



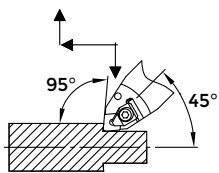
MANDRINI E UTENSILI HSK-T

DIN ISO 12164-3



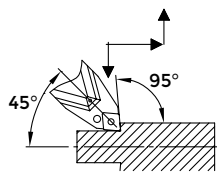
UTENSILI PER ESTERNI

DCM12 - DDM15



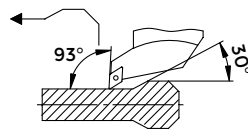
p. 248

PCMNR



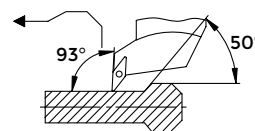
p. 249

SDJC



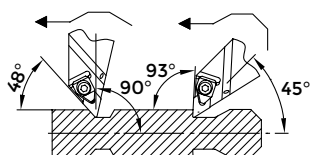
p. 250

SVJC



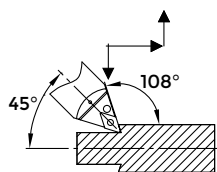
p. 252

DDMNL



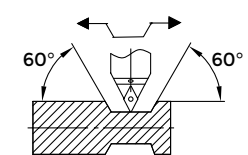
p. 248

PDNNR



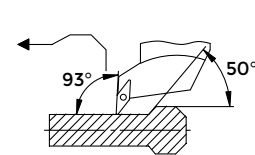
p. 249

SDNCN



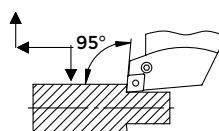
p. 251

SVJB



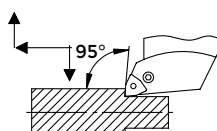
p. 252

PCLN



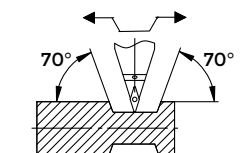
p. 248

PWLN



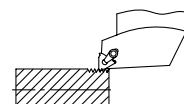
p. 250

SVVCN



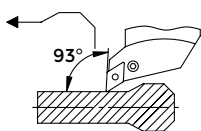
p. 251

THE



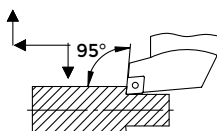
p. 252

PDJN



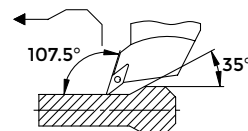
p. 249

SCLC



p. 250

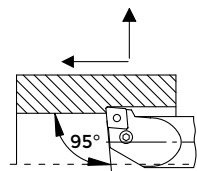
SVHC



p. 251

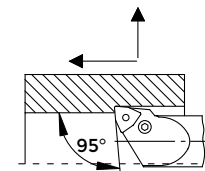
UTENSILI PER INTERNI

PCLN



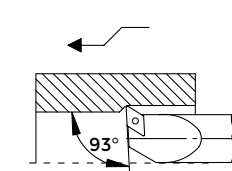
p. 253

PWLN



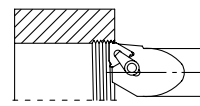
p. 253

SDUC



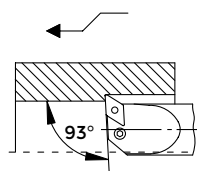
p. 254

THE



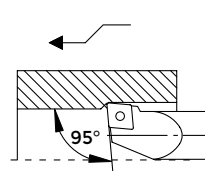
p. 255

PDUN



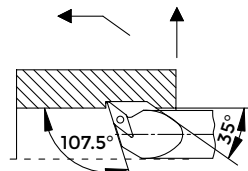
p. 253

SCLC



p. 254

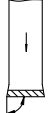
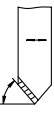
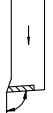
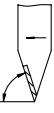
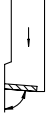
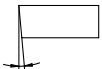
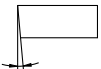
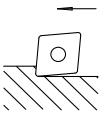
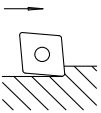
SVQB



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IDENTIFICAZIONE DEGLI UTENSILI PER ESTERNI - ATTACCO HSK

Esempio codice **H 50 T S C L C L 12**

H	Tipo di attacco	HSK - DIN 69893								
50	Grandezza dell'attacco		32 - Ø32	50 - Ø50	80 - Ø80	125 - Ø125				
			40 - Ø40	63 - Ø63	100 - Ø100	160 - Ø160				
T	Forma dell'attacco	A + C								
S	Sistema di bloccaggio									
C	Forma degli inserti									
		C	D	R	S	T	V	W		
L	Forma dei portainseri	90	75	90	45	60	90	90	107.5	
										
		A	B	C	D	E	F	G	H	
		93	75	95	50	63	117.5	15	75	
										
		J	K	L	M	N	P	Q	R	
L	Forma dei portainseri	45	60	93	72.5	60	85			
										
		S	T	U	V	W	Y			
		C	Angolo di spoglia							
				B	C	N	P			
		L	Senso di avanzamento							
L	R			N						
12	Lunghezza del profilo inserto									
		C - D - E - M - V	S	R	T	W				

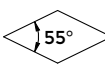
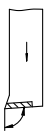
SISTEMA MODULARE DI TORNITURA

- Adottando il noto HSK-DIN69893, nelle varie versioni, e mantenendo una intercambiabilità con gli attacchi per centri di lavoro, KINTEK offre la possibilità di ridurre, drasticamente, i tempi di set-up.
- Massima rapidità nel cambio utensile.
- Grande rigidità grazie alle grandi superfici d'appoggio.
- Posizione del tagliente sempre identica.
- Riduzione delle vibrazioni.

- Precisione d'intercambiabilità.
- Ottima ripetibilità di posizionamento al cambio utensile: errore massimo +/- 0,002 mm.
- Il codolo conico viene introdotto nell'apposita sede e, ruotando una vite, si agisce sull'apertura della speciale pinza che bloccherà il portautensile sfruttando l'accoppiamento cono-piano.
- Foro per baluff chip.

IDENTIFICAZIONE DEGLI UTENSILI PER INTERNI - ATTACCO HSK

Esempio codice **H 50 T 20 S T F C L 11**

H	Tipo di attacco	HSK - DIN 69893					
50	Grandezza dell'attacco		32 - Ø32	50 - Ø50	80 - Ø80	125 - Ø125	
			40 - Ø40	63 - Ø63	100 - Ø100	160 - Ø160	
T	Forma dell'attacco	A + C					
20	Diametro dei porta inserti		8 - Ø8	12 - Ø12	20 - Ø20	32 - Ø32	50 - Ø50
			10 - Ø10	16 - Ø16	25 - Ø25	40 - Ø40	
S	Sistema di bloccaggio						
		C	D	M	P	S	
T	Forma degli inserti						
		C	D	S	T	V	W
F	Forma dei portainseri	90	75	95	117.5	15	93
							
		F	K	L	P	Q	U
C	Angolo di spoglia						
		B	C	N	P		
L	Senso di avanzamento						
		L	R	N			
11	Lunghezza del profilo inserto						
		C - D - V	S	T	W		

UTENSILI E PORTAUTENSILI CON ATTACCO HSK DIN69893

HSK - T

Tutti gli utensili e portautensili con attacco HSK vengono prodotti secondo le normative DIN.

TOLLERANZE DEL CONO: Prodotti secondo DIN 69893

TOLLERANZE CHIAVETTE DI TRASCINAMENTO:

La tolleranza definita ICTM è sorta per ridurre al minimo il gioco di accoppiamento tra il tassello di trascinamento /posizionamento, posizionato sulle macchine utensili, e la sede del portautensile/ utensile. Le tolleranze ICTM applicate in questi prodotti sulle sedi del tassello di posizionamento danno allo stesso notevoli caratteristiche di alta precisione.

I vantaggi che ne conseguono dello standard ICTM sono diversi:

ottima ripetibilità di posizionamento del cambio utensile, errore massimo +/-0,005 mm dando al tagliente sempre la stessa posizione, perfetta intercambiabilità dell'utensile, eliminazione delle vibrazioni.

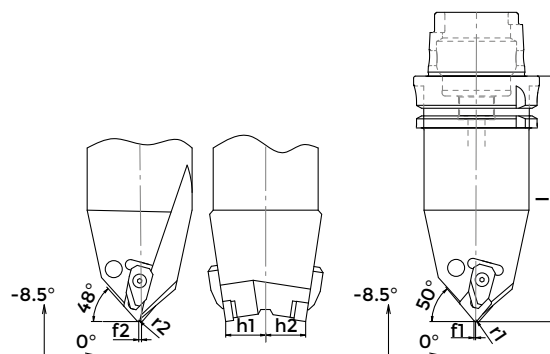
- Costruiti in acciaio da cementazione legato
- Cementati con profondità 0,4-0,5 mm
- Temprati-rinvenuti-bruniti
- Durezza HRC 58+2 resistenza 800-1000 N/mm²
- Finitura di rettifica interna-esterna
- Lavorazione della parte anteriore (sede utensile)
- Ripresa sedi tassello di trascinamento a tolleranze ICTM
- Collaudati 100% con strumenti di misura certificati

UTENSILI PER TORNITURA ESTERNA CON ATTACCO HSK-T



DCM12DDM15

ICTM standard (HSK-T)

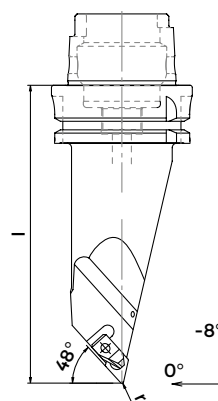


COD.	HSK	l	f1	r1	h1	f2	r2	h2	INSERTO N.1	INSERTO N.2	SOTTOPLACCHETTA - 1	SOTTOPLACCHETTA - 2	MOLLA	LEVA	MOLLA	VITE
H63TDCM12DDM151	63	100	0.9	0.8	20	0.9	0.8	20	CN..1204..	DN..1506..	SPCN12	SPDN15	SP02	STF12L-M	M2	VT22
H63TDCM12DDM15	63	145	0.9	0.8	20	0.9	0.8	20	CN..1204..	DN..1506..	SPCN12	SPDN15	SP02	STF12L-M	M2	VT22



DDMNL

ICTM standard (HSK-T)

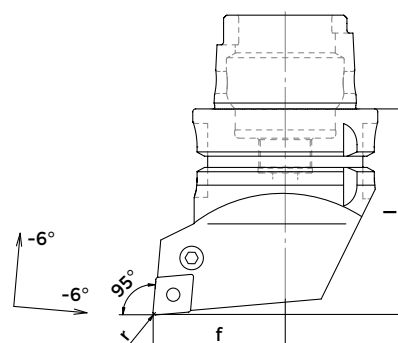


COD.	HSK	l	r	INSERTO	SOTTO PLACCHETTA	MOLLA	LEVA	MOLLA	VITE
H63TDDMNL15-100	63	100	0.8	DN.1506..	SPDN15	SP02	STF12L	M2	VT22
H63TDDMNL15-145	63	145	0.8	DN.1506..	SPDN15	SP02	STF12L	M2	VT22



PCLN

ICTM standard (HSK-T)



COD.	HSK	l	f	r	INSERTO	SOTTO PLACCHETTA	MOLLA	LEVA	VITE
H63TPCLNL/R12	63	70	45	0.8	CNM.1204..	SPCN12	SP02	LV02	VT02
H63TPCLNL16	63	70	45	1,2	CNM.160612	SPCN16	SP03	LV03	VT03
H100TPCLNL/R12	100	90	65	0.8	CNM.1204..	SPCN12	SP02	LV02	VT02
H100TPCLNL/R16	100	90	65	1,2	CNM.160612	SPCN16	SP03	LV03	VT03

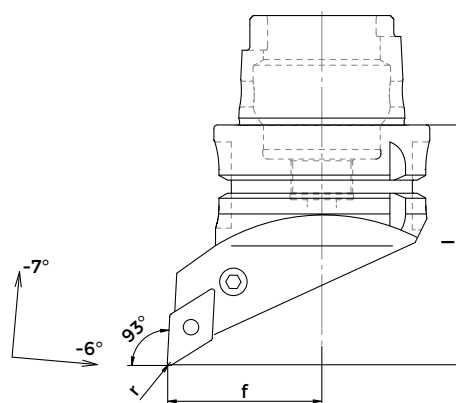
UTENSILI PER TORNITURA ESTERNA CON ATTACCO HSK-T



PDJN

ICTM standard (HSK-T)

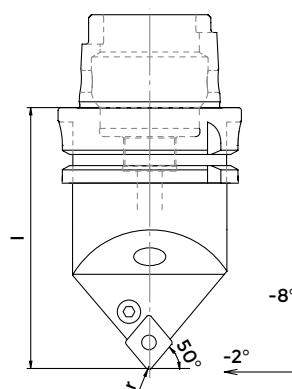
COD.	HSK	l	f	r	INSERTO	SOTTO PLACCHETTA	MOLLA	LEVA	VITE
H63TPDJNL/R15	63	70	45	0.8	DNM.1506..				
H100TPDJNL/R15	100	90,15	66,15	0,8	DNM.1506..	SPDN15	SP02	LV05	VT05



PCMNR

ICTM standard (HSK-T)

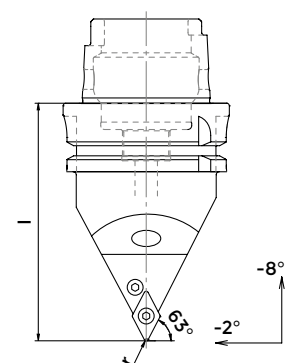
COD.	HSK	l	r	INSERTO	SOTTO PLACCHETTA	MOLLA	LEVA	VITE
H63TPCMNR12-90	63	90	0.8	CN.1204..				
H63TPCMNR12-100	63	100	0.8	CN.1204..	SPCN12	SP02	LV02	VT02
H63TPCMNL/R12-145	63	145	0.8	CN.1204..	SPCN12	SP02	LV02	VT02



PDNNR

ICTM standard (HSK-T)

COD.	HSK	l	r	INSERTO	SOTTO PLACCHETTA	MOLLA	LEVA	VITE
H63TPDNNR15-90	63	90	0.8	DN.1506..				
H63TPDNNR15-100	63	100	0.8	DN.1506..	SPDN15	SP02	LV05	VT05
H63TPDNNR15-145	63	145	0.8	DN.1506..	SPDN15	SP02	LV05	VT05



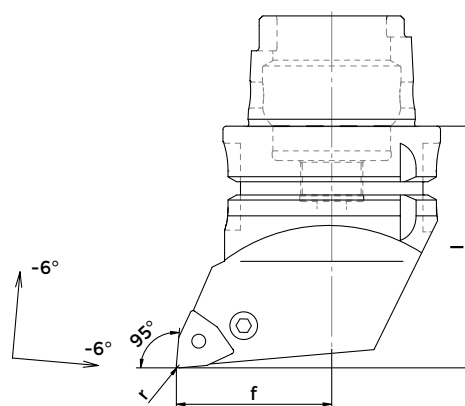
UTENSILI PER TORNITURA ESTERNA CON ATTACCO HSK-T



PWLN

ICTM standard (HSK-T)

COD.	HSK	l	f	r	INSERTO
H63TPWLN/L/R08	63	70	45	0.8	WN..0804..



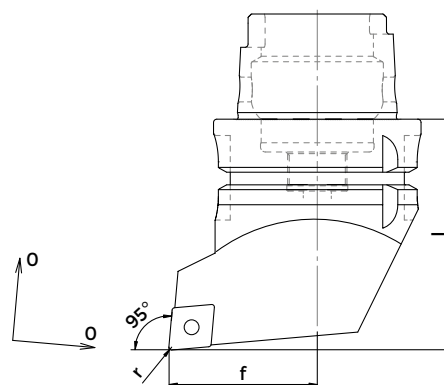
SOTTO PLACCHETTA	MOLLA	LEVA	VITE
			
SPWN08	SP02	LV02	VT02



SCLC

ICTM standard (HSK-T)

COD.	HSK	l	f	r	INSERTO
H63TSCLCL/R12	63	70	45	0.8	CC..1204..



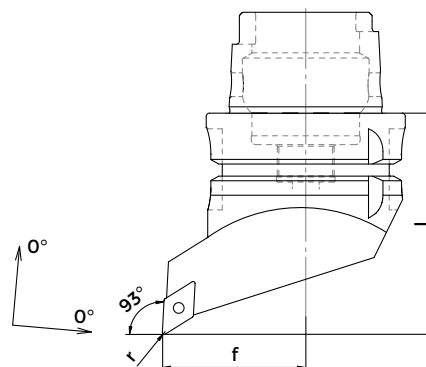
SOTTOPLACCHETTA	BOCCOLA	VITE
		
SPCC12	VTA01	TR4



SDJC

ICTM standard (HSK-T)

COD.	HSK	l	f	r	INSERTO
H63TSDJCL/R11	63	70	45	0.8	DC..11T3..



SOTTOPLACCHETTA	BOCCOLA	VITE
		
SPDC11	VTA02	TR8

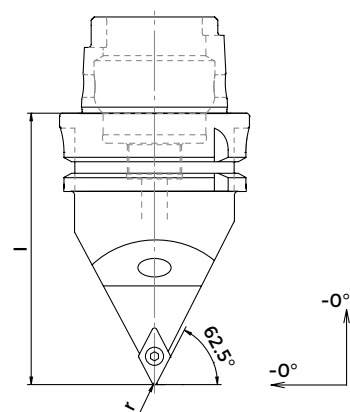
UTENSILI PER TORNITURA ESTERNA CON ATTACCO HSK-T



SDNCN

ICTM standard (HSK-T)

COD.	HSK	l	r	INSERTO
H63TSDNCN11-145	63	145	0.8	DC..11T3..



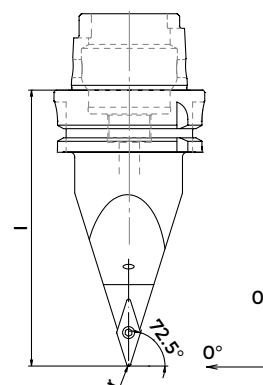
SOTTOPLACCHETTA	BOCCOLA	VITE
		
SPDC11	VTA02	TR8



SVVCN

ICTM standard (HSK-T)

COD.	HSK	l	r	INSERTO
H63TSVVCN16-90	63	90	0.8	VC..1604..
H63TSVVCN16-145	63	145	0.8	VC..1604..



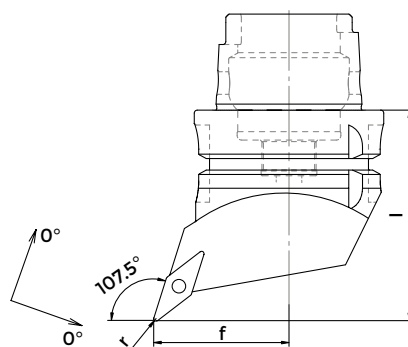
SOTTOPLACCHETTA	BOCCOLA	VITE
		
SPVC16	VTA02	TR8
SPVC16	VTA02	TR8



SVHC

ICTM standard (HSK-T)

COD.	HSK	l	f	r	INSERTO
H63TSVHCL/R16	63	70	45	0.8	VC..1604..



SOTTOPLACCHETTA	BOCCOLA	VITE
		
SPVC16	VTA02	TR8

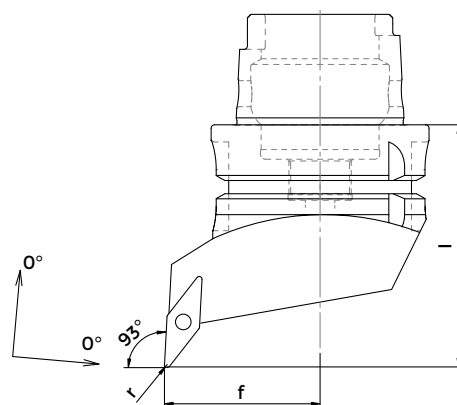
UTENSILI PER TORNITURA ESTERNA CON ATTACCO HSK-T



SVJC

ICTM standard (HSK-T)

COD.	HSK	l	f	r	INSERTO
H63TSVJCL/R16	63	75	45	0.8	VC..1604..
H100TSVJCL/R16	100	90,15	66,15	0,8	VC..1604..



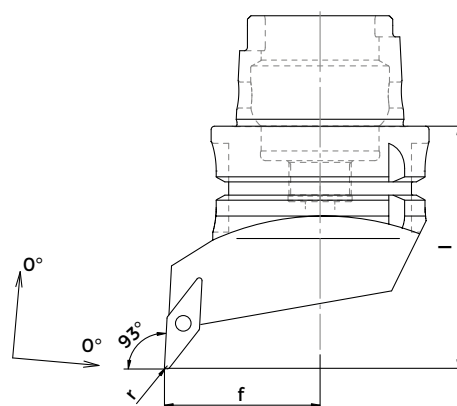
SOTTOPLACCHETTA	BOCCOLA	VITE
		
SPVC16	VTA02	TR8
SPVC16	VTA02	TR8



SVJB

ICTM standard (HSK-T)

COD.	HSK	l	f	r	INSERTO
H63TSVJBL/R16	63	75	45	0.8	VB..1604..



SOTTOPLACCHETTA	BOCCOLA	VITE
		
SPVC16	VTA02	TR8

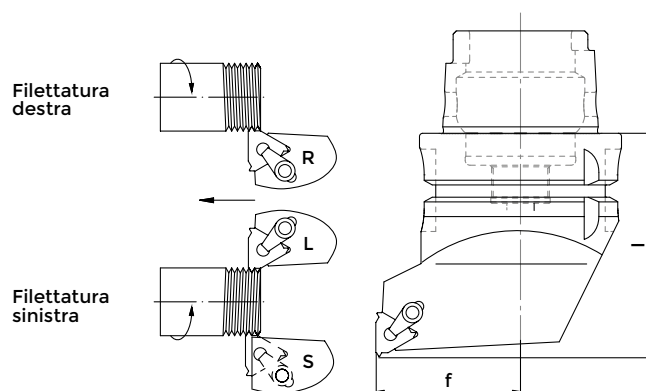
UTENSILI CON ATTACCO HSK-T PER FILETTATURA ESTERNA



THE

ICTM standard (HSK-T)

COD.	HSK	l	f	r
H63TTHEL16	63	70	45	16EL
H63TTHER16	63	70	45	16ER



SOTTOPLACCHETTA	VITE	LEVA
		
SPTF16	VT27	SETK51
SPTF16	VT27	SETK51

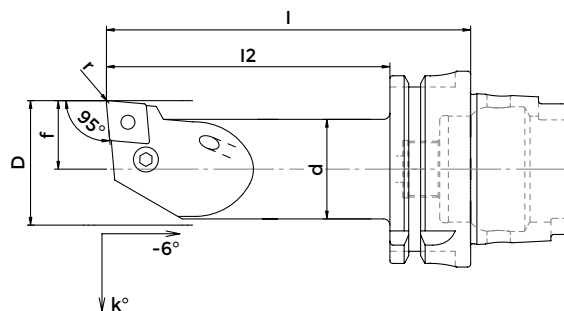
UTENSILI PER TORNITURA INTERNA CON ATTACCO HSK-T



PCLN

ICTM standard (HSK-T)

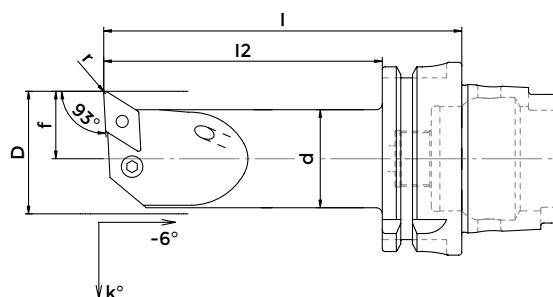
COD.	HSK	d	l	l2	f	k°	D	r	INSERTO	SOTTO PLACCHETTA	MOLLA	LEVA	VITE
H63T25PCLNL/R12	63	25	100	74	17	-12	32	0.8	CNM.1204..	-	-	LV02	VT11
H63T32PCLNL/R12	63	32	120	94	22	-10	40	0.8	CNM.1204..	SPCN12	SP02	LV02	VT02
H63T40PCLNL/R12	63	40	140	114	27	-10	50	0.8	CNM.1204..	SPCN12	SP02	LV02	VT02
H100T40PCLNL/R12	100	40	160	131	27	-10	50	0.8	CNM.1204..	SPCN12	SP02	LV02	VT02
H100T50PCLNL/R16	100	50	190	161	35	-8	60	0.8	CNM.1604..	SPCN16	SP03	LV03	VT03



PDUN

ICTM standard (HSK-T)

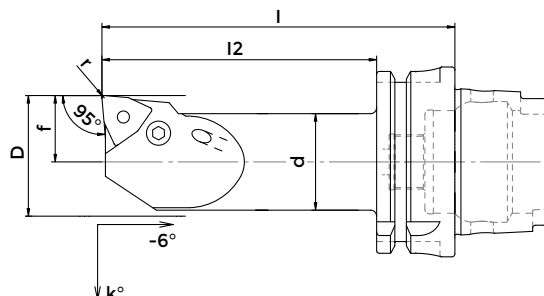
COD.	HSK	d	l	l2	f	k°	D	r	INSERTO	SOTTO PLACCHETTA	MOLLA	LEVA	VITE
H63T32PDUNL/R15	63	32	120	94	22	-15	40	0.8	DN..1506..	SPDN15	SP02	LV05	VT05
H63T40PDUNL/R15	63	40	140	114	27	-12	50	0.8	DN..1506..	SPDN15	SP02	LV05	VT05



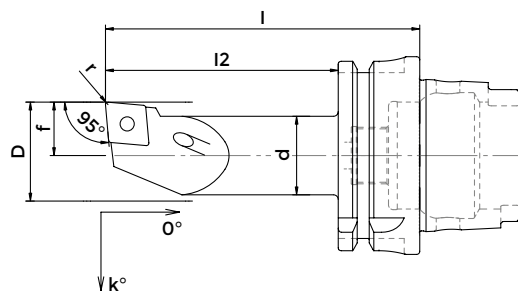
PWLN

ICTM standard (HSK-T)

COD.	HSK	d	l	l2	f	k°	D	r	INSERTO	SOTTO PLACCHETTA	MOLLA	LEVA	VITE
H63T25PWLN/R08	63	25	100	74	17	-12	32	0.8	WN..0804..	-	-	LV02	VT11
H63T32PWLN/R08	63	32	120	94	22	-12	40	0.8	WN..0804..	SPWN08	SP02	LV02	VT02
H63T40PWLN/R08	63	40	140	114	27	-10	50	0.8	WN..0804..	SPWN08	SP02	LV02	VT02



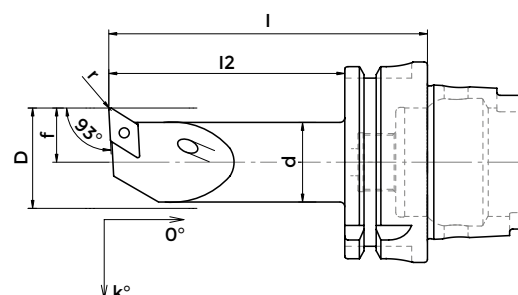
UTENSILI PER TORNITURA INTERNA CON ATTACCO HSK-T



SCLC

ICTM standard (HSK-T)

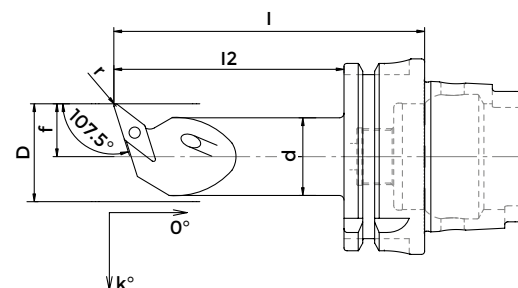
COD.	HSK	d	l	l2	f	k°	D	r	INSERTO	SOTTO PLACCHETTA 	BOCCOLA 	VITE 
H63T20SCLCL/R09	63	20	85	59	13	-8	25	0.8	CC..09T3..	-	-	TR12
H63T25SCLCL/R12	63	25	100	74	17	-5	32	0.8	CC..1204..	-	-	TR13



SDUC

ICTM standard (HSK-T)

COD.	HSK	d	l	l2	f	k°	D	r	INSERTO	SOTTO PLACCHETTA 	BOCCOLA 	VITE 
H63T20SDUCL/R11	63	20	85	59	13	-8	25	0.8	DC..11T3..	-	-	TR12
H63T25SDUCL/R11	63	25	100	74	17	-5	32	0.8	DC..11T3..	-	-	TR14
H63T32SDUCL/R11	63	32	120	94	22	-5	40	0.8	DC..11T3..	SPDC11	VTA02	TR8

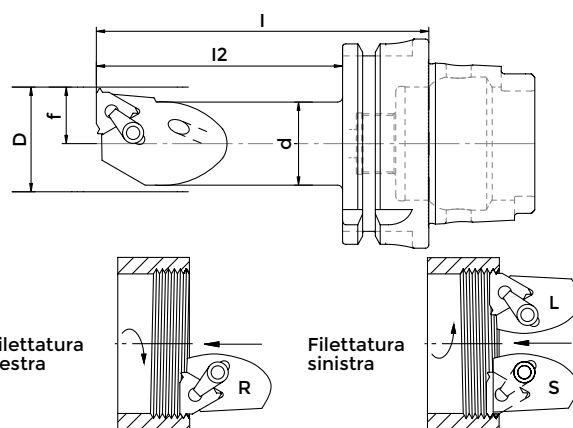


SVQB

ICTM standard (HSK-T)

COD.	HSK	d	l	l2	f	k°	D	r	INSERTO	SOTTO PLACCHETTA 	BOCCOLA 	VITE 
H63T32SVQBL/R16	63	32	120	94	22	-10	40	0.8	VB..1604..	SPVC16	VTA02	TR8
H63T40SVQBL/R16	63	40	140	114	27	-10	50	0.8	VB..1604..	SPVC16	VTA02	TR8
H100T50SVQBL/R16	100	50	190	161	35	-8	60	0.8	VB..1604..	SPVC16	VTA02	TR8

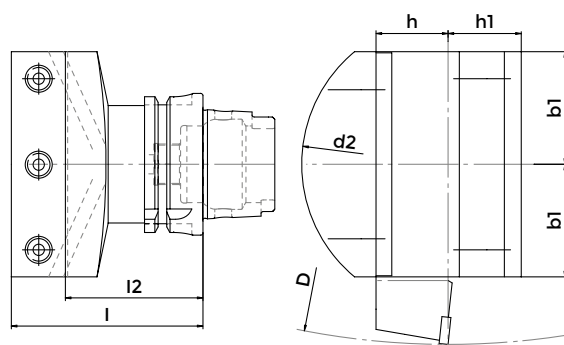
UTENSILI PER FILETTATURA INTERNA CON ATTACCO HSK-T



THE ICTM standard (HSK-T)

COD.	HSK	d	l	l2	f	D	INSERTO	SOTTO PLACCHETTA	VITE	LEVA
H63T20THEL16	63	20	85	59	14	25	16L			
H63T20THER16	63	20	85	59	14	25	16R	SPTF16	VT27	SETK51

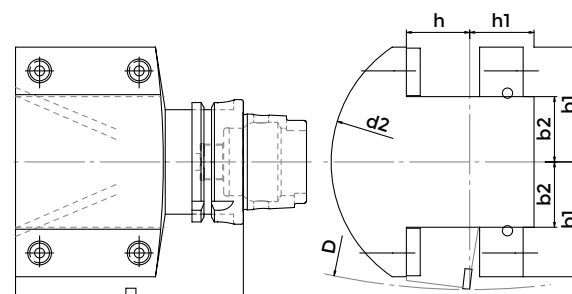
PORTAUTENSILE RADIALE



DIN 69893 T ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	d2	D	b1	h	h1	l	l2
141-11408	H63TRAD32/25	63	130	340	50	32/25	32,5	85	50
141-11609	H100TRAD32/32	100	135	340	52,5	32	32,5	97	65

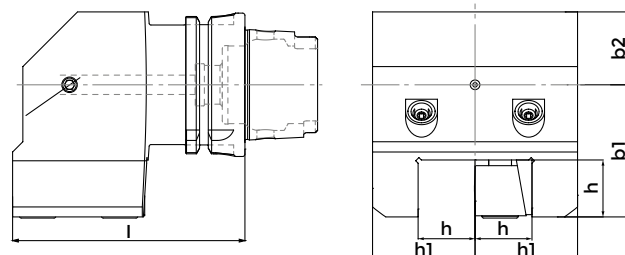
PORTAUTENSILE ASSIALE



DIN 69893 T ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	d2	D	b1	b2	h	h1	l
142-11405	H63TAX25/32	63	110	305	40	15	32/25	26,5	120

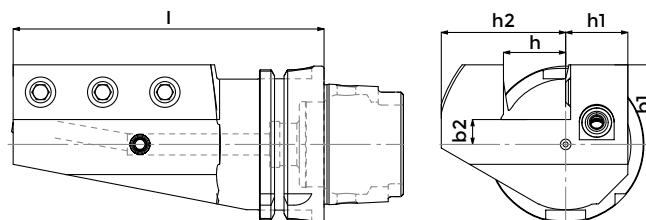
PORTAUTENSILE ASSIALE



DIN 69893 T

ICTM standard (HSK-T)

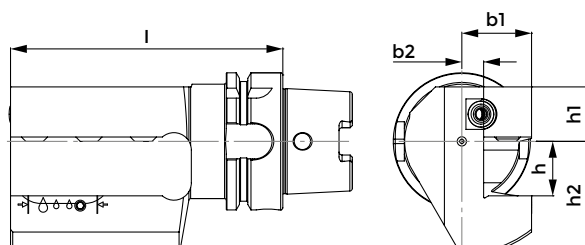
COD.	DESCRIZIONE	HSK	b1	b2	h	h1	l
142-11402	H63TAD25R	63	58	32	25	45	102



DIN 69893 T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	b1	b2	h	h1	h2	l
142-21401	H63TA25L	63	32	10	25	25	50	125
142-11403	H63TA25R	63	32	10	25	25	50	125
142-21604	HSK100TSL25X25	100	55	33	25	30	55	160
142-11603	HSK100TSR25X25	100	55	33	25	30	55	160
142-21603	HSK100TSL32X32	100	53	25	32	30	62	189
142-11604	HSK100TSR32X32	100	53	25	32	30	62	189



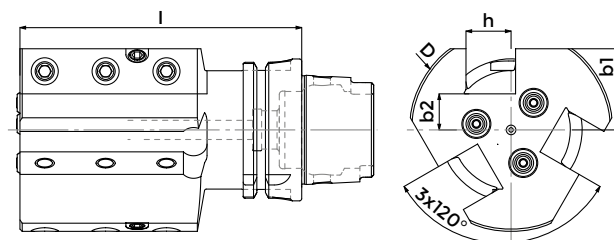
DIN 69893 - HSK63T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	b1	b2	h	h1	h2	l
142-21401-IC	H63TA25L-IC	63	32	10	25	25	50	125
142-11403-IC	H63TA25R-IC	63	32	10	25	25	50	125

nota: con passaggio refrigerante dall'utensile

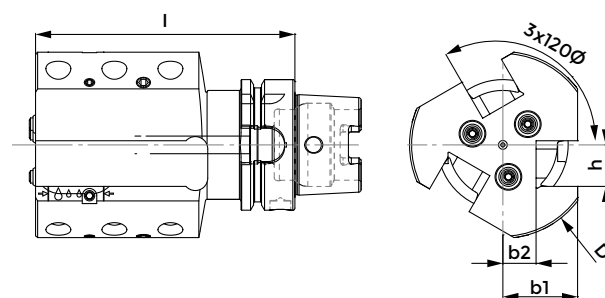
PORTAUTENSILE ASSIALE



DIN 69893 T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	D	b1	b2	h	l
142-21402	H63TAT20L	63	90	36	16	20	125
142-11404	H63TAT20R	63	90	36	16	20	125

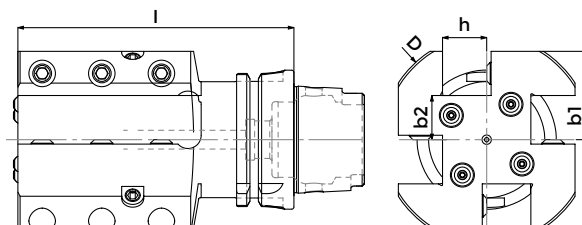


DIN 69893 - HSK63T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	b1	b2	h	D	l
142-21402-IC	H63TAT20L-IC	63	36	16	20	90	125
142-11404-IC	H63TAT20R-IC	63	36	16	20	90	125

nota: con passaggio refrigerante dall'utensile

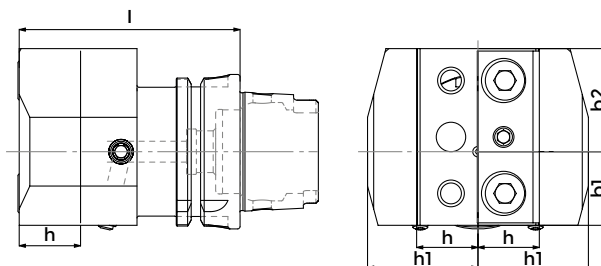


DIN 69893 T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	D	b1	b2	h	l
142-21403	H63TAQ20L	63	95	40	20	20	125
142-21404	H63TAQ20R	63	95	40	20	20	125

PORTAUTENSILE RADIALE

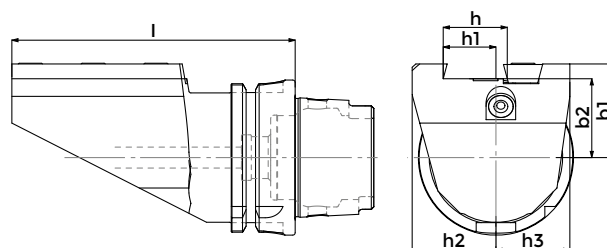


DIN 69893 T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	b1	b2	h	h1	l
141-11406	H63TRD25R	63	30	42	25	45	90
141-11602	H100TRD25R	100	20	65	25	57	146

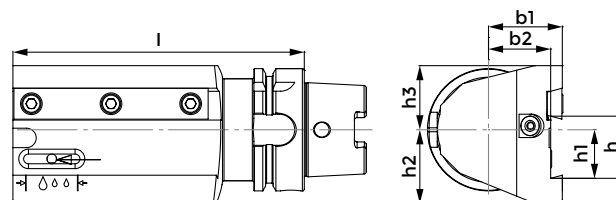
PORTAUTENSILE ASSIALE PER LAMA DA TAGLIO



DIN 69893 T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	b1	b2	h	h1	h2	h3	l
147-51405	H63TSCA26L	63	38	32	26	21.4	34	30	115
147-51406	H63TSCA26R	63	38	32	26	21.4	34	30	115
147-51407	H63TSCA32L	63	38	32	32	25	38	33	150
147-51408	H63TSCA32R	63	38	32	32	25	38	33	150



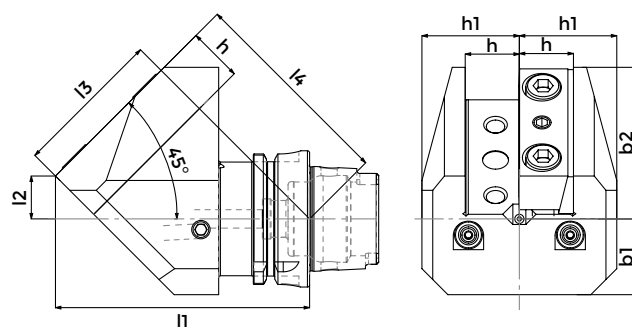
DIN 69893 - HSK63T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	b1	b2	h	h1	h2	h3	l
147-51405-IC	H63TSCA26L-IC	63	38	32	26	21.4	34	30	115
147-51407-IC	H63TSCA32L-IC	63	38	32	32	25	38	33	150
147-51408-IC	H63TSCA32R-IC	63	38	32	32	25	38	33	150

nota: con passaggio refrigerante dall'utensile

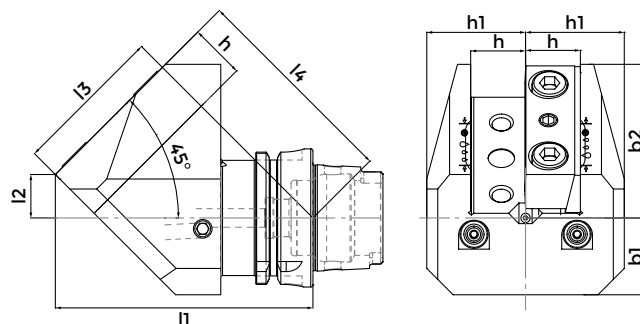
PORTAUTENSILE 45°



DIN 69893 T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	b1	b2	h	h1	l1	l2	l3	l4
141-11405	H63TARD25L	63	35	70	25	45	117.4	19.8	69	97

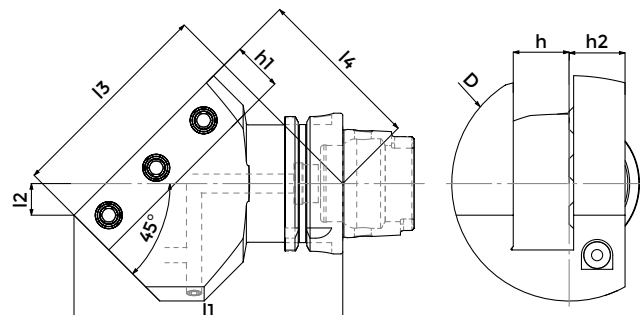


DIN 69893 - HSK63T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	b1	b2	h	h1	l1	l2	l3	l4
141-11405-IC	H63TARD25L-IC	63	35	70	25	45	117.4	19.8	69	97

nota: con passaggio refrigerante dall'utensile

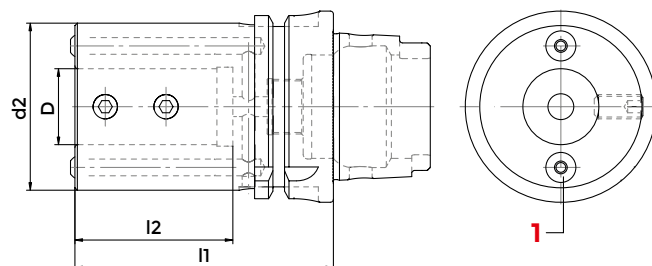


DIN 69893 T

ICTM standard (HSK-T)

COD.	DESCRIZIONE	HSK	D	h	h1	h2	l1	l2	l3	l4
141-11407	H63TAR25L	63	105	25	22	25	120	14.1	95	75
141-21401	H63TAR25R	63	105	25	22	25	120	14.1	95	75
141-11601	H100TAR25L	100	115	25	22	28	172.4	24	139	105

PORTAUTENSILE PER BARENI, ASSIALE



DIN 69893 T

ICTM standard

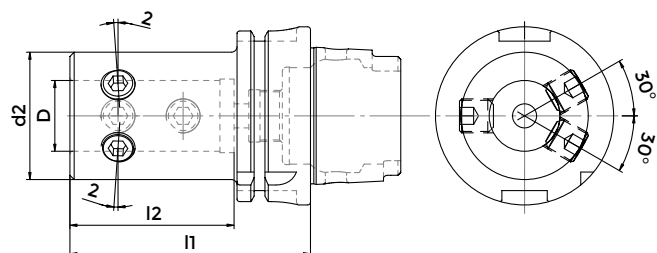
COD.	DESCRIZIONE	HSK	D	d2	l1	l2	1
							UGELLO REFRIGERANTE
							
145-21201	H40TAX-E2x08	40	8	32	60	37	833-001060
145-21202	H40TAX-E2x10	40	10	34	60	37	833-001060
145-21203	H40TAX-E2x12	40	12	36	65	40	833-001060
145-21204	H40TAX-E2x16	40	16	40	70	42	833-001060
145-21205	H40TAX-E2x20	40	20	45	70	42	833-001070
145-21402	H63TAX-E2x08	63	8	32	70	40	833-001070
145-21403	H63TAX-E2x10	63	10	38	75	45	833-001070
145-21404	H63TAX-E2x12	63	12	40	75	45	833-001070
145-21406	H63TAX-E2x16	63	16	45	80	50	833-001070
145-21408	H63TAX-E2x20	63	20	50	80	50	833-001070
145-21409	H63TAX-E2x25	63	25	55	85	52	833-001070
145-21410	H63TAX-E2x32	63	32	72	95	58	833-001070
145-21411	H63TAX-E2x40	63	40	80	120	72	833-001080
145-21606	H100TAX-E2x16	100	16	45	85	50	833-001070
145-21607	H100TAX-E2x20	100	20	50	85	50	833-001070
145-21601	H100TAX-E2x25	100	25	55	85	48	833-001070
145-21602	H100TAX-E2x32	100	32	72	95	58	833-001080
145-21603	H100TAX-E2x40	100	40	80	110	73	833-001080
145-21604	H100TAX-E2x50	100	50	90	120	82	833-001080

ACCESSORI



p. 671

PORTAUTENSILE PER PUNTE AD INSERTI CON PASSAGGIO REFRIGERANTE INTERNO, ASSIALE

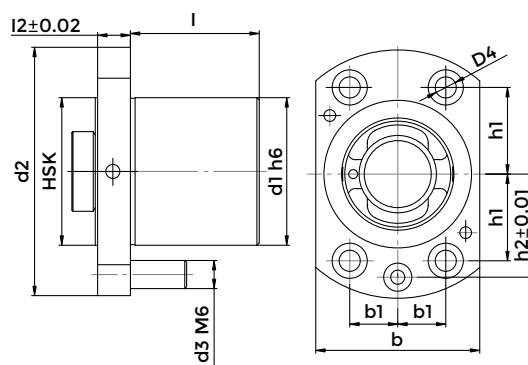


DIN 69893 T

ICTM standard

COD.	DESCRIZIONE	HSK	d	d2	l1	l2
145-11406	H63TAX-E1x16	63	16	36	80	54
145-11408	H63TAX-E1x20	63	20	40	80	54
145-11409	H63TAX-E1x25	63	25	45	85	59
145-11410	H63TAX-E1x32	63	32	52	90	63
145-11411	H63TAX-E1x40	63	40	65	105	73

BUSSOLA CON ATTACCO HSK

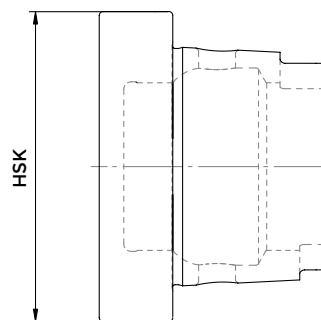


DIN 69893 A+C

ICTM standard

COD.	HSK	d1	d2	d3	D4	l	l2	b	b1	h1	h2
H40TBSL	40	40	68	8	10	33	12	45	13,5	23	27
H63TBSL	63	63	106	12	9	55	15	70	20,5	37	44
H100TBSL	100	90	142	12	18	88	24	105	37	47	60

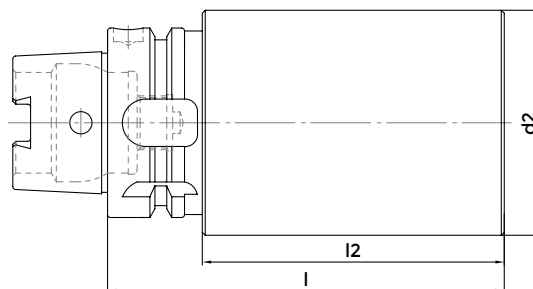
TAPPO DI PROTEZIONE



DIN 69893 A+C

COD.	HSK
H32ATP	32
H40ATP	40
H50ATP	50
H63ATP	63
H100ATP	100

SEMILAVORATI PER UTENSILI SPECIALI



DIN 69893 T

ICTM standard

COD.	HSK	d2	l	l2
H63T080190SML	63	80	190	158
H63T130095SML	63	130	95	63
HSK100TH100D135	100	135	100	54
HSK100TH305D99	100	99	305	259
HSK100TH220D100	100	100	220	174
HSK100TH189D135	100	135	189	143



READY, ALWAYS.