresa tipo PMF
	05006	M5×0.8	—	6	—	2.8	—	T10	—	
	06010	M6×1	—	10	—	3.9	—	T20	—	
	WCS503507H	6.3	M5×0.5	7	3.3	3.5	—	—	5.0	Fresa tipo ASX445
	604010H	7.8	M6×0.75	10	4.1	4.0	—	—	7.0	Fresa tipo ASX400
										Fresa tipo PMR
	WS1	8.5	M5×0.8	19	5	4.5	—	T25	7.5	
	WS254012T	4	M2.5×0.45	11.5	2.2	2.4	80	T8	2.0	Punte TAW
	254013T	4	M2.5×0.45	12.5	2.2	2.4	80	T8	2.0	
	254014T	4	M2.5×0.45	13.5	2.2	2.4	80	T8	2.0	
	254015T	4	M2.5×0.45	14.5	2.2	2.4	80	T8	2.0	
	254016T	4	M2.5×0.45	15.5	2.2	2.4	80	T8	2.0	
	304517T	4.5	M3×0.5	16.5	3.4	2.8	60	T10	3.5	
	304518T	4.5	M3×0.5	17.5	3.4	2.8	60	T10	3.5	
	355520T	5.5	M3.5×0.6	19.5	3.9	3.4	60	T15	5.5	
	355521T	5.5	M3.5×0.6	20.5	3.9	3.4	60	T15	5.5	
	406023T	6	M4×0.7	22.0	4.4	4.5	60	T25	8.5	
	406024T	6	M4×0.7	23.0	4.4	4.5	60	T25	8.5	
	508026T	8	M5×0.8	25.0	5.2	5.1	60	T27	12.0	
	508027T	8	M5×0.8	26.0	5.2	5.1	60	T27	12.0	

BULLONE DI FISSAGGIO

Geometria	Codice di ordinazione	Dimensioni (mm)					Angolo θ°	Dimensione guida	Momento torcente (N·m)	Portautensile
		a	b	c	d	e				
	BOES101	15	M10×1.5	45	10	8	60	—	10.0	Fresa tipo OCTACUT
	HSC08030H	13	M8×1.25	38	8	5	—	—	24	Fresa tipo APX3000/4000 Fresa tipo AJX
	08040	13	M8×1.25	48	8	5	—	—	24	Fresa tipo APX4000
	08050	13	M8×1.25	58	8	5	—	—	24	Fresa tipo AXD4000
	10030H	16	M10×1.5	40	10	6	—	—	40	Fresa tipo AXD7000
	10035	16	M10×1.5	45	10	6	—	—	40	Fresa tipo APX3000/4000 Fresa tipo AJX
	10045	16	M10×1.5	55	10	6	—	—	40	Fresa tipo BXD
	10055	16	M10×1.5	65	10	6	—	—	40	Fresa tipo VFX5/6
	12035	18	M12×1.75	47	12	10	—	—	80	
	12035H	18	M12×1.75	47	12	10	—	—	80	Fresa tipo APX3000/4000 Fresa tipo AJX
	12045	18	M12×1.75	57	12	10	—	—	80	
	12070	18	M12×1.75	82	12	10	—	—	80	
	16040	24	M16×2	56	16	14	—	—	150	
	16040H	24	M16×2	56	16	14	—	—	150	Fresa tipo APX3000/4000 Fresa tipo AJX
	16080	24	M16×2	96	16	14	—	—	150	
20040	30	M20×2.5	60	20	17	—	—	320		
20090	30	M20×2.5	110	20	17	—	—	320		
	HFF08043H	11	M8×1.25	43	5	5	90	—	8.2	Fresa tipo AXD4000
										Fresa tipo BXD
	MBA16033H	40	M16×2	43	10	14	—	—	150	Fresa tipo AHX640 (per ϕ 100)
	20040H	50	M20×2.5	54	14	17	—	—	320	Fresa tipo APX4000
	24045H	65	M24×3	59	14	17	—	—	520	Fresa tipo AXD4000 Fresa tipo AXD7000 Fresa tipo AJX Fresa tipo BXD

Geometria	Codice di ordinazione	Dimensioni (mm)						Momento torcente (N·m)	Portautensile
		a	a'	b	c	d	e		
	HDS08030	M8×0.75	M8×1.25	30	13.5	11.5	4	8.2	Fresa tipo BRP
	10031	M10×1.0	M10×1.5	31	14	12	5	9.0	Fresa tipo OCTACUT Fresa tipo PMF

RICAMBI

SPESSORE

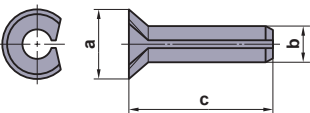
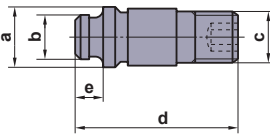
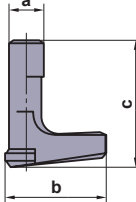
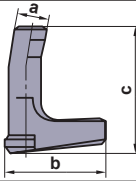
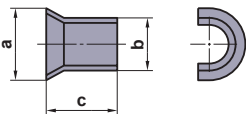
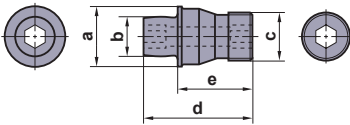
Geometria	Codice di ordinazione	Dimensioni (mm)						Portautensile
		a	b	c	d	e	f	
	CS32	9.52	3.18	0.8	0.8	1.2	1.2	
	42	12.70	3.18	0.8	0.8	1.2	1.6	
	43	12.70	4.76	0.8	0.8	1.2	1.6	
	62	19.05	3.18	1.2	1.2	1.6	1.6	
	* PS31	8.28	2.38	0.2	0.2	0.6	0.6	
	* 42	11.46	3.18	0.2	0.2	0.6	1.0	
	CT22	6.35	3.18	0.4	0.8	1.2	—	Barre alesatrici di tipo F
	32	9.52	3.18	0.4	0.8	1.2	—	
	33	9.52	4.76	0.4	0.8	1.2	—	
	42	12.70	3.18	0.4	0.8	1.2	—	
	* PT21	5.11	2.38	0.2	0.2	0.6	—	
	* 32	8.28	3.18	0.2	0.2	0.6	—	
	BPT322	7.8	3.18	—	—	—	—	Portautensile a DOPPIO MORSETTO BARRA ALESATRICE DIMPLE BAR
	DCSVN32	9.52	3.18	0.8	1.2	—	—	
	ESS42	12.70	3.18	0.8	0.8	1.2	1.6	Portautensile di tipo ML
	EST32	9.52	3.18	0.4	0.8	1.2	—	Portautensile di tipo ML
	43	12.70	4.76	0.4	0.8	1.2	—	
	LLSCN3T3	9.52	3.97	0.4	0.4	0.8	0.8	Portautensile a DOPPIO MORSETTO
	33	9.52	4.76	0.4	0.4	0.8	0.8	Portautensile di tipo LL
	42	12.70	3.18	0.8	0.8	1.2	1.2	BARRA ALESATRICE DIMPLE BAR
	53	15.87	4.76	1.2	1.2	1.6	1.6	Barre alesatrici di tipo P
	63	19.05	4.76	1.2	1.2	1.6	1.6	Sistema HSK
	* LLSCP42	12.70	3.18	0.8	0.8	1.2	1.2	BARRA ALESATRICE DIMPLE BAR
	* 63	19.05	4.76	1.2	1.2	1.6	1.6	Barre alesatrici di tipo P
								Sistema HSK
	LLSDN32	9.52	3.18	0.8	1.2	—	—	Portautensile a DOPPIO MORSETTO
	42	12.70	3.18	0.8	1.2	—	—	Portautensile di tipo LL
	43	12.70	4.76	0.8	1.2	—	—	BARRA ALESATRICE DIMPLE BAR
	53	15.87	4.76	1.2	1.6	—	—	Barre alesatrici di tipo P
	* LLSDP42	12.70	3.18	0.8	1.2	—	—	Sistema HSK
	BARRA ALESATRICE DIMPLE BAR							
	LLSRN103	8.3	3.18	—	—	—	—	Portautensile di tipo LL
	123	9.8	3.18	—	—	—	—	Sistema HSK
	164	13.6	4.76	—	—	—	—	
	204	17.3	4.76	—	—	—	—	
	256	22.0	6.35	—	—	—	—	
	326	28.0	6.35	—	—	—	—	
	LLSSN32	9.52	3.18	0.8	0.8	1.2	1.2	Portautensile di tipo LL
	33	9.52	4.76	0.8	0.8	1.2	1.2	BARRA ALESATRICE DIMPLE BAR
	42	12.70	3.18	0.8	0.8	1.2	1.6	Barre alesatrici di tipo P
	53	15.87	4.76	1.2	1.2	1.6	1.6	
	63	19.05	4.76	1.2	1.2	1.6	2.0	
	84	25.40	6.35	1.6	1.6	2.4	2.4	
	* LLSSP42	12.70	3.18	0.8	0.8	1.2	1.6	

Geometria	Codice di ordinazione	Dimensioni (mm)						Portautensile
		a	b	c	d	e	f	
	LLSTE32	7.6	3.18	0.4	0.4	0.4	—	Portautensile di tipo LL
	LLSTN32	9.52	3.18	0.4	0.8	1.2	—	Portautensile a DOPPIO MORSETTO
	33	9.52	4.76	0.4	0.8	1.2	—	BARRA ALESATRICE DIMPLE BAR
	42	12.70	3.18	0.4	0.8	1.2	—	Barre alesatrici di tipo P
	53	15.87	4.76	0.8	1.2	1.6	—	
	*LLSTP32	9.52	3.18	0.4	0.8	1.2	—	
	LLSWN32	9.52	3.18	0.4	0.8	1.2	—	Portautensile di tipo LL
	3T3	9.52	3.97	0.4	0.8	1.2	—	Portautensile a DOPPIO MORSETTO
	42	12.70	3.18	0.4	0.8	1.2	—	BARRA ALESATRICE DIMPLE BAR
	*LLSWP32	9.52	3.18	0.4	0.8	1.2	—	
	*42	12.70	3.18	0.4	0.8	1.2	—	
		MHS532R/L	9.4	15.7	4.5	0.8	0.8	—
533R/L		9.4	15.7	4.5	1.2	1.2	—	
534R/L		9.4	15.7	4.5	1.6	1.6	—	
542R/L		9.4	15.7	6.5	0.8	0.8	—	
543R/L		9.4	15.7	6.5	1.2	1.2	—	
544R/L		9.4	15.7	6.5	1.6	1.6	—	
	MLCP42	12.58	3.18	1.2	1.2	1.2	1.2	Barre alesatrici di tipo P
	MLDP42	12.56	3.18	1.2	1.2	—	—	Barre alesatrici di tipo P
	MLSP42	12.63	3.18	1.2	1.2	1.2	1.2	Barre alesatrici di tipo P
	MLTP32	9.50	3.18	1.2	1.2	1.2	—	Barre alesatrici di tipo P
	MSCN63	18.8	4.76	1.6	1.6	1.6	1.6	Portautensile a DOPPIO MORSETTO (per lavorazione pesante)
	MSSN63	18.8	4.76	1.6	1.6	1.6	1.6	Portautensile a DOPPIO MORSETTO (per lavorazione pesante)
	CT32T1	9.525	15.03	3.18	—	—	—	Portautensile di tipo SET Barre alesatrici di tipo SNT Cartuccia tipo SET
	PT32T1R	8.28	13.34	3.18	—	—	—	
	32T2R	8.28	13.19	3.18	—	—	—	
	42TR	10.85	17.20	3.18	—	—	—	

SPESSORE

Geometria	Codice di ordinazione	Dimensioni (mm)						Portautensile
		a	b	c	d	e	f	
	PV321	9.52	3.18	0.4	0.4	—	—	Portautensile di tipo MP
	322	9.52	3.18	0.8	0.8	—	—	
	323	9.52	3.18	1.2	1.2	—	—	
	SPSVN32	8.06	3.18	0.3	0.3	—	—	Portautensile di tipo SP Sistema HSK
	STASX400N	11.00	3.00	0.4	0.4	0.4	0.4	Fresa tipo ASX400
	STASX445N	10.76	3.00	—	—	—	—	Fresa tipo ASX445
	STBS500N	12.7	3.18	0.8	0.8	0.8	0.8	
	WPSTN33	9.3	4.76	0.8	0.4	1.2	—	Portautensile di tipo WP
	43	12.50	4.76	0.8	0.4	1.2	—	
	* WPSWC43	12.50	4.76	0.4	0.8	1.2	—	Barre alesatrici di tipo M
	WPSWN43	12.50	4.76	0.4	0.8	1.2	—	Portautensile di tipo WP

PERNO DI COMPENSAZIONE E LEVA DI BLOCCAGGIO

Geometria	Codice di ordinazione	Dimensioni (mm)					Portautensile
		a	b	c	d	e	
	BCP141	3.0	1.4	5.6	—	—	Portautensile di tipo SP Barre alesatrici di tipo F Sistema HSK
	201	4.3	2	7.4	—	—	
	202	4.3	2	6.4	—	—	
	251	4.8	2.5	7.4	—	—	
	252	4.8	2.5	6.4	—	—	
	301	5.3	3	7.4	—	—	
	401	6.3	4	7.4	—	—	
	CCP33	6.5	3.66	M5×0.8	18.5	3	Portautensile WP Barre alesatrici di tipo M
	34	7.5	5.0	M6×1.0	18.5	3	
	44	7.5	5.0	M5×0.8	14.2	3	
	LLCL12S	2.1	9.3	5.6	—	—	Portautensile di tipo LL Barre alesatrici di tipo P Sistema HSK Fresa tipo KSMG
	13	3.6	10	12.5	—	—	
	13S	3.6	10	7.8	—	—	
	14	4.7	13.4	13.2	—	—	
	14S	4.7	13.6	12.2	—	—	
	15	6.0	19	17	—	—	
	16	7.5	20.8	21	—	—	
	18	8.6	25.4	25.2	—	—	
	23	3.6	12.0	11.5	—	—	
	23S	3.6	11.6	9.5	—	—	
	24	4.7	16.2	14.8	—	—	
	110	3.0	10.7	11.6	—	—	
	112	3.5	13	13.5	—	—	
	116	4.5	18.5	18	—	—	
	120	5.6	20.3	19	—	—	
	125	6	24	24	—	—	
	132	8	30	27	—	—	
	LLP13	5.55	4.85	5.3	—	—	Portautensile di tipo LL Portautensile a DOPPIO MORSETTO BARRA ALESATRICE DIMPLE BAR Barre alesatrici di tipo P Sistema HSK Fresa tipo KSMG
	14	7.25	6.55	5.8	—	—	
	15	8.8	8.05	8.6	—	—	
	16	10.85	9.85	11.1	—	—	
	18	15.35	13.05	12.0	—	—	
	23	5.55	4.85	6.8	—	—	
	24	7.25	6.55	9.1	—	—	
	MP6	11.9	7.8	M10×1	22.1	15	Portautensile a DOPPIO MORSETTO (per lavorazione pesante)

RICAMBI

PERNO DI ARRESTO

Geometria	Codice di ordinazione	Dimensioni (mm)						Portautensile
		a	b	c	d	e	f	
	P11S	6	3.7	4	17	11.1	—	Portautensile di tipo MP
	21S	7.5	4.9	4.5	17.2	11.5	—	
	P221US	4	18	2.11	3.5	3.3	7.7	Portautensile di tipo ML
	321US	5.5	18	3.64	5.0	3.3	7.5	
	322US	5.5	21	3.64	5.0	3.3	10.5	
	323US	5.5	24	3.64	5.0	3.3	13.5	
	332US	5.5	21	3.64	5.0	4.9	8.9	Portautensile di tipo ML
	P323WS	5.75	24	3.64	5.0	3.3	12.9	
	333WS	5.75	24	3.64	5.0	4.9	11.3	
	334WS	5.75	30	3.64	5.0	4.9	17.3	
	433W	7.75	24	5.03	7.0	4.9	10.8	
434W	7.75	30	5.03	7.0	4.9	16.8		

STAFFA DI FISSAGGIO

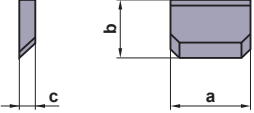
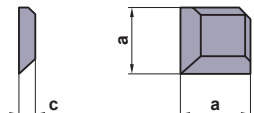
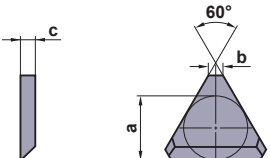
Geometria	Codice di ordinazione	Dimensioni (mm)						Portautensile
		a	b	c	d	e	f	
	AMS3	7	12	3	3.3	—	—	Portautensile Profilo Fresa tipo AJX Fresa tipo BRE
	4	9	13.5	3	3.8	—	—	
	5	10	15	3.5	5	—	—	
	CA142	8	15	4	7	—	—	
	150	9	16	4.5	7	—	—	
	151	10	17	5	7	—	—	
	152	10	19	5	7	—	—	
	153	10	24	5	7	—	—	
	161	13	20	6	8	—	—	
	162	13	24	6	8	—	—	
	163	13	27	6	8	—	—	
	181	16	30	8	10	—	—	
183	16	37	8	10	—	—		
	CCK13	15	18.5	6	9	—	—	Portautensile di tipo WP Barre alesatrici di tipo M
	14	19	22	8	9.5	—	—	
	CCTC1	13	25	7	10.2	—	—	
	CK231	M6×1	8	4	7.5	4.5	9.5	Portautensile di tipo MC
	232	M6×1	8	4.5	8	4.5	11.5	
	341	M8×1	11	5.5	13.5	6	13.5	
	342	M8×1	11	6	14	6	16.5	

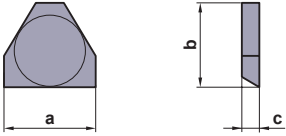
STAFFA DI FISSAGGIO

Geometria	Codice di ordinazione	Dimensioni (mm)						Portautensile
		a	b	c	d	e	f	
	CKW6	10.9	22.5	9.2	16.8	5	M8×1	Portautensile a DOPIO MORSETTO (per lavorazione pesante)
	DCK2211	11	22	6.57	11.1	—	—	Portautensile a DOPIO MORSETTO BARRA ALESATRICE DIMPLE BAR Sistema HSK
	2613	13	26.5	7.35	12.9	—	—	
	3113	13	31	9	14.5	—	—	
	KGC1	12.0	15.0	M7×0.75	—	—	—	Portautensile di tipo UG
	LK1	8	14.3	4.5	5.9	—	—	
	MHK5NR/L	15.5	23.5	8.1	12.1	—	—	
	MTK1R/L	13	17.5	5	12	—	—	Portautensile di tipo MG1 Portautensile di tipo MG Portautensile di tipo MT Portautensile di tipo MT1 Sistema HSK Cartuccia tipo MG
	MTK2R/L	18	28	7	14	—	—	
	SETK51	6.8	14.5	2.9	8	—	—	Portautensile di tipo MMTE Portautensile di tipo MMTI Portautensile di tipo SET Portautensile di tipo SNT Sistema HSK Cartuccia tipo SET
	61	8.9	18.1	4.1	8.6	—	—	
	SRK1R	9.4	21	5.5	7.5	—	—	Fresa tipo SRE
	UCR	12	24	8	7	—	—	

RICAMBI

PIASTRINA ROMPITRUCIOLO

Geometria	Codice di ordinazione	Dimensioni (mm)					Portautensile
		a	b	c	Diametro del cerchio inscritto	Spessore Rompitrucciolo	
	CBS3	9.4	8.0	1.5	9.525	1.5	
	4	12.6	9.2	2.5	12.70	3.5	
	4N	12.6	10.2	2.5	12.70	2.5	
	4F	12.6	11.2	2.5	12.70	1.5	
	6	18.9	14.6	2.5	19.05	4.5	
	6N	18.9	16.6	2.5	19.05	2.5	
	6F	18.9	17.6	2.5	19.05	1.5	
	CBS3D	8.0	—	1.5	9.525	1.5	
	4D	10.2	—	2.5	12.70	2.5	
	6D	15.6	—	2.5	19.05	3.5	
	CBT2	5.33	1.4	1.5	6.35	1.5	Barre alesatrici di tipo F * In caso di inserti positivi, il rompitruciolo è 0.5mm più largo di quanto indicato nella lista.
	2N	5.67	1.4	1.5	6.35	1.0	
	3	7.20	1.4	2.5	9.525	3.5	
	3N	7.87	1.4	2.5	9.525	2.5	
	3F	8.53	1.4	2.5	9.525	1.5	
	4	9.73	1.4	2.5	12.70	4.5	
	4N	11.07	1.4	2.5	12.70	2.5	
	4F	11.73	1.4	2.5	12.70	1.5	

Geometria	Codice di ordinazione	Dimensioni (mm)			Passo del filetto (mm)	Portautensile
		a	b	c		
	CBT3106	11.5	10.6	2.0	2.5—3.0	
	3113	11.5	11.3	2.0	1.5—2.0	
	3120	11.5	12	2.0	0.75—1.25	
	4108	13.3	10.8	2.0	3.5—4.0	
	4128	13.3	12.8	2.0	4.5—5.0	

LUBRIFICANTE ANTIGRIPPAGGIO

LUBRIFICANTE ANTIGRIPPAGGIO

Forma	Codice di ordinazione	Disponibilità	Volume (g)
	MK1K	★	20
	MK1KS	★	3

Promemoria

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