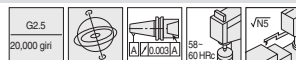
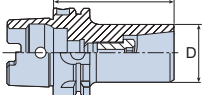


HSK

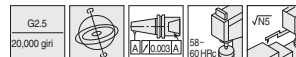
T-CLICK

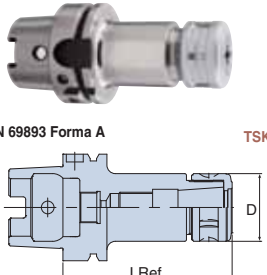


DIN 69893 Forma A	DIN 6499 T-CLICK	Descrizione	Dimensioni (mm)	
			L	D
		HSK A 63 ER 32 CLICK-IN	85	41

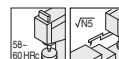
• Coppia di serraggio: 24kg x 1m

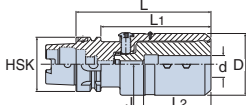
Mandrino pinza TSK New



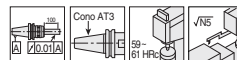
DIN 69893 Forma A	TSK	Descrizione	Gamma pinza	L	D	Pinza	Ghiera	Chiave
		HSK A 50 TSK 6-80	1.0 - 6.0	80	19.5	TSK 6	TSN 6	TSKS 6
		HSK A 50 TSK 10-90	2.0 - 10.0	90	27.5	TSK 10	TSN 10	TSKS 10
		HSK A 50 TSK 16-100	3.0 - 16.0	100	40	TSK 16	TSN 16	TSKS 16
		HSK A 63 TSK 6-80	1.0 - 6.0	80	19.5	TSK 6	TSN 6	TSKS 6
		HSK A 63 TSK 10-90	2.0 - 10.0	90	27.5	TSK 10	TSN 10	TSKS 10
		HSK A 63 TSK 16-100	3.0 - 16.0	100	40	TSK 16	TSN 16	TSKS 16
		HSK A 63 TSK 25-120	8.0 - 25.4	120	55	TSK 25	TSN 25	TSKS 25
		HSK A 100 TSK 6-80	1.0 - 6.0	80	19.5	TSK 6	TSN 6	TSKS 6
		HSK A 100 TSK 10-90	2.0 - 10.0	90	27.5	TSK 10	TSN 10	TSKS 10
		HSK A 100 TSK 16-100	3.0 - 16.0	100	40	TSK 16	TSN 16	TSKS 16
		HSK A 100 TSK 25-120	8.0 - 25.4	120	55	TSK 25	TSN 25	TSKS 25

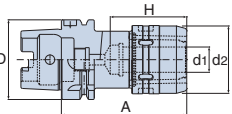
FITBORE



DIN 69893 Forma A	FITBORE	Descrizione	Dimensioni (mm)					
			d	D	L	L ₁	L ₂	J
		FITBORE HSK A 63 EM20	20	72	142	116	71	M10
		FITBORE HSK A 63 EM25	25	72	142	116	71	M10
		FITBORE HSK A 63 EM32	32	72	142	116	71	M10
		FITBORE HSK A 63 EM40	40	72	142	116	71	M10

Mandrino forte serraggio



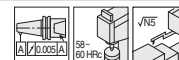
DIN 69893 Forma A	Mandrino forte serraggio	Descrizione	Dimensioni (mm)				
			D	d ₁	d ₂	A	H
		HSK A 63 TMC 20-105	63	20	54	105	60
		HSK A 63 TMC 25-120	63	25	62.5	120	70
		HSK A 63 TMC 32-130	63	32	74	130	80
		HSK A 100 TMC 20-110	100	20	54	110	60
		HSK A 100 TMC 25-130	100	25	62.5	130	70
		HSK A 100 TMC 32-135	100	32	74	135	80
		HSK A 100 TMC 42-135	100	42	92	135	90



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità. Se non disponibile a magazzino verrà applicata una MOQ (Quantità Minima Ordine).

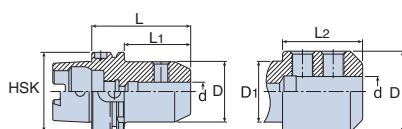
HSK

Mandrino Weldon



DIN 69893 Forma A

DIN 6359/DIN 1835 Forma B

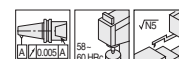


For $d \leq 20$

For $d \geq 25$

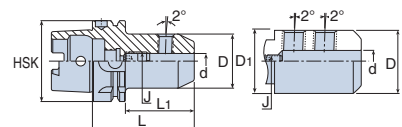
Descrizione	Dimensioni (mm)				
	d	L	L1	D	D1
HSK A 50 EM 6 X 65	6	65	39	25	-
HSK A 50 EM 8 X 65	8	65	39	28	-
HSK A 50 EM 10 X 65	10	65	39	35	-
HSK A 50 EM 12 X 80	12	80	54	42	41.8
HSK A 50 EM 14 X 80	14	80	54	44	41.8
HSK A 50 EM 16 X 80	16	80	54	48	41.8
HSK A 50 EM 18 X 80	18	80	54	50	41.8
HSK A 50 EM 20 X 80	20	80	54	52	41.8
HSK A 63 EM 6 X 65	6	65	39	25	-
HSK A 63 EM 8 X 65	8	65	39	28	-
HSK A 63 EM 10 X 65	10	65	39	35	-
HSK A 63 EM 12 X 80	12	80	54	42	-
HSK A 63 EM 14 X 80	14	80	54	44	-
HSK A 63 EM 16 X 80	16	80	54	48	-
HSK A 63 EM 18 X 80	18	80	54	50	-
HSK A 63 EM 20 X 80	20	80	54	52	-
HSK A 63 EM 25 X 110	25	110	84	65	52
HSK A 63 EM 32 X 110	32	110	84	72	52
HSK A 100 EM 6 X 80	6	80	51	25	-
HSK A 100 EM 8 X 80	8	80	51	28	-
HSK A 100 EM 10 X 80	10	80	51	35	-
HSK A 100 EM 12 X 80	12	80	51	42	-
HSK A 100 EM 14 X 80	14	80	51	44	-
HSK A 100 EM 16 X 100	16	100	71	48	-
HSK A 100 EM 18 X 100	18	100	71	50	-
HSK A 100 EM 20 X 100	20	100	71	52	-
HSK A 100 EM 25 X 100	25	100	71	65	-
HSK A 100 EM 32 X 100	32	100	71	72	-

Mandrino - Whistle Notch



DIN 69893 Forma A

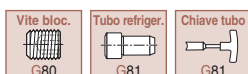
DIN 6355/DIN 1835 Forma E



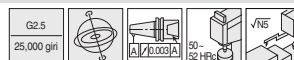
For $d \leq 20$

For $d \geq 25$

Descrizione	Dimensioni (mm)					
	d	L	L1	D	D1	J
HSK A 50 EM 6 X 80E	6	80	54	25	-	M5
HSK A 50 EM 8 X 80E	8	80	54	28	-	M6
HSK A 50 EM 10 X 80E	10	80	54	35	-	M8
HSK A 50 EM 12 X 90E	12	90	64	42	41.8	M10
HSK A 50 EM 14 X 90E	14	90	64	44	41.8	M10
HSK A 50 EM 16 X 90E	16	90	64	48	41.8	M12
HSK A 50 EM 18 X 90E	18	90	64	50	41.8	M12
HSK A 50 EM 20 X 100E	20	100	74	52	41.8	M16
HSK A 63 EM 6 X 80E	6	80	54	25	-	M5
HSK A 63 EM 8 X 80E	8	80	54	28	-	M6
HSK A 63 EM 10 X 80E	10	80	54	35	-	M8
HSK A 63 EM 12 X 90E	12	90	64	42	-	M10
HSK A 63 EM 14 X 90E	14	90	64	44	-	M10
HSK A 63 EM 16 X 100E	16	100	74	48	-	M12
HSK A 63 EM 18 X 100E	18	100	74	50	-	M12
HSK A 63 EM 20 X 100E	20	100	74	52	-	M16
HSK A 63 EM 25 X 110E	25	110	84	65	52	M16
HSK A 63 EM 32 X 110E	32	110	84	72	52	M20 X 1.5
HSK A 100 EM 6 X 90E	6	90	61	25	-	M5
HSK A 100 EM 8 X 90E	8	90	61	28	-	M6
HSK A 100 EM 10 X 90E	10	90	61	35	-	M8
HSK A 100 EM 12 X 100E	12	100	71	42	-	M10
HSK A 100 EM 14 X 100E	14	100	71	44	-	M10
HSK A 100 EM 16 X 100E	16	100	71	48	-	M12
HSK A 100 EM 18 X 100E	18	100	71	50	-	M12
HSK A 100 EM 20 X 110E	20	110	81	52	-	M16
HSK A 100 EM 25 X 120E	25	120	91	65	-	M20 X 1.5
HSK A 100 EM 32 X 120E	32	120	91	72	-	M20 X 1.5

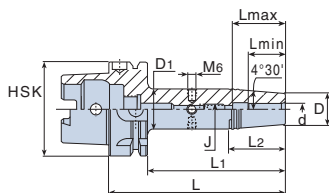


Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

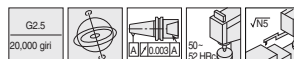


DIN 69893 Forma A

T-SHRINK

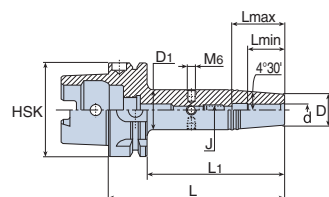


Descrizione	Dimensioni(mm)								
	d	D	D1	L	L1	L2	Lmin	Lmax	J
HSK A 50 SRKIN 6X80	6	21	27	80	54	38	25	36	M5
HSK A 50 SRKIN 8X80	8	21	27	80	54	38	25	36	M6
HSK A 50 SRKIN 10X85	10	24	32	85	59	51	31	42	M8
HSK A 50 SRKIN 12X90	12	24	32	90	64	51	36	47	M10
HSK A 50 SRKIN 14X90	14	27	34	90	64	45	36	47	M10
HSK A 50 SRKIN 16X95	16	27	34	95	69	45	39	50	M10
HSK A 63 SRKIN 6X 80	6	21	27	80	54	38	25	36	M5
HSK A 63 SRKIN 6X120	6	21	27	120	94	38	25	36	M5
HSK A 63 SRKIN 6X160	6	21	27	160	134	38	25	36	M5
HSK A 63 SRKIN 8X 80	8	21	27	80	54	38	25	36	M6
HSK A 63 SRKIN 8X120	8	21	27	120	94	38	25	36	M6
HSK A 63 SRKIN 8X160	8	21	27	160	134	38	25	36	M6
HSK A 63 SRKIN 10X 85	10	24	32	85	54	51	31	42	M8
HSK A 63 SRKIN 10X120	10	24	32	120	94	51	31	2	M8
HSK A 63 SRKIN 10X160	10	24	32	160	134	51	31	42	M8
HSK A 63 SRKIN 12X 90	12	24	32	90	64	51	36	42	M8
HSK A 63 SRKIN 12X120	12	24	32	120	94	51	36	47	M10
HSK A 63 SRKIN 12X160	12	24	32	160	134	51	36	47	M10
HSK A 63 SRKIN 14X 90	14	27	34	90	64	45	36	47	M10
HSK A 63 SRKIN 14X120	14	27	34	120	94	45	36	47	M10
HSK A 63 SRKIN 14X160	14	27	34	160	134	45	36	47	M10
HSK A 63 SRKIN 16X75	16	27	34	75	49	-	39	50	-
HSK A 63 SRKIN 16X 95	16	27	34	95	69	44	39	50	M12
HSK A 63 SRKIN 16X120	16	27	34	120	94	44	39	50	M12
HSK A 63 SRKIN 16X160	16	27	34	160	134	44	39	50	M12
HSK A 63 SRKIN 18X 95	18	33	42	95	69	57	39	50	M12
HSK A 63 SRKIN 18X120	18	33	42	120	94	57	39	50	M12
HSK A 63 SRKIN 18X160	18	33	42	160	134	57	39	50	M12
HSK A 63 SRKIN 20X75	20	33	41	75	49	-	41	50	-
HSK A 63 SRKIN 20X100	20	33	42	100	74	57	41	52	M16
HSK A 63 SRKIN 20X120	20	33	42	120	94	57	41	52	M16
HSK A 63 SRKIN 20X160	20	33	42	160	134	57	41	52	M16
HSK A 63 SRKIN 25X85	25	44	53	85	59	-	47	58	-
HSK A 63 SRKIN 25X115	25	44	53	115	89	55	47	58	M16
HSK A 63 SRKIN 32X85	32	44	53	85	59	-	47	58	-
HSK A 63 SRKIN 32X120	32	44	53	120	94	55	47	58	M16



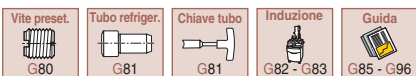
DIN 69893 Forma A

T-SHRINK



Descrizione	Dimensioni(mm)							
	d	D	D1	L	L1	Lmin	Lmax	J
HSK A 100 SRKIN 6 X 85	6	21	27	85	56	25	36	M5
HSK A 100 SRKIN 6 X 120	6	21	27	120	91	25	36	M5
HSK A 100 SRKIN 6 X 160	6	21	27	160	131	25	36	M6
HSK A 100 SRKIN 8 X 85	8	21	27	85	56	25	36	M6
HSK A 100 SRKIN 8 X 120	8	21	27	120	91	25	36	M6
HSK A 100 SRKIN 8 X 160	8	21	27	160	131	25	36	M6
HSK A 100 SRKIN 10 X 90	10	24	32	90	61	31	42	M8
HSK A 100 SRKIN 10 X 120	10	24	32	120	91	31	42	M8
HSK A 100 SRKIN 10 X 160	10	24	32	160	131	31	42	M8
HSK A 100 SRKIN 12 X 95	12	24	32	95	66	36	47	M10
HSK A 100 SRKIN 12 X 120	12	24	32	120	91	36	47	M10
HSK A 100 SRKIN 12 X 160	12	24	32	160	131	36	47	M10
HSK A 100 SRKIN 14 X 95	14	27	34	95	66	36	47	M10
HSK A 100 SRKIN 14 X 120	14	27	34	120	91	36	47	M10
HSK A 100 SRKIN 14 X 160	14	27	34	160	131	36	47	M10
HSK A 100 SRKIN 16 X 100	16	27	34	100	71	39	50	M12
HSK A 100 SRKIN 16 X 120	16	27	34	120	91	39	50	M12
HSK A 100 SRKIN 16 X 160	16	27	34	160	131	39	50	M12
HSK A 100 SRKIN 18 X 100	18	33	42	100	71	39	50	M12
HSK A 100 SRKIN 18 X 160	18	33	42	160	131	39	50	M12
HSK A 100 SRKIN 20 X 105	20	33	42	105	76	41	52	M16
HSK A 100 SRKIN 20 X 160	20	33	42	160	131	41	52	M16
HSK A 100 SRKIN 25 X 115	25	44	53	115	86	47	58	M16
HSK A 100 SRKIN 32 X 120	32	44	53	120	91	47	58	M16

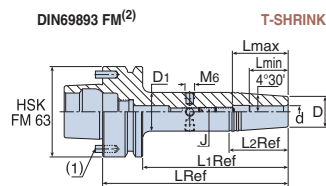
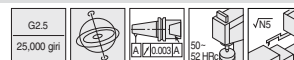
• Usare solo il sistema di calettamento T-SHRINK



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

HSK

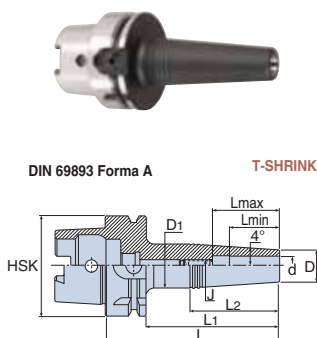
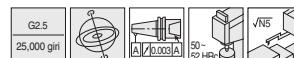
T-SHRINK



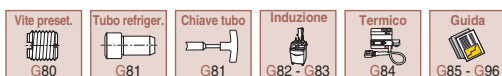
Descrizione	Dimensioni (mm)									
	d	D	D1	L	L1	L2	Lmin	Lmax	J	Chiave
HSK FM 63 SRKIN 6 X 80	6	21	27.0	80	54	38.0	25	36	M5	2.5
HSK FM 63 SRKIN 8 X 80	8	21	37.0	80	54	38.0	25	36	M6	3.0
HSK FM 63 SRKIN 10 X 85	10	24	32.0	85	59	50.5	31	42	M8	4.0
HSK FM 63 SRKIN 12 X 90	12	24	32.0	90	64	50.5	36	47	M10	5.0
HSK FM 63 SRKIN 12 X 90	14	27	34.0	90	64	44.5	36	47	M10	5.0
HSK FM 63 SRKIN 16 X 95	16	27	34.0	95	69	44.5	39	50	M12	6.0
HSK FM 63 SRKIN 18 X 95	18	33	42.0	95	69	57.0	39	50	M12	6.0
HSK FM 63 SRKIN 20 X 100	20	33	42.0	100	74	57.0	41	52	M16	8.0
HSK FM 63 SRKIN 25 X 115	25	44	52.7	115	89	55.0	47	58	M16	8.0
HSK FM 63 SRKIN 32 X 120	32	44	52.7	120	94	55.0	47	58	M16	8.0

- (1) I perni di guida possono essere rimossi per trasformare il mandrino in HSK F 63 standard
- (2) Utilizzare per macchine MAKINO modelli MAG3, MAG4 e V77. Questi mandrini sono sulla base di HSK 63 F con 2 perni di trascinamento per migliorare la coppia

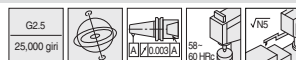
T-SHRINK



Descrizione	Dimensioni (mm)									
	d	D	D1	L	L1	L2	Lmin	Lmax	J	Chiave
HSK A 63 SRK 3 X 50	3	10	17.0	76	50	-	10	16	M6	3
HSK A 63 SRK 3 X 85	3	10	21.0	111	85	79	10	16	M6	3
HSK A 63 SRK 4 X 50	4	10	17.0	76	50	-	12	18	M6	3
HSK A 63 SRK 4 X 85	4	10	21.0	111	85	79	12	18	M6	3
HSK A 63 SRK 5 X 50	5	10	17.0	76	50	-	15	21	M6	3
HSK A 63 SRK 5 X 85	5	10	21.0	111	85	79	15	21	M6	3
HSK A 63 SRK 6 X 50	6	11	18.0	76	50	-	18	24	M8	4
HSK A 63 SRK 6 X 85	6	11	22.0	111	85	79	18	24	M8	4
HSK A 63 SRK 8 X 50	8	14	20.0	76	50	43	25	36	M6	3
HSK A 63 SRK 8 X 85	8	14	23.0	111	85	64	25	36	M6	3
HSK A 63 SRK 10 X 50	10	16	23.0	76	50	-	30	41	M8	4
HSK A 63 SRK 10 X 85	10	16	26.0	111	85	72	30	41	M8	4
HSK A 63 SRK 12 X 50	12	20	27.0	76	50	-	32	43	M8	4
HSK A 63 SRK 12 X 85	12	20	30.0	111	85	72	32	43	M8	4

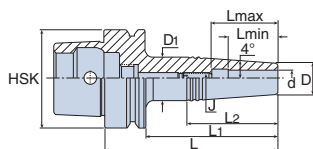


Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

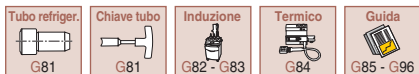


DIN 69893 Forma E

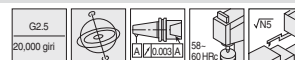
T-SHRINK



Descrizione	Dimensioni (mm)									
	d	D	D1	L	L1	L2	Lmin	Lmax	J	Chiave
HSK E32 SRK 3 X 45	3	10	13	65	45	30	10	16	M4	2.0
HSK E32 SRK 4 X 45	4	10	15	65	45	35	12	18	M4	2.0
HSK E32 SRK 5 X 45	5	10	15	65	45	35	15	25	M4	2.0
HSK E32 SRK 6 X 45	6	11	16	65	45	35	18	28	M4	2.0
HSK E32 SRK 8 X 45	8	14	20	65	45	42	25	35	M4	2.0
HSK E32 SRK 10 X 45	12	16	22	65	45	42	30	40	M4	2.0
HSK E32 SRK 12 X 45	12	20	25	65	45	35.6	32	40	M4	2.0
HSK E40 SRK 3 X 45	3	10	13	65	45	30	10	16	M5	2.5
HSK E40 SRK 3 X 80	3	10	19	100	80	64	10	16	M5	2.5
HSK E40 SRK 4 X 45	4	10	15	65	45	35	12	18	M5	2.5
HSK E40 SRK 4 X 80	4	10	19	100	80	64	12	18	M5	2.5
HSK E40 SRK 5 X 45	5	10	15	65	45	35	15	25	M4	2.0
HSK E40 SRK 5 X 80	5	10	19	100	80	64	15	25	M4	2.0
HSK E40 SRK 6 X 45	6	11	16	65	45	35	18	28	M5	2.5
HSK E40 SRK 6 X 80	6	11	20	100	80	64	18	28	M5	2.5
HSK E40 SRK 8 X 45	8	14	20	65	45	42	25	35	M5	2.5
HSK E40 SRK 8 X 80	8	14	23	100	80	64	25	35	M6	3.0
HSK E40 SRK 10 X 45	10	16	22	65	45	42	30	40	M5	2.5
HSK E40 SRK 10 X 80	10	16	24	100	80	60	30	40	M8	4.0
HSK E40 SRK 12 X 45	12	20	26	65	45	42	32	42	M5	2.5
HSK E40 SRK 12 X 80	12	20	28	100	80	56	32	42	M10	5.0
HSK E50 SRK 3 X 45	3	10	15	71	45	36	10	16	M5	2.5
HSK E50 SRK 3 X 80	3	10	19	106	80	64	10	16	M5	2.5
HSK E50 SRK 4 X 45	4	10	15	71	45	36	12	18	M5	2.5
HSK E50 SRK 4 X 80	4	10	19	106	80	64	12	18	M5	2.5
HSK E50 SRK 5 X 45	5	10	15	71	45	36	15	21	M6	3.0
HSK E50 SRK 5 X 80	5	10	15	106	80	64	15	21	M6	3.0
HSK E50 SRK 6 X 45	6	11	16	71	45	36	18	28	M5	2.5
HSK E50 SRK 6 X 80	6	11	20	106	80	64	18	28	M5	2.5
HSK E50 SRK 8 X 45	8	14	20	71	45	43	25	35	M6	3.0
HSK E50 SRK 8 X 80	8	14	23	106	80	64	25	35	M6	3.0
HSK E50 SRK 10 X 45	10	16	22	71	45	42	30	37	M6	3.0
HSK E50 SRK 10 X 80	10	16	24	106	80	60	30	40	M8	4.0
HSK E50 SRK 12 X 45	12	20	26	71	45	42	32	39	M6	3.0
HSK E50 SRK 12 X 80	12	20	28	106	80	57	32	42	M10	5.0
HSK E 63 SRK 3 X 45	3	10	15	71	45	36	10	16	M6	3
HSK E 63 SRK 3 X 80	3	10	19	106	80	64	10	16	M6	3
HSK E 63 SRK 4 X 45	4	10	15	71	45	36	12	18	M6	3
HSK E 63 SRK 4 X 80	4	10	19	106	80	64	12	18	M6	3
HSK E 63 SRK 5 X 45	5	10	15	71	45	36	15	21	M6	3
HSK E 63 SRK 5 X 80	5	10	19	106	80	64	15	21	M6	3
HSK E 63 SRK 6 X 45	6	11	16	71	45	36	18	24	M8	4
HSK E 63 SRK 6 X 80	6	11	20	106	80	64	18	24	M8	4
HSK E 63 SRK 8 X 45	8	14	20	71	45	43	25	35	M6	3
HSK E 63 SRK 8 X 80	8	14	23	106	80	64	25	35	M6	3
HSK E 63 SRK 10 X 45	10	16	22	71	45	42	30	40	M8	4
HSK E 63 SRK 10 X 80	10	16	24	106	80	60	30	40	M8	4
HSK E 63 SRK 12 X 45	12	20	26	71	45	42	32	42	M8	4
HSK E 63 SRK 12 X 80	12	20	28	106	80	57	32	42	M10	5
HSK E 63 SRK 12 X 90	12	20	28	116	90	57	32	43	M8	4

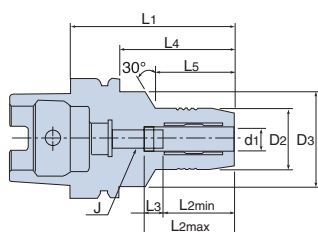


Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).



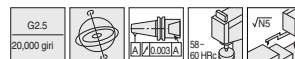
DIN 69893 Forma A

T-HYCHUCK



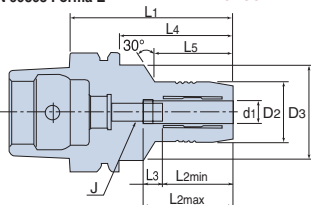
Descrizione	Dimensioni (mm)									
	d1	D2	D3	L1	L2max	L2min	L3	L4	L5	J
HSK A 40 THC 6-70	6	28	34.0	70	37.5	27.5	10	50	28	M5
HSK A 40 THC 8-70	8	30	34.0	70	37.5	27.5	10	50	28	M6
HSK A 40 THC 10-75	10	32	34.0	75	42.5	32.5	10	55	34	M6
HSK A 40 THC 12-80	12	34	34.0	80	47.5	37.5	10	60	60	M6
HSK A 50 THC 6-70	6	28	40.0	70	37.5	27.5	10	44	28	M5
HSK A 50 THC 8-70	8	30	40.0	70	37.5	27.5	10	44	28	M6
HSK A 50 THC 10-75	10	32	40.0	75	42.5	32.5	10	49	34	M8 X 1
HSK A 50 THC 12-80	12	34	40.0	85	47.5	37.5	10	59	39	M10 X 1
HSK A 50 THC 16-90	16	38	53.0	90	52.5	42.5	10	64	30	M10 X 1
HSK A 50 THC 20-90	20	43	60.0	90	52.5	42.5	10	64	29	M10 X 1
HSK A 63 THC 6-70	6	28	50.0	70	37.5	27.5	10	44	24	M5
HSK A 63 THC 8-70	8	30	50.0	70	37.5	27.5	10	44	24	M6
HSK A 63 THC 10-80	10	32	50.0	80	42.5	32.5	10	54	35	M8 X 1
HSK A 63 THC 12-85	12	34	50.0	85	47.5	37.5	10	59	40	M10 X 1
HSK A 63 THC 14-85	14	36	50.0	85	47.5	37.5	10	59	40	M10 X 1
HSK A 63 THC 16-90	16	38	50.0	90	52.5	42.5	10	64	46	M10 X 1
HSK A 63 THC 20-90	20	43	50.0	90	52.5	42.5	10	64	48	M10 X 1
HSK A 63 THC 25-120	25	57	63.0	120	61	51	10	94	59	M16 X 1
HSK A 63 THC 32-125	32	63	75.0	125	65	55	10	99	63	M16 X 1
HSK A 100 THC 6-80 ⁽¹⁾	6	28	50.0	80	37.5	27.5	10	46	29	M5
HSK A 100 THC 8-75 ⁽¹⁾	8	30	50.0	75	37.5	27.5	10	46	26	M6
HSK A 100 THC 10-90 ⁽¹⁾	10	32	50.0	90	42.5	32.5	10	61	42	M8 X 1
HSK A 100 THC 12-95 ⁽¹⁾	12	34	50.0	95	47.5	37.5	10	66	47	M10 X 1
HSK A 100 THC 16-100 ⁽¹⁾	16	38	50.0	100	52.5	42.5	10	71	53	M10 X 1
HSK A 100 THC 18-100 ⁽¹⁾	18	41	50.0	100	52.5	42.5	10	71	53	M10 X 1
HSK A 100 THC 20-105 ⁽¹⁾	20	43	50.0	105	52.5	42.5	10	76	59	M10 X 1
HSK A 100 THC 25-110 ⁽¹⁾	25	57	63.0	110	61	51	10	81	62	M16 X 1
HSK A 100 THC 32-110 ⁽¹⁾	32	63	75.0	110	65	55	10	81	62	M16 X 1

• ⁽¹⁾ Bilanciato G2.5 a 15.000 giri



DIN 69893 Forma E

T-HYCHUCK

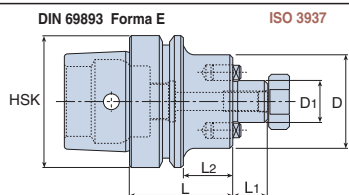
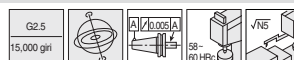


Descrizione	Dimensioni (mm)									
	d1	D2	D3	L1	L2max	L2min	L3	L4	L5	J
HSK E 40 THC 6-70	6	28	34.0	70	37.5	27.5	10	50	28	M5
HSK E 40 THC 8-70	8	30	34.0	70	37.5	27.5	10	50	28	M6
HSK E 40 THC 10-75	10	32	34.0	75	42.5	32.5	10	55	34	M6
HSK E 40 THC 12-80	12	34	34.0	80	47.5	37.5	10	60	-	M6
HSK E 50 THC 6-70	6	28	40.0	70	37.5	27.5	10	44	28	M5
HSK E 50 THC 8-70	8	30	40.0	70	37.5	27.5	10	44	28	M6
HSK E 50 THC 10-75	10	32	40.0	75	42.5	32.5	10	49	34	M8 X 1
HSK E 50 THC 12-80	12	34	40.0	85	47.5	37.5	10	59	44	M10 X 1
HSK E 50 THC 16-90	16	38	53.0	90	52.5	42.5	10	64	30	M10 X 1
HSK E 50 THC 20-90	20	43	60.0	90	52.5	42.5	10	64	29	M10 X 1

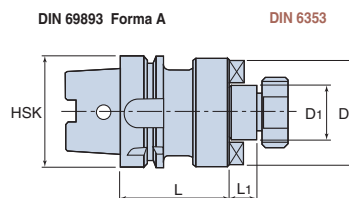


Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

Mandrino per frese a manicotto



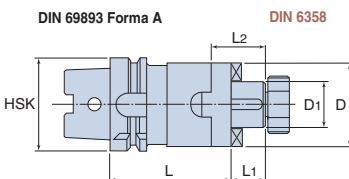
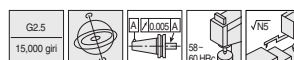
Descrizione	Dimensioni (mm)				
	D1	L	L1	L2	D
HSK E 40 SEM 16 X 50	16	50	17	30	38
HSK E 40 SEM 22 X 50	22	50	19	30	47
HSK E 50 SEM 22 X 60	22	60	19	34	47
HSK E 63 SEM 16 X 50	16	50	17	24	38
HSK E 63 SEM 22 X 50	22	50	19	24	47



Descrizione	Dimensioni (mm)			
	D1	L	L1	D
HSK A 40 SEM 22	22	47	19	50
HSK A 40 SEM 27	27	58	21	55
HSK A 50 SEM 16 X 50	16	50	17	38
HSK A 50 SEM 22 X 60	22	60	19	47
HSK A 50 SEM 27 X 60	27	60	21	58
HSK A 63 SEM 16 X 50	16	50	17	38
HSK A 63 SEM 22 X 50	22	50	19	47
HSK A 63 SEM 27 X 60	27	60	21	58
HSK A 63 SEM 32 X 60	32	60	24	66
HSK A 63 SEM 40 X 60	40	60	27	82
HSK A 100 SEM 22 X 50 ⁽¹⁾	22	50	19	47
HSK A 100 SEM 27 X 50 ⁽¹⁾	27	50	21	58
HSK A 100 SEM 32 X 50 ⁽¹⁾	32	50	24	66
HSK A 100 SEM 40 X 60 ⁽¹⁾	40	60	27	82
HSK A 100 SEM 50 X 70 ⁽¹⁾	50	70	30	95
HSK A 100 SEM 60 X 70 ⁽¹⁾	60	70	40	128
HSK A 100 FM 60 X 70	60	70	40	128

- Chiave non inclusa
- ⁽¹⁾ Bilanciato G6.3 a 12.000 giri

Mandrino combinato per frese a manicotto



Descrizione	Dimensioni (mm)				
	D1	L	L1	L2	D
HSK A 50 SEMC 16 X 50	16	50	17	27	32
HSK A 50 SEMC 22 X 50	22	50	19	31	40
HSK A 50 SEMC 27 X 65	27	65	21	33	48
HSK A 50 SEMC 32 X 65	32	65	24	38	58
HSK A 63 SEMC 16 X 60	16	60	17	21	32
HSK A 63 SEMC 22 X 60	22	60	19	31	40
HSK A 63 SEMC 27 X 60	27	60	21	33	48
HSK A 63 SEMC 32 X 60	32	60	24	38	58
HSK A 63 SEMC 40 X 70	40	70	27	41	70
HSK A 100 SEMC 16 X 60 ⁽¹⁾	16	60	17	27	32
HSK A 100 SEMC 22 X 60 ⁽¹⁾	22	60	19	31	40
HSK A 100 SEMC 27 X 60 ⁽¹⁾	27	60	21	33	48
HSK A 100 SEMC 32 X 60 ⁽¹⁾	32	60	24	38	58
HSK A 100 SEMC 40 X 70 ⁽¹⁾	40	70	27	41	70
HSK A 100 SEMC 50 X 80 ⁽¹⁾	50	80	30	46	90

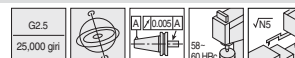
- Chiave non inclusa
- ⁽¹⁾ Bilanciato G6.3 a 12.000 giri



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

HSK

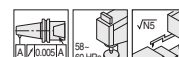
Mandrino per frese a manicotto- HSK - Alta coppia



DIN69893 Forma FM ⁽²⁾ ISO 3937	Descrizione	Dimensioni (mm)			
		D ₁	L	D	L ₁
	HSK FM 63 SEM 22 X 60	22	60	47	19
	HSK FM 63 SEM 27 X 60	27	60	58	21
	HSK FM 63 SEM 32 X 60	32	60	66	24

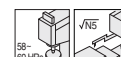
- (1) I perni di guida possono essere rimossi per trasformare il mandrino in HSK F 63 standard
- (2) Utilizzati per macchine MAKINO modello MAG3, MAG4 and V77. Questi mandrini sono sulla base di HSK 63 F con 2 perni di trascinamento per migliorare la coppia

Mandrino con morse punte



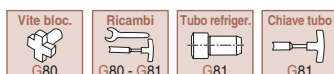
	Descrizione	Dimensioni (mm)			
		K	L	D	L ₁
	HSK A 50 MT1 X 100	MT1	100	25	74
	HSK A 50 MT2 X 120	MT2	120	32	94
	HSK A 50 MT3 X 140	MT3	140	40	114
	HSK A 63 MT1 X 110	MT1	110	25	84
	HSK A 63 MT2 X 120	MT2	120	32	94
	HSK A 63 MT3 X 140	MT3	140	40	114
	HSK A 63 MT4 X 160	MT4	160	48	134
	HSK A 100 MT1 X 110	MT1	110	25	81
	HSK A 100 MT2 X 120	MT2	120	32	91
	HSK A 100 MT3 X 150	MT3	150	40	121
	HSK A 100 MT4 X 170	MT4	170	48	141
	HSK A 100 MT5 X 200	MT5	200	63	171

Grezzo HSK



	Descrizione	Dimensioni (mm)		
		L	L ₁	D
	HSK A 50 B16MN 100	100	74	53
	HSK A 50 B16MN 200	200	174	53
	HSK A 63 B16MN 100	100	74	63
	HSK A 63 B16MN 200	200	174	63
	HSK A 100 B16MN 100	100	71	102
	HSK A 100 B16MN 200	200	171	102

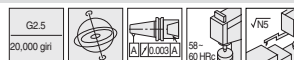
- Materiale: acciaio legato temprato
- Durezza attacco 58 HRC minimo
- Nose hardness 35 ~ 37 HRC



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

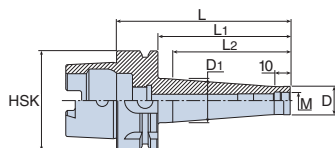
HSK

T-FLEXTEC



DIN 69893 Forma A

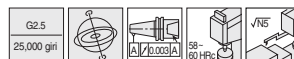
T-FLEXTEC



Descrizione	Dimensioni (mm)					
	M	D	D1	L	L1	L2
HSK A 63 ODP 6 X 59	M6	9.7	10	59	33	25
HSK A 63 ODP 6 X 109	M6	9.8	23	109	83	75
HSK A 63 ODP 8 X 59	M8	13.1	15	59	33	25
HSK A 63 ODP 8 X 109	M8	13.1	23	109	83	75
HSK A 63 ODP 10 X 59	M10	18.0	20	59	33	25
HSK A 63 ODP 10 X 109	M10	18.0	28	109	83	75
HSK A 63 ODP 12 X 59	M12	21.0	24	59	33	25
HSK A 63 ODP 12 X 109	M12	21.0	31	109	83	75
HSK A 63 ODP 16 X 59	M16	29.0	34	59	33	25
HSK A 63 ODP 16 X 109	M16	29.0	34	109	83	75
HSK A 100 ODP 12 X 87 ⁽¹⁾	M12	23.0	30	87	58	50
HSK A 100 ODP 12 X 137 ⁽¹⁾	M12	23.0	30	137	108	100
HSK A 100 ODP 12 X 187 ⁽¹⁾	M12	23.0	40	187	158	150
HSK A 100 ODP 12 X 237 ⁽¹⁾	M12	23.0	46	237	208	200
HSK A 100 ODP 16 X 87 ⁽¹⁾	M16	29.0	31.5	87	58	50
HSK A 100 ODP 16 X 137 ⁽¹⁾	M16	29.0	41.5	137	108	100
HSK A 100 ODP 16 X 187 ⁽¹⁾	M16	29.0	55	187	158	150
HSK A 100 ODP 16 X 237 ⁽¹⁾	M16	29.0	55	237	208	200

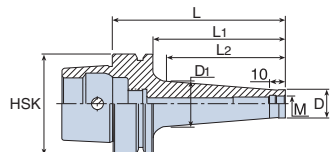
• ⁽¹⁾ Bilanciato G6.3 a 12.000 giri

T-FLEXTEC

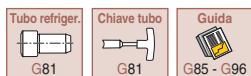


DIN 69893 Forma E

T-FLEXTEC



Descrizione	Dimensioni (mm)					
	M	D	D1	L	L1	L2
HSK E 40 ODP 10 X 53	M10	18	20	53	33	25
HSK E 40 ODP 10 X 103	M10	18	28	103	83	75
HSK E 40 ODP 12 X 53	M12	21	24	53	33	25
HSK E 40 ODP 12 X 103	M12	21	31	103	83	75
HSK E 50 ODP 10 X 59	M10	18	20	59	33	25
HSK E 50 ODP 10 X 109	M10	18	28	109	83	75
HSK E 50 ODP 12 X 59	M12	21	24	59	33	25
HSK E 50 ODP 12 X 109	M12	21	31	109	83	75
HSK E 50 ODP 16 X 59	M16	29	34	59	33	25
HSK E 50 ODP 16 X 109	M16	29	34	109	83	75
HSK E 63 ODP 10 X 59	M10	18	20	59	33	25
HSK E 63 ODP 10 X 109	M10	18	28	109	83	75
HSK E 63 ODP 12 X 59	M12	21	24	59	33	25
HSK E 63 ODP 12 X 109	M12	21	31	109	83	75
HSK E 63 ODP 16 X 59	M16	29	34	59	33	25
HSK E 63 ODP 16 X 109	M16	29	34	109	83	75



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

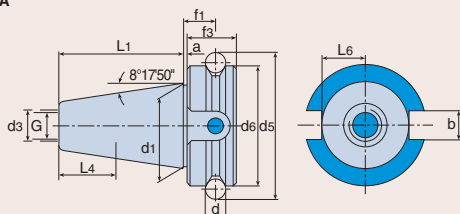
BT MAS



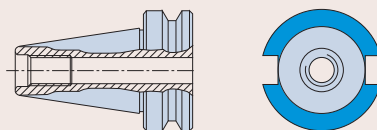
BT MAS

Utensile Standard - BT MAS 403

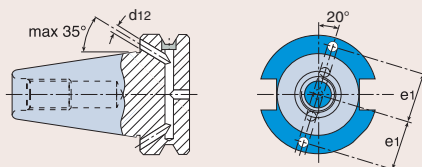
Tipo "A"



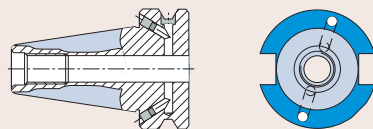
Tipo "AD"
Passaggio
refrigerante
interno



Tipo "B"

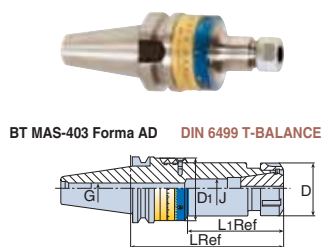
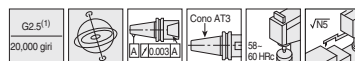


Tipo "ADB"
Passaggio refrigerante interno o
attraverso la Flangia



Gambo	a	b (H12)	d	d ₁	G	d ₃ (H8)	d ₅	d ₆ (H8)	f ₁ ±0.1	f ₃	L ₁ ±0.2	L ₄ MIN	L ₆ -0.2	e ₁ ±0.1	d ₁₂	CONO AT3
30	2	16.1	8	31.75	M12	12.5	56.144	46	13.6	20	48.4	24	16.3	21	4	0.002
40	2	16.1	10	44.45	M16	17.0	75.679	63	16.6	25	65.4	30	22.6	27	4	0.003
50	3	25.7	15	69.85	M24	25.0	119.020	100	23.2	35	101.8	45	35.4	42	6	0.004

T-BALANCE



BT MAS-403 Forma AD DIN 6499 T-BALANCE

Descrizione	Dimensioni (mm)					
	L	L ₁	D	D ₁	G	J
BT40 ER 16 X 100 BIN	100	44	28	44	M16	M10
BT40 ER 16 X 150 BIN	150	78.7	28	44	M16	M10
BT40 ER 20 X 100 BIN	100	44.6	34	44	M16	M12
BT40 ER 20 X 150 BIN	150	79.6	34	44	M16	M12
BT40 ER 25 X 100 BIN	100	43	42	44	M16	M16
BT40 ER 25 X 150 BIN	150	79	42	44	M16	M16
BT40 ER 32 X 100 BIN	100	44	50	60	M16	M22 X 1.5
BT40 ER 32 X 150 BIN	150	94	50	60	M16	M22 X 1.5
BT40 ER 40 X 100 BIN	100	44	63	60	M16	M28 X 1.5

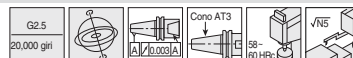
• (1) Valore del presettaggio di bilanciamento



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

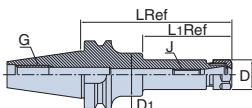
BT MAS

Mandrino Pinza ER



BT MAS-403 Forma AD

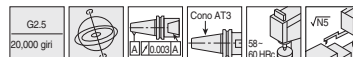
DIN 6499



Descrizione	Gamma	Dimensioni (mm)					
		L	L1	D	D1	G	J
BT30 ER 16 X 70 ⁽¹⁾	0.5 - 10	70	-	28	-	M12	M10
BT30 ER 16 X 100 ⁽¹⁾	0.5 - 10	100	-	28	-	M12	M10
BT30 ER 20 X 70 ⁽¹⁾	1 - 13	70	-	34	-	M12	M12
BT40 ER 16 X 70	0.5 - 10	70	-	28	-	M16	M12
BT40 ER 16 X 100	0.5 - 10	100	-	28	-	M16	M12
BT40 ER 16 X 150 ⁽¹⁾	0.5 - 10	150	85	28	40	M16	M12
BT40 ER 16 X 200 ⁽¹⁾	0.5 - 10	200	85	28	40	M16	M10
BT40 ER 20 X 70	1 - 13	70	-	34	-	M16	M12
BT40 ER 20 X 100	1 - 13	100	-	34	-	M16	M12
BT40 ER 20 X 120	1 - 13	120	-	34	-	M16	M12
BT40 ER 20 X 150 ⁽¹⁾	1 - 13	150	-	34	-	M16	M12
BT50 ER 16 X 100 ⁽¹⁾	0.5 - 10	100	-	28	-	M24	M12
BT50 ER 16 X 125 ⁽¹⁾	0.5 - 10	125	-	28	-	M24	M12
BT50 ER 16 X 150 ⁽¹⁾	0.5 - 10	150	-	28	-	M24	M12
BT50 ER 16 X 200 ⁽¹⁾	0.5 - 10	200	85	28	40	M24	M10
BT50 ER 20 X 100 ⁽¹⁾	1 - 13	100	-	34	-	M24	M12
BT50 ER 20 X 125 ⁽¹⁾	1 - 13	125	-	34	-	M24	M12
BT50 ER 20 X 150 ⁽¹⁾	1 - 13	150	-	34	-	M24	M12
BT50 ER 20 X 200 ⁽¹⁾	1 - 13	200	85	34	50	M24	M12

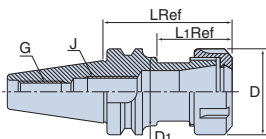
• Opzione B con passaggio refrigerante attraverso la flangia

⁽¹⁾ Bilanciato G6.3 a 12.000 giri



BT MAS-403 Forma AD

DIN 6499



Descrizione	Gamma	Dimensioni (mm)					
		L	L1	D	D1	G	J
BT30 ER 25 X 60 ⁽¹⁾	1 - 16	60	-	42	-	M12	M16
BT30 ER 32 X 60 ⁽¹⁾	2 - 20	60	-	50	-	M12	M18 X 1.5
BT40 ER 25 X 60	1 - 16	60	-	42	-	M16	M16
BT40 ER 25 X 100	1 - 16	100	-	42	-	M16	M16
BT40 ER 25 X 150 ⁽¹⁾	1 - 16	150	-	42	-	M16	M16
BT40 ER 32 X 60	2 - 20	60	-	50	-	M16	M22 X 1.5
BT40 ER 32 X 100	2 - 20	100	-	50	-	M16	M22 X 1.5
BT40 ER 32 X 150 ⁽¹⁾	2 - 20	150	-	50	-	M16	M22 X 1.5
BT40 ER 32 X 200 ⁽¹⁾	2 - 20	200	-	50	-	M16	M22 X 1.5
BT40 ER 40 X 80	3 - 26	80	-	63	-	M16	M28 X 1.5
BT40 ER 40 X 100	3 - 26	100	-	63	-	M16	M28 X 1.5
BT40 ER 40 X 150 ⁽¹⁾	3 - 26	150	-	63	-	M16	M28 X 1.5
BT40 ER 50 X 90	10 - 34	90	-	78	-	M16	M28 X 1.5
BT50 ER 25 X 100 ⁽¹⁾	1 - 16	100	-	42	-	M24	M16
BT50 ER 25 X 150 ⁽¹⁾	1 - 16	150	-	42	-	M24	M16
BT50 ER 25 X 200 ⁽¹⁾	1 - 16	200	87	42	55	M24	M16
BT50 ER 32 X 100 ⁽¹⁾	2 - 20	100	-	50	-	M24	M22 X 1.5
BT50 ER 32 X 125 ⁽¹⁾	2 - 20	125	-	50	-	M24	M22 X 1.5
BT50 ER 32 X 150 ⁽¹⁾	2 - 20	150	-	50	-	M24	M22 X 1.5
BT50 ER 32 X 200 ⁽¹⁾	2 - 20	200	88	50	63	M24	M22 X 1.5
BT50 ER 40 X 100 ⁽¹⁾	3 - 26	100	-	63	-	M24	M28 X 1.5
BT50 ER 40 X 150 ⁽¹⁾	3 - 26	150	-	63	-	M24	M28 X 1.5
BT50 ER 40 X 200 ⁽¹⁾	3 - 26	200	-	63	-	M24	M28 X 1.5
BT50 ER 50 X 100 ⁽¹⁾	10 - 34	100	-	78	-	M24	M36 X 1.5
BT50 ER 50 X 150 ⁽¹⁾	10 - 34	150	-	78	-	M24	M36 X 1.5

• Opzione B con passaggio refrigerante attraverso la flangia

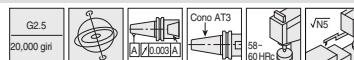
⁽¹⁾ Bilanciato G6.3 a 12.000 giri



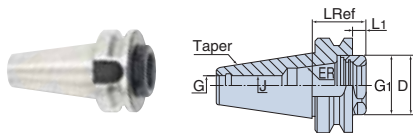
Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

BT MAS

T-SHORT



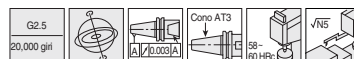
BT MAS-403 Forma AD T-SHORT



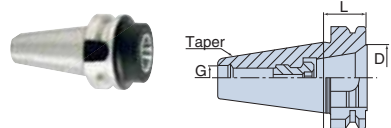
Descrizione	Dimensioni (mm)					
	L	L1	D	J	G1	G
BT30 ER 20 SHORT	27.2	5.2	25	M12	M25X1.5	M12
BT40 ER 32 SHORT	36.5	9.5	40	M12	M40X1.5	M16
BT40 ER 40 SHORT	46.5	9.5	50	M16	M50X1.5	M16
BT50 ER 32 SHORT	47.5	9.5	40	M22X1.5	M40X1.5	M24
BT50 ER 40 SHORT	47.5	9.5	50	M28X1.5	M50X1.5	M24

- Opzione B con passaggio refrigerante attraverso la flangia

T-CLICK



BT MAS-403 Forma AD T-CLICK

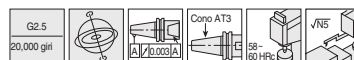


Descrizione	Dimensioni (mm)		
	L	D	G
BT40 ER 32 CLICK-IN	28	41	M16
BT50 ER 32 CLICK-IN	29	41	M24

- Coppia di serraggio: 24kg x m

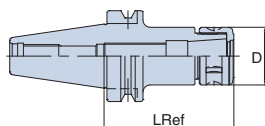
Mandrino pinza TSK

New



BT MAS-403 Forma AD

TSK



Descrizione	Gamma	Dimensioni (mm)				
		L	D	Pinza	Ghiera	Chiave
BT30 TSK 6 - 90 ⁽¹⁾	1.0 - 6.0	90	19.5	TSK 6	TSKN 6	TSKS 6
BT30 TSK 10 - 90 ⁽¹⁾	2.0 - 10.0	90	19.5	TSK 10	TSKN 10	TSKS 10
BT40 TSK 6 - 90	1.0 - 6.0	90	19.5	TSK 6	TSKN 6	TSKS 6
BT40 TSK 6 - 120	1.0 - 6.0	120	19.5	TSK 6	TSKN 6	TSKS 6
BT40 TSK 10 - 90	2.0 - 10.0	90	27.5	TSK 10	TSKN 10	TSKS 10
BT40 TSK 10 - 120	2.0 - 10.0	120	27.5	TSK 10	TSKN 10	TSKS 10
BT40 TSK 16 - 90	3.0 - 16.0	90	40	TSK 16	TSKN 16	TSKS 16
BT40 TSK 16 - 120	3.0 - 16.0	120	40	TSK 16	TSKN 16	TSKS 16
BT40 TSK 25 - 90	8.0 - 25.4	90	55	TSK 25	TSKN 25	TSKS 25
BT40 TSK 25 - 120	8.0 - 25.4	120	55	TSK 25	TSKN 25	TSKS 25
BT50 TSK 6 - 120 ⁽¹⁾	1.0 - 6.0	120	19.5	TSK 6	TSKN 6	TSKS 6
BT50 TSK 6 - 165 ⁽¹⁾	1.0 - 6.0	165	19.5	TSK 6	TSKN 6	TSKS 6
BT50 TSK 6 - 195 ⁽¹⁾	1.0 - 6.0	195	19.5	TSK 6	TSKN 6	TSKS 6
BT50 TSK 10 - 120 ⁽¹⁾	2.0 - 10.0	120	27.5	TSK 10	TSKN 10	TSKS 10
BT50 TSK 10 - 165 ⁽¹⁾	2.0 - 10.0	165	27.5	TSK 10	TSKN 10	TSKS 10
BT50 TSK 10 - 195 ⁽¹⁾	2.0 - 10.0	195	27.5	TSK 10	TSKN 10	TSKS 10
BT50 TSK 16 - 120 ⁽¹⁾	3.0 - 16.0	120	40	TSK 16	TSKN 16	TSKS 16
BT50 TSK 16 - 165 ⁽¹⁾	3.0 - 16.0	165	40	TSK 16	TSKN 16	TSKS 16
BT50 TSK 16 - 195 ⁽¹⁾	3.0 - 16.0	195	40	TSK 16	TSKN 16	TSKS 16
BT50 TSK 25 - 120 ⁽¹⁾	8.0 - 25.4	120	55	TSK 25	TSKN 25	TSKS 25
BT50 TSK 25 - 165 ⁽¹⁾	8.0 - 25.4	165	55	TSK 25	TSKN 25	TSKS 25
BT50 TSK 25 - 195 ⁽¹⁾	8.0 - 25.4	195	55	TSK 25	TSKN 25	TSKS 25

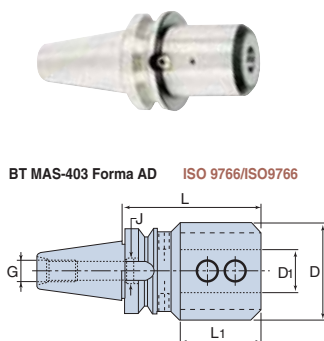
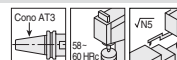
- Opzione B con passaggio refrigerante attraverso la flangia
- ⁽¹⁾ Bilanciato G6.3 a 20.000 giri



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ (Quantità Minima Ordine).

BT MAS

FITBORE

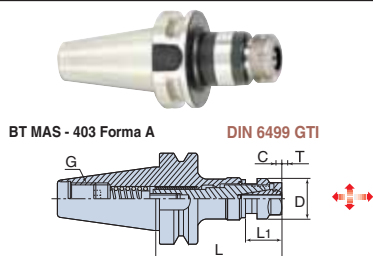
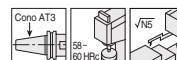


BT MAS-403 Forma AD ISO 9766/ISO9766

Descrizione	Dimensioni (mm)					
	D ₁	L	D	L ₁	J	G
FITBORE BT40 EM 16	16	123.5	72	71	M10	M16
FITBORE BT40 EM 20	20	123.5	72	71	M10	M16
FITBORE BT40 EM 25	25	123.5	72	71	M10	M16
FITBORE BT40 EM 32	32	123.5	72	71	M10	M16
FITBORE BT40 EM 40	40	123.5	72	71	M10	M16
FITBORE BT50 EM 16	16	134.5	72	71	M10	M24
FITBORE BT50 EM 20	20	134.5	72	71	M10	M24
FITBORE BT50 EM 25	25	134.5	72	71	M10	M24
FITBORE BT50 EM 32	32	134.5	72	71	M10	M24
FITBORE BT50 EM 40	40	134.5	72	71	M10	M24

- Opzione B con passaggio refrigerante attraverso la flangia

Maschiatore GTI

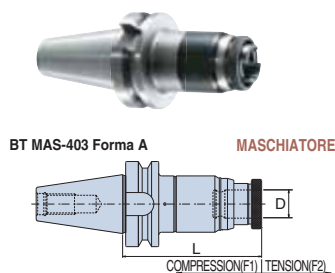
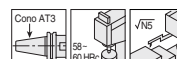


BT MAS - 403 Forma A DIN 6499 GTI

Descrizione	Gamma Maschi	Dimensioni (mm)					
		D	L ₁	L	T	C	G
GTI BT40 ER16	M3 - M10	28	24.6	84.2	8	3	M16
GTI BT40 ER32	M6 - M20	50	33	106.8	9	4	M16
GTI BT40 ER40	M6 - M28	63	51	124.8	9	4	M16
GTI BT50 ER16	M3 - M10	28	24.6	106.8	8	3	M24
GTI BT50 ER32	M6 - M20	50	33	115.2	9	4	M24
GTI BT50 ER40	M6 - M28	63	51	133.2	9	4	M24

- Il refrigerante non dovrebbe essere introdotto nel mandrino per evitare il malfunzionamento del meccanismo

Maschiatore



BT MAS-403 Forma A MASCHIATORE

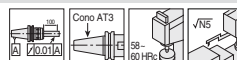
Descrizione	Gamma Maschi	Dimensioni (mm)					
		L	D	F ₁	F ₂	Portamaschi	
BT30 TC12 - 105	M3 - M12	105	19	6.5	12	TA 1	
BT40 TC12 - 110	M3 - M12	110	19	6.5	12	TA 1	
BT40 TC12 - 95	M3 - M12	95	19	6.5	12	TA 1	
BT40 TC22 - 127	M6 - M24	127	31	14.5	13	TA 2	
BT50 TC12 - 125	M3 - M12	125	19	6.5	12	TA 1	
BT50 TC22 - 142	M6 - M24	142	31	14.5	13	TA 2	
BT50 TC38 - 195	M18 - M38	195	48	20	20	TA 3	

Pinza ER G67 - G71	Portamaschi G76	Ghiera G78	Tirante G79	Vite bloc. G80	Chiave G81	Guida G85 - G96
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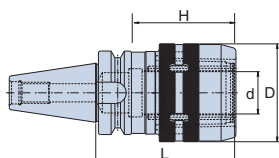
Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

BT MAS

Mandrino forte serraggio



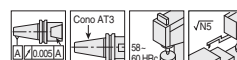
BT MAS-403 Form AD MANDRINO FORTE SERRAGGIO



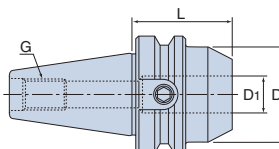
Descrizione	Dimensioni (mm)			
	d	D	L	H
BT30 TMC 20 - 75	20	54	75	60
BT30 TMC 25 - 80	25	62.5	80	70
BT40 TMC 20 - 80	20	54	80	60
BT40 TMC 20 - 105	20	54	105	60
BT40 TMC 25 - 90	25	62.5	90	70
BT40 TMC 25 - 105	25	62.5	105	70
BT40 TMC 32 - 90	32	74	90	80
BT40 TMC 32 - 105	32	74	105	80
BT40 TMC 32 - 135	32	74	135	80
BT50 TMC 20 - 105	20	54	105	60
BT50 TMC 20 - 135	20	54	135	60
BT50 TMC 20 - 165	20	54	165	60
BT50 TMC 25 - 90	25	62.5	90	70
BT50 TMC 25 - 105	25	62.5	105	70
BT50 TMC 25 - 135	25	62.5	135	70
BT50 TMC 25 - 165	25	62.5	165	70
BT50 TMC 32 - 105	32	74	105	80
BT50 TMC 32 - 115	32	74	115	80
BT50 TMC 32 - 135	32	74	135	80
BT50 TMC 32 - 165	32	74	165	80
BT50 TMC 42 - 115	42	92	115	90
BT50 TMC 42 - 135	42	92	135	90
BT50 TMC 42 - 165	42	92	165	90

• Chiave non inclusa

Mandrino Weldon corto



BT MAS-403 Form AD DIN 6359/DIN 1835 Forma B



Descrizione	Dimensioni (mm)			
	D1	L	D	G
BT40 EM 10 X 45	10	45	35	M16
BT40 EM 12 X 45	12	45	42	M16
BT40 EM 14 X 45	14	45	44	M16
BT40 EM 16 X 45	16	45	48	M16
BT40 EM 18 X 45	18	45	50	M16
BT40 EM 20 X 45	20	45	52	M16
BT40 EM 25 X 45	25	45	63	M16

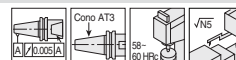
• Opzione B con passaggio refrigerante attraverso la flangia



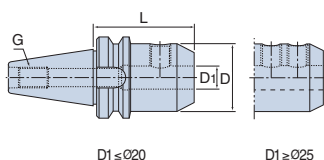
Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

BT MAS

Mandrino Weldon



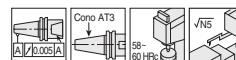
BT MAS-403 Forma AD DIN 6359/DIN 1835 Forma B



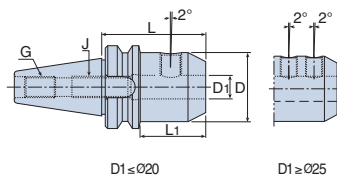
Descrizione	Dimensioni (mm)			
	D ₁	L	D	G
BT30 EM 6 X 50	6	50	25	M12
BT30 EM 8 X 60	8	60	28	M12
BT30 EM 10 X 60	10	60	35	M12
BT30 EM 12 X 60	12	60	42	M12
BT30 EM 14 X 60	14	60	44	M12
BT30 EM 16 X 60	16	60	48	M12
BT30 EM 18 X 60	18	60	50	M12
BT30 EM 20 X 80	20	80	52	M12
BT40 EM 6 X 50	6	50	25	M16
BT40 EM 8 X 50	8	50	28	M16
BT40 EM 10 X 65	10	65	35	M16
BT40 EM 12 X 65	12	65	42	M16
BT40 EM 14 X 65	14	65	44	M16
BT40 EM 16 X 65	16	65	48	M16
BT40 EM 18 X 65	18	65	50	M16
BT40 EM 20 X 75	20	75	52	M16
BT40 EM 25 X 105	25	105	65	M16
BT40 EM 32 X 110	32	110	71	M16
BT50 EM 6 X 70	6	70	25	M24
BT50 EM 8 X 70	8	70	28	M24
BT50 EM 10 X 70	10	70	35	M24
BT50 EM 12 X 100	12	100	42	M24
BT50 EM 14 X 100	14	100	44	M24
BT50 EM 16 X 100	16	100	48	M24
BT50 EM 18 X 100	18	100	50	M24
BT50 EM 20 X 100	20	100	52	M24
BT50 EM 25 X 115	25	115	65	M24
BT50 EM 32 X 115	32	115	72	M24
BT50 EM 40 X 115	40	115	90	M24
BT50 EM 50 X 125	50	125	98	M24

• Opzione B per il passaggio del refrigerante attraverso la flangia

Mandrino - Whistle Notch



BT MAS-403 Forma AD DIN 6359/DIN 1835 Forma E



Descrizione	Dimensioni (mm)					
	D ₁	L	L ₁	D	J	G
BT40 EM 6 X 50E	6	50	23	25	M5	M16
BT40 EM 8 X 50E	8	50	23	28	M6	M16
BT40 EM 10 X 65E	10	65	38	35	M8	M16
BT40 EM 12 X 65E	12	65	38	42	M10	M16
BT40 EM 14 X 65E	14	65	38	44	M12	M16
BT40 EM 16 X 65E	16	65	38	48	M12	M16
BT40 EM 18 X 65E	18	65	38	50	M12	M16
BT40 EM 20 X 75E	20	75	48	52	M16	M16
BT40 EM 25 X 105E	25	105	73	65	M18X1.5	M16
BT40 EM 32 X 110E	32	110	83	71	M20X1.5	M16
BT50 EM 6 X 70E	6	70	32	25	M5	M24
BT50 EM 8 X 70E	8	70	32	28	M6	M24
BT50 EM 10 X 70E	10	70	32	35	M8	M24
BT50 EM 12 X 100E	12	100	62	42	M10	M24
BT50 EM 14 X 100E	14	100	62	44	M10	M24
BT50 EM 16 X 100E	16	100	62	48	M12	M24
BT50 EM 18 X 100E	18	100	62	50	M12	M24
BT50 EM 20 X 100E	20	100	62	52	M16	M24
BT50 EM 25 X 115E	25	115	77	65	M20X1.5	M24
BT50 EM 32 X 115E	32	115	77	72	M20X1.5	M24
BT50 EM 40 X 115E	40	115	77	90	M20X1.5	M24
BT50 EM 50 X 125E	50	125	67	98	M20X1.5	M24

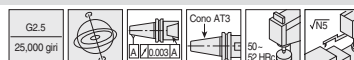
• Opzione B per il passaggio del refrigerante attraverso la flangia



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

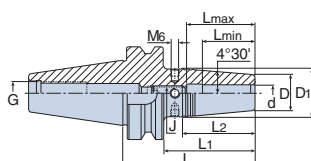
BT MAS

T-SHRINK



BT MAS-403 Forma AD

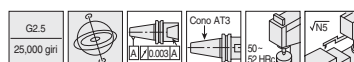
T-SHRINK



Descrizione	Dimensioni (mm)										
	d	D	D1	L	L1	L2	Lmin	Lmax	J	G	Chiave
BT 40 SRKIN 6 X 90	6	21	27	90	63	38.0	25	36	M5	M16	2.5
BT 40 SRKIN 8 X 90	8	21	27	90	63	38.0	25	36	M6	M16	3.0
BT 40 SRKIN 10 X 90	10	24	32	90	63	50.5	31	42	M8	M16	4.0
BT 40 SRKIN 12 X 90	12	24	32	90	63	50.5	36	47	M10	M16	5.0
BT 40 SRKIN 14 X 90	14	27	34	90	63	44.5	36	47	M10	M16	5.0
BT 40 SRKIN 16 X 90	16	27	34	90	63	44.5	39	50	M12	M16	6.0
BT 40 SRKIN 18 X 90	18	33	42	90	63	57.0	39	50	M12	M16	6.0
BT 40 SRKIN 20 X 90	20	33	42	90	63	57.0	41	52	M16	M16	8.0
BT 40 SRKIN 25 X 110	25	44	53	100	83	57.0	47	58	M16	M16	8.0
BT 50 SRKIN 6X 100 ⁽¹⁾	6	21	26	100	62	32.0	25	36	M5	M24	2.5
BT 50 SRKIN 8X 100 ⁽¹⁾	8	21	27	100	62	38.0	25	36	M6	M24	3.0
BT 50 SRKIN 10 X 100 ⁽¹⁾	10	24	32	100	62	51.0	31	42	M8	M24	4.0
BT 50 SRKIN 12 X 100 ⁽¹⁾	12	24	32	100	62	51.0	36	47	M10	M24	5.0
BT 50 SRKIN 14 X 100 ⁽¹⁾	14	27	34	100	62	44.5	36	47	M10	M24	5.0
BT 50 SRKIN 16 X 100 ⁽¹⁾	16	27	34	100	62	44.5	39	50	M12	M24	6.0
BT 50 SRKIN 18 X 100 ⁽¹⁾	18	33	42	100	62	57.0	39	50	M12	M24	6.0
BT 50 SRKIN 20 X 100 ⁽¹⁾	20	33	42	100	62	57.0	41	52	M16	M24	8.0
BT 50 SRKIN 25 X 120 ⁽¹⁾	25	44	53	120	82	57.0	47	58	M16	M24	8.0
BT 50 SRKIN 32 X 120 ⁽¹⁾	32	44	53	120	82	57.0	47	58	M16	M24	8.0

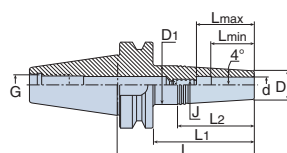
• ⁽¹⁾ Bilanciato G2.5 a 20.000 giri

T-SHRINK

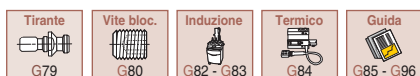


BT MAS 403 Forma AD

T-SHRINK



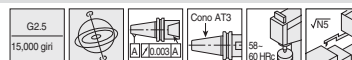
Descrizione	Dimensioni (mm)										
	d	D	D1	L	L1	L2	Lmin	Lmax	J	G	Chiave
BT 40 SRK 3 X 50	3	10	15	77	50	35.5	10	16	M6	M16	3
BT 40 SRK 3 X 85	3	10	19	112	85	64.1	10	16	M6	M16	3
BT 40 SRK 4 X 50	4	10	15	77	50	35.5	12	18	M6	M16	3
BT 40 SRK 4 X 85	4	10	19	112	85	64.1	12	18	M6	M16	3
BT 40 SRK 5 X 50	5	10	15	77	50	35.5	15	21	M6	M16	3
BT 40 SRK 5 X 85	5	10	19	112	85	64.1	15	21	M6	M16	3
BT 40 SRK 6 X 50	6	11	16	77	50	35.5	18	24	M8	M16	4
BT 40 SRK 6 X 85	6	11	20	112	85	64.1	18	24	M8	M16	4
BT 40 SRK 8 X 50	8	14	20	77	50	42.5	25	31	M10	M16	5
BT 40 SRK 8 X 85	8	14	23	112	85	63.9	25	31	M10	M16	5
BT 40 SRK 10 X 50	10	16	22	77	50	42.4	30	36	M12	M16	6
BT 40 SRK 10 X 85	10	16	25	112	85	60.2	30	36	M12	M16	6
BT 40 SRK 12 X 50	12	20	26	77	50	42.3	32	42	M10	M16	5
BT 40 SRK 12 X 85	12	20	28	112	85	56.6	32	42	M10	M16	5



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

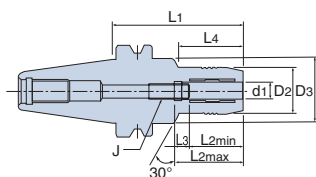
BT MAS

T-HYCHUCK



BT MAS-403 Forma AD

T-HYCHUCK



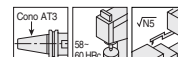
Descrizione	Dimensioni (mm)								
	d1	D2	D3	L1	L2max	L2min	L3	L4	J
BT 30 THC 6-70 ⁽¹⁾	6	28	45	70	37.5	27.5	10	28	M5
BT 30 THC 8-70 ⁽¹⁾	8	30	45	70	37.5	27.5	10	28	M6
BT 30 THC 10-75 ⁽¹⁾	10	32	45	75	42.5	32.5	10	38	M8 X 1
BT 30 THC 12-85 ⁽¹⁾	12	34	45	85	47.5	37.5	10	44	M10 X 1
BT 30 THC 14-85 ⁽¹⁾	14	36	45	85	47.5	37.5	10	44	M10 X 1
BT 30 THC 16-90 ⁽¹⁾	16	38	45	90	52.5	42.5	10	46	M10 X 1
BT 30 THC 20-90 ⁽¹⁾	20	41	45	90	52.5	42.5	10	68	M10 X 1
BT 30 THC 20-85 ⁽¹⁾	20	43	45	85	52.5	42.5	10	63	M10 X 1
BT 40 THC 6-65	6	28	50	65	37.5	27.5	10	23	M5
BT 40 THC 6-95	6	28	50	65	37.5	27.5	10	43	M5
BT 40 THC 8-95	8	30	50	95	37.5	27.5	10	44	M6
BT 40 THC 10-95	10	32	50	95	42.5	32.5	10	44	M8 X 1
BT 40 THC 12-95	12	34	50	95	47.5	37.5	10	44	M10 X 1
BT 40 THC 14-95	14	36	50	95	47.5	37.5	10	44	M10 X 1
BT 40 THC 16-95	16	38	50	95	52.5	42.5	10	46	M10 X 1
BT 40 THC 16-140	16	38	50	140	52.5	42.5	10	47.5	M10 X 1
BT 40 THC 20-95	20	43	50	95	52.5	42.5	10	48	M10 X 1
BT 40 THC 25-135	25	57	-	135	61	51	10	108	M16 X 1
BT 40 THC 25-100	25	57	-	100	61	51	10	73	M16 X 1
BT 40 THC 32-105	32	63	-	105	61.0	55.0	10	78	M16 X 1
BT 50 THC 6-90 ⁽²⁾	6	28	50	90	37.5	27.5	10	32	M5
BT 50 THC 6-120 ⁽²⁾	6	28	50	120	37.5	27.5	10	38	M5
BT 50 THC 10-90 ⁽²⁾	10	32	50	90	42.5	32.5	10	32	M8X1
BT 50 THC 10-120 ⁽²⁾	10	32	50	120	42.5	32.5	10	42	M8X1
BT 50 THC 12-90 ⁽²⁾	12	34	50	90	47.5	47.5	10	32	M8X1
BT 50 THC 12-120 ⁽²⁾	12	34	50	120	47.5	47.5	10	44	M8X1
BT 50 THC 14-90 ⁽²⁾	14	36	50	90	47.5	47.5	10	32	M10X1
BT 50 THC 16-90 ⁽²⁾	16	38	50	90	52.5	42.5	10	32	M10X1
BT 50 THC 20-90 ⁽²⁾	20	43	50	90	52.5	42.5	10	32	M10X1
BT 50 THC 20-120 ⁽²⁾	20	43	50	120	52.5	42.5	10	48	M10X1
BT 50 THC 20-140 ⁽²⁾	20	43	50	140	52.5	42.5	10	48	M10X1
BT 50 THC 25-105 ⁽²⁾	25	57	-	105	61	51	10	67	M16X1
BT 50 THC 25-150 ⁽²⁾	25	57	-	150	61	51	10	112	M16X1
BT 50 THC 32-90 ⁽²⁾	32	63	-	90	65	55	10	52	M16X1
BT 50 THC 32-115 ⁽²⁾	32	63	-	115	65	55	10	77	M16X1
BT 50 THC 32-135 ⁽²⁾	32	63	-	135	65	55	10	97	M16X1
BT 50 THC 32-150 ⁽²⁾	32	63	-	150	65	55	10	112	M16X1

• ⁽¹⁾ Bilanciato G2.5 a 20.000 giri

⁽²⁾ Bilanciato G2.5 a 10.000 giri

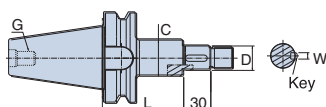
Mandrino per frese a disco

New



BT MAS-403 Forma A

SCA



Descrizione	Dimensioni (mm)				
	D	L	C	W	G
BT40-SCA-22(22.225)-75	22(22.225)	75	34	6(3.18)	M16
BT40-SCA-22-120	22	120	34	6(3.18)	
BT40-SCA-27(25.4)-75	27(25.4)	75	40	7(6.35)	
BT40-SCA-27-120	27	120	40	7(6.35)	
BT40-SCA-32(31.75)-90	32(31.75)	90	46	8(7.92)	M24
BT50-SCA-22(22.225)-90	22(22.225)	90	34	6(3.18)	
BT50-SCA-22-135	22	135	34	6(3.18)	
BT50-SCA-27(25.4)-90	27(25.4)	90	40	7(6.35)	
BT50-SCA-27-135	27	135	40	7(6.35)	
BT50-SCA-32(31.75)-90	32(31.75)	90	46	8(7.92)	
BT50-SCA-40(38.1)-90	40(38.1)	90	55	10(9.52)	
BT50-SCA-50-90	50	90	68	12	

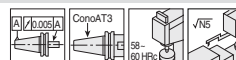
• Chiave e rondelle incluse (3,5,7,8,10,12mm)



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

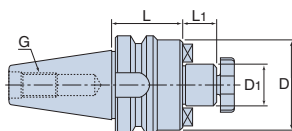
BT MAS

Mandrino per frese a manicotto



BT MAS-403 Forma A

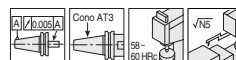
ISO 3937



Descrizione	Dimensioni (mm)				
	D1	L	L1	D	G
BT30 SEM 16 X 50	16	50	17	38	M12
BT30 SEM 22 X 50	22	50	19	47	M12
BT30 SEM 27 X 50	27	50	21	58	M12
BT40 SEM 16 X 60	16	60	17	38	M16
BT40 SEM 16 X 120	16	120	17	38	M16
BT40 SEM 22 X 60	22	60	19	47	M16
BT40 SEM 22 X 120	22	120	19	47	M16
BT40 SEM 27 X 45	27	45	21	58	M16
BT40 SEM 27 X 105	27	105	21	58	M16
BT40 SEM 32 X 60	32	60	24	66	M16
BT40 SEM 32 X 75	32	75	24	66	M16
BT40 SEM 40 X 60	40	60	27	82	M16
BT40 SEM 40 X 75	40	75	27	82	M16
BT50 SEM 16 X 75	16	75	17	38	M24
BT50 SEM 16 X 120	16	120	17	38	M24
BT50 SEM 22 X 50 X 220	22	220	19	50	M24
BT50 SEM 22 X 75	22	75	19	47	M24
BT50 SEM 22 X 64 X 320	22	320	19	64	M24
BT50 SEM 22 X 120	22	120	19	47	M24
BT50 SEM 27 X 60	27	60	21	58	M24
BT50 SEM 27 X 105	27	105	21	58	M24
BT50 SEM 32 X 48	32	48	24	66	M24
BT50 SEM 32 X 75	32	75	24	66	M24
BT50 SEM 40 X 48	40	48	27	82	M24
BT50 SEM 40 X 75	40	75	27	82	M24

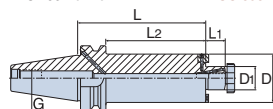
- Chiave non inclusa

Mandrino per fresa a manicotto extra lungo - Foro refrigerante interno



BT MAS 403 Forma ADB

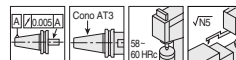
ISO 3937



Descrizione	Dimensioni (mm)					
	D1	D	L	L1	L2	G
BT50 SEM 22 X 48 X 220C	22	48	220	19	182	M24
BT50 SEM 22 X 61 X 320C	22	61	320	19	282	M24
BT50 SEM 27 X 61 X 320C	27	61	320	21	282	M24
BT50 SEM 32 X 78 X 390C	32	78	390	24	352	M24

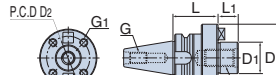
- Se richiesto il "tipo B" rimuovere i tappi a vite dai fori di lubrificazione della flangia (usare una chiave esagonale da 2 mm)
Chiave non inclusa

Mandrino per fresa a manicotto



BT MAS-403 Forma A

DIN 6357



Descrizione	Dimensioni (mm)							
	D1	L	L1	D	D2	G	G1	G2
BT40 FM 40	40	60	27	88	66.7	M16	M12	M20
BT50 FM 40	40	50	27	88	66.7	M24	M12	M20
BT50 FM 60	60	88	38	128	101.6	M24	M16	-

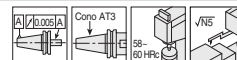
- Chiave non inclusa



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

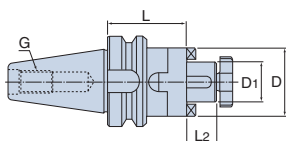
BT MAS

Mandrino combinato per frese a manicotto



BT MAS-403 Forma A

DIN 6358

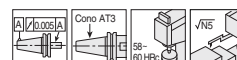


Descrizione	Dimensioni (mm)				
	D1	L	L2	D	G
BT40 SEMC 16 X 50	16	50	17	32	M16
BT40 SEMC 16 X 100	16	100	17	32	M16
BT40 SEMC 22 X 53	22	53	19	40	M16
BT40 SEMC 22 X 100	22	100	19	40	M16
BT40 SEMC 27 X 55	27	55	21	48	M16
BT40 SEMC 27 X 100	27	100	21	48	M16
BT40 SEMC 32 X 60	32	60	24	58	M16
BT40 SEMC 32 X 100	32	100	24	58	M16
BT40 SEMC 40 X 80	40	80	27	70	M16
BT50 SEMC 16 X 65	16	65	17	32	M24
BT50 SEMC 16 X 100	16	100	17	32	M24
BT50 SEMC 16 X 150	16	150	17	32	M24
BT50 SEMC 22 X 68	22	68	19	40	M24
BT50 SEMC 22 X 100	22	100	19	40	M24
BT50 SEMC 22 X 150	22	150	19	40	M24
BT50 SEMC 27 X 78	27	78	21	48	M24
BT50 SEMC 27 X 100	27	100	21	48	M24
BT50 SEMC 27 X 150	27	150	21	48	M24
BT50 SEMC 32 X 78	32	78	24	58	M24
BT50 SEMC 32 X 100	32	100	24	58	M24
BT50 SEMC 32 X 150	32	150	24	58	M24
BT50 SEMC 40 X 78	40	78	27	70	M24
BT50 SEMC 40 X 100	40	100	27	70	M24
BT50 SEMC 40 X 150	40	150	27	70	M24
BT50 SEMC 50 X 79	50	79	30	90	M24
BT50 SEMC 50 X 150	50	150	30	90	M24

• Chiave non inclusa

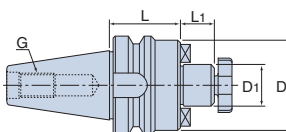
Mandrino per fresa a manicotto

New

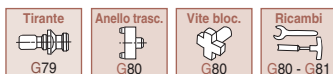


BT MAS-403 Forma A

FMA



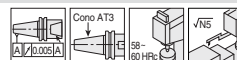
Descrizione	Dimensioni (mm)					Vite montaggio
	D1	D	L1	L	G	
BT30 FMA 25.4-45L	25.4	50	22	45	M12	MBA M12
BT40 FMA 25.4-45L	25.4	50	22	45	M16	MBA M12
BT40 FMA 25.4-90L	25.4	50	22	90		MBA M12
BT40 FMA 31.75-45L	31.75	60	30	45		MBA M16
BT40 FMA 31.75-75L	31.75	60	30	75		MBA M20
BT40 FMA 38.1-60L	38.1	80	34	60	M24	MBA M20
BT50 FMA 25.4-45L	25.4	50	22	45		MBA M12
BT50 FMA 25.4-90L	25.4	50	22	90		MBA M12
BT50 FMA 25.4-150L	25.4	50	22	150		MBA M12
BT50 FMA 31.75-45L	31.75	60	30	45		MBA M16
BT50 FMA 31.75-75L	31.75	60	30	75		MBA M16
BT50 FMA 31.75-105L	31.75	60	30	105		MBA M16
BT50 FMA 38.1-45L	38.1	80	34	45		MBA M20
BT50 FMA 38.1-75L	38.1	80	34	75		MBA M20
BT50 FMA 50.8-45L	50.8	98	36	45		MBA M24
BT50 FMA 50.8-75L	50.8	98	36	75		MBA M24
BT50 FMA 47.625-75L	47.625	128.57	38	75		SH M16X2X40



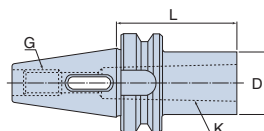
Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

BT MAS

Mandrino con morse punte

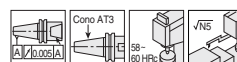


BT MAS-403 Forma A DIN 6383 / DIN 228-2 Forma D

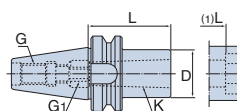


Descrizione	Dimensioni (mm)			
	K	L	D	G
BT30 MT1 X 45	MT1	45	25	M12
BT30 MT2 X 60	MT2	60	32	M12
BT40 MT1 X 45	MT1	45	25	M16
BT40 MT1 X 120	MT1	120	25	M16
BT40 MT2 X 60	MT2	60	32	M16
BT40 MT2 X 120	MT2	120	32	M16
BT40 MT3 X 75	MT3	75	40	M16
BT40 MT3 X 139	MT3	139	40	M16
BT40 MT4 X 95	MT4	95	50	M16
BT50 MT1 X 45	MT1	45	25	M24
BT50 MT1 X 120	MT1	120	25	M24
BT50 MT1 X 180	MT1	180	25	M24
BT50 MT2 X 45	MT2	45	32	M24
BT50 MT2 X 135	MT2	135	32	M24
BT50 MT2 X 180	MT2	180	32	M24
BT50 MT3 X 45	MT3	45	40	M24
BT50 MT3 X 150	MT3	150	40	M24
BT50 MT3 X 180	MT3	180	40	M24
BT50 MT4 X 75	MT4	75	50	M24
BT50 MT4 X 180	MT4	180	50	M24
BT50 MT5 X 105	MT5	105	70	M24

Mandrino con morse frese



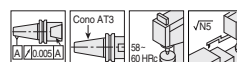
BT MAS-403 Forma A DIN 6364 / DIN 228-2 Forma B



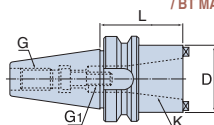
Descrizione	Dimensioni (mm)				
	K	L	D	G ₁	G
BT40 MT1 DRW	MT1	50	25	M6	M16
BT40 MT2 DRW	MT2	50	32	M10	M16
BT40 MT3 DRW	MT3	70	40	M12	M16
BT40 MT4 DRW ⁽¹⁾	MT4	95	63	M16	M16
BT50 MT1 DRW	MT1	45	25	M6	M24
BT50 MT2 DRW	MT2	60	32	M10	M24
BT50 MT3 DRW	MT3	65	40	M12	M24
BT50 MT4 DRW ⁽¹⁾	MT4	70	63	M16	M24
BT50 MT5 DRW ⁽¹⁾	MT5	100	78	M20	M24

• ⁽¹⁾ DIN 2201

Riduzione



BT MAS-403 Forma A DIN 2080 / DIN 69871/A / BT MAS-403



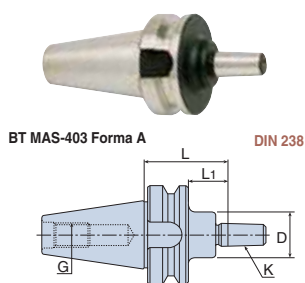
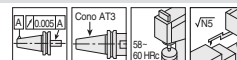
Descrizione	Dimensioni (mm)				
	K	L	D	G ₁	G
BT40 AD 30	DIN 2080	60	50	M12	M16
BT50 AD 40	DIN 2080	70	63	M16	M24
BT50 AD BT/SK 40	DIN 69871/A, BT MAS	75	66	M16	M24



Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

BT MAS

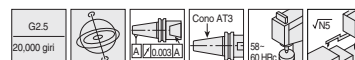
Attacchi per mandrino portapunte



Descrizione	Dimensioni (mm)				
	K	L	D	L ₁	G
BT30 DC B12 X 30	B12	30	-	8.0	M12
BT30 DC B16 X 30	B16	30	-	8.0	M12
BT40 DC B16 X 45	B16	45	30	18.0	M16
BT50 DC B12 X 45	B12	45	-	6.7	M24
BT50 DC B12 X 105	B12	105	24	67.0	M24
BT50 DC B16 X 45	B16	45	-	7.0	M24
BT50 DC B16 X 105	B16	105	50	67.0	M24
BT50 DC B18 X 45	B18	45	-	7.0	M24
BT50 DC B18 X 105	B18	105	30	67.0	M24

• Senza mandrino portapunte

T-FLEXTEC



Descrizione	Dimensioni (mm)						
	M	D	D ₁	L	L ₁	L ₂	G
BT40 ODP 6 X 66	M6	9.8	13.0	66	39	30	M16
BT40 ODP 6 X 106	M6	9.8	23.0	106	79	70	M16
BT40 ODP 8 X 66	M8	13	15.0	66	39	30	M16
BT40 ODP 8 X 106	M8	13	23.0	106	79	70	M16
BT40 ODP10 X 66	M10	18	20.0	66	39	30	M16
BT40 ODP10 X 106	M10	18	28.0	106	79	70	M16
BT40 ODP12 X 66	M12	21	24.0	66	39	30	M16
BT40 ODP12 X 106	M12	21	31.0	106	79	70	M16
BT40 ODP16 X 66	M16	29	28.6	66	39	-	M16
BT40 ODP16 X 106	M16	29	34.0	106	79	70	M16
BT50 ODP12 X 94 ⁽¹⁾	M12	23	30.0	94	56	50	M24
BT50 ODP12 X 144 ⁽¹⁾	M12	23	40.0	144	106	100	M24
BT50 ODP12 X 194 ⁽¹⁾	M12	23	40.0	194	156	150	M24
BT50 ODP12 X 244 ⁽¹⁾	M12	23	46.0	244	206	200	M24
BT50 ODP16 X 94 ⁽¹⁾	M16	29	34.0	94	56	50	M24
BT50 ODP16 X 144 ⁽¹⁾	M16	29	40.0	144	106	100	M24
BT50 ODP16 X 194 ⁽¹⁾	M16	29	55.0	194	156	150	M24
BT50 ODP16 X 244 ⁽¹⁾	M16	29	55.0	244	206	200	M24

• Se richiesto il "Tipo B" rimuovere i tappi a vite dai fori di lubrificazione della flangia (usare una chiave esagonale da 2 mm)

⁽¹⁾ Bilanciato G6.3 a 12.000 giri



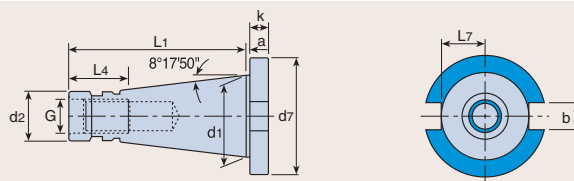
Per articoli non in stock: condizioni di fornitura soggetta a disponibilità.
Se non disponibile a magazzino verrà applicata una MOQ
(Quantità Minima Ordine).

DIN2080



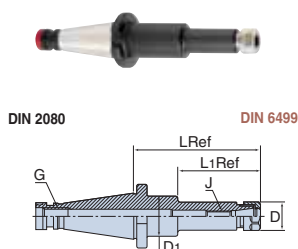
DIN2080

Mandrino Standard - DIN2080

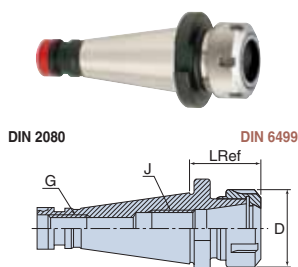


Gambo	a ± 0.2	b (H12)	d ₁	d ₂	G	d ₇	K ± 0.15	L ₁	L ₄	L ₇ MAX	Cono AT3
SK 30	1.6	16.1	31.75	17.4	M12	50	8	68.4	24	16.2	0.002
SK 40	1.6	16.1	44.45	25.3	M16	63	10	93.4	32	22.5	0.003
SK 50	3.2	25.7	69.85	39.6	M24	97.5	12	126.8	47	35.3	0.004

Mandrino pinza ER

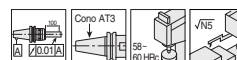


Descrizione	Gamma	Dimensioni (mm)					
		L	L _t	J	D	D ₁	G
DIN2080 30 ER16 X 75	0.5 - 10	75	-	M10	28	-	M12
DIN2080 40 ER16 X 63	0.5 - 10	63	-	M12	28	-	M16
DIN2080 40 ER16 X 100	0.5 - 10	100	-	M12	28	-	M16
DIN2080 40 ER16 X 160	0.5 - 10	160	85	M12	28	40	M16
DIN2080 40 ER20 X 63	1 - 13	63	-	M12	34	-	M16
DIN2080 40 ER20 X 100	1 - 13	100	-	M12	34	-	M16
DIN2080 50 ER16 X 100	0.5 - 10	100	-	M12	28	-	M24
DIN2080 50 ER16 X 160	0.5 - 10	160	95	M12	28	40	M24
DIN2080 50 ER20 X 100	1 - 13	100	-	M16	34	-	M24
DIN2080 50 ER20 X 160	1 - 13	160	-	M12	34	-	M24

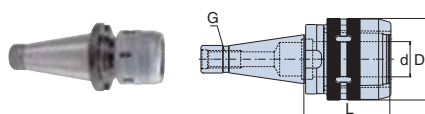


Descrizione	Gamma	Dimensioni (mm)			
		L	D	J	G
DIN2080 30 ER 32 X 55	2 - 20	55	50	M18 X 1.5	M12
DIN2080 30 ER 40 X 83	3 - 26	83	63	M22 X 1.5	M12
DIN2080 40 ER 25 X 50	1 - 16	50	42	M16 X 1.5	M16
DIN2080 40 ER 32 X 50	2 - 20	50	50	M22 X 1.5	M16
DIN2080 40 ER 40 X 55	3 - 26	55	63	M22 X 1.5	M16
DIN2080 40 ER 50 X 80	10 - 24	80	78	M22 X 1.5	M16
DIN2080 50 ER 40 X 58	3 - 26	58	63	M28 X 1.5	M24
DIN2080 50 ER 50 X 63	10 - 34	63	78	M36 X 1.5	M24

Mandrino forte serraggio



DIN2080 MANDRINO FORTE SERRAGGIO



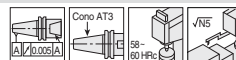
Descrizione	Dimensioni (mm)			
	d	D	L	G
DIN2080 30 TMC 20-67	20	54	67	M12
DIN2080 40 TMC 25-78	25	74	78	M16
DIN2080 40 TMC 32-78	32	74	78	M16
DIN2080 50 TMC 32-85	32	74	85	M24
DIN2080 50 TMC 42-102	42	92	102	M24

Pinza ER G67 - G71	Ghiera G78	Vite preset. G80	Chiave G81	Guida G85 - G96
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(Quantità Minima Ordine).

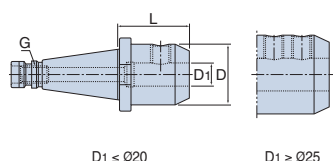
DIN2080

Mandrino Weldon



DIN 2080

DIN 6359 / DIN 1835 Forma B

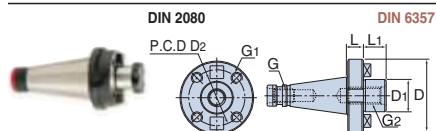
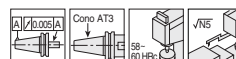


$D1 \leq \varnothing 20$

$D1 \geq \varnothing 25$

Descrizione	Dimensioni (mm)			
	D ₁	L	D	G
DIN2080 30 EM 6 X 40	6	40	25	M12
DIN2080 30 EM 8 X 40	8	40	28	M12
DIN2080 30 EM 10 X 40	10	40	35	M12
DIN2080 30 EM 12 X 40	12	40	42	M12
DIN2080 30 EM 16 X 50	16	50	48	M12
DIN2080 30 EM 20 X 63	20	63	52	M12
DIN2080 40 EM 6 X 50	6	50	25	M16
DIN2080 40 EM 8 X 50	8	50	28	M16
DIN2080 40 EM 10 X 50	10	50	35	M16
DIN2080 40 EM 12 X 50	12	50	42	M16
DIN2080 40 EM 16 X 63	16	63	48	M16
DIN2080 40 EM 20 X 63	20	63	52	M16
DIN2080 40 EM 25 X 80	25	80	65	M16
DIN2080 40 EM 32 X 80	32	80	72	M16
DIN2080 50 EM 6 X 63	6	63	25	M24
DIN2080 50 EM 8 X 63	8	63	28	M24
DIN2080 50 EM 10 X 63	10	63	35	M24
DIN2080 50 EM 12 X 63	12	63	42	M24
DIN2080 50 EM 16 X 63	16	63	48	M24
DIN2080 50 EM 20 X 63	20	63	52	M24
DIN2080 50 EM 25 X 80	25	80	65	M24
DIN2080 50 EM 32 X 80	32	80	72	M24
DIN2080 50 EM 40 X 90	40	90	90	M24
DIN2080 50 EM X 100	50	100	100	M24

Mandrino per fresa a manicotto



Descrizione	Dimensioni (mm)							
	D ₁	L	L ₁	D	D ₂	G ₂	G ₁	G
DIN2080 40 FM 40	40	20	27	88	66.7	M20	M12	M16
DIN2080 50 FM 40	40	36	27	97.5	66.7	M20	M12	M24
DIN2080 50 FM 60	60	35.8	40	128	101.6	-	M16	M24

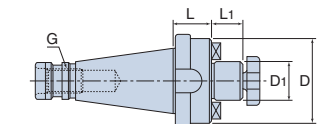
• Chiave non inclusa

Mandrino per fresa a manicotto



DIN 2080

DIN 3937



Descrizione	Dimensioni (mm)				
	D ₁	L	L ₁	D	G
DIN2080 30 SEM 16 X 28	16	28	17	38	M12
DIN2080 30 SEM 22 X 28	22	28	19	47	M12
DIN2080 30 SEM 27 X 32	27	32	21	58	M12
DIN2080 30 SEM 32 X 32	32	32	24	66	M12
DIN2080 40 SEM 16 X 28	16	28	17	38	M16
DIN2080 40 SEM 22 X 27	22	27	19	47	M16
DIN2080 40 SEM 27 X 26	27	26	21	58	M16
DIN2080 40 SEM 32 X 23	32	23	24	66	M16
DIN2080 40 SEM 40 X 34	40	34	27	82	M16
DIN2080 50 SEM 16 X 38	16	38	17	38	M24
DIN2080 50 SEM 22 X 38	22	38	19	47	M24
DIN2080 50 SEM 27 X 38	27	38	21	58	M24
DIN2080 50 SEM 32 X 36	32	36	24	66	M24
DIN2080 50 SEM 40 X 40	40	40	27	82	M24

• Chiave non inclusa



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