



High Performance Cutting Tools



**MACHINE TOOL ADAPTERS  
AND ACCESSORIES**

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**High Performance Cutting Tools**

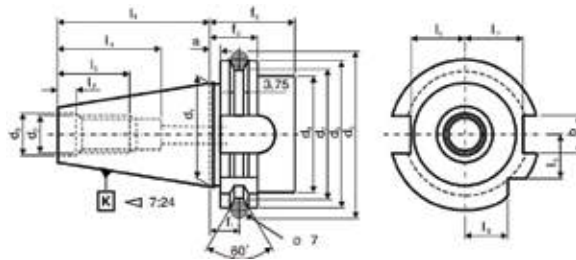


## Technical details

**SK -DIN69871**

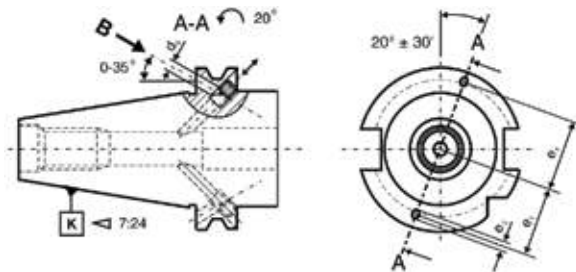
STEILKEGEL in german which means Steep Taper is denoted as SK

### DIN 69871-A-AD



FORM A : SIMILAR DIN 69871 AD  
WITHOUT THROUGH HOLE

### DIN 69871-B



FORM B : SIMILAR DIN 69871 AD+B  
WITH CENTRAL COOLANT FEED  
THROUGH THE COLLAR

K ISO	a±0,1 mm	b H12 mm	d1 mm	d2 mm	d3 H7 mm	d5±0,5 mm	d6 0/-0,1 mm	d7 0/-0,5 mm	d8 max mm
40	3,2	16,1	44,45	M 16	17	72,30	63,55	56,25	50
50	3,2	25,7	69,85	M 24	25	107,25	97,50	91,25	80

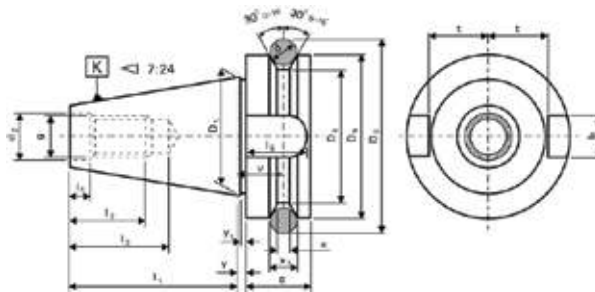
K ISO	f1±0,1 mm	f2 min mm	f3 0/-0,1 mm	l1 mm	l2 mm	l3 min mm	l4 min mm	l5 0/-0,3 mm	l6 0/-0,4 mm	l7 0/-0,4 mm	d9 mm	e1±0,1 mm	e2 max mm
40	11,1	35	19,1	68,40	8,2	32	42,5	18,5	22,8	25,0	4	24	5.0
50	11,1	35	19,1	101,75	11,5	47	61,5	30,0	35,5	37,7	6	42	7.0
50	11.1	38	19.1	161,80	14,0	59	76,0	49,0	54,2	59,3	8	66	9.2

## Technical details

### JIS B 6339 - BT

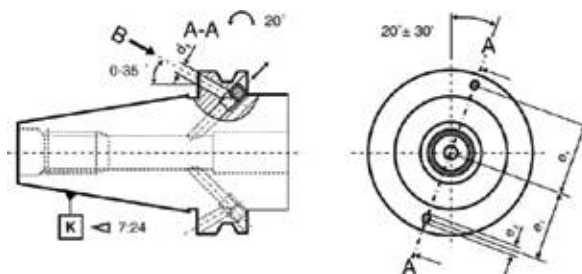
The spindle interface JIS B 6339 as the traditional interface for milling spindles distinguishes itself through its robust design. Its field of application ranges from fine machining to heavy duty roughing. The tool holder is pulled in the milling spindle with the help of an additional pull stud. The centering takes place via the taper contact. Therefore, the JIS B 6339 interface is primarily suitable for applications with a spindle speed of up to 12,000 rpm.

### JIS B 6339 - AD



FORM AD : SIMILAR DIN 69871 AD WITHOUT THROUGH HOLE

### JIS B 6339 - AD+B



FORM B : SIMILAR DIN 69871 AD+B WITH CENTRAL COOLANT FEED THROUGH THE COLLAR

K ISO	D1 mm	l1±0,2 mm	d2 H8 mm	g 6H mm	l2 min mm	l3 min mm	l4+0,5/0 mm	b H12 mm	l5 min mm	t 0/-0,2 mm
30	31,75	48,4	12,5	M 12	24	34	7	16,1	17	16,3
40	44,45	65,4	17,0	M 16	30	43	9	16,1	21	22,6
50	69,85	101,8	25,0	M 24	45	62	13	25,7	31	35,1

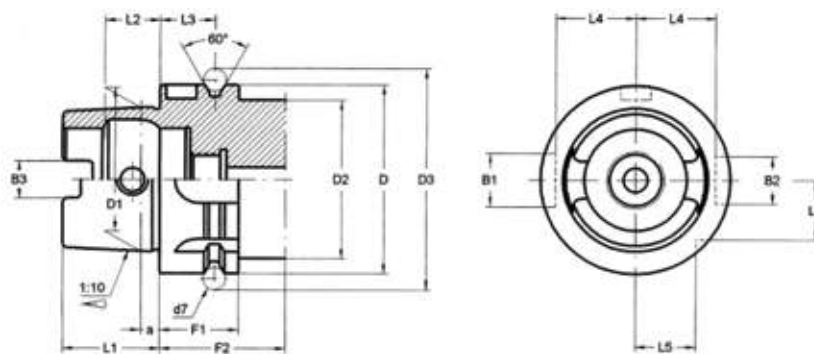
K ISO	D4 mm	D5 h8 mm	e mm	v±0,1 mm	x mm	x1±0,1/0 mm	y±0,4 mm	y1±0,5/0 mm	d9 mm	e1±0,1 mm	e2 max mm
30	38	46	20	13,6	4	8	2	7	4	21	5
40	53	63	25	16,6	8	10	2	9	4	27	5
50	85	100	35	23,2	7	15	3	13	6	42	7



## Technical details

### DIN 69893-HSK-A

The Hollow Taper Shank interface DIN 69893 has become the new standard for machining centres. The holder is clamped via its taper with flange contact surface. By doing so, a highly accurate centring and fixed axial position of the holder in the spindle is granted with a high repetitive accuracy when exchanging the tools.



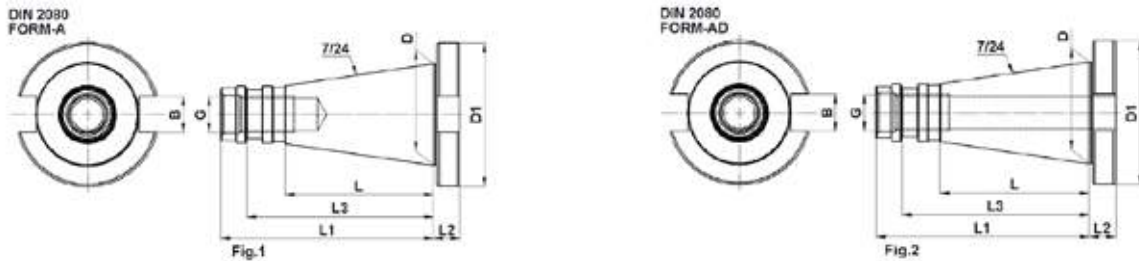
HSK	Dh10 mm	D1 mm	D2 max mm	D3 -0,1 mm	B1 H10 mm	B2 H10 mm	B3±0,4 mm	d7 mm
63	63	48	53	72,3	18	16	12,54	7
100	100	75	85	109,75	22	20	20,02	7

HSK	L1 -0,2 mm	L2 JS10 mm	L3±0,1 mm	L4 -0,2 mm	L5 -0,3 mm	F1 -0,1 mm	F2 min mm	a mm
63	32	18,13	18	26,5	20,0	26	42	3,3
100	50	28,56	20	44,0	31,5	29	45	10,0

## Technical details

### ISO (DIN 2080)

ANSI B5.18, National Machine Tool Builders' Association, 1927. DIN 2080 / IS 2340, ISO R 290-2583. NMTB (National Machine Tool Builders' Association) is a single flange toolholder. It is held in place by a drawbar. Also called Quick Change, NMTB, MM, National Standard, American Standard Machine Taper, etc. Units built to the ISO standards are commonly considered interchangeable with ANSI units. However, there are a few differences. Most (but not all) NMTB shanks are compatible with the corresponding size Erickson Quick-Change Spindles.



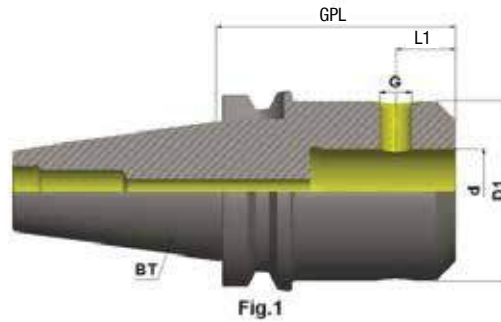
### FORM A

Machine Design	TAPER	D	D1	L	L1	L2	L3	B	G	FIG
ISO30 - A	ISO30	31.75	50	48.4	68.4	9.6	-	16.1	M12	1
ISO40 - A	ISO40	44.45	63	65.4	93.4	11.6	82	16.1	M16	1
ISO50 - A	ISO50	69.85	100	103.0	128.0	15.2	115	25.7	M24	1

### FORM AD

Part No.	TAPER	D	D1	L	L1	L2	L3	B	G	FIG
ISO30 - AD	ISO30	31.75	50	48.4	68.4	9.6	-	16.1	M12	2
ISO40 - AD	ISO40	44.45	63	65.4	93.4	11.6	82	16.1	M16	2
ISO50 - AD	ISO50	69.85	91.5	102	126.8	15.2	115	25.7	M24	2

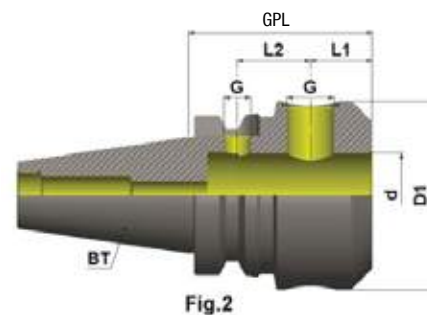
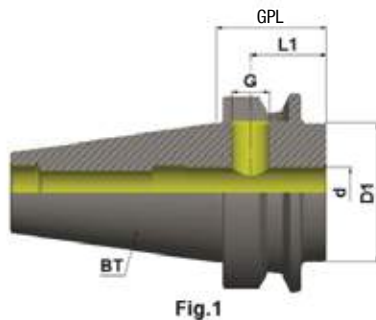
## BT30 Standard GPL / Form AD



Description	Taper	d	GPL	D1	L1	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
BT30ADEM08050M	BT30	8	50	28	18	0.7	M8	1	FBT0500302
BT30ADEM10050M	BT30	10	50	35	20	0.7	M10	1	FBT0500303
BT30ADEM12055M	BT30	12	55	42	22.5	0.7	M12	1	FBT0500304
BT30ADEM16063M	BT30	16	63	48	24	0.8	M14	1	FBT0500305
BT30ADEM20063M	BT30	20	63	52	25	1.3	M16	1	FBT0500306

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

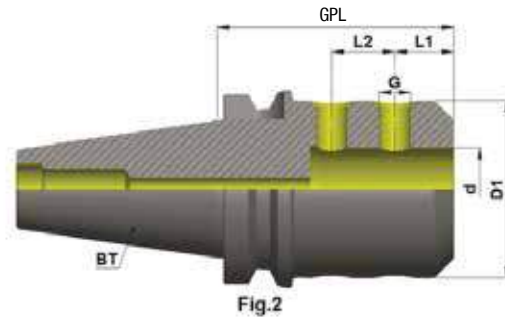
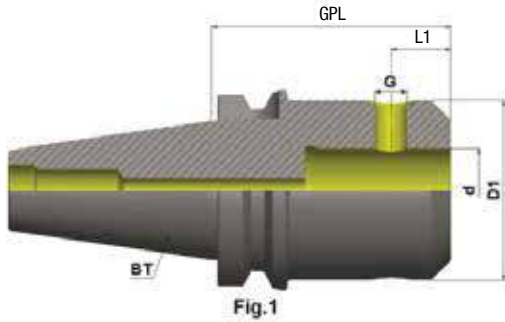
## BT40 Short GPL / Form AD



Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
BT40ADEM16030M	BT40	16	30	40	21		0.9	M10	1	FBT0500307
BT40ADEM20045M	BT40	20	45	50	15	20	1	M10	1	FBT0500308
BT40ADEM25045M	BT40	25	45	50	15	18	1	M10	2	FBT0500309

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

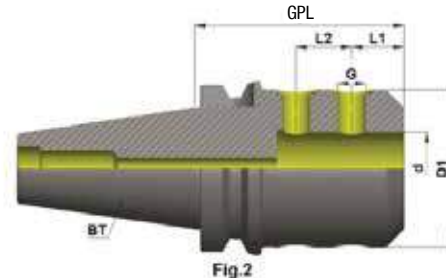
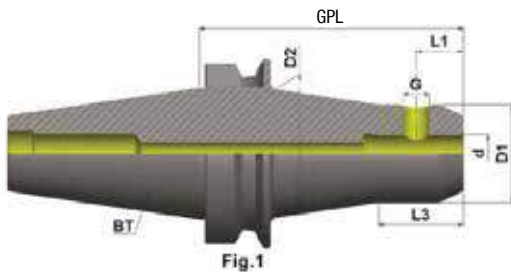
# BT40 Standard GPL / Form AD



Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
BT40ADEM06050M	BT40	6	50	25	18		1.2	M6	1	FBT0500310
BT40ADEM08050M	BT40	8	50	38	18		1.2	M8	1	FBT0500311
BT40ADEM10063M	BT40	10	63	35	20		1.2	M10	1	FBT0500312
BT40ADEM12063M	BT40	12	63	42	22.5		1.3	M12	1	FBT0500313
BT40ADEM14063M	BT40	14	63	44	22.5		1.3	M12	1	FBT0500314
BT40ADEM16063M	BT40	16	63	48	24		1.3	M14	1	FBT0500315
BT40ADEM18063M	BT40	18	63	50	24		1.4	M14	1	FBT0500316
BT40ADEM20063M	BT40	20	63	52	25		2.2	M16	1	FBT0500317
BT40ADEM25090M	BT40	25	90	65	24	25	2.3	M18X2	2	FBT0500318
BT40ADEM32100M	BT40	32	100	72	24	28	2.5	M20X2	2	FBT0500319
BT40ADEM40105M	BT40	40	105	80	30	32	4.5	M20X2	2	FBT0500320

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

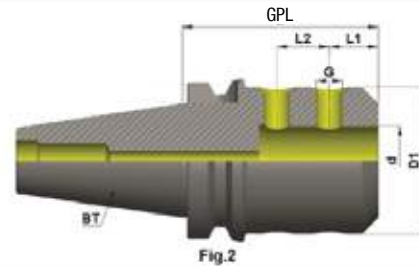
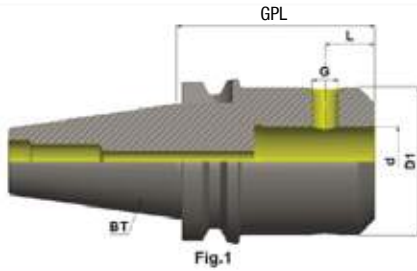
# BT40 160 GPL / Form AD



Description	Taper	d	GPL	D1	L1	L2	L3	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
BT40ADEM06160M	BT40	6	160	25	18	-	30	1.4	M6	1	FBT0500321
BT40ADEM08160M	BT40	8	160	38	18	-	32	1.4	M8	1	FBT0500322
BT40ADEM10160M	BT40	10	160	35	20	-	35	1.4	M10	1	FBT0500323
BT40ADEM12160M	BT40	12	160	42	22.5	-	-	1.7	M12	1	FBT0500324
BT40ADEM14160M	BT40	14	160	44	22.5	-	-	1.7	M12	1	FBT0500325
BT40ADEM16160M	BT40	16	160	48	24	-	-	1.9	M14	1	FBT0500326
BT40ADEM18160M	BT40	18	160	50	24	-	-	1.9	M14	1	FBT0500327
BT40ADEM20160M	BT40	20	160	52	25	-	-	2.4	M16	1	FBT0500328
BT40ADEM25160M	BT40	25	160	65	24	25	-	2.3	M18X2	2	FBT0500329

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

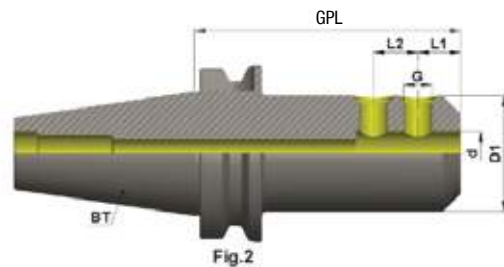
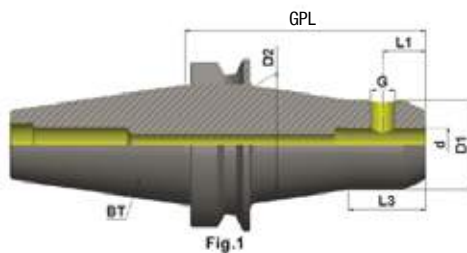
## BT50 standard GPL / Form AD



Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
BT50ADEM06065M	BT50	6	65	25	18	-	3.7	M6	1	FBT0500330
BT50ADEM08065M	BT50	8	65	28	18	-	3.7	M8	1	FBT0500331
BT50ADEM10065M	BT50	10	65	35	20	-	3.7	M10	1	FBT0500332
BT50ADEM12080M	BT50	12	80	42	22.5	-	4	M12	1	FBT0500333
BT50ADEM14080M	BT50	14	80	44	22.5	-	4	M12	1	FBT0500334
BT50ADEM16080M	BT50	16	80	48	24	-	4	M14	1	FBT0500335
BT50ADEM18080M	BT50	18	80	50	24	-	4	M14	1	FBT0500336
BT50ADEM20080M	BT50	20	80	52	25	-	4	M16	1	FBT0500337
BT50ADEM25100M	BT50	25	100	65	24	25	4.3	M18X2	2	FBT0500338
BT50ADEM32105M	BT50	32	105	72	24	28	4.5	M20X2	2	FBT0500339
BT50ADEM40115M	BT50	40	115	90	30	32	5.8	M20X2	2	FBT0500340

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

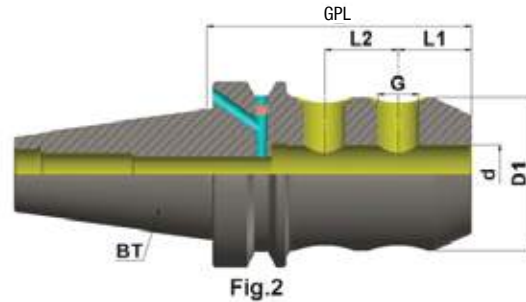
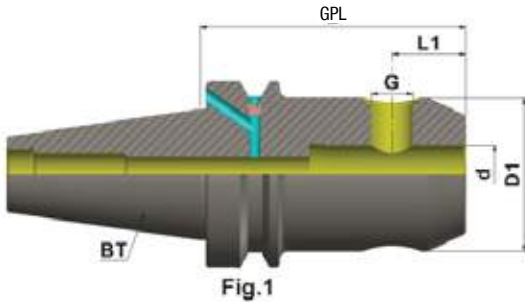
## BT50 160 GPL / Form AD



Description	Taper	d	GPL	D1	D2	L1	L2	L3	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
BT50ADEM08160M	BT50	8	160	28	45	18	-	32	4	M8	1	FBT0500341
BT50ADEM10160M	BT50	10	160	35	49	20	-	35	4.1	M10	1	FBT0500342
BT50ADEM12160M	BT50	12	160	42	55	22.5	-	35	4.6	M12	1	FBT0500343
BT50ADEM16160M	BT50	16	160	48	60	24	-	40	4.6	M14	1	FBT0500344
BT50ADEM20160M	BT50	20	160	52	69	25	-	45	5.3	M16	1	FBT0500345
BT50ADEM25160M	BT50	25	160	65	72	24	25	62	5.2	M18X2	2	FBT0500346
BT50ADEM32160M	BT50	32	160	72		24	28		5.9	M20X2	2	FBT0500347

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

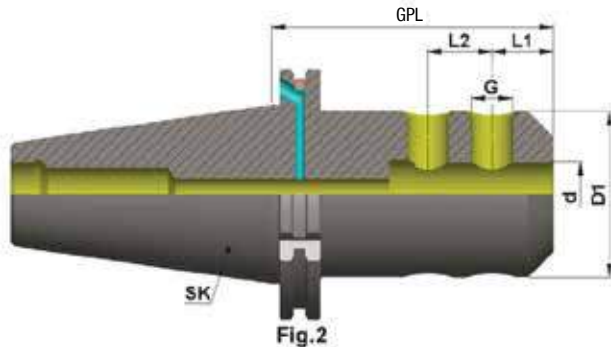
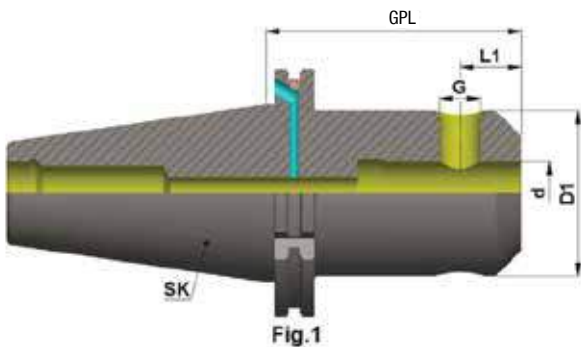
## BT40 Standard GPL / Form AD/B



Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub screw)	Image Ref	EDP No.
BT40ADBEM16063M	BT40	16	63	48	24	-	1.3	M14	1	FBT0500348
BT40ADBEM20063M	BT40	20	63	52	25	-	1.7	M16	1	FBT0500349
BT40ADBEM25090M	BT40	25	90	65	24	25	2.3	M18X2	2	FBT0500350
BT40ADBEM32100M	BT40	32	100	72	24	28	2.5	M20X2	2	FBT0500351
BT40ADBEM40105M	BT40	40	105	80	30	32	4.5	M20X2	2	FBT0500352

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

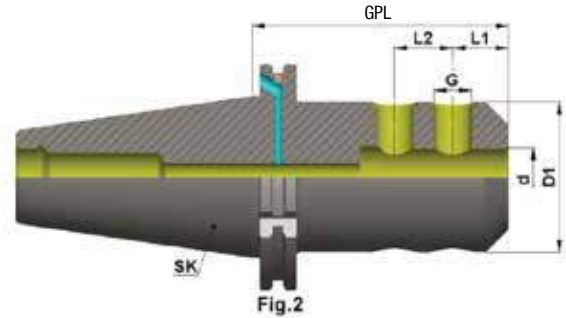
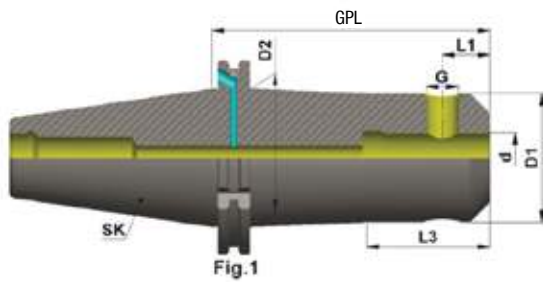
## SK40 Standard GPL / Form AD/B



Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
SK40ADBEM06050M	SK40	6	50	25	18	-	0.9	M6	1	FBT0500462
SK40ADBEM08050M	SK40	8	50	28	18	-	0.9	M8	1	FBT0500463
SK40ADBEM10050M	SK40	10	50	35	20	-	0.9	M10	1	FBT0500464
SK40ADBEM12050M	SK40	12	50	42	22.5	-	1.2	M12	1	FBT0500465
SK40ADBEM14050M	SK40	14	50	44	22.5	-	1.2	M12	1	FBT0500466
SK40ADBEM16063M	SK40	16	63	48	24	-	1.2	M14	1	FBT0500467
SK40ADBEM18063M	SK40	18	63	50	24	-	1.3	M14	1	FBT0500468
SK40ADBEM20063M	SK40	20	63	52	25	-	1.4	M16	1	FBT0500469
SK40ADBEM25100M	SK40	25	100	65	24	25	1.6	M18X2	2	FBT0500470
SK40ADBEM32100M	SK40	32	100	72	24	28	3.3	M20X2	2	FBT0500471
SK40ADBEM40120M	SK40	40	120	80	30	32	4.7	M20X2	2	FBT0500472

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

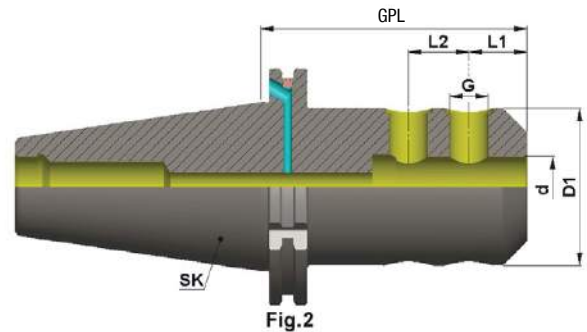
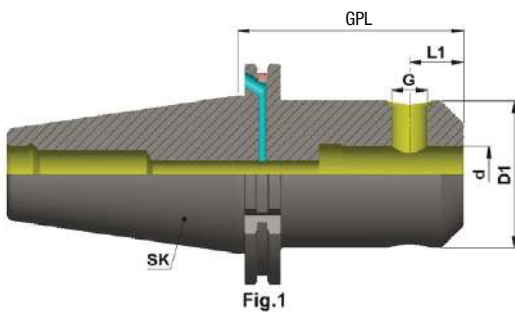
## SK40 160 GPL / Form AD/B



Description	Taper	d	GPL	D1	D2	L1	L2	L3	Weight (Kg)	G (Grub screw)	Image Ref	EDP No.
SK40ADBEM06160M	SK40	6	160	25	35	18	-	30	1.2	M6	1	FBT0500473
SK40ADBEM08160M	SK40	8	160	28	38	18	-	32	1.2	M8	1	FBT0500474
SK40ADBEM10160M	SK40	10	160	35	40	20	-	35	1.5	M10	1	FBT0500475
SK40ADBEM12160M	SK40	12	160	42	-	22.5	-	-	1.7	M12	1	FBT0500476
SK40ADBEM16160M	SK40	16	160	48	-	24	-	-	2	M14	1	FBT0500477
SK40ADBEM20160M	SK40	20	160	52	-	25	-	-	2.7	M16	1	FBT0500478
SK40ADBEM25160M	SK40	25	160	65	-	24	25	-	2.6	M18X2	2	FBT0500479

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

## SK50 Standard GPL / Form AD/B

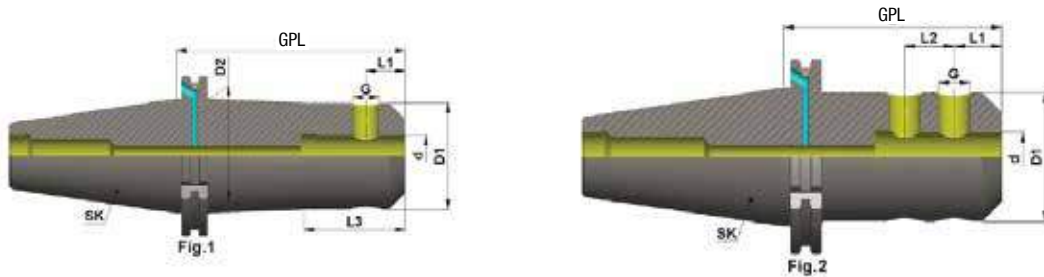


Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
SK50ADBEM06063M	SK50	6	63	25	18	-	2.7	M6	1	FBT0500480
SK50ADBEM08063M	SK50	8	63	28	18	-	2.7	M8	1	FBT0500481
SK50ADBEM10063M	SK50	10	63	35	20	-	2.8	M10	1	FBT0500482
SK50ADBEM12063M	SK50	12	63	42	22.5	-	2.9	M12	1	FBT0500483
SK50ADBEM14063M	SK50	14	63	44	22.5	-	3	M12	1	FBT0500484
SK50ADBEM16063M	SK50	16	63	48	24	-	3	M14	1	FBT0500485
SK50ADBEM18063M	SK50	18	63	50	24	-	3.1	M14	1	FBT0500486
SK50ADBEM20063M	SK50	20	63	52	25	-	3.2	M16	1	FBT0500487
SK50ADBEM25080M	SK50	25	80	65	24	25	3.3	M18X2	2	FBT0500488
SK50ADBEM32100M	SK50	32	100	72	24	28	4.3	M20X2	2	FBT0500489
SK50ADBEM40100M	SK50	40	100	90	30	32	5.5	M20X2	2	FBT0500490

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085



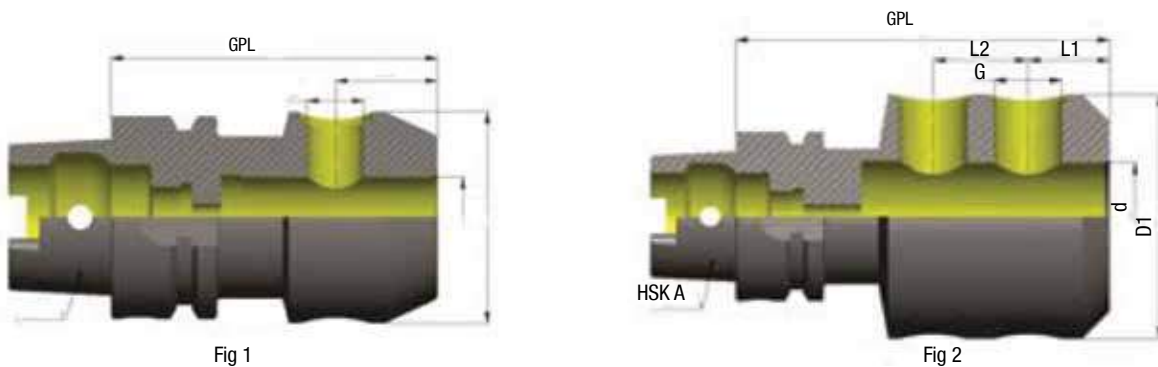
# SK50 160 GPL / Form AD/B



Description	Taper	d	GPL	D1	D2	L1	L2	L3	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
SK50ADBEM06160M	SK50	6	160	25	35	18	-	30	3	M6	1	FBT0500491
SK50ADBEM08160M	SK50	8	160	28	38	18	-	32	3	M8	1	FBT0500492
SK50ADBEM10160M	SK50	10	160	35	42	20	-	35	3.2	M10	1	FBT0500493
SK50ADBEM12160M	SK50	12	160	42	48	22.5	-	35	3.5	M12	1	FBT0500494
SK50ADBEM14160M	SK50	14	160	44	50	22.5	-	35	3.6	M12	1	FBT0500495
SK50ADBEM16160M	SK50	16	160	48	54	24	-	40	3.8	M14	1	FBT0500496
SK50ADBEM18160M	SK50	18	160	50	56	24	-	40	4	M14	1	FBT0500497
SK50ADBEM20160M	SK50	20	160	52	59	25	-	45	4.5	M16	1	FBT0500498
SK50ADBEM25160M	SK50	25	160	65	70	24	25	62	4.4	M18X2	2	FBT0500499
SK50ADBEM32160M	SK50	32	160	72	-	24	28	-	5.2	M20X2	2	FBT0500500

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

# HSKA50 Standard GPL / Form A



Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
HSKA50EM06065M	HSKA50	6	65	25	18	-	0.5	M6	1	FBT0500583
HSKA50EM08065M	HSKA50	8	65	28	18	-	0.6	M8	1	FBT0500584
HSKA50EM10065M	HSKA50	10	65	35	20	-	0.6	M10	1	FBT0500585
HSKA50EM12080M	HSKA50	12	80	42	22.5	-	1	M12	1	FBT0500586
HSKA50EM16080M	HSKA50	16	80	48	24	-	1	M14	1	FBT0500587
HSKA50EM20080M	HSKA50	20	80	52	25	-	1	M16	1	FBT0500588
HSKA50EM25110M	HSKA50	25	110	65	24	25	1.8	M18X2	2	FBT0500589
HSKA50EM32110M	HSKA50	32	110	72	24	28	1.9	M20X2	2	FBT0500590

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • COOLANT TUBE - 9.097 • ER NUT - 9.084 • SPANNER - 9.085



## HSK63 Standard GPL / Form A

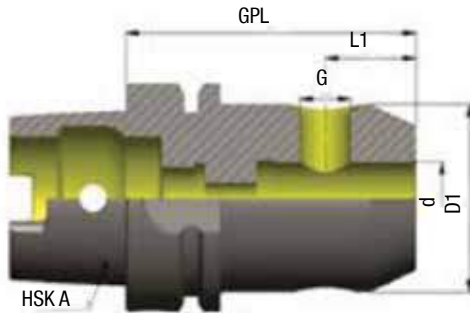


Fig 1

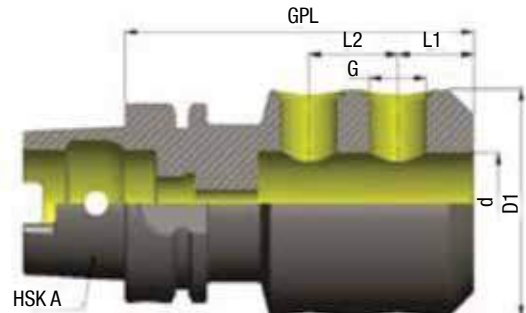


Fig 2

Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
HSKA63EM06065M	HSKA63	6	65	25	18	-	0.8	M6	1	FBT0500591
HSKA63EM08065M	HSKA63	8	65	28	18	-	0.8	M8	1	FBT0500592
HSKA63EM10065M	HSKA63	10	65	35	20	-	0.9	M10	1	FBT0500593
HSKA63EM12080M	HSKA63	12	80	42	22.5	-	1.2	M12	1	FBT0500594
HSKA63EM16080M	HSKA63	16	80	48	24	-	1.3	M14	1	FBT0500595
HSKA63EM20080M	HSKA63	20	80	52	25	-	1.3	M16	1	FBT0500596
HSKA63EM25110M	HSKA63	25	110	65	24	25	2.3	M18X2	2	FBT0500597
HSKA63EM32110M	HSKA63	32	110	72	24	28	2.5	M20X2	2	FBT0500598
HSKA63EM40120M	HSKA63	40	120	80	30	32	4.2	M20X2	2	FBT0500599

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • COOLANT TUBE - 9.097 • ER NUT - 9.084 • SPANNER - 9.085

## HSK63 Extended GPL / Form A

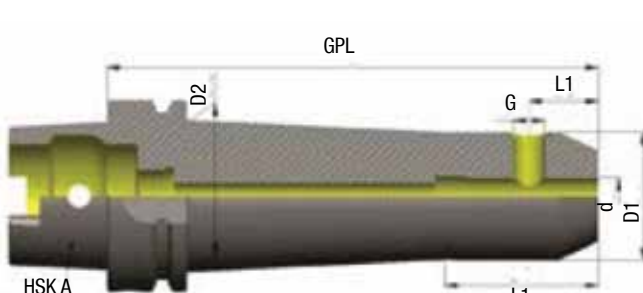


Fig 1

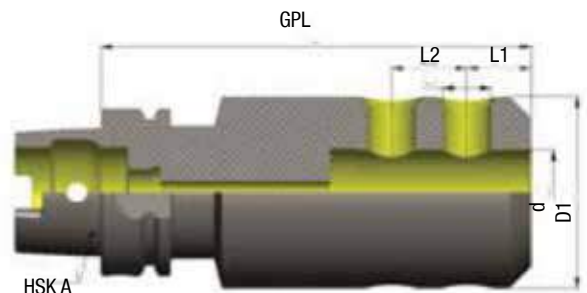
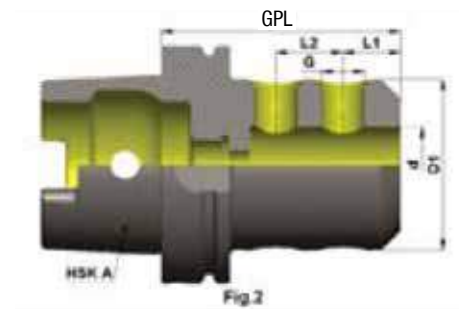
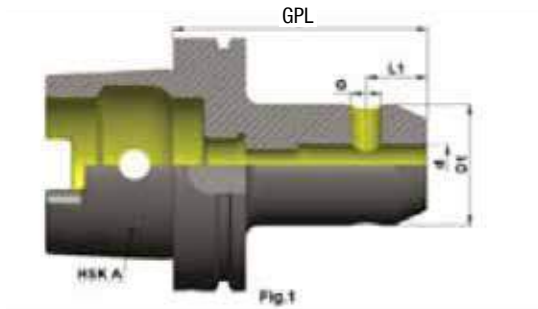


Fig 2

Description	Taper	d	GPL	D1	D2	L1	L2	L3	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
HSKA63EM08160M	HSKA63	8	160	28	38	18	-	32	1.2	M8	1	FBT0500600
HSKA63EM10160M	HSKA63	10	160	35	40	20	-	35	1.2	M10	1	FBT0500601
HSKA63EM12160M	HSKA63	12	160	42	-	22.5	-	-	2	M12	1	FBT0500602
HSKA63EM16160M	HSKA63	16	160	48	-	24	-	-	2.4	M14	1	FBT0500603
HSKA63EM20160M	HSKA63	20	160	52	-	25	-	-	1.7	M16	1	FBT0500604
HSKA63EM25160M	HSKA63	25	160	65	-	24	25	-	3.3	M18X2	2	FBT0500605

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • COOLANT TUBE - 9.097 • ER NUT - 9.084 • SPANNER - 9.085

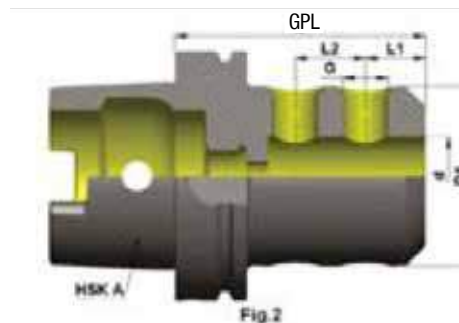
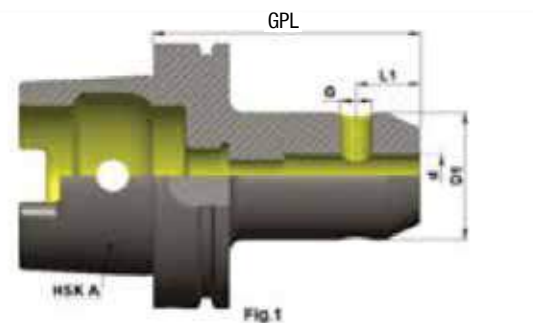
## HSK100 Standard GPL / Form A



Description	Taper	d	GPL	D1	L1	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
HSKA100EM06080M	HSKA100	6	80	25	18	2.1	M6	1	FBT0500606
HSKA100EM08080M	HSKA100	8	80	28	18	2.2	M8	1	FBT0500607
HSKA100EM10080M	HSKA100	10	80	35	20	2.2	M10	1	FBT0500608
HSKA100EM12080M	HSKA100	12	80	42	22.5	2.3	M12	1	FBT0500609

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • COOLANT TUBE - 9.097 • ER NUT - 9.084 • SPANNER - 9.085

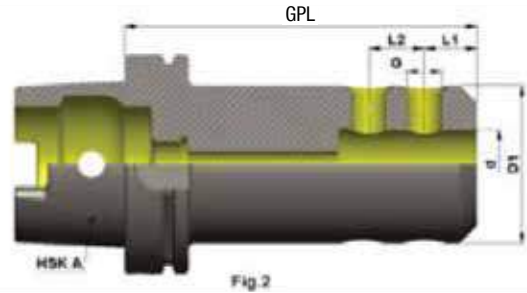
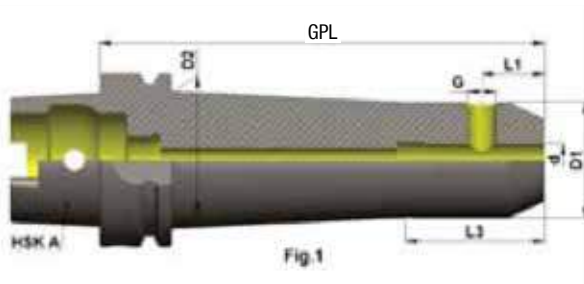
## HSK100 Extended GPL / Form A



Description	Taper	d	GPL	D1	L1	L2	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
HSKA100EM16100M	HSKA100	16	100	48	24	-	2.8	M14	1	FBT0500610
HSKA100EM20100M	HSKA100	20	100	52	25	-	3.1	M16	1	FBT0500611
HSKA100EM25100M	HSKA100	25	100	65	24	25	3.5	M18X2	2	FBT0500612
HSKA100EM32100M	HSKA100	32	100	72	24	28	3.8	M20X2	2	FBT0500613
HSKA100EM40120M	HSKA100	40	120	90	30	32	5.4	M20X2	2	FBT0500614
HSKA100EM50130M	HSKA100	50	130	100	35	35	6.2	M24X2	2	FBT0500615

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • COOLANT TUBE - 9.097 • ER NUT - 9.084 • SPANNER - 9.085

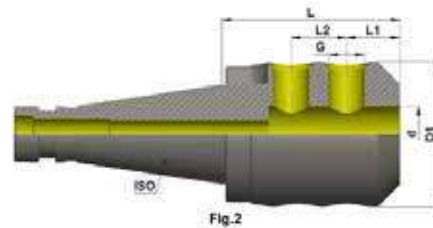
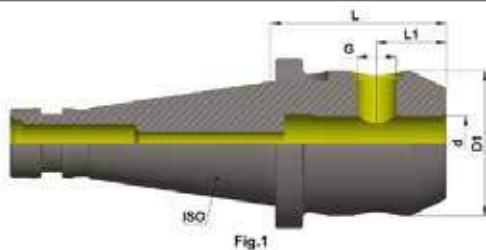
## HSK100 160 GPL / Form A



Description	Taper	d	GPL	D1	L1	L2	D2	L3	Weight (Kg)	G (Grub Screw)	Image Ref	EDP No.
HSKA100EM08160M	HSKA100	8	160	28	18	-	38	32	2.8	M8	1	FBT0500616
HSKA100EM10160M	HSKA100	10	160	35	20	-	42	35	2.8	M10	1	FBT0500617
HSKA100EM12160M	HSKA100	12	160	42	22.5	-	48	35	2.6	M12	1	FBT0500618
HSKA100EM16160M	HSKA100	16	160	48	24	-	54	40	2.8	M14	1	FBT0500619
HSKA100EM20160M	HSKA100	20	160	52	25	-	-	-	3	M16	1	FBT0500620
HSKA100EM25160M	HSKA100	25	160	65	24	25	-	-	5	M18X2	2	FBT0500621
HSKA100EM32160M	HSKA100	32	160	72	24	28	-	-	5.6	M20X2	2	FBT0500622
HSKA100EM40160M	HSKA100	40	160	90	30	32	-	-	6.3	M20X2	2	FBT0500623

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • COOLANT TUBE - 9.097 • ER NUT - 9.084 • SPANNER - 9.085

## ISO40 - Standard GPL / Form AD

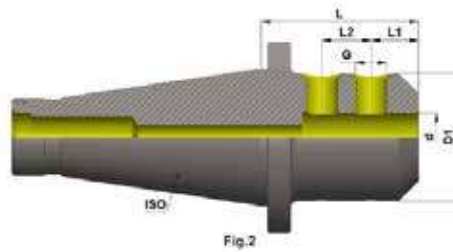
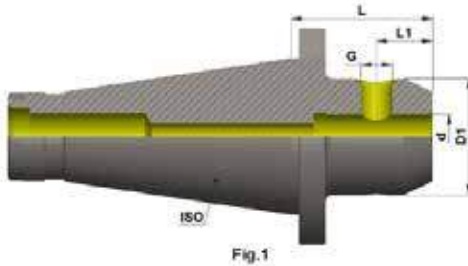


Description	Taper	d	GPL	D1	G	L1	L2	Weight (Kg)	EDP No.
ISO40ADEM10050	ISO40	10	50	35	M10	20	-	1.2	FBT0501613
ISO40ADEM12050	ISO40	12	50	42	M12	22.5	-	1.2	FBT0501614
ISO40ADEM14050	ISO40	14	50	44	M12	22.5	-	1.4	FBT0501615
ISO40ADEM16063	ISO40	16	63	48	M14	24	-	1.4	FBT0501616
ISO40ADEM18063	ISO40	18	63	50	M14	24	-	1.5	FBT0501617
ISO40ADEM20063	ISO40	20	63	52	M16	25	-	1.6	FBT0501618
ISO40ADEM25080	ISO40	25	80	65	M18X2	24	25	1.6	FBT0501619
ISO40ADEM32080	ISO40	32	80	72	M20X2	24	28	2.2	FBT0501620
ISO40ADEM40090	ISO40	40	90	80	M20X2	30	32	3.7	FBT0501621

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

# ISO50 - Standard GPL / Form AD

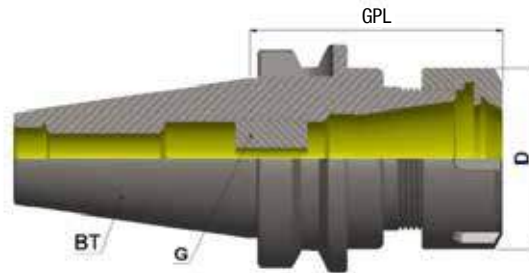
**ISO 50**
**DIN 69871**
**END MILL ADAPTER**
**AT3 Class**
**FORM AD**

**G 6.3**  
15,000 min<sup>-1</sup>


Description	Taper	d	GPL	D1	G	L1	L2	Weight (Kg)	EDP No.
ISO50ADEM10063	ISO50	10	63	35	M10	20	-	3.7	FBT0501622
ISO50ADEM12063	ISO50	12	63	42	M12	22.5	-	3.7	FBT0501623
ISO50ADEM14063	ISO50	14	63	44	M12	22.5	-	3.8	FBT0501624
ISO50ADEM16063	ISO50	16	63	48	M14	24	-	3.8	FBT0501625
ISO50ADEM18063	ISO50	18	63	50	M14	24	-	3.8	FBT0501626
ISO50ADEM20063	ISO50	20	63	52	M16	25	-	3.8	FBT0501627
ISO50ADEM25080	ISO50	25	80	65	M18X2	24	25	4	FBT0501628
ISO50ADEM32080	ISO50	32	80	72	M20X2	24	28	4.3	FBT0501629
ISO50ADEM40090	ISO50	40	90	90	M20X2	30	32	6.2	FBT0501630

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

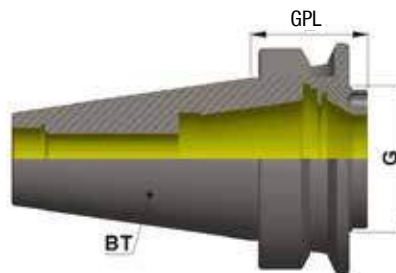
## BT30 Standard GPL / Form A



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
BT30ADER16070M	BT30	ER16	1-10	28	70	FBT0501100	0.7	SCW 7/16	FBT0500250
BT30ADER20070M	BT30	ER20	2-13	35	70	FBT0501102	0.7	M14X1.5	FBT0500251
BT30ADER25070M	BT30	ER25	2-16	42	70	FBT0501104	0.8	M14X1.5	FBT0500252
BT30ADER32070M	BT30	ER32	3-20	50	70	FBT0501106	0.8	M14X1.5	FBT0500253

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

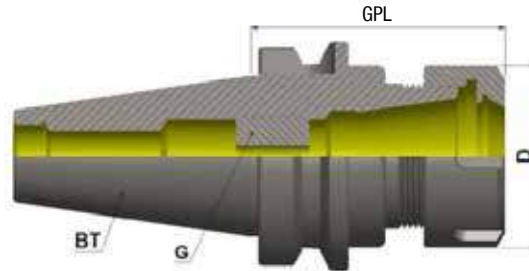
## BT40 Short GPL / Form AD



Description	Taper	Size	GPL	Clamping range	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
BT40ADERSHORT32033	40	ER32	33	2-20	FBT0501301	1.0	M40X1.5	FBT0501588

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

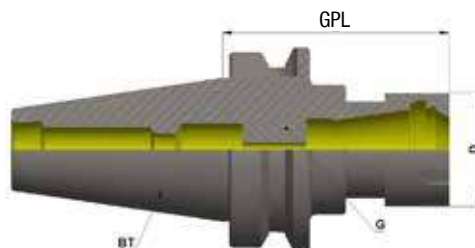
## BT40 Standard GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	Nut	Weight (Kg)	G (Grub Screw)	EDP No.
BT40ADER11070M	BT40	ER11	1-7	19	70	FBT0501099	1.2	M6	FBT0500254
BT40ADER16070M	BT40	ER16	1-10	28	70	FBT0501100	1.2	SCW 7/16	FBT0500255
BT40ADER20070M	BT40	ER20	2-13	35	70	FBT0501102	1.2	M14X1.5	FBT0500256
BT40ADER25070M	BT40	ER25	2-16	42	70	FBT0501104	1.3	M18X1.5	FBT0500257
BT40ADER32070M	BT40	ER32	3-20	50	70	FBT0501106	1.3	M22X1.5	FBT0500258
BT40ADER40070M	BT40	ER40	4-26	63	70	FBT0501107	1.4	M28X1.5	FBT0500259

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

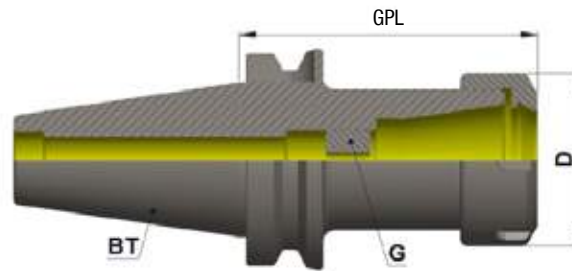
## Bt40 ER mini / Standard GPL / Form AD



Description	Taper	Size	GPL	Clamping range	D	Nut	Weight (Kg)	G (Grub screw)	EDP No.
BT40ADERMINI11070	BT40	ER11	70	1-7	16	FBT0501593	1.10	M6	FBT0501556
BT40ADERMINI16070	BT40	ER16	70	1-10	22	FBT0501101	1.02	SCW7/16	FBT0501557
BT40ADERMINI20070	BT40	ER20	70	1-13	28	FBT0501103	1.02	M14X1.5	FBT0501558
BT40ADERMINI25070	BT40	ER25	70	1-16	35	FBT0501105	1.04	M18X1.5	FBT0501559

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

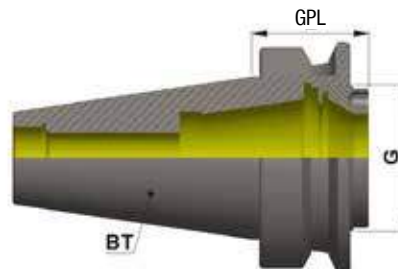
## BT40 100 GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (GRUB SCREW)	EDP No.
BT40ADER16100M	BT40	ER16	1-10	28	100	FBT0501100	1.4	SCW 7/16	FBT0500260
BT40ADER20100M	BT40	ER20	2-13	35	100	FBT0501102	1.4	M14X1.5	FBT0500261
BT40ADER25100M	BT40	ER25	2-16	42	100	FBT0501104	1.4	M18X1.5	FBT0500262
BT40ADER32100M	BT40	ER32	3-20	50	100	FBT0501106	1.6	M22X1.5	FBT0500263
BT40ADER40100M	BT40	ER40	4-26	63	100	FBT0501107	1.9	M28X1.5	FBT0500264
BT40ADER50100M	BT40	ER50	12-34	78	100	FBT0501108	2.3	M22X1.5	FBT0500265

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

## Bt50 Short GPL / Form AD

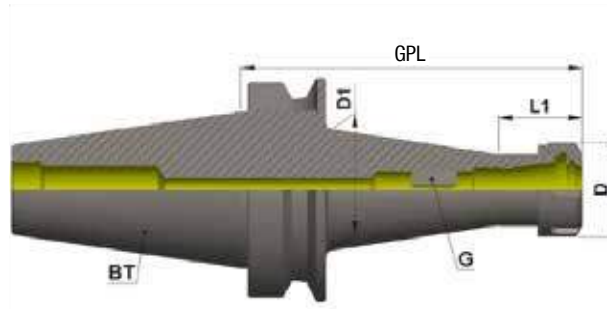


Description	Taper	Size	GPL	Clamping range	D	NUT	Weight (Kg)	EDP No.
BT50ADERSHORT32040	BT50	ER32	40	2-20	M40X1.5	FBT0501301	3.2	FBT0501560
BT50ADERSHORT40045	BT50	ER40	45	3-26	M50X1.5	FBT0501302	3.2	FBT0501561

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085



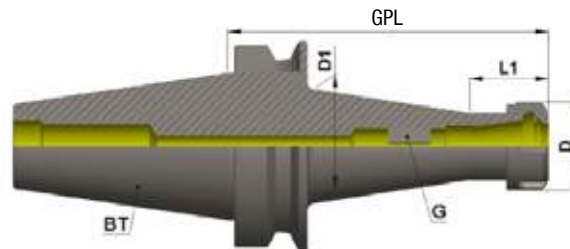
## BT40 160 GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	D1	L1	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
BT40ADER20160M	BT40	ER20	2-13	35	160	34	32.5	FBT0501102	1.5	M14X1.5	FBT0500267
BT40ADER25160M	BT40	ER25	2-16	42	160	40	37	FBT0501104	1.8	M18X1.5	FBT0500268
BT40ADER32160M	BT40	ER32	3-20	50	160	48	33	FBT0501106	2.3	M22X1.5	FBT0500269
BT40ADER40160M	BT40	ER40	4-26	63	160	-	-	FBT0501107	2.3	M28X1.5	FBT0500270

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

## BT40 200 GPL / Form AD

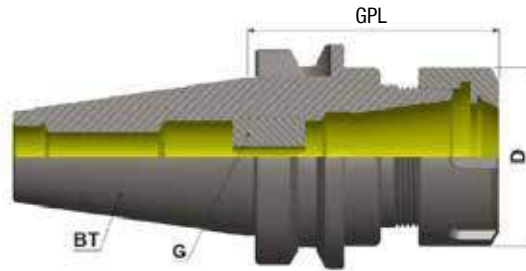


Description	Taper	Collet Size	Clamping Range	D	GPL	D1	L1	Nut	Weight (Kg)	G (Grub Screw)	EDP No.
BT40ADER16200M	BT40	ER16	1-10	28	200	28	31.6	FBT0501100	1.7	SCW 7/16	FBT0500271
BT40ADER25200M	BT40	ER25	2-16	42	200	40	37	FBT0501104	2	M18X1.5	FBT0500272
BT40ADER32200M	BT40	ER32	3-20	50	200	46	33	FBT0501106	2.2	M22X1.5	FBT0500273
BT40ADER40200M	BT40	ER40	4-26	63	200	-	-	FBT0501107	2.2	M28X1.5	FBT0500274

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085



## BT50 Standard GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	Nut	Weight (Kg)	G (Grub Screw)	EDP No.
BT50ADER16080M	BT50	ER16	1-10	28	80	FBT0501100	3.8	SCW 7/16	FBT0500275
BT50ADER20080M	BT50	ER20	2-13	35	80	FBT0501102	3.8	M14X1.5	FBT0500276
BT50ADER25080M	BT50	ER25	2-16	42	80	FBT0501104	3.8	M18X1.5	FBT0500277
BT50ADER32080M	BT50	ER32	3-20	50	80	FBT0501106	3.9	M22X1.5	FBT0500278
BT50ADER40080M	BT50	ER40	4-26	63	80	FBT0501107	4	M28X1.5	FBT0500279

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

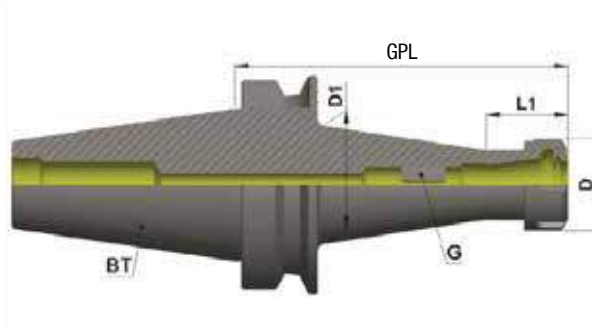
## BT50 100 GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	Nut	Weight (Kg)	G (Grub Screw)	EDP No.
BT50ADER16100M	BT50	ER16	1-10	28	100	FBT0501100	4	SCW 7/16	FBT0500280
BT50ADER25100M	BT50	ER25	2-16	42	100	FBT0501104	4.1	M18X1.5	FBT0500281
BT50ADER32100M	BT50	ER32	3-20	50	100	FBT0501106	4.3	M22X1.5	FBT0500282
BT50ADER40100M	BT50	ER40	4-26	63	100	FBT0501107	4.5	M28X1.5	FBT0500283

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

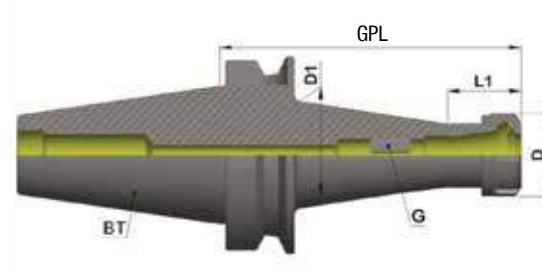
## BT50 160 GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	D1	L1	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
BT50ADER16160M	BT50	ER16	1-10	28	160	28	31.6	FBT0501100	4	SCW 7/16	FBT0500284
BT50ADER25160M	BT50	ER25	2-16	42	160	40	37	FBT0501104	4.5	M18X1.5	FBT0500285
BT50ADER32160M	BT50	ER32	3-20	50	160	50	33	FBT0501106	5	M22X1.5	FBT0500286
BT50ADER40160M	BT50	ER40	4-26	63	160	63	40	FBT0501107	5	M28X1.5	FBT0500287

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

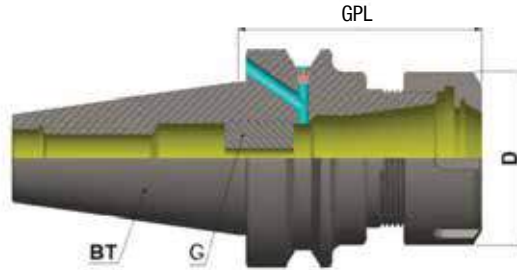
## BT50 200 GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	D1	L1	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
BT50ADER16200M	BT50	ER16	1-10	28	200	28	31.6	FBT0501100	4.2	SCW 7/16	FBT0500288
BT50ADER25200M	BT50	ER25	2-16	42	200	40	37	FBT0501104	4.7	M18X1.5	FBT0500289
BT50ADER32200M	BT50	ER32	3-20	50	200	50	33	FBT0501106	5.2	M22X1.5	FBT0500290
BT50ADER40200M	BT50	ER40	4-26	63	200	62	40	FBT0501107	5.2	M28X1.5	FBT0500291

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

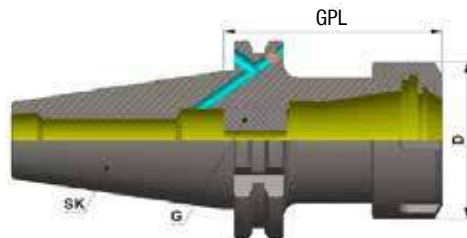
## BT40 Standard GPL / Form AD/B



Description	Taper	Collet size	Clamping range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
BT40ADBER16070M	BT40	ER16	1-10	28	70	FBT0501100	1.2	SCW 7/16	FBT0500292
BT40ADBER20070M	BT40	ER20	2-13	35	70	FBT0501102	1.2	M14X1.5	FBT0500293
BT40ADBER25070M	BT40	ER25	2-16	42	70	FBT0501104	1.3	M18X1.5	FBT0500294
BT40ADBER32070M	BT40	ER32	3-20	50	70	FBT0501106	1.3	M22X1.5	FBT0500295
BT40ADBER40070M	BT40	ER40	4-26	63	70	FBT0501107	1.4	M28X1.5	FBT0500296
BT40ADBER16100M	BT40	ER16	1-10	28	100	FBT0501100	1.4	SCW 7/16	FBT0500297
BT40ADBER20100M	BT40	ER20	2-13	35	100	FBT0501102	1.4	M14X1.5	FBT0500298
BT40ADBER25100M	BT40	ER25	2-16	42	100	FBT0501104	1.4	M18X1.5	FBT0500299
BT40ADBER32100M	BT40	ER32	3-20	50	100	FBT0501106	1.6	M22X1.5	FBT0500300
BT40ADBER40100M	BT40	ER40	4-26	63	100	FBT0501107	1.9	M28X1.5	FBT0500301

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

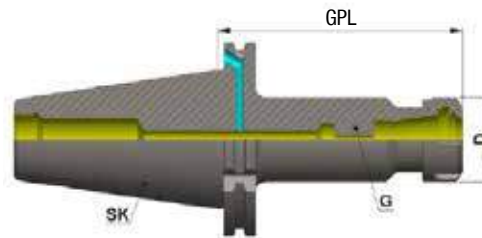
## SK40 Collet Chucks / Form AD/B



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
SK40ADBER16063M	SK40	ER16	1-10	16	63	FBT0501100	0.9	SCW 7/16	FBT0500437
SK40ADBER25060M	SK40	ER25	2-16	25	60	FBT0501104	1	M18X1.5	FBT0500438
SK40ADBER32070M	SK40	ER32	3-20	32	70	FBT0501106	1.1	M22X1.5	FBT0500439
SK40ADBER40080M	SK40	ER40	4-26	40	80	FBT0501107	1.4	M28X1.5	FBT0500440

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

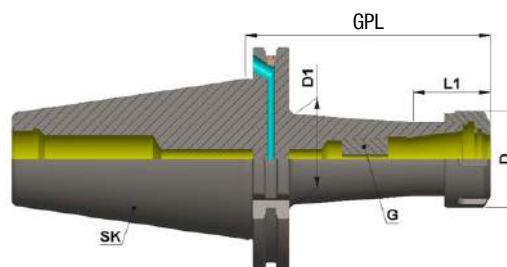
## SK40 Collet Chucks 100 GPL / Form AD/B



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
SK40ADBER16100M	SK40	ER16	1-10	16	100	FBT0501100	1.1	SCW 7/16	FBT0500441
SK40ADBER25100M	SK40	ER25	2-16	25	100	FBT0501104	1.3	M18X1.5	FBT0500442
SK40ADBER32100M	SK40	ER32	3-20	32	100	FBT0501106	1.3	M22X1.5	FBT0500443
SK40ADBER40100M	SK40	ER40	4-26	40	100	FBT0501107	1.6	M28X1.5	FBT0500444

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

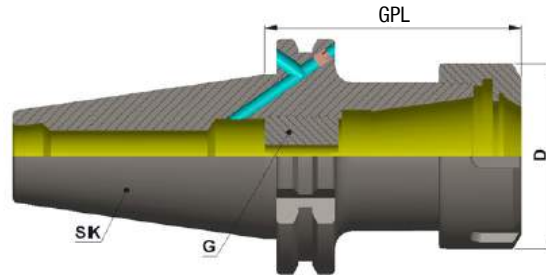
## SK40 Collet Chucks 160 GPL / Form AD/B



Description	Taper	Collet Size	Clamping Range	D	GPL	D1	L1	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
SK40ADBER16160M	SK40	ER16	1-10	16	160	22	34	FBT0501100	1.5	SCW 7/16	FBT0500445
SK40ADBER25160M	SK40	ER25	2-16	25	160	32	33	FBT0501104	1.9	M18X1.5	FBT0500446
SK40ADBER32160M	SK40	ER32	3-20	32	160	40	33	FBT0501106	1.9	M22X1.5	FBT0500447

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

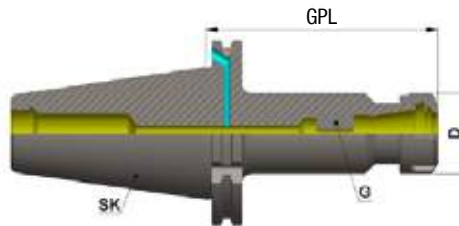
## SK50 Collet Chucks Standard GPL / Form AD/B



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
SK50ADBER25070M	SK50	ER25	2-16	25	70	FBT0501104	2.8	M18X1.5	FBT0500448
SK50ADBER32070M	SK50	ER32	3-20	32	70	FBT0501106	3	M22X1.5	FBT0500449
SK50ADBER40070M	SK50	ER40	4-26	40	70	FBT0501107	3.1	M28X1.5	FBT0500450

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

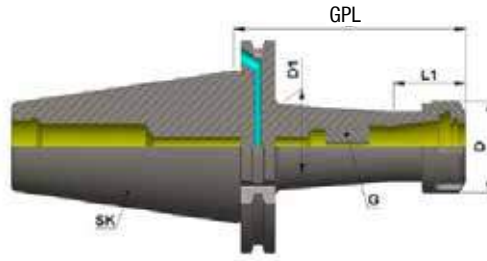
## SK50 Collet Chucks 100 GPL / Form AD/B



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
SK50ADBER16100M	SK50	ER16	1-10	16	100	FBT0501100	2.9	SCW 7/16	FBT0500451
SK50ADBER25100M	SK50	ER25	2-16	25	100	FBT0501104	3.2	M18X1.5	FBT0500452
SK50ADBER32100M	SK50	ER32	3-20	32	100	FBT0501106	3.4	M22X1.5	FBT0500453
SK50ADBER40100M	SK50	ER40	4-26	40	100	FBT0501107	3.5	M28X1.5	FBT0500454

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

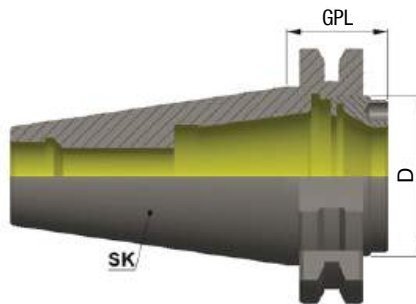
## SK50 Collet Chucks 160 GPL / Form AD/B



Description	Taper	Collet Size	Clamping Range	D	GPL	D1	L1	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
SK50ADBER16160M	SK50	ER16	1-10	16	160	28	30.6	FBT0501100	3.1	SCW 7/16	FBT0500455
SK50ADBER25160M	SK50	ER25	2-16	25	160	40	32	FBT0501104	3.4	M18X1.5	FBT0500456
SK50ADBER32160M	SK50	ER32	3-20	32	160	48	33	FBT0501106	3.8	M22X1.5	FBT0500457

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

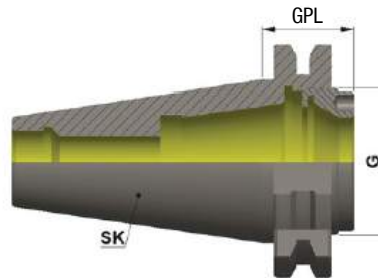
## SK40 Collet Chucks Short GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	EDP No.
SK40ADER32025M	SK40	ER32	3-20	32	25	FBT0501301	0.6	FBT0500458

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

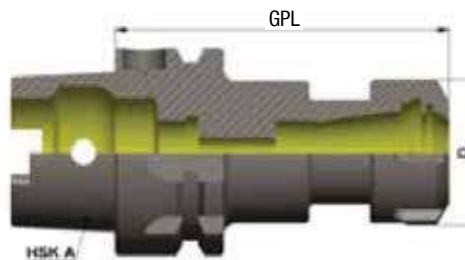
## SK50 Collet Chucks Short GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	EDP No.
SK50ADER40026M	SK50	ER40	4-26	40	26	FBT0501302	2.2	FBT0500459

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

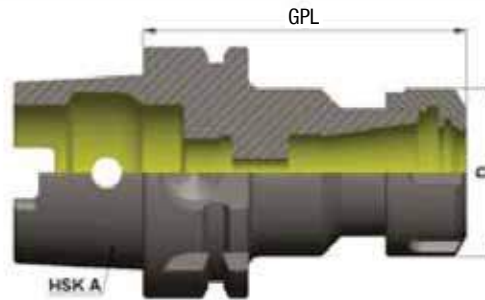
## HSK50 Collet Chucks Standard GPL / Form AD



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
HSKA50ER16080M	HSKA50	ER16	1-10	16	80	FBT0501100	0.6	-	FBT0500559
HSKA50ER20080M	HSKA50	ER20	2-13	20	80	FBT0501102	0.6	-	FBT0500560
HSKA50ER25080M	HSKA50	ER25	2-16	25	80	FBT0501104	0.6	-	FBT0500561
HSKA50ER32080M	HSKA50	ER32	3-20	32	80	FBT0501106	0.6	-	FBT0500562

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • COOLANT TUBE - 9.097 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

## HSK63 Collet Chucks Standard GPL / Form A



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
HSKA63ER16080M	HSKA63	ER16	1-10	16	80	FBT0501100	0.8	-	FBT0500563
HSKA63ER20080M	HSKA63	ER20	2-13	20	80	FBT0501102	0.8	-	FBT0500564
HSKA63ER25080M	HSKA63	ER25	2-16	25	80	FBT0501104	0.9	-	FBT0500565
HSKA63ER32080M	HSKA63	ER32	3-20	32	80	FBT0501106	1	-	FBT0500566
HSKA63ER40100M	HSKA63	ER40	4-26	40	100	FBT0501107	1.2	-	FBT0500567

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • COOLANT TUBE - 9.097 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

## HSK63 Collet Chucks Extended GPL / Form A

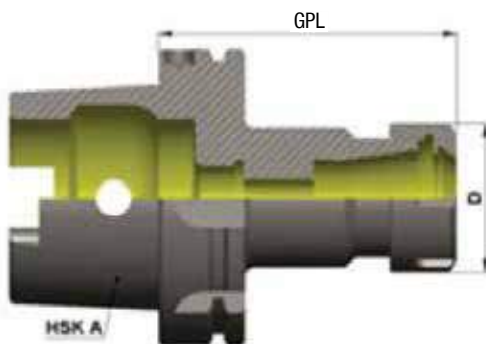


Description	Taper	Collet Size	Clamping Range	D	GPL	D1	L1	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
HSKA63ER16160M	HSKA63	ER16	1-10	16	160	-	-	FBT0501100	1.3	SCW7/16	FBT0500568
HSKA63ER20160M	HSKA63	ER20	2-13	20	160	35	32.5	FBT0501102	1.5	M14X1.5	FBT0500569
HSKA63ER25160M	HSKA63	ER25	2-16	25	160	42	32	FBT0501104	1.6	M18X1.5	FBT0500570
HSKA63ER32160M	HSKA63	ER32	3-20	32	160	50	34.5	FBT0501106	1.9	M22X1.5	FBT0500571
HSKA63ER40160M	HSKA63	ER40	4-26	40	160	-	-	FBT0501107	2.1	M28X1.5	FBT0500572

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • COOLANT TUBE - 9.097 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085



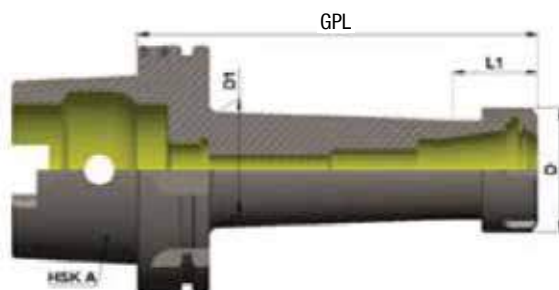
## HSK100 Collet Chucks Standard GPL / Form A



Description	Taper	Collet Size	Clamping Range	D	GPL	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
HSKA100ER16100M	HSKA100	ER16	1-10	16	100	FBT0501100	2.2	SCW7/16	FBT0500573
HSKA100ER20100M	HSKA100	ER20	2-13	20	100	FBT0501102	2.4	M14X1.5	FBT0500574
HSKA100ER25100M	HSKA100	ER25	2-16	25	100	FBT0501104	2.5	M12	FBT0500575
HSKA100ER32100M	HSKA100	ER32	3-20	32	100	FBT0501106	2.7	M12	FBT0500576
HSKA100ER40100M	HSKA100	ER40	4-26	40	100	FBT0501107	2.8	-	FBT0500577
HSKA100ER50120M	HSKA100	ER50	12-34	50	120	FBT0501108	3.3	-	FBT0500578

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • COOLANT TUBE - 9.097 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

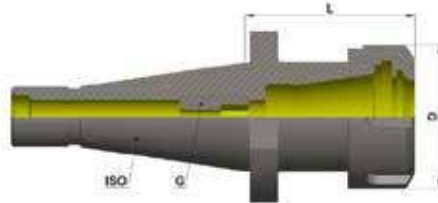
## HSK100 Collet Chucks Extended GPL / Form A



Description	Taper	Collet Size	Clamping Range	D	GPL	D1	L1	NUT	Weight (Kg)	G (Grub Screw)	EDP No.
HSKA100ER16160M	HSKA100	ER16	1-10	16	160	42	32	FBT0501100	2.6	SCW7/16	FBT0500579
HSKA100ER25160M	HSKA100	ER25	2-16	25	160	47	35	FBT0501104	3	M18X1.5	FBT0500580
HSKA100ER32160M	HSKA100	ER32	3-20	32	160	63	45	FBT0501106	3.2	M22X1.5	FBT0500581
HSKA100ER40160M	HSKA100	ER40	4-26	40	160	-	-	FBT0501107	3.9	M28X1.5	FBT0500582

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • COOLANT TUBE - 9.097 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

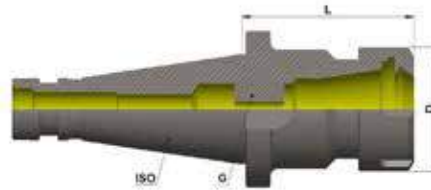
## ISO30 - Standard GPL / Form AD



Description	Taper	Er Collet	GPL	Clamping range	G	D	NUT	Weight (Kgs)	EDP No.
ISO30ADER25050	ISO30	ER25	50	1-16	M12	42	FBT0501104	0.7	FBT0501605
ISO30ADER32070	ISO30	ER32	70	2-20	M12	50	FBT0501106	0.7	FBT0501606

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

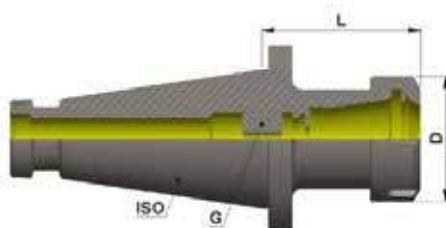
## ISO40 - Standard GPL / Form AD



Description	Taper	Er Collet	GPL	Clamping range	G	D	NUT	Weight (Kgs)	EDP No.
ISO40ADER25050	ISO40	ER25	50	1-16	M18X1.5	42	FBT0501104	1	FBT0501608
ISO40ADER32070	ISO40	ER32	70	2-20	M22X1.5	50	FBT0501106	1.3	FBT0501609
ISO40ADER40070	ISO40	ER40	70	3-26	M28X1.5	63	FBT0501607	1.3	FBT0501610

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

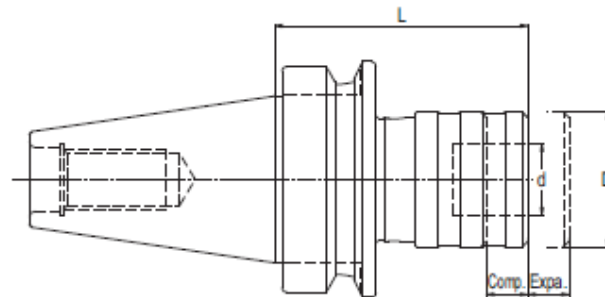
## ISO50 - Standard GPL / Form AD



Description	Taper	Er Collet	GPL	Clamping range	G	D	NUT	Weight (Kgs)	EDP No.
ISO50ADER32080	ISO50	ER32	80	2-20	M22X1.5	50	FBT0501106	3.3	FBT0501611
ISO50ADER40080	ISO50	ER40	80	3-26	M28X1.5	63	FBT0501607	3.3	FBT0501612

FOR ACCESSORIES REFER PAGE NO: COLLET - 9.076 • PULLSTUD - 9.080 • SCREW - 9.093 • ER NUT - 9.084 • SPANNER - 9.085

## BT30 Taper (JIS 63339)



### BT30 QUICK CHANGE TAP COLLET CHUCKS / FORM A



Description	d	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
BT30AQCTA64A	19	36	64	7.5	7.5	M3-M12	QCTA	FBT0501304

FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • PULLSTUD - 9.080

### BT40 QUICK CHANGE TAP COLLET CHUCKS / FORM A



Description	d	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
BT40AQCTA68A	19	36	68	7.5	7.5	M3-M12	QCTA	FBT0501305
BT40AQCTA95B	31	53	95	12.5	12.5	M8-M20	QCTB	FBT0501306

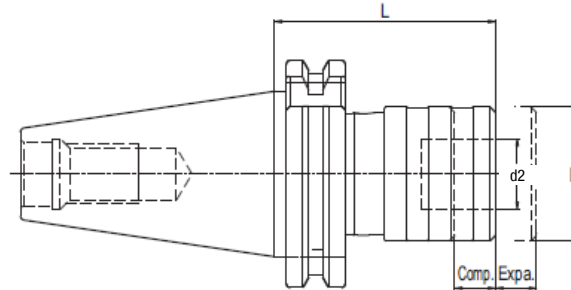
FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • PULLSTUD - 9.080

### BT50 QUICK CHANGE TAP COLLET CHUCKS / FORM A



Description	d	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
BT50AQCTA78A	19	36	78	7.5	7.5	M3-M12	QCTA	FBT0501307
BT50AQCTA103B	31	53	103	12.5	12.5	M8-M20	QCTB	FBT0501308

FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • PULLSTUD - 9.080

**SK Taper (DIN 69871)**

**SK30 QUICK CHANGE TAP COLLET CHUCKS / FORM A**


Description	d2	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
SK30AQCTA64A	19	36	64	7.5	7.5	M3-M12	QCTA	FBT0501597

FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • PULLSTUD - 9.080

**SK40 QUICK CHANGE TAP COLLET CHUCKS / FORM A**

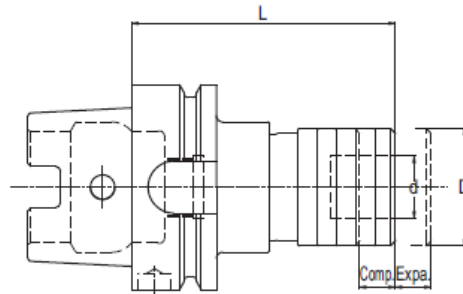

Description	d2	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
SK40AQCTA60A	19	36	60	7.5	7.5	M3-M12	QCTA	FBT0501309
SK40AQCTA98B	31	53	98	12.5	12.5	M8-M20	QCTB	FBT0501310

FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • PULLSTUD - 9.080

**SK50 QUICK CHANGE TAP COLLET CHUCKS / FORM A**


Description	d2	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
SK50AQCTA60A	19	36	60	7.5	7.5	M3-M12	QCTA	FBT0501311
SK50AQCTA84B	31	53	84	12.5	12.5	M8-M20	QCTB	FBT0501312

FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • PULLSTUD - 9.080

**HSK Taper (DIN 69893)**

**■ HSK50 QUICK CHANGE TAP COLLET CHUCK / FORM A**


Description	d2	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
HSK50AQCTA76A	19	36	76	7.5	7.5	M3-M12	QCTA	FBT0501313
HSK50AQCTA123B	31	53	123	12.5	12.5	M8-M20	QCTB	FBT0501314

FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • COOLANT TUBE - 9.097

**■ HSK63 QUICK CHANGE TAP COLLET CHUCK / FORM A**


Description	d2	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
HSK63AQCTA81A	19	36	81	7.5	7.5	M3-M12	QCTA	FBT0501315
HSK63AQCTA119B	31	53	119	12.5	12.5	M8-M20	QCTB	FBT0501316

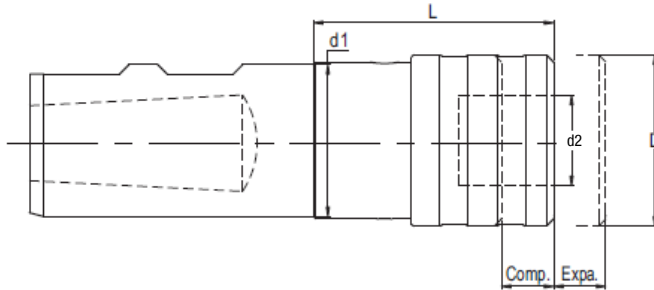
FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • COOLANT TUBE - 9.097

**■ HSK100 QUICK CHANGE TAP COLLET CHUCK / FORM A**


Description	d2	D	L	Length Compensation (mm)		Tap Size	Suitable Adaptor	EDP No.
				Compression	Expansion			
HSK100AQCTA90A	19	36	90	7.5	7.5	M3-M12	QCTA	FBT0501317
HSK100AQCTA138B	31	53	138	12.5	12.5	M8-M20	QCTB	FBT0501318

FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • COOLANT TUBE - 9.097

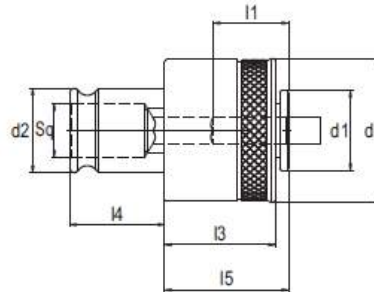
Straight shank



■ STRAIGHT SHANK QUICK CHANGE TAP COLLET CHUCK / FORM A

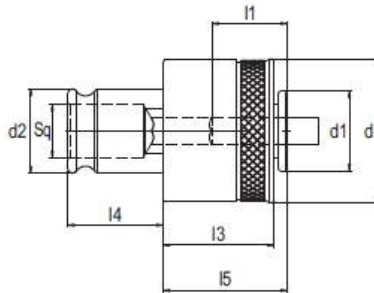
Description	d1	d2	D	L	Length Compensation (Mm)		Tap Size	Suitable Adaptor	EDP No.
					Compression	Expansion			
SS25AQCTA40A	25	19	36	40	7.5	7.5	M3-M12	QCTA	FBT0501319
SS25AQCTA63B	25	31	53	63	12.5	12.5	M8-M20	QCTB	FBT0501320
SS32AQCTA40A	32	19	36	40	7.5	7.5	M3-M12	QCTA	FBT0501321
SS32AQCTA63B	32	31	53	63	12.5	12.5	M8-M20	QCTB	FBT0501322
SS40AQCTA40A	40	19	36	40	7.5	7.5	M3-M12	QCTA	FBT0501323
SS40AQCTA63B	40	31	53	63	12.5	12.5	M8-M20	QCTB	FBT0501324

FOR ACCESSORIES REFER PAGE NO: QCT ADAPTER - 9.039 • PULLSTUD - 9.080

**Quick change tapping adaptor with safety clutch**

**TYPE A**

Description	d	d1	d2	l1	l3	l4	l5	Suitable Tap	Shank Dia	Square Dia	EDP No.
QCTATC02500210M180	32	19	19	17	25	21.5	25	M1.8	2.5	2.1	FBT0501325
QCTATC02500210M200	32	19	19	17	25	21.5	25	M2	2.5	2.1	FBT0501326
QCTATC02800210M200	32	19	19	17	25	21.5	25	M2	2.8	2.1	FBT0501327
QCTATC03150250M300	32	19	19	17	25	21.5	25	M3	3.15	2.5	FBT0501328
QCTATC03150250M400	32	19	19	17	25	21.5	25	M4	3.15	2.5	FBT0501329
QCTATC03500270M300	32	19	19	17	25	21.5	25	M3	3.5	2.7	FBT0501330
QCTATC03500270M500	32	19	19	17	25	21.5	25	M5	3.5	2.7	FBT0501331
QCTATC03550280M350	32	19	19	17	25	21.5	25	M3.5	3.55	2.8	FBT0501332
QCTATC03550280M450	32	19	19	17	25	21.5	25	M4.5	3.55	2.8	FBT0501333
QCTATC04000300M300	32	19	19	17	25	21.5	25	M3	4	3	FBT0501334
QCTATC04000300M350	32	19	19	17	25	21.5	25	M3.5	4	3	FBT0501335
QCTATC04000300M400	32	19	19	17	25	21.5	25	M4	4	3	FBT0501336
QCTATC04000315M400	32	19	19	17	25	21.5	25	M4	4	3.15	FBT0501337
QCTATC04000315M500	32	19	19	17	25	21.5	25	M5	4	3.15	FBT0501338
QCTATC04000320M300	32	19	19	17	25	21.5	25	M3	4	3.2	FBT0501339
QCTATC04500340M400	32	19	19	17	25	21.5	25	M4	4.5	3.4	FBT0501340
QCTATC04500340M600	32	19	19	17	25	21.5	25	M6	4.5	3.4	FBT0501341
QCTATC04500355M600	32	19	19	17	25	21.5	25	M6	4.5	3.55	FBT0501342
QCTATC05000400M400	32	19	19	17	25	21.5	25	M4	5	4	FBT0501343
QCTATC05000400M450	32	19	19	17	25	21.5	25	M4.5	5	4	FBT0501344
QCTATC05000400M500	32	19	19	17	25	21.5	25	M5	5	4	FBT0501345
QCTATC05500450M500	32	19	19	17	25	21.5	25	M5	5.5	4.5	FBT0501346
QCTATC05500450M550	32	19	19	17	25	21.5	25	M5.5	5.5	4.5	FBT0501347
QCTATC05600450M700	32	19	19	17	25	21.5	25	M7	5.6	4.5	FBT0501348
QCTATC06000450M600	32	19	19	17	25	21.5	25	M6	6	4.5	FBT0501349
QCTATC06000490M500	32	19	19	17	25	21.5	25	M5	6	4.9	FBT0501350
QCTATC06000490M600	32	19	19	17	25	21.5	25	M6	6	4.9	FBT0501351
QCTATC06000490M800	32	19	19	17	25	21.5	25	M8	6	4.9	FBT0501352
QCTATC06200500M700	32	19	19	17	25	21.5	25	M7	6.2	5	FBT0501353
QCTATC06200500M800	32	19	19	17	25	21.5	25	M8	6.2	5	FBT0501354
QCTATC06300500M600	32	19	19	17	25	21.5	25	M6	6.3	5	FBT0501355
QCTATC06300500M800	32	19	19	17	25	21.5	25	M8	6.3	5	FBT0501356
QCTATC07000550M900	32	19	19	17	25	21.5	25	M9	7	5.5	FBT0501357
QCTATC07000550M100	32	19	19	17	25	21.5	25	M10	7	5.5	FBT0501358
QCTATC07100560M100	32	19	19	17	25	21.5	25	M10	7.1	5.6	FBT0501359
QCTATC08000600M110	32	19	19	17	25	21.5	25	M11	8	6	FBT0501360
QCTATC08000620M110	32	19	19	17	25	21.5	25	M11	8	6.2	FBT0501361
QCTATC08000620M800	32	19	19	17	25	21.5	25	M8	8	6.2	FBT0501362
QCTATC08000630M800	32	19	19	17	25	21.5	25	M8	8	6.3	FBT0501363
QCTATC08000630M100	32	19	19	17	25	21.5	25	M10	8	6.3	FBT0501364
QCTATC08500650M120	32	19	19	17	25	21.5	25	M12	8.5	6.5	FBT0501365
QCTATC09000700M120	32	19	19	17	25	21.5	25	M12	9	7	FBT0501366
QCTATC09000710M120	32	19	19	17	25	21.5	25	M12	9	7.1	FBT0501367
QCTATC10000800M100	32	19	19	17	25	21.5	25	M10	10	8	FBT0501368
QCTATC10500800M140	32	19	19	17	25	21.5	25	M14	10.5	8	FBT0501369
QCTATC10500800M150	32	19	19	17	25	21.5	25	M15	10.5	8	FBT0501370
QCTATC11000900M140	32	19	19	17	25	21.5	25	M14	11	9	FBT0501371
QCTATC11200900M140	32	19	19	17	25	21.5	25	M14	11.2	9	FBT0501372

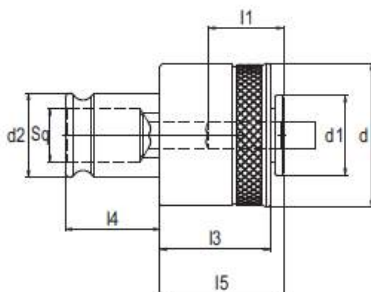
# Straight shank


**TYPE B**

Description	d	d1	d2	l1	l3	l4	l5	Suitable Tap	Shank Dia	Square Dia	EDP No.
QCTBTC06000490M500	50	30	31	30	31	35	34	M5	6	4.9	FBT0501373
QCTBTC06000490M600	50	30	31	30	31	35	34	M6	6	4.9	FBT0501374
QCTBTC06000490M800	50	30	31	30	31	35	34	M8	6	4.9	FBT0501375
QCTBTC06200050M700	50	30	31	30	31	35	34	M7	6.2	5	FBT0501376
QCTBTC06200050M800	50	30	31	30	31	35	34	M8	6.2	5	FBT0501377
QCTBTC06300050M600	50	30	31	30	31	35	34	M6	6.3	5	FBT0501378
QCTBTC07000550M900	50	30	31	30	31	35	34	M9	7	5.5	FBT0501379
QCTBTC07000550M100	50	30	31	30	31	35	34	M10	7	5.5	FBT0501380
QCTBTC07100560M100	50	30	31	30	31	35	34	M10	7.1	5.6	FBT0501381
QCTBTC08000600M110	50	30	31	30	31	35	34	M11	8	6	FBT0501382
QCTBTC08000620M110	50	30	31	30	31	35	34	M11	8	6.2	FBT0501383
QCTBTC08000620M800	50	30	31	30	31	35	34	M8	8	6.2	FBT0501384
QCTBTC08000630M800	50	30	31	30	31	35	34	M8	8	6.3	FBT0501385
QCTBTC08000630M100	50	30	31	30	31	35	34	M10	8	6.3	FBT0501386
QCTBTC08500650M120	50	30	31	30	31	35	34	M12	8.5	6.5	FBT0501387
QCTBTC09000700M120	50	30	31	30	31	35	34	M12	9	7	FBT0501388
QCTBTC09000710M120	50	30	31	30	31	35	34	M12	9	7.1	FBT0501389
QCTBTC10000800M100	50	30	31	30	31	35	34	M10	10	8	FBT0501390
QCTBTC10500800M140	50	30	31	30	31	35	34	M14	10.5	8	FBT0501391
QCTBTC10500800M150	50	30	31	30	31	35	34	M15	10.5	8	FBT0501392
QCTBTC11000900M140	50	30	31	30	31	35	34	M14	11	9	FBT0501393
QCTBTC11200900M140	50	30	31	30	31	35	34	M14	11.2	9	FBT0501394
QCTBTC12000900M160	50	30	31	30	31	35	34	M16	12	9	FBT0501395
QCTBTC12501000M160	50	30	31	30	31	35	34	M16	12.5	10	FBT0501396
QCTBTC13001000M170	50	30	31	30	31	35	34	M17	13	10	FBT0501397
QCTBTC14001100M180	50	30	31	30	31	35	34	M18	14	11	FBT0501398
QCTBTC14001120M180	50	30	31	30	31	35	34	M18	14	11.2	FBT0501399
QCTBTC14001120M200	50	30	31	30	31	35	34	M20	14	11.2	FBT0501400
QCTBTC15001200M200	50	30	31	30	31	35	34	M20	15	12	FBT0501401
QCTBTC16001200M200	50	30	31	30	31	35	34	M20	16	12	FBT0501402
QCTBTC16001250M220	50	30	31	30	31	35	34	M22	16	12.5	FBT0501403
QCTBTC17001300M220	50	30	31	30	31	35	34	M22	17	13	FBT0501404
QCTBTC18001400M240	50	30	31	30	31	35	34	M24	18	14	FBT0501405
QCTBTC18001450M220	50	30	31	30	31	35	34	M22	18	14.5	FBT0501406
QCTBTC18001450M240	50	30	31	30	31	35	34	M24	18	14.5	FBT0501407
QCTBTC19001500M240	50	30	31	30	31	35	34	M24	19	15	FBT0501408

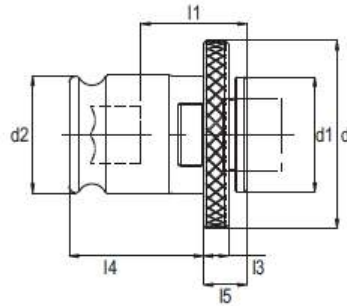


## Quick change tapping adaptor with safety clutch


**TYPE A**

Description	d	d1	d2	l1	l3	l4	l5	Suitable Tap	Shank Dia	Square Dia	EDP No.
QCTASC02500210M180	30	19	19	17	25	21.5	25	M1.8	2.5	2.1	FBT0501409
QCTASC02800210M200	30	19	19	17	25	21.5	25	M2	2.8	2.1	FBT0501410
QCTASC03150250M300	30	19	19	17	25	21.5	25	M3	3.15	2.5	FBT0501411
QCTASC03500270M300	30	19	19	17	25	21.5	25	M3	3.5	2.7	FBT0501412
QCTASC03550280M350	30	19	19	17	25	21.5	25	M3.5	3.55	2.8	FBT0501413
QCTASC04000300M300	30	19	19	17	25	21.5	25	M3	4	3	FBT0501414
QCTASC04000315M400	30	19	19	17	25	21.5	25	M4	4	3.15	FBT0501415
QCTASC04000320M300	30	19	19	17	25	21.5	25	M3	4	3.2	FBT0501416
QCTASC04500340M400	30	19	19	17	25	21.5	25	M4	4.5	3.4	FBT0501417
QCTASC04500355M600	30	19	19	17	25	21.5	25	M6	4.5	3.55	FBT0501418
QCTASC05000400M400	30	19	19	17	25	21.5	25	M4	5	4	FBT0501419
QCTASC05500450M500	30	19	19	17	25	21.5	25	M5	5.5	4.5	FBT0501420
QCTASC05600450M700	30	19	19	17	25	21.5	25	M7	5.6	4.5	FBT0501421
QCTASC06000450M600	30	19	19	17	25	21.5	25	M6	6	4.5	FBT0501422
QCTASC06000490M500	30	19	19	17	25	21.5	25	M5	6	4.9	FBT0501423
QCTASC06200500M700	30	19	19	17	25	21.5	25	M7	6.2	5	FBT0501424
QCTASC06300500M600	30	19	19	17	25	21.5	25	M6	6.3	5	FBT0501425
QCTASC07000550M900	30	19	19	17	25	21.5	25	M9	7	5.5	FBT0501426
QCTASC07100560M100	30	19	19	17	25	21.5	25	M10	7.1	5.6	FBT0501427
QCTASC08000600M110	30	19	19	17	25	21.5	25	M11	8	6	FBT0501428
QCTASC08000620M110	30	19	19	17	25	21.5	25	M11	8	6.2	FBT0501429
QCTASC08000630M800	30	19	19	17	25	21.5	25	M8	8	6.3	FBT0501430
QCTASC08500650M120	30	19	19	17	25	21.5	25	M12	8.5	6.5	FBT0501431
QCTASC09000700M120	30	19	19	17	25	21.5	25	M12	9	7	FBT0501432
QCTASC09000710M120	30	19	19	17	25	21.5	25	M12	9	7.1	FBT0501433
QCTASC10000800M100	30	19	19	17	25	21.5	25	M10	10	8	FBT0501434
QCTASC10500800M140	30	19	19	17	25	21.5	25	M14	10.5	8	FBT0501435
QCTASC11000900M140	30	19	19	17	25	21.5	25	M14	11	9	FBT0501436
QCTASC11200900M140	30	19	19	17	25	21.5	25	M14	11.2	9	FBT0501437

## Quick change tapping adaptor without safety clutch


**TYPE B**

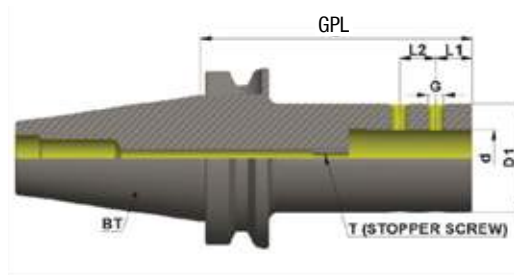
Description	d	d1	d2	l1	l3	l4	l5	Suitable Tap	Shank Dia	Square Dia	EDP No.
QCTBSC06000490M800	50	30	31	30	31	35	34	M8	6	4.9	FBT0501438
QCTBSC06200050M800	50	30	31	30	31	35	34	M8	6.2	5	FBT0501439
QCTBSC06300050M600	50	30	31	30	31	35	34	M6	6.3	5	FBT0501464
QCTBSC07000550M900	50	30	31	30	31	35	34	M9	7	5.5	FBT0501440
QCTBSC07100560M100	50	30	31	30	31	35	34	M10	7.1	5.6	FBT0501441
QCTBSC08000600M110	50	30	31	30	31	35	34	M11	8	6	FBT0501442
QCTBSC08000620M110	50	30	31	30	31	35	34	M11	8	6.2	FBT0501443
QCTBSC08000630M800	50	30	31	30	31	35	34	M8	8	6.3	FBT0501444
QCTBSC08500650M120	50	30	31	30	31	35	34	M12	8.5	6.5	FBT0501445
QCTBSC09000700M120	50	30	31	30	31	35	34	M12	9	7	FBT0501446
QCTBSC09000710M120	50	30	31	30	31	35	34	M12	9	7.1	FBT0501447
QCTBSC10000800M100	50	30	31	30	31	35	34	M10	10	8	FBT0501448
QCTBSC10500800M140	50	30	31	30	31	35	34	M14	10.5	8	FBT0501449
QCTBSC11000900M140	50	30	31	30	31	35	34	M14	11	9	FBT0501450
QCTBSC11200900M140	50	30	31	30	31	35	34	M14	11.2	9	FBT0501451
QCTBSC12000900M160	50	30	31	30	31	35	34	M16	12	9	FBT0501452
QCTBSC12501000M160	50	30	31	30	31	35	34	M16	12.5	10	FBT0501453
QCTBSC13001000M170	50	30	31	30	31	35	34	M17	13	10	FBT0501454
QCTBSC14001100M180	50	30	31	30	31	35	34	M18	14	11	FBT0501455
QCTBSC14001120M180	50	30	31	30	31	35	34	M18	14	11.2	FBT0501456
QCTBSC15001200M200	50	30	31	30	31	35	34	M20	15	12	FBT0501457
QCTBSC16001200M200	50	30	31	30	31	35	34	M20	16	12	FBT0501458
QCTBSC16001250M220	50	30	31	30	31	35	34	M22	16	12.5	FBT0501459
QCTBSC17001300M220	50	30	31	30	31	35	34	M22	17	13	FBT0501460
QCTBSC18001400M240	50	30	31	30	31	35	34	M24	18	14	FBT0501461
QCTBSC18001450M220	50	30	31	30	31	35	34	M22	18	14.5	FBT0501462
QCTBSC19001500M240	50	30	31	30	31	35	34	M24	19	15	FBT0501463



**Tap shank dimensions to ISO / DIN / JIS - technical data**

Dimension Dia x Square	ISO 529	DIN 352	DIN 371	DIN 374	DIN 376	JIS Standards
2.8 x 2.1			M 1.8 & M 2			
3.15 x 2.5	M 3 & M 14					
3.5 x 2.7		M 3	M 3	M 5	M 5	
3.55 x 2.8	M 3.5 & M 4.5					
4 x 3		M 4	M 3.5			M 3 & M 3.5
4 x 3.15	M 4 & M 5					
4.5 x 3.4		M 4	M 4	M 6	M 6	
4.5 x 3.55	M 6					
5 x 4	M 5					M 4 & M 4.5
5.5 x 4.5						M 5
6 x 4.5						M 6
6 x 4.9		M 5, M 6 & M 8	M 5 & M 6	M 8	M 8	
6.2 x 5						M 7 & M 8
6.3 x 5	M 6 & M 8					
7 x 5.5		M 10		M 10	M 10	M 9 & M 10
8 x 6.2			M 8			M 11
8 x 6.3	M 8 & M 10					
8.5 x 6.5						M 12
9 x 7		M 12		M 12	M 12	
9 x 7.1	M 12					
10 x 8	M 10		M 10			
10.5 x 8						M 14
11 x 9		M 14		M 14	M 14	
11.2 x 9	M 14					
12 x 9		M 16		M 16	M 16	
12.5 x 10	M 16					M 16
13 x 10						M 17
14 x 11		M 18		M 18	M 18	M 18
14 x 11.2	M 18 & M 20					
15 x 12						M 20
16 x 12		M 20		M 20	M 20	
16 x 12.5	M 22					
17 x 13						M 22
18 x 14	M 24					
18 x 14.5		M 22 & M 24		M 22 & M 24	M 22 & M 24	
19 x 15						M 24
20 x 15						M 27
20 x 16	M 27 & M 30	M 27		M 27	M 27	
22 x 18		M 30		M 30	M 30	
22.4 x 18	M 33					
23 x 23.17						M 30
25 x 20	M 36	M 33		M 33	M 33	
28 x 22		M 36		M 36	M 36	
28 x 22.4	M 39 & M 42					
31.5 x 25	M 45 & M 48					
32 x 24		M 39 & M 42		M 39 & M 42	M 39 & M 42	
36 x 29		M 45 & M 48		M 45 & M 48	M 45 & M 48	

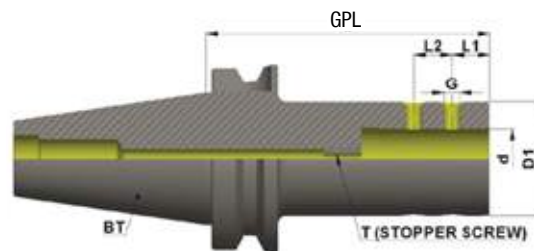
## BT40 Side lock adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	L2	D1	Weight (Kg)	G (Grub Screw)	Stopper Screw	EDP No
BT40ADSLA20090M	BT40	20	90	25	20	50	1.8	M10	M12	FBT0500353
BT40ADSLA25090M	BT40	25	90	25	20	50	1.7	M10	M12	FBT0500354
BT40ADSLA32090M	BT40	32	90	30	20	60	1.9	M10	M12	FBT0500355
BT40ADSLA40090M	BT40	40	90	30	20	63	1.8	M12	M12	FBT0500356

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • PULLSTUD - 9.080

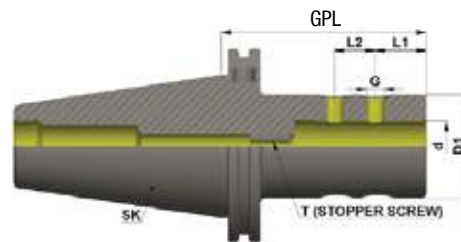
## BT50 Side lock adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	L2	D1	Weight (Kg)	G (Grub Screw)	Stopper Screw	EDP No
BT50ADSLA20100M	BT50	20	100	25	20	50	3.9	M10	M12	FBT0500357
BT50ADSLA25100M	BT50	25	100	25	20	50	4.3	M10	M12	FBT0500358
BT50ADSLA32100M	BT50	32	100	30	20	60	4.5	M10	M12	FBT0500359
BT50ADSLA40100M	BT50	40	100	30	20	70	5.9	M12	M12	FBT0500360

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • PULLSTUD - 9.080

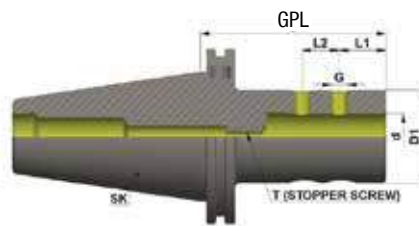
## SK40 Side lock adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	L2	D1	Weight (Kg)	G (Grub Screw)	Stopper Screw	EDP No
SK40ADSLA20090M	SK40	20	90	25	20	50	1.7	M10	M12	FBT0500501
SK40ADSLA25090M	SK40	25	90	25	20	50	1.9	M10	M12	FBT0500502
SK40ADSLA32090M	SK40	32	90	30	20	60	1.8	M10	M12	FBT0500503
SK40ADSLA40090M	SK40	40	90	30	20	63	1.6	M12	M12	FBT0500504

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • PULLSTUD - 9.080

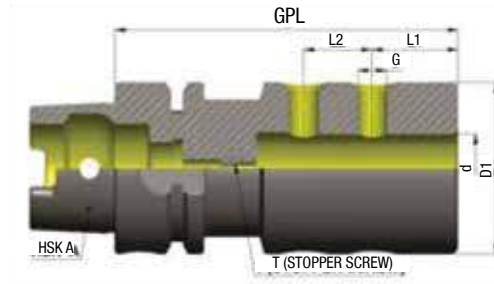
## SK50 Side lock adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	L2	D1	Weight (Kg)	G (Grub Screw)	Stopper Screw	EDP No
SK50ADSLA20105M	SK50	20	105	25	20	50	3.7	M10	M12	FBT0500505
SK50ADSLA25105M	SK50	25	105	25	20	50	3.6	M10	M12	FBT0500506
SK50ADSLA32105M	SK50	32	105	30	20	60	4	M10	M12	FBT0500507
SK50ADSLA40105M	SK50	40	105	30	20	70	4.4	M12	M12	FBT0500508

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • PULLSTUD - 9.080

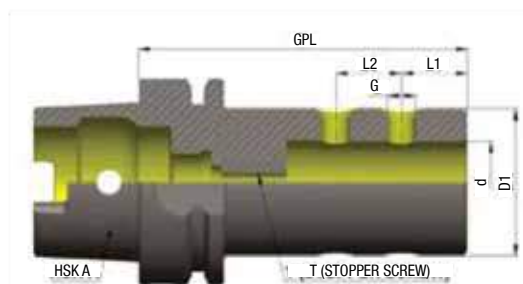
## HSK50 Side lock adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	L2	D1	Weight (Kg)	G (Grub Screw)	Stopper Screw	EDP No
HSKA50SLA20100M	HSKA50	20	100	25	20	50	1.4	M10	M12	FBT0500624
HSKA50SLA25110M	HSKA50	25	110	25	20	50	1.4	M10	M12	FBT0500625
HSKA50SLA32110M	HSKA50	32	110	30	20	60	1.8	M10	M12	FBT0500626

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • COOLANT TUBE - 9.097

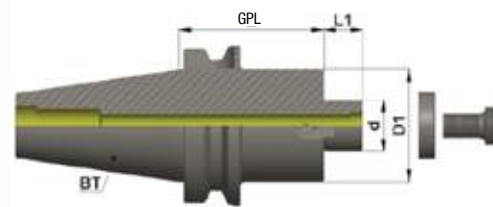
## HSK63 Side lock adapter standard GPL / Form A



Description	Taper	d	GPL	L1	L2	D1	Weight (Kg)	G (Grub Screw)	Stopper Screw	EDP No
HSKA63SLA25110M	HSKA63	25	110	25	20	50	1.8	M10	M12	FBT0500627
HSKA63SLA32110M	HSKA63	32	110	30	20	60	2	M10	M12	FBT0500628
HSKA63SLA40125M	HSKA63	40	125	30	20	63	2.4	M10	M12	FBT0500629

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • COOLANT TUBE - 9.097

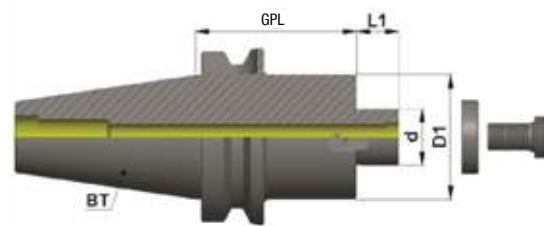
## BT30 Face mill adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
BT30ADSMS16050M	BT30	16	50	17	34	0.6	40	FBT0501267	FBT0500361
BT30ADSMS22050M	BT30	22	50	19	48	0.8	50 & 63	FBT0501268	FBT0500362
BT30ADSMS27050M	BT30	27	50	21	60	1	80	FBT0501269	FBT0500363

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

## BT40 Face mill adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
BT40ADSMS16060M	BT40	16	60	17	34	1.2	40	FBT0501267	FBT0500364
BT40ADSMS22060M	BT40	22	60	19	48	1.5	50 & 63	FBT0501268	FBT0500365
BT40ADSMS27045M	BT40	27	45	21	60	1.4	80	FBT0501269	FBT0500366
BT40ADSMS32060M	BT40	32	60	24	70	2	100	FBT0501270	FBT0500367
BT40ADSMS40060M	BT40	40	60	27	80	2.5	125	FBT0501271	FBT0500368

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

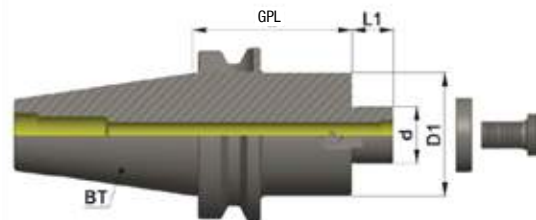
## BT40 Face mill adapter extended GPL / Form AD



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
BT40ADSMS16120M	BT40	16	120	17	34	1.7	40	FBT0501267	FBT0500369
BT40ADSMS22120M	BT40	22	120	19	48	2.3	50 & 63	FBT0501268	FBT0500370
BT40ADSMS27120M	BT40	27	120	21	60	3	80	FBT0501269	FBT0500371

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

## BT50 Face mill adapter standard GPL / Form AD

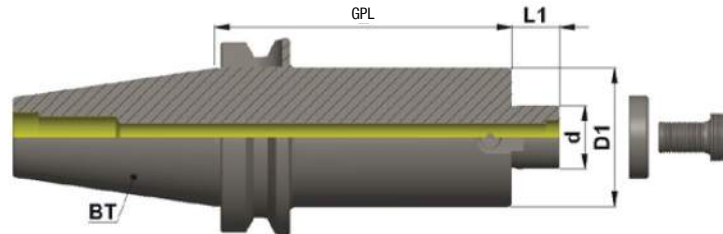


Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
BT50ADSMS22060M	BT50	22	60	19	48	4.2	50 & 63	FBT0501268	FBT0500372
BT50ADSMS27060M	BT50	27	60	21	60	4.2	80	FBT0501269	FBT0500373
BT50ADSMS32060M	BT50	32	60	24	70	4.4	100	FBT0501270	FBT0500374
BT50ADSMS40060M	BT50	40	60	27	80	4.8	125	FBT0501271	FBT0500375

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095



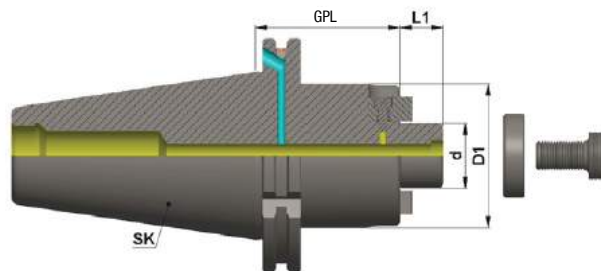
## BT50 Face mill adapter extended GPL / Form AD



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
BT50ADSMS22120M	BT50	22	120	19	48	4.9	50 & 63	FBT0501268	FBT0500376
BT50ADSMS27105M	BT50	27	105	21	60	5.2	80	FBT0501269	FBT0500377
BT50ADSMS32100M	BT50	32	100	24	70	6	100	FBT0501270	FBT0500378
BT50ADSMS40105M	BT50	40	105	27	80	6.6	125	FBT0501271	FBT0500379

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

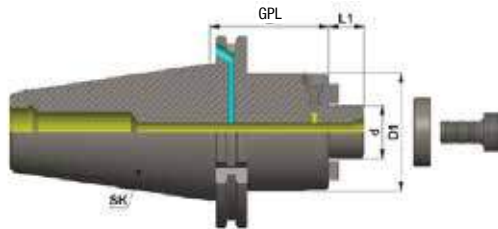
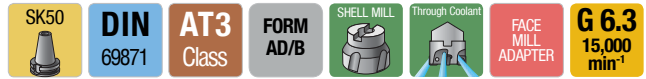
## SK40 Face mill adapter standard GPL / Form AD/B



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
SK40ADBSMS16060M	SK40	16	60	17	34	1.1	40	FBT0501267	FBT0500509
SK40ADBSMS22060M	SK40	22	60	19	48	1.4	50 & 63	FBT0501268	FBT0500510
SK40ADBSMS27045M	SK40	27	45	21	60	1.4	80	FBT0501269	FBT0500511
SK40ADBSMS32060M	SK40	32	60	24	70	2	100	FBT0501270	FBT0500512
SK40ADBSMS40060M	SK40	40	60	27	80	2.4	125	FBT0501271	FBT0500513

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

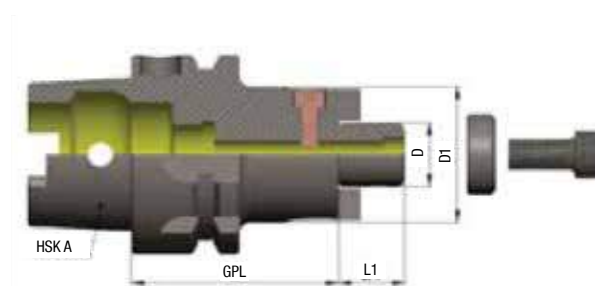
## SK50 Face mill adapter standard GPL / Form AD/B



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
SK50ADBSMS22060M	SK50	22	60	19	48	3.4	50 & 63	FBT0501268	FBT0500514
SK50ADBSMS27060M	SK50	27	60	21	60	3.6	80	FBT0501269	FBT0500515
SK50ADBSMS32060M	SK50	32	60	24	70	4	100	FBT0501270	FBT0500516
SK50ADBSMS40060M	SK50	40	60	27	80	5	125	FBT0501271	FBT0500517

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

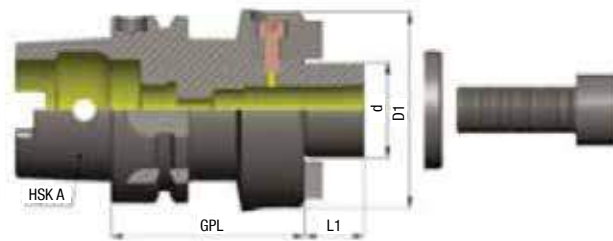
## HSK50 Face mill adapter standard GPL / Form A



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
HSKA50SMS16050M	HSKA50	16	50	17	34	0.6	40	FBT0501267	FBT0500630
HSKA50SMS22060M	HSKA50	22	60	19	48	0.9	50 & 63	FBT0501268	FBT0500631
HSKA50SMS27060M	HSKA50	27	60	21	60	1	80	FBT0501269	FBT0500632

FOR ACCESSORIES REFER PAGE NO: COOLANT TUBE - 9.097 • SCREW - 9.093 • DRIVE KEY - 9.095

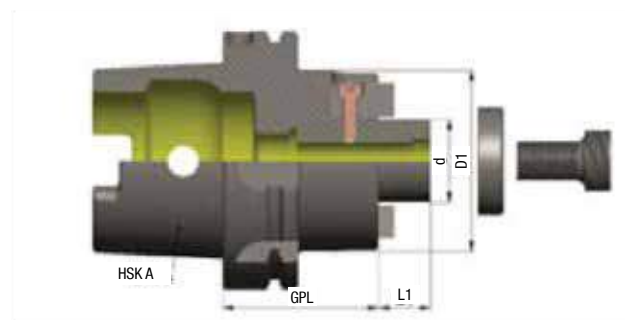
## HSK63 Face mill adapter standard GPL / Form A



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
HSKA63SMS16050M	HSKA63	16	50	17	34	0.9	40	FBT0501267	FBT0500633
HSKA63SMS22050M	HSKA63	22	50	19	48	1.2	50 & 63	FBT0501268	FBT0500634
HSKA63SMS27060M	HSKA63	27	60	21	60	1.4	80	FBT0501269	FBT0500635
HSKA63SMS32065M	HSKA63	32	65	24	70	1.6	100	FBT0501270	FBT0500636
HSKA63SMS40065M	HSKA63	40	65	27	80	2	125	FBT0501271	FBT0500637

FOR ACCESSORIES REFER PAGE NO: COOLANT TUBE - 9.097 • SCREW - 9.093 • DRIVE KEY - 9.095

## HSK100 Face mill adapter standard GPL / Form A



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Cutter Clamping Screw	EDP No
HSKA100SMS16050M	HSKA100	16	50	17	34	2.2	40	FBT0501267	FBT0500638
HSKA100SMS22050M	HSKA100	22	50	19	48	2.4	50 & 63	FBT0501268	FBT0500639
HSKA100SMS27050M	HSKA100	27	50	21	60	2.5	80	FBT0501269	FBT0500640
HSKA100SMS32060M	HSKA100	32	60	24	70	3.0	100	FBT0501270	FBT0500641
HSKA100SMS40060M	HSKA100	40	60	27	80	3.4	125	FBT0501271	FBT0500642

FOR ACCESSORIES REFER PAGE NO: COOLANT TUBE - 9.097 • SCREW - 9.093 • DRIVE KEY - 9.095

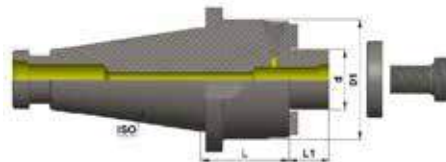
## ISO40 - Standard GPL / Form AD



Description	Taper	d	GPL	L1	D1	Ideal Cutter Dia	Weight (Kg)	EDP No
ISO40ADSMS22045	ISO40	22	45	19	48	50 & 63	1.5	FBT0501631
ISO40ADSMS27045	ISO40	27	45	21	60	80	1.6	FBT0501632
ISO40ADSMS32045	ISO40	32	45	24	70	100	2.3	FBT0501633
ISO40ADSMS40060	ISO40	40	60	27	80	125	2.7	FBT0501634

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

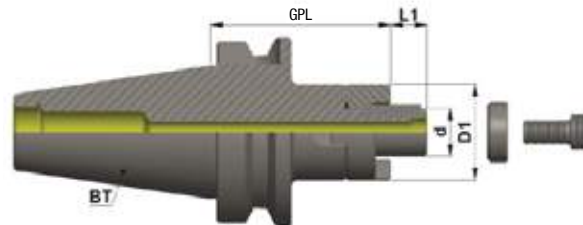
## ISO50 - Standard GPL / Form AD



Description	Taper	d	GPL	L1	D1	Ideal Cutter Dia	Weight (Kg)	EDP No
ISO 50 AD SMS 22 045	ISO50	22	45	19	48	50 & 63	3.5	FBT0501635
ISO 50 AD SMS 27 045	ISO50	27	45	21	60	80	4.2	FBT0501636
ISO 50 AD SMS 32 045	ISO50	32	45	24	70	100	4.2	FBT0501637
ISO 50 AD SMS 40 060	ISO50	40	60	27	80	125	5.3	FBT0501638

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

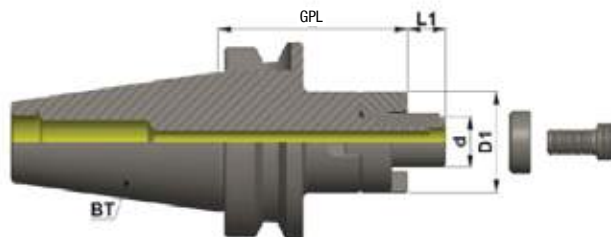
## BT40 Combi Shell Mill Adapter GPL / Form AD



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Drive Ring	Parallel KEY	Cutter Clamping Screw	EDP No
BT40ADCMH16055M	BT40	16	55	17	32	1.1	40	FBT0501284	FBT0501289	FBT0501267	FBT0500380
BT40ADCMH22055M	BT40	22	55	19	40	1.4	50 & 63	FBT0501285	FBT0501290	FBT0501268	FBT0500381
BT40ADCMH27055M	BT40	27	55	21	48	1.6	80	FBT0501286	FBT0501291	FBT0501269	FBT0500382
BT40ADCMH32060M	BT40	32	60	24	58	2.2	100	FBT0501287	FBT0501292	FBT0501270	FBT0500383
BT40ADCMH40060M	BT40	40	60	27	70	2.7	125	FBT0501288	FBT0501293	FBT0501271	FBT0500384

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • SCREW - 9.093 • DRIVE KEY - 9.095

## BT50 Combi shell mill adapter GPL / Form AD



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Drive Ring	Parallel KEY	Cutter Clamping Screw	EDP No
BT50ADCMH22070M	BT50	22	70	19	40	3.4	50 & 63	FBT0501285	FBT0501290	FBT0501268	FBT0500385
BT50ADCMH27070M	BT50	27	70	21	48	3.6	80	FBT0501286	FBT0501291	FBT0501269	FBT0500386
BT50ADCMH32070M	BT50	32	70	24	58	4	100	FBT0501287	FBT0501292	FBT0501270	FBT0500387
BT50ADCMH40070M	BT50	40	70	27	70	5	125	FBT0501288	FBT0501293	FBT0501271	FBT0500388

FOR ACCESSORIES REFER PAGE NO: DRIVE RING - 9.096 • PARALLEL KEY - 9.096 • SCREW - 9.093 • PULLSTUD - 9.080

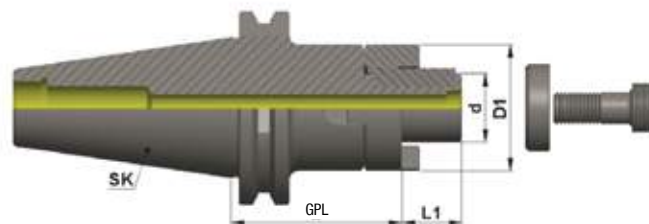
## SK40 Combi shell mill adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Drive Ring	Parallel Key	Cutter Clamping Screw	EDP No
SK40ADCMH16055M	SK40	16	55	17	32	1.1	40	FBT0501284	FBT0501289	FBT0501267	FBT0500518
SK40ADCMH22055M	SK40	22	55	19	40	1.4	50 & 63	FBT0501285	FBT0501290	FBT0501268	FBT0500519
SK40ADCMH27055M	SK40	27	55	21	48	1.6	80	FBT0501286	FBT0501291	FBT0501269	FBT0500520
SK40ADCMH32060M	SK40	32	60	24	58	2.2	100	FBT0501287	FBT0501292	FBT0501270	FBT0500521

FOR ACCESSORIES REFER PAGE NO: DRIVE RING - 9.096 • PARALLEL KEY - 9.096 • SCREW - 9.093 • PULLSTUD - 9.080

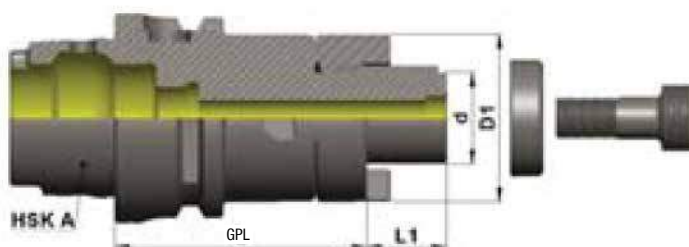
## SK50 Combi shell mill adapter standard GPL / Form AD



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Drive Ring	Parallel Key	Cutter Clamping Screw	EDP No
SK50ADCMH22055M	SK50	22	55	17	40	3.4	50 & 63	FBT0501285	FBT0501290	FBT0501268	FBT0500522
SK50ADCMH27055M	SK50	27	55	19	48	3.6	80	FBT0501286	FBT0501291	FBT0501269	FBT0500523
SK50ADCMH32060M	SK50	32	60	21	58	4	100	FBT0501287	FBT0501292	FBT0501270	FBT0500524
SK50ADCMH40060M	SK50	40	60	24	70	5	125	FBT0501288	FBT0501293	FBT0501271	FBT0500525

FOR ACCESSORIES REFER PAGE NO: DRIVE RING - 9.096 • PARALLEL KEY - 9.096 • SCREW - 9.093 • PULLSTUD - 9.080

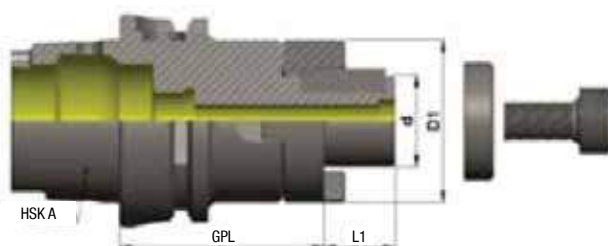
## HSK50 Combi shell mill adapter standard GPL / Form A



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Drive Ring	Parallel Key	Cutter Clamping Screw	EDP No
HSKA50CMH16050M	HSKA50	16	50	17	32	0.49	40	FBT0501284	FBT0501289	FBT0501267	FBT0500643
HSKA50CMH22050M	HSKA50	22	50	19	40	0.6	50 & 63	FBT0501285	FBT0501290	FBT0501268	FBT0500644
HSKA50CMH27065M	HSKA50	27	65	21	48	0.8	80	FBT0501286	FBT0501291	FBT0501269	FBT0500645
HSKA50CMH32065M	HSKA50	32	65	24	58	0.88	100	FBT0501287	FBT0501292	FBT0501270	FBT0500646

FOR ACCESSORIES REFER PAGE NO: DRIVE RING - 9.096 • PARALLEL KEY - 9.096 • SCREW - 9.093 • COOLANT TUBE - 9.097

## HSK63 Combi shell mill adapter standard GPL / Form A



Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Drive Ring	Parallel Key	Cutter Clamping Screw	EDP No
HSKA63CMH16060M	HSKA63	16	60	17	32	0.82	40	FBT0501284	FBT0501289	FBT0501267	FBT0500647
HSKA63CMH22060M	HSKA63	22	60	19	40	0.91	50 & 63	FBT0501285	FBT0501290	FBT0501268	FBT0500648
HSKA63CMH27060M	HSKA63	37	60	21	48	1	80	FBT0501286	FBT0501291	FBT0501269	FBT0500649
HSKA63CMH32060M	HSKA63	32	60	24	58	1.13	100	FBT0501287	FBT0501292	FBT0501270	FBT0500650
HSKA63CMH40070M	HSKA63	40	70	27	70	1.5	125	FBT0501288	FBT0501293	FBT0501271	FBT0500651

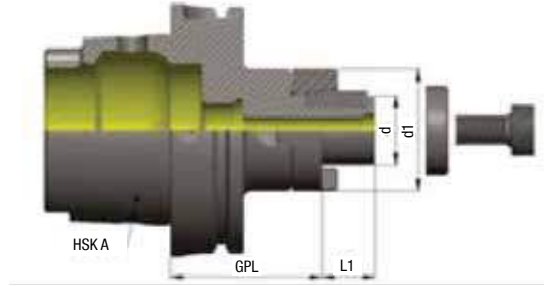
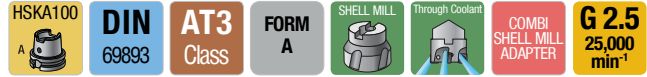
FOR ACCESSORIES REFER PAGE NO: DRIVE RING - 9.096 • PARALLEL KEY - 9.096 • SCREW - 9.093 • COOLANT TUBE - 9.097



**Adapter**

**Combi Shell Mill Holder**

## HSK100 Combi shell mill adapter standard GPL / Form A

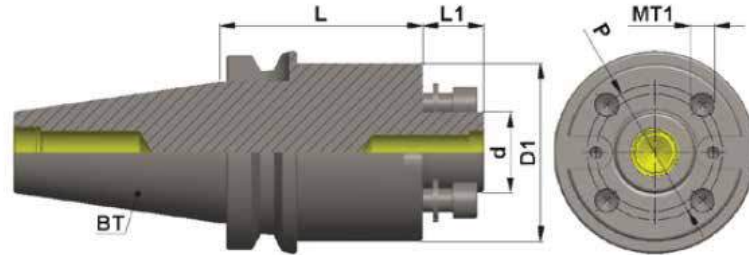


Description	Taper	d	GPL	L1	D1	Weight (Kg)	Ideal Cutter Dia	Drive Ring	Parallel Key	Cutter Clamping Screw	EDP No
HSKA100CMH16060M	HSKA100	16	60	17	32	2.17	40	FBT0501284	FBT0501289	FBT0501267	FBT0500652
HSKA100CMH22060M	HSKA100	22	60	19	40	2.24	50 & 63	FBT0501285	FBT0501290	FBT0501268	FBT0500653
HSKA100CMH27060M	HSKA100	27	60	21	48	2.34	80	FBT0501286	FBT0501291	FBT0501269	FBT0500654
HSKA100CMH32060M	HSKA100	32	60	24	58	2.5	100	FBT0501287	FBT0501292	FBT0501270	FBT0500655
HSKA100CMH40070M	HSKA100	40	70	27	70	3.04	125	FBT0501288	FBT0501293	FBT0501271	FBT0500656

FOR ACCESSORIES REFER PAGE NO: DRIVE RING - 9.096 • PARALLEL KEY - 9.096 • SCREW - 9.093 • COOLANT TUBE - 9.097



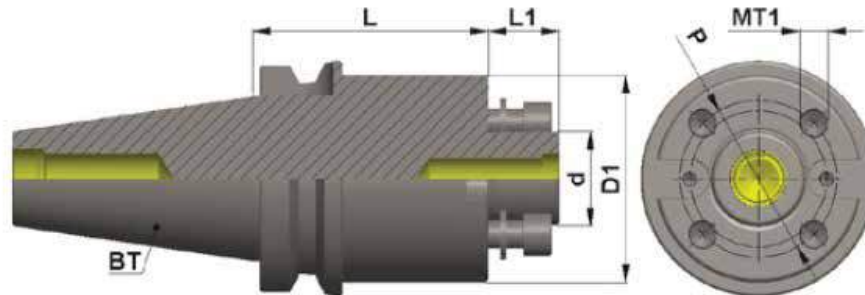
## BT40 Flange mounted face mill arbor / Form A



Description	Taper	d	GPL	L1	D1	PITCH	Weight (Kg)	Ideal Cutter Dia	Bolt	Drive Key	EDP No
BT40AFMH40060M	BT40	40	60	30	88	66.7	2.6	160	M12	FBT0501294	FBT0500389

FOR ACCESSORIES REFER PAGE NO: DRIVE KEY - 9.095 • PULL STUD - 9.080

## BT50 Flange mounted face mill arbor / Form A



Description	Taper	d	L	L1	D1	Pitch	Weight (Kg)	Ideal Cutter Dia	Bolt	Drive Key	EDP No
BT50AFMH40075M	BT50	40	75	30	88	66.7	5.7	160	M12	FBT0501294	FBT0500390
BT50AFMH60075M	BT50	60	75	40	128	101.6	7.6	200	M16	FBT0501295	FBT0500391

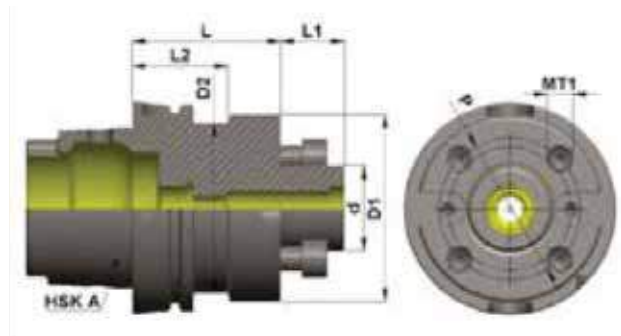
FOR ACCESSORIES REFER PAGE NO: DRIVE KEY - 9.095 • PULL STUD - 9.080

**HSK100 Flange mounted face mill arbor / Form A**

**DIN**  
69893

**AT3**  
Class

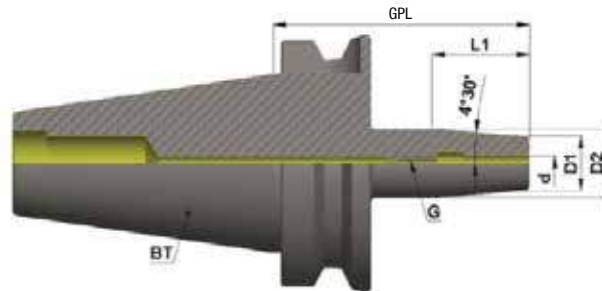
**FORM**  
A

**FLANGE**  
**MOUNTED**  
**MILLING**  
**ADAPTER**
**G 2.5**  
25,000  
min<sup>-1</sup>


Description	Taper	d	L	D1	D2	L1	L2	PITCH	Weight (Kg)	Ideal Cutter Dia	Bolt	Driving Key	EDP No
HSKA100FMH40070M	HSKA100	40	70	88	80	30	45	66.7	3.9	160	M12	FBT0501294	FBT0500657
HSKA100FMH60070M	HSKA100	60	70	128	80	40	45	101.6	6.2	200	M16	FBT0501295	FBT0500658

**FOR ACCESSORIES REFER PAGE NO:** DRIVE KEY - 9.095 • COOLANT TUBE - 9.097

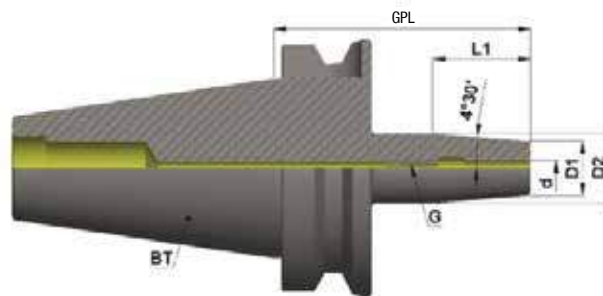
## BT40 Shrinkfit adapter standard GPL / Form AD



Description	Taper	d	GPL	D1	D2	L1	Weight (Kg)	G (Grub Screw)	EDP No
BT40ADSFC06120M	BT40	6	120	21	27	36	1.3	M5	FBT0500392
BT40ADSFC08120M	BT40	8	120	21	27	36	1.3	M6	FBT0500393
BT40ADSFC10120M	BT40	10	120	24	32	42	1.4	M8X1	FBT0500394
BT40ADSFC12120M	BT40	12	120	24	32	47	1.4	M10X1	FBT0500395
BT40ADSFC14120M	BT40	14	120	24	34	47	1.5	M10X1	FBT0500396
BT40ADSFC16120M	BT40	16	120	27	34	50	1.4	M12X1	FBT0500397
BT40ADSFC18120M	BT40	18	120	33	42	50	1.7	M12X1	FBT0500398
BT40ADSFC20120M	BT40	20	120	33	42	52	1.6	M16X1	FBT0500399
BT40ADSFC25100M	BT40	25	100	44	53	58	1.7	M16X1	FBT0500400

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • EXTENSIONS - 9.090 • PULLSTUD - 9.080

## BT50 Shrinkfit adapter standard GPL / Form AD

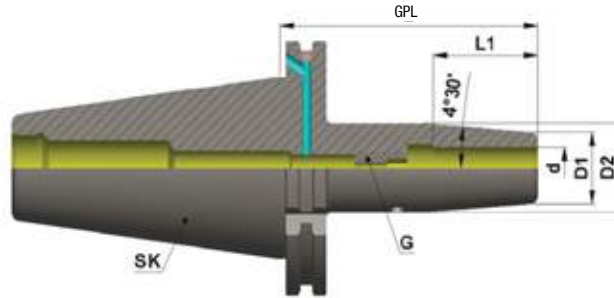
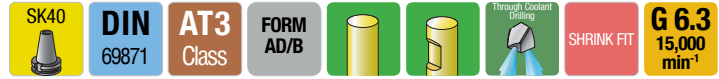


Description	Taper	d	GPL	D1	D2	L1	Weight (Kg)	G (Grub Screw)	EDP No
BT50ADSFC06100M	BT50	6	100	21	27	36	3.8	M5	FBT0500401
BT50ADSFC08100M	BT50	8	100	21	27	36	3.9	M6	FBT0500402
BT50ADSFC10100M	BT50	10	100	24	32	42	3.9	M8X1	FBT0500403
BT50ADSFC12100M	BT50	12	100	24	32	47	3.9	M10X1	FBT0500404
BT50ADSFC14100M	BT50	14	100	27	34	47	4	M10X1	FBT0500405
BT50ADSFC16100M	BT50	16	100	27	34	50	4	M12X1	FBT0500406
BT50ADSFC18100M	BT50	18	100	33	42	50	4.1	M12X1	FBT0500407
BT50ADSFC20100M	BT50	20	100	33	42	52	4.1	M16X1	FBT0500408
BT50ADSFC25100M	BT50	25	100	44	53	58	4.3	M16X1	FBT0500409
BT50ADSFC32100M	BT50	32	100	44	53	58	4.1	M16X1	FBT0500410

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • EXTENSIONS - 9.090 • PULLSTUD - 9.080

Note: For Bradma Heat Shrink Machine Please Refer Page No: 9.101

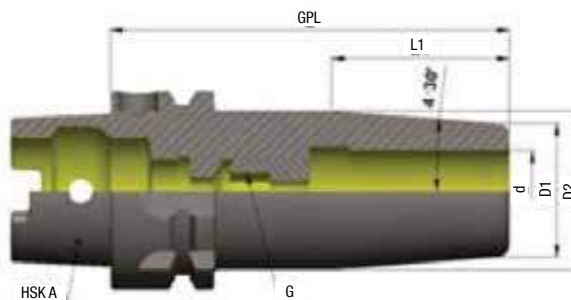
## SK40 Shrinkfit adapter standard GPL / Form AD/B



Description	Taper	d	GPL	D1	D2	L1	Weight (Kg)	G (Grub Screw)	EDP No
SK40ADBSFC06080M	SK40	6	80	21	27	36	1	M5	FBT0500542
SK40ADBSFC08080M	SK40	8	80	21	27	36	1	M5	FBT0500543
SK40ADBSFC10080M	SK40	10	80	24	32	42	1.1	M8X1	FBT0500544
SK40ADBSFC12080M	SK40	12	80	24	32	47	1	M10X1	FBT0500545
SK40ADBSFC14080M	SK40	14	80	27	34	47	1.1	M10X1	FBT0500546
SK40ADBSFC16080M	SK40	16	80	27	34	50	1	M12X1	FBT0500547
SK40ADBSFC18080M	SK40	18	80	33	42	50	1.2	M12X1	FBT0500548
SK40ADBSFC20080M	SK40	20	80	33	42	52	1.1	M16X1	FBT0500549
SK40ADBSFC25100M	SK40	25	100	44	53	58	1.8	M16X1	FBT0500550

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • EXTENSIONS - 9.090 • PULLSTUD - 9.080

## HSK50 Shrinkfit adapter standard GPL / Form AD

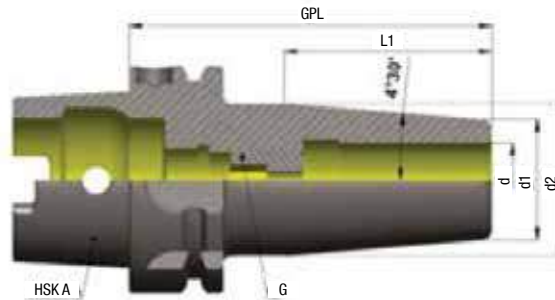


Description	Taper	d	GPL	D1	D2	L1	Weight (Kg)	G (Grub Screw)	EDP No
HSKA50SFC06080M	HSKA50	6	80	21	27	36	0.6	M5	FBT0500659
HSKA50SFC08080M	HSKA50	8	80	21	27	36	0.6	M6	FBT0500660
HSKA50SFC10085M	HSKA50	10	85	24	32	42	0.64	M8X1	FBT0500661
HSKA50SFC12090M	HSKA50	12	90	24	32	47	0.66	M10X1	FBT0500662
HSKA50SFC14090M	HSKA50	14	90	27	34	47	0.68	M10X1	FBT0500663
HSKA50SFC16095M	HSKA50	16	95	27	34	50	0.7	M12X1	FBT0500664
HSKA50SFC18095M	HSKA50	18	95	33	42	50	0.88	M12X1	FBT0500665
HSKA50SFC20100M	HSKA50	20	100	33	42	52	0.9	M16X1	FBT0500666

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • EXTENSIONS - 9.090 • PULLSTUD - 9.080

Note: For Bradma Shink Fit Machine Please Refer Page No: 9.101

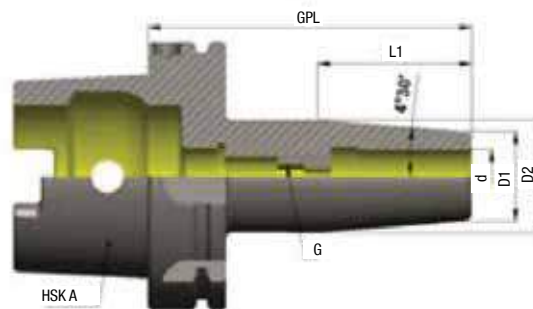
## HSK63 Shrinkfit adapter standard GPL / Form A



Description	Taper	d	GPL	D1	D2	L1	Weight (Kg)	G (Grub Screw)	EDP No
HSKA63SFC06080M	HSKA63	6	80	21	27	36	0.83	M5	FBT0500667
HSKA63SFC08080M	HSKA63	8	80	21	27	36	0.83	M6	FBT0500668
HSKA63SFC10085M	HSKA63	10	85	24	32	42	0.92	M8X1	FBT0500669
HSKA63SFC12090M	HSKA63	12	90	24	32	47	0.92	M10X1	FBT0500670
HSKA63SFC14090M	HSKA63	14	90	27	34	47	0.93	M10X1	FBT0500671
HSKA63SFC16095M	HSKA63	16	95	27	34	50	0.96	M12X1	FBT0500672
HSKA63SFC18095M	HSKA63	18	95	33	42	50	1.15	M12X1	FBT0500673
HSKA63SFC20100M	HSKA63	20	100	33	42	52	1.18	M16X1	FBT0500674
HSKA63SFC25115M	HSKA63	25	115	44	53	58	1.75	M16X1	FBT0500675

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • EXTENSIONS - 9.090 • COOLANT TUBE - 9.097

## HSK100 Shrinkfit adapter standard GPL / Form A

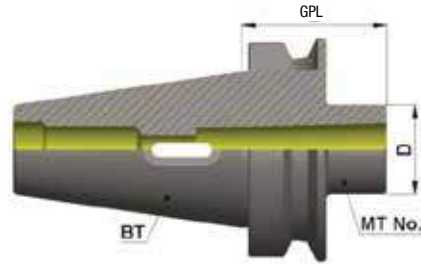


Description	Taper	d	GPL	D1	D2	L1	Weight (Kg)	G (Grub Screw)	EDP No
HSKA100SFC06120M	HSKA100	6	120	21	27	36	2.4	M5	FBT0500676
HSKA100SFC08120M	HSKA100	8	120	21	27	36	2.4	M6	FBT0500677
HSKA100SFC10120M	HSKA100	10	120	24	32	42	2.5	M8X1	FBT0500678
HSKA100SFC12120M	HSKA100	12	120	24	32	47	2.5	M10X1	FBT0500679
HSKA100SFC14120M	HSKA100	14	120	27	34	47	2.5	M10X1	FBT0500680
HSKA100SFC16120M	HSKA100	16	120	27	34	50	2.6	M12X1	FBT0500681
HSKA100SFC18120M	HSKA100	18	120	33	42	50	2.7	M12X1	FBT0500682
HSKA100SFC20120M	HSKA100	20	120	33	42	52	2.8	M16X1	FBT0500683
HSKA100SFC25120M	HSKA100	25	120	44	53	58	3	M16X1	FBT0500684
HSKA100SFC32120M	HSKA100	32	120	44	53	58	3	M16X1	FBT0500685

FOR ACCESSORIES REFER PAGE NO: SCREW - 9.093 • EXTENSIONS - 9.090 • COOLANT TUBE - 9.097

Note: For Bradma Shink Fit Machine Please Refer Page No: 9.101

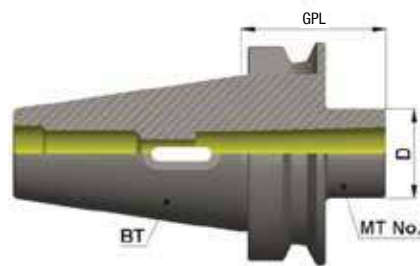
## BT30 MTA standard GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
BT30MTA1050M	BT30	1	50	25	0.4	FBT0500411
BT30MTA2062M	BT30	2	62	32	0.5	FBT0500412
BT30MTA3080M	BT30	3	80	40	0.7	FBT0500413

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

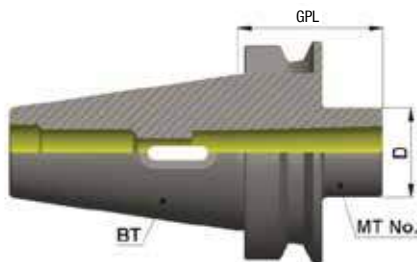
## BT40 MTA standard GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
BT40ADMTA1045M	BT40	1	45	25	1	FBT0500414
BT40ADMTA2060M	BT40	2	60	32	1	FBT0500415
BT40ADMTA3075M	BT40	3	75	40	1.1	FBT0500416
BT40ADMTA4095M	BT40	4	95	48	1.3	FBT0500417

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

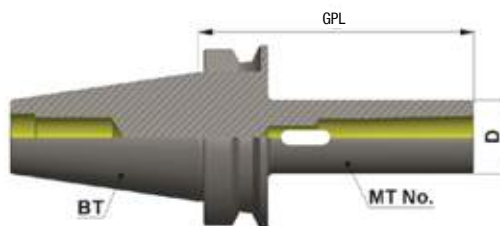
## BT50 MTA standard GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
BT50MTA1045M	BT50	1	45	25	3.5	FBT0500418
BT50MTA2045M	BT50	2	45	32	3.5	FBT0500419
BT50MTA3045M	BT50	3	45	40	3.5	FBT0500420
BT50MTA4095M	BT50	4	95	48	3.7	FBT0500421
BT50MTA5105M	BT50	5	105	70	4	FBT0500422

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

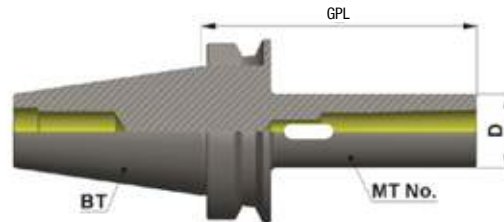
## BT40 MTA extended GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
BT40MTA1120M	BT40	1	120	25	1.3	FBT0500423
BT40MTA2120M	BT40	2	120	32	1.4	FBT0500424
BT40MTA3135M	BT40	3	135	40	1.7	FBT0500425

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

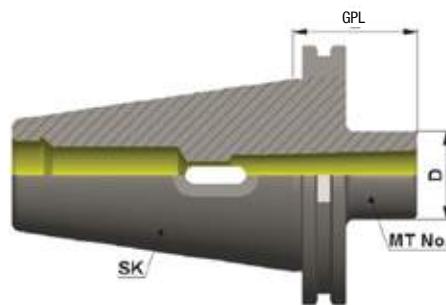
## BT50 MTA extended GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
BT50MTA1120M	BT50	1	120	25	3.9	FBT0500426
BT50MTA2135M	BT50	2	135	32	4	FBT0500427
BT50MTA3150M	BT50	3	150	40	4.3	FBT0500428

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

## SK40 MTA standard GPL / Form A

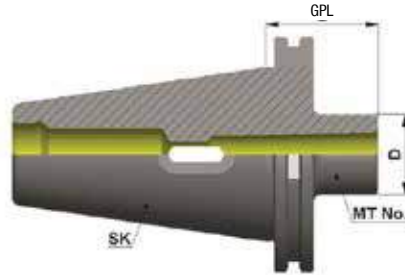


Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
SK40ADMTA1045M	SK40	1	45	25	0.8	FBT0500526
SK40ADMTA2060M	SK40	2	60	32	0.9	FBT0500527
SK40ADMTA3075M	SK40	3	75	40	1.1	FBT0500528
SK40ADMTA4095M	SK40	4	95	48	1.4	FBT0500529

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086



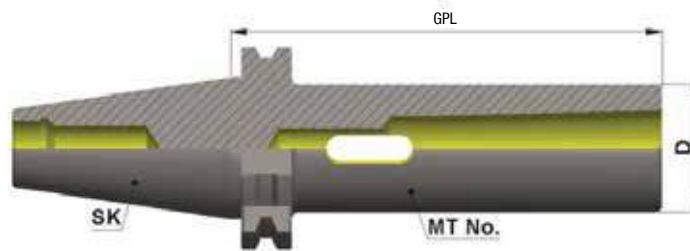
## SK50 MTA standard GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
SK50ADMTA1045M	SK50	1	45	25	2.5	FBT0500530
SK50ADMTA2045M	SK50	2	45	32	2.5	FBT0500531
SK50ADMTA3045M	SK50	3	45	40	2.5	FBT0500532
SK50ADMTA4075M	SK50	4	75	48	2.8	FBT0500533
SK50ADMTA5105M	SK50	5	105	70	3.7	FBT0500534

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

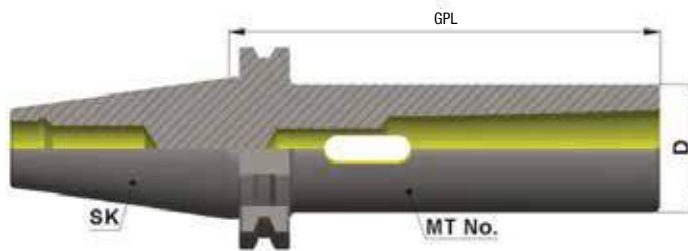
## SK40 MTA extended GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
SK40AMTA1120M	SK40	1	120	25	1.3	FBT0500535
SK40AMTA2120M	SK40	2	120	32	1.3	FBT0500536
SK40AMTA3135M	SK40	3	135	40	1.6	FBT0500537

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

## SK50 MTA extended GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
SK50AMTA1120M	SK50	1	120	25	2.9	FBT0500538
SK50AMTA2135M	SK50	2	135	32	3.1	FBT0500539
SK50AMTA3150M	SK50	3	150	40	3.5	FBT0500540
SK50AMTA4180M	SK50	4	180	48	4.3	FBT0500541

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

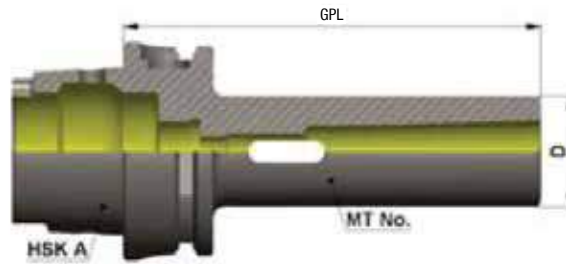
## HSKA50 MTA extended GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
HSKA50MTA1100M	HSKA50	1	100	25	0.6	FBT0500686
HSKA50MTA2120M	HSKA50	2	120	32	0.9	FBT0500687
HSKA50MTA3140M	HSKA50	3	140	40	1.2	FBT0500688

FOR ACCESSORIES REFER PAGE NO: COOLANT TUBE - 9.097 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

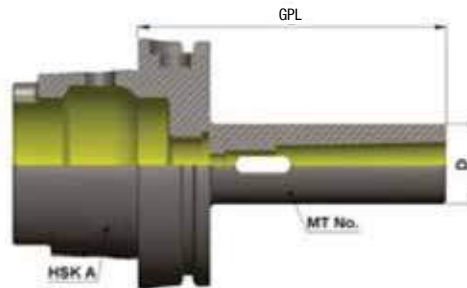
## HSK63 MTA extended GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
HSKA63MTA1100M	HSKA63	1	100	25	0.9	FBT0500689
HSKA63MTA2120M	HSKA63	2	120	32	1.1	FBT0500690
HSKA63MTA3140M	HSKA63	3	140	40	1.5	FBT0500691
HSKA63MTA4160M	HSKA63	4	160	48	1.9	FBT0500692

FOR ACCESSORIES REFER PAGE NO: COOLANT TUBE - 9.097 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

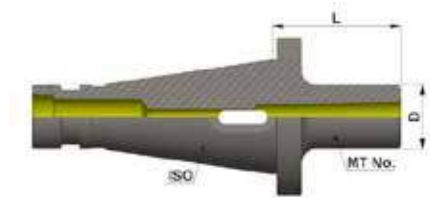
## HSK100 MTA extended GPL / Form A



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
HSKA100MTA1110M	HSKA100	1	110	25	2.2	FBT0500693
HSKA100MTA2120M	HSKA100	2	120	32	2.4	FBT0500694
HSKA100MTA3150M	HSKA100	3	150	40	2.9	FBT0500695
HSKA100MTA4170M	HSKA100	4	170	48	3.3	FBT0500696
HSKA100MTA5200M	HSKA100	5	200	70	4.5	FBT0500697

FOR ACCESSORIES REFER PAGE NO: COOLANT TUBE - 9.097 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

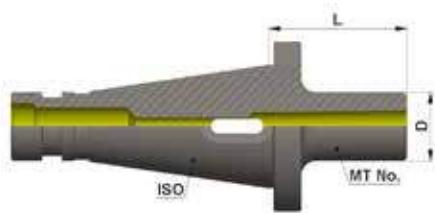
## ISO40 - Standard GPL / Form AD



Description	Taper	MT NO.	GPL	D	Weight (Kg)	EDP No
ISO40ADMTA01050	ISO40	1	50	25	1	FBT0501639
ISO40ADMTA02050	ISO40	2	50	32	1	FBT0501640
ISO40ADMTA03065	ISO40	3	65	40	1.2	FBT0501555
ISO40ADMTA04095	ISO40	4	95	48	1.4	FBT0501641

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

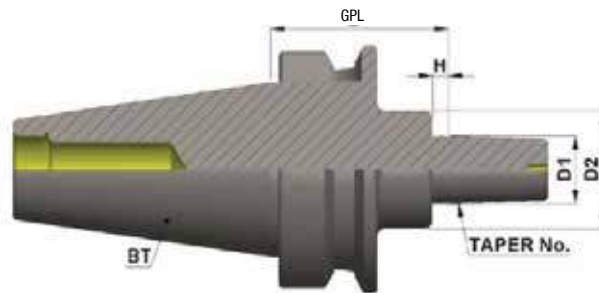
## ISO50 - Standard GPL / Form AD



Description	Taper	MT NO.	L	D	Weight (Kg)	EDP No
ISO50ADMTA01045	ISO50	1	45	25	2.6	FBT0501642
ISO50ADMTA02060	ISO50	2	60	32	2.7	FBT0501643
ISO50ADMTA03065	ISO50	3	65	40	2.7	FBT0501644
ISO50ADMTA04070	ISO50	4	70	48	3	FBT0501645
ISO50ADMTA05105	ISO50	5	105	70	3.5	FBT0501646

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • EXTENSIONS - 9.090 • MTA SHANK TYPE - 9.086

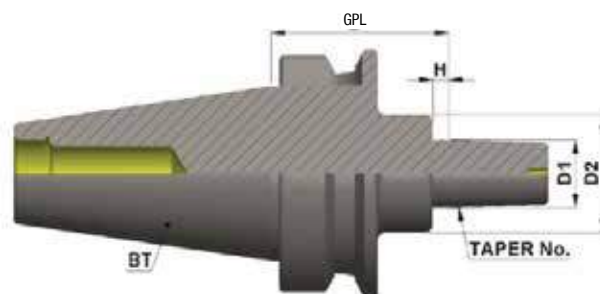
## BT40 Drill chuck standard GPL / Form A



Description	Taper	Taper No	GPL	Clamping Range	D1	D2	H	Weight (Kg)	EDP No
BT40ADCA6045M	BT40	JTA6	45	0.8-13	30	17.17	3.2	1.1	FBT0500429
BT40AB16045M	BT40	B16	45	0.8-13	30	15.73	4	1.1	FBT0500430

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • DRILL CHUCK - 9.089

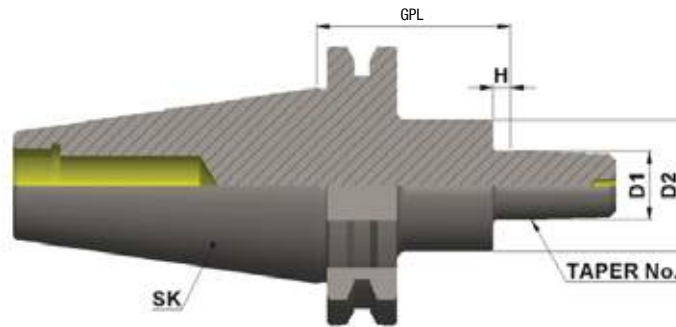
## BT50 Drill chuck standard GPL / Form A



Description	Taper	Taper No	GPL	Clamping Range	D1	D2	H	Weight (Kg)	EDP No
BT50ADCA6045M	BT50	JTA6	45	0.8-13	30	17.17	3.2	3.7	FBT0500431
BT50AB16045M	BT50	B16	45	0.8-13	30	15.73	4	3.7	FBT0500432

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • DRILL CHUCK - 9.089

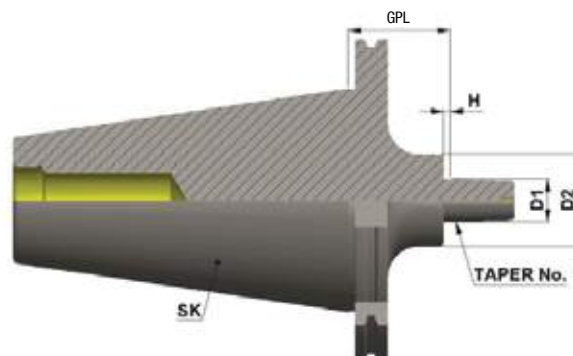
## SK40 Drill chuck standard GPL / Form A



Description	Taper	Taper No	GPL	Clamping Range	D1	D2	H	Weight (Kg)	EDP No
SK40AB16045M	SK40	B16	45	0.8-13	30	15.83	4	1.1	FBT0500551
SK40ADCA6045M	SK40	JTA6	45	0.8-13	30	17.17	4	1.1	FBT0500552

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • DRILL CHUCK - 9.089

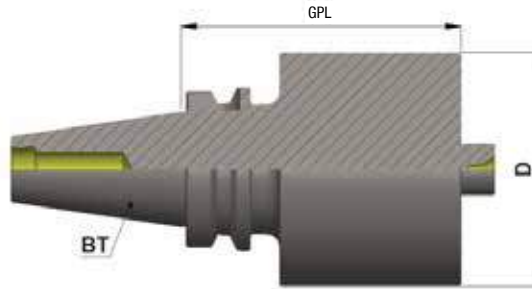
## SK50 Drill chuck standard GPL / Form A



Description	Taper	Taper No	GPL	Clamping Range	D1	D2	H	Weight (Kg)	EDP No
SK50AB16045M	SK50	B16	45	0.8-13	30	15.73	4	3.7	FBT0500553
SK50ADCA6045M	SK50	JTA6	45	0.8-13	30	17.17	3.2	3.7	FBT0500554

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080 • DRILL CHUCK - 9.089

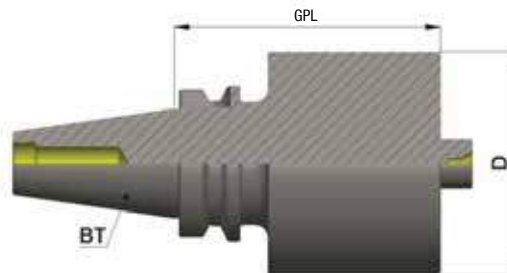
## BT40 Boring bar blank standard GPL / Form A



Description	Taper	D	GPL	Weight (Kg)	EDP No
BT40ABLANK63250M	BT40	63	250	6.5	FBT0500433
BT40ABLANK80250M	BT40	80	250	9.6	FBT0500434

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080

## BT50 Boring bar blank standard GPL / Form A



Description	Taper	D	GPL	Weight (Kg)	EDP No
BT50ABLANK80250M	BT50	80	250	12	FBT0500435
BT50ABLANK100300M	BT50	100	300	19.5	FBT0500436

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080

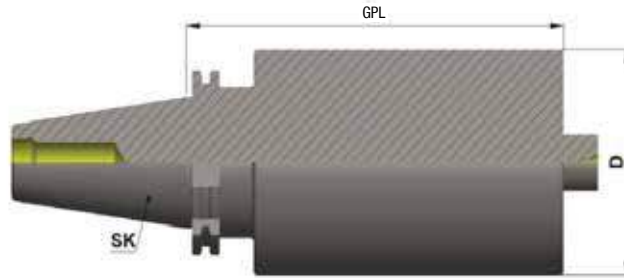
## SK40 Boring bar blank standard GPL / Form A


**DIN**  
69871

**AT3**  
Class

**FORM**  
A

**BORING**  
BAR  
BLANK

**G 6.3**  
15,000  
min<sup>-1</sup>


Description	Taper	D	GPL	Weight (Kg)	EDP No
SK40ABLANK63250M	SK40	63	250	6.3	FBT0500555
SK40ABLANK80250M	SK40	80	250	9.5	FBT0500556

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080

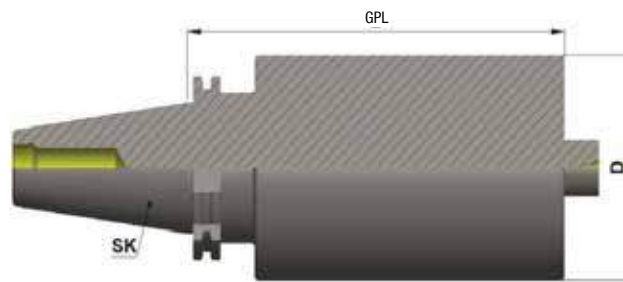
## SK50 Boring bar blank standard GPL / Form A


**DIN**  
69871

**AT3**  
Class

**FORM**  
A

**BORING**  
BAR  
BLANK

**G 6.3**  
15,000  
min<sup>-1</sup>


Description	Taper	D	GPL	Weight (Kg)	EDP No
SK50ABLANK80250M	SK50	80	250	11.6	FBT0500557
SK50ABLANK100300M	SK50	100	300	19.6	FBT0500558

FOR ACCESSORIES REFER PAGE NO: PULLSTUD - 9.080



## HSK63 Boring bar blank standard GPL / Form A



Description	Taper	D	GPL	Weight (Kg)	EDP No
HSKA63BLANK64250M	HSKA63	64	250	6	FBT0500698
HSKA63BLANK80200M	HSKA63	80	200	7	FBT0500699

FOR ACCESSORIES REFER PAGE NO: COOLANT TUBE- 9.097

## HSK100 Boring bar blank standard GPL / Form A



Description	Taper	D	GPL	Weight (Kg)	EDP No
HSKA100BLANK100150M	HSKA100	100	150	8.9	FBT0500700
HSKA100BLANK100250M	HSKA100	100	250	15	FBT0500701

FOR ACCESSORIES REFER PAGE NO: COOLANT TUBE- 9.097



**High Performance Cutting Tools**



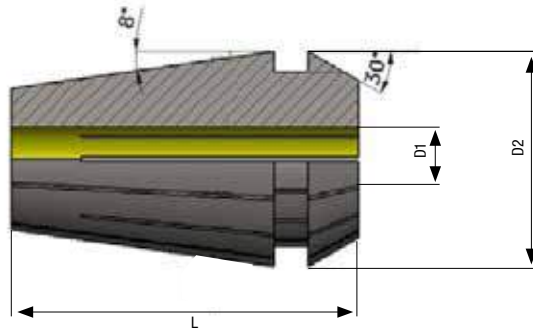


**High Performance Cutting Tools**



**ACCESSORIES**

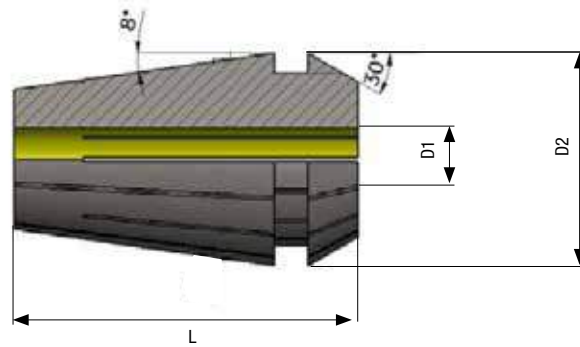
ER collets



Collets DIN 6499 - ER (Accuracy ≤ 0.015)

Diamter Range mm D1	ER8 Collet D2 = 8.5mm L = 13.5mm 0.01		ER11 Collet D2 = 11.5mm L = 18mm 0.01		ER16 Collet D2 = 17mm L = 27.5mm 0.02		ER20 Collet D2 = 21mm L = 31.5mm 0.03		ER25 Collet D2 = 26mm L = 34mm 0.06		ER32 Collet D2 = 33mm L = 40mm 0.13		ER40 Collet D2 = 41mm L = 46mm 0.23		ER50 Collet D2 = 52mm L = 60mm 0.42		Collet Capacity	
	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	max	min
1.0	FBT0500702	ER08010M	FBT0500712	ER11010M	FBT0500726	ER16010M											1.0	0.5
1.5	FBT0500703	ER08015M	FBT0500713	ER11015M													1.5	1.0
2.0	FBT0500704	ER08020M	FBT0500714	ER11020M													2.0	1.5
2.0					FBT0500727	ER16020M	FBT0500737	ER20020M	FBT0500750	ER25020M							2.0	1.0
2.5	FBT0500705	ER08025M	FBT0500715	ER11025M													2.5	2.0
3.0					FBT0500728	ER16030M	FBT0500738	ER20030M	FBT0500751	ER25030M	FBT0500766	ER32030M					3.0	2.0
3.0	FBT0500706	ER08030M	FBT0500716	ER11030M													3.0	2.5
3.5	FBT0500707	ER08035M	FBT0500717	ER11035M													3.5	3.0
4.0	FBT0500708	ER08040M	FBT0500718	ER11040M													4.0	3.5
4.0					FBT0500729	ER16040M	FBT0500739	ER20040M	FBT0500752	ER25040M	FBT0500767	ER32040M	FBT0500785	ER40040M	FBT0500785	ER40040M	4.0	3.0
4.5	FBT0500709	ER08045M	FBT0500719	ER11045M													4.5	4.0
5.0					FBT0500730	ER16050M	FBT0500740	ER20050M	FBT0500753	ER25050M	FBT0500768	ER32050M	FBT0500786	ER40050M	FBT0500786	ER40050M	5.0	4.0
5.0	FBT0500710	ER08050M	FBT0500720	ER11050M													5.0	4.5
5.5			FBT0500721	ER11055M													5.5	5.0
6.0					FBT0500731	ER16060M	FBT0500741	ER20060M	FBT0500754	ER25060M	FBT0500769	ER32060M	FBT0500787	ER40060M	FBT0500787	ER40060M	6.0	5.0
6.0			FBT0500722	ER11060M													6.0	5.5
6.5			FBT0500723	ER11065M													6.5	6.0
7.0					FBT0500732	ER16070M	FBT0500742	ER20070M	FBT0500755	ER25070M	FBT0500770	ER32070M	FBT0500788	ER40070M	FBT0500788	ER40070M	7.0	6.0
7.0			FBT0500724	ER11070M													7.0	6.5
8.0					FBT0500733	ER16080M	FBT0500743	ER20080M	FBT0500756	ER25080M	FBT0500771	ER32080M	FBT0500789	ER40080M			8.0	7.0
9.0			FBT0500734	ER16090M	FBT0500744	ER20090M	FBT0500757	ER25090M	FBT0500772	ER32090M	FBT0500790	ER40090M					9.0	8.0
10.0					FBT0500735	ER16100M	FBT0500745	ER20100M	FBT0500758	ER25100M	FBT0500773	ER32100M	FBT0500791	ER40100M			10.0	9.0
11.0							FBT0500746	ER20110M	FBT0500759	ER25110M	FBT0500774	ER32110M	FBT0500792	ER40110M			11.0	10.0
12.0															FBT0500809	ER50120M	12.0	10.0
12.0							FBT0500747	ER20120M	FBT0500760	ER25120M	FBT0500775	ER32120M	FBT0500793	ER40120M			12.0	11.0
13.0							FBT0500748	ER20130M	FBT0500761	ER25130M	FBT0500776	ER32130M	FBT0500794	ER40130M			13.0	12.0
14.0															FBT0500810	ER50140M	14.0	12.0
14.0									FBT0500762	ER25140M	FBT0500777	ER32140M	FBT0500795	ER40140M			14.0	13.0
15.0									FBT0500763	ER25150M	FBT0500778	ER32150M	FBT0500796	ER40150M			15.0	14.0
16.0															FBT0500811	ER50160M	16.0	14.0
16.0									FBT0500764	ER25160M	FBT0500779	ER32160M	FBT0500797	ER40160M			16.0	15.0
17.0											FBT0500780	ER32170M	FBT0500798	ER40170M			17.0	16.0
18.0															FBT0500812	ER50180M	18.0	16.0
18.0											FBT0500781	ER32180M	FBT0500799	ER40180M			18.0	17.0
19.0											FBT0500782	ER32190M	FBT0500800	ER40190M			19.0	18.0
20.0															FBT0500813	ER50200M	20.0	18.0
20.0											FBT0500783	ER32200M	FBT0500801	ER40200M			20.0	19.0
21.0													FBT0500802	ER40210M			21.0	20.0
22.0															FBT0500814	ER50220M	22.0	20.0
22.0													FBT0500803	ER40220M			22.0	21.0
23.0													FBT0500804	ER40230M			23.0	22.0
24.0													FBT0500815	ER50240M			24.0	22.0
24.0													FBT0500805	ER40240M			24.0	23.0
25.0													FBT0500806	ER40250M			25.0	24.0
26.0															FBT0500816	ER50260M	26.0	24.0
26.0													FBT0500807	ER40260M			26.0	25.0
28.0															FBT0500817	ER50280M	28.0	26.0
30.0															FBT0500818	ER50300M	30.0	28.0
32.0															FBT0500819	ER50320M	32.0	30.0
34.0															FBT0500820	ER50340M	34.0	32.0

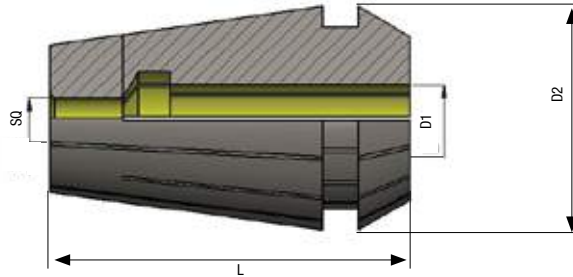
# High precision collet



Collets DIN 6499 - High Precision  
(Accuracy  $\leq 0.015$ )

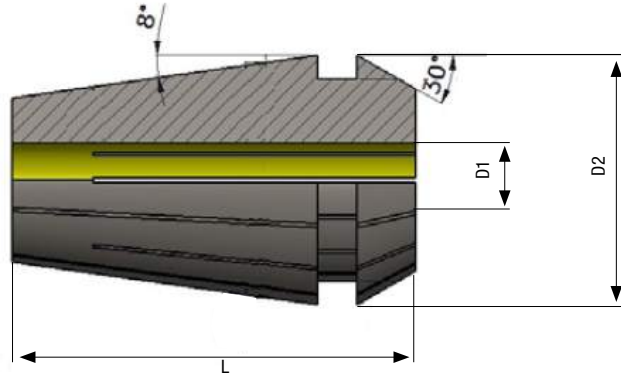
Diamter Range mm D1	ER8 HP Collet D2 = 8.5mm L = 13.5mm 0.02		ER11 HP Collet D2 = 11.5mm L = 18mm 0.02		ER16 HP Collet D2 = 17mm L = 27.5mm 0.02		ER20 HP Collet D2 = 21mm L = 31.5mm 0.06		ER25 HP Collet D2 = 26mm L = 34mm 0.06		ER32 HP Collet D2 = 33mm L = 40mm 0.13		ER40 HP Collet D2 = 41mm L = 46mm 0.23		Collet Capacity	
	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	EDP No	Description	max mm	min mm
1.0	FBT0500822	ERHP08010M	FBT0500832	ERHP11010M	FBT0500846	ERHP16010M									1.0	0.5
1.5	FBT0500823	ERHP08015M	FBT0500833	ERHP11015M											1.5	1.0
2.0					FBT0500847	ERHP16020M	FBT0500857	ERHP20020M	FBT0500870	ERHP25020M					2.0	1.0
2.0	FBT0500824	ERHP08020M	FBT0500834	ERHP11020M											2.0	1.5
2.5	FBT0500825	ERHP08025M	FBT0500835	ERHP11025M											2.5	2.0
3.0					FBT0500848	ERHP16030M	FBT0500858	ERHP20030M	FBT0500871	ERHP25030M	FBT0500886	ERHP32030M			3.0	2.0
3.0	FBT0500826	ERHP08030M	FBT0500836	ERHP11030M											3.0	2.5
3.5	FBT0500827	ERHP08035M	FBT0500837	ERHP11035M											3.5	3.0
4.0					FBT0500849	ERHP16040M	FBT0500859	ERHP20040M	FBT0500872	ERHP25040M	FBT0500887	ERHP32040M	FBT0500905	ERHP40040M	4.0	3.0
4.0	FBT0500828	ERHP08040M	FBT0500838	ERHP11040M											4.0	3.5
4.5	FBT0500829	ERHP08045M	FBT0500839	ERHP11045M											4.5	4.0
5.0					FBT0500850	ERHP16050M	FBT0500860	ERHP20050M	FBT0500873	ERHP25050M	FBT0500888	ERHP32050M	FBT0500906	ERHP40050M	5.0	4.0
5.0	FBT0500830	ERHP08050M	FBT0500840	ERHP11050M											5.0	4.5
5.5			FBT0500841	ERHP11055M											5.5	5.0
6.0					FBT0500851	ERHP16060M	FBT0500861	ERHP20060M	FBT0500874	ERHP25060M	FBT0500889	ERHP32060M	FBT0500907	ERHP40060M	6.0	5.0
6.0			FBT0500842	ERHP11060M											6.0	5.5
6.5			FBT0500843	ERHP11065M											6.5	6.0
7.0					FBT0500852	ERHP16070M	FBT0500862	ERHP20070M	FBT0500875	ERHP25070M	FBT0500890	ERHP32070M	FBT0500908	ERHP40070M	7.0	6.0
7.0			FBT0500844	ERHP11070M											7.0	6.5
8.0					FBT0500853	ERHP16080M	FBT0500863	ERHP20080M	FBT0500876	ERHP25080M	FBT0500891	ERHP32080M	FBT0500909	ERHP40080M	8.0	7.0
9.0					FBT0500854	ERHP16090M	FBT0500864	ERHP20090M	FBT0500877	ERHP25090M	FBT0500892	ERHP32090M	FBT0500910	ERHP40090M	9.0	8.0
10.0					FBT0500855	ERHP16100M	FBT0500865	ERHP20100M	FBT0500878	ERHP25100M	FBT0500893	ERHP32100M	FBT0500911	ERHP40100M	10.0	9.0
11.0							FBT0500866	ERHP20110M	FBT0500879	ERHP25110M	FBT0500894	ERHP32110M	FBT0500912	ERHP40110M	11.0	10.0
12.0							FBT0500867	ERHP20120M	FBT0500880	ERHP25120M	FBT0500895	ERHP32120M	FBT0500913	ERHP40120M	12.0	11.0
13.0							FBT0500868	ERHP20130M	FBT0500881	ERHP25130M	FBT0500896	ERHP32130M	FBT0500914	ERHP40130M	13.0	12.0
14.0									FBT0500882	ERHP25140M	FBT0500897	ERHP32140M	FBT0500915	ERHP40140M	14.0	13.0
15.0									FBT0500883	ERHP25150M	FBT0500898	ERHP32150M	FBT0500916	ERHP40150M	15.0	14.0
16.0									FBT0500884	ERHP25160M	FBT0500899	ERHP32160M	FBT0500917	ERHP40160M	16.0	15.0
17.0											FBT0500900	ERHP32170M	FBT0500918	ERHP40170M	17.0	16.0
18.0											FBT0500901	ERHP32180M	FBT0500919	ERHP40180M	18.0	17.0
19.0											FBT0500902	ERHP32190M	FBT0500920	ERHP40190M	19.0	18.0
20.0											FBT0500903	ERHP32200M	FBT0500921	ERHP40200M	20.0	19.0
21.0													FBT0500922	ERHP40210M	21.0	20.0
22.0													FBT0500923	ERHP40220M	22.0	21.0
23.0													FBT0500924	ERHP40230M	23.0	22.0
24.0													FBT0500925	ERHP40240M	24.0	23.0
25.0													FBT0500926	ERHP40250M	25.0	24.0
26.0													FBT0500927	ERHP40260M	26.0	25.0

# ER tap collets



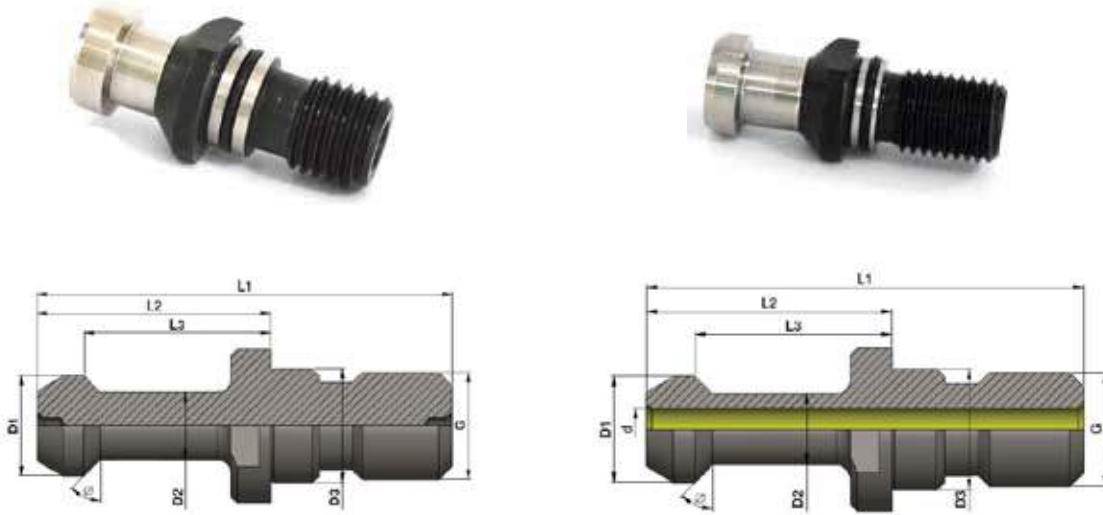
Tap Size	ER16 Tap Collet D2 = 17mm L = 27.5mm 0.02		ER20 Tap Collet D2 = 21mm L = 31.5mm 0.03		ER25 Tap Collet D2 = 26mm L = 34mm 0.06		ER32 Tap Collet D2 = 33mm L = 40mm 0.13		ER40 Tap Collet D2 = 41mm L = 46mm 0.23		ER50 Tap Collet D2 = 52mm L = 60mm 0.42		D1	SQ
	Shank Dia													Square
M3	FBT0500929	ERTC16035M	FBT0500938	ERTC20035M	FBT0500947	ERTC25035M	FBT0500963	ERTC32045M	FBT0500980	ERTC40045M			3.5	2.7
M3.5	FBT0500930	ERTC16040M	FBT0500939	ERTC20040M	FBT0500948	ERTC25040M							4.0	3.0
M4	FBT0500931	ERTC16045M	FBT0500940	ERTC20045M	FBT0500949	ERTC25045M							4.5	3.4
1/4"	FBT0500932	ERTC16055M	FBT0500941	ERTC20055M	FBT0500950	ERTC25055M	FBT0500964	ERTC32055M					5.5	4.3
M5, M6, M7 & M8	FBT0500933	ERTC16060M	FBT0500942	ERTC20060M	FBT0500951	ERTC25060M	FBT0500965	ERTC32060M	FBT0500981	ERTC40060M			6.0	4.9
M6					FBT0500961	ERTC25063M	FBT0500979	ERTC32063M	FBT0500991	ERTC40063M			6.3	4.9
M10, 3/8"	FBT0500934	ERTC16070M	FBT0500943	ERTC20070M	FBT0500952	ERTC25070M	FBT0500966	ERTC32070M	FBT0500982	ERTC40070M			7.0	5.5
M8	FBT0500935	ERTC16080M	FBT0500944	ERTC20080M	FBT0500953	ERTC25080M	FBT0500967	ERTC32080M	FBT0500983	ERTC40080M	FBT0500996	ERTC50080M	8.0	6.2
M12	FBT0500936	ERTC16090M	FBT0500945	ERTC20090M	FBT0500954	ERTC25090M	FBT0500968	ERTC32090M	FBT0500984	ERTC40090M	FBT0500997	ERTC50090M	9.0	7.0
					FBT0500962	ERTC25090M71SQ	FBT0500975	ERTC32090M71SQ					9.0	7.1
M10	FBT0500937	ERTC16100M	FBT0500946	ERTC20100M	FBT0500955	ERTC25100M	FBT0500969	ERTC32100M	FBT0500985	ERTC40100M	FBT0500998	ERTC50100M	10.0	8.0
M14					FBT0500956	ERTC25110M	FBT0500970	ERTC32110M	FBT0500986	ERTC40110M	FBT0500999	ERTC50110M	11.0	9.0
M16					FBT0500957	ERTC25120M	FBT0500971	ERTC32120M	FBT0500987	ERTC40120M	FBT0501000	ERTC50120M	12.0	9.0
M12					FBT0500958	ERTC25125M	FBT0500972	ERTC32125M	FBT0500988	ERTC40125M			12.5	10.0
							FBT0500976	ERTC32137M					13.7	11.0
M18					FBT0500959	ERTC25140M	FBT0500973	ERTC32140M	FBT0500989	ERTC40140M	FBT0501001	ERTC50140M	14.0	11.0
M20							FBT0500977	ERT-C32140M112SQ					14.0	11.2
M20					FBT0500960	ERTC25160M	FBT0500974	ERTC32160M	FBT0500990	ERTC40160M	FBT0501002	ERTC50160M	16.0	12.0
									FBT0500993	ERTC40175M			17.5	13.0
M22 & M24							FBT0500978	ERTC32180M	FBT0500992	ERTC40180M	FBT0501003	ERTC50180M	18.0	14.5
M27 & M30									FBT0500994	ERTC40200M	FBT0501004	ERTC50200M	20.0	16.0
M30											FBT0501005	ERTC50220M	22.0	18.0
M36									FBT0500995	ERTC40250M	FBT0501006	ERTC50250M	25.0	20.0
M42											FBT0501007	ERTC50280M	28.0	22.0
											FBT0501008	ERTC50320M	32.0	24.0

ER NC sealed collet



Diamter Range mm D1	ER16 NC Sealed Collet D2 = 17mm L = 27.5mm 0.02	ER20 NC Sealed Collet D2 = 21mm L = 31.5mm 0.04	ER25 NC Sealed Collet D2 = 26mm L = 34mm 0.07	ER32 NC Sealed Collet D2 = 33mm L = 40mm 0.15	ER40 NC Sealed Collet D2 = 41mm L = 46mm 0.26	ER50 NC Sealed Collet D2 = 52mm L = 60mm 0.42						
1	FBT0501009	ERSC16010M										
2	FBT0501010	ERSC16020M	FBT0501019	ERSC20020M	FBT0501031	ERSC25020M						
3	FBT0501011	ERSC16030M	FBT0501020	ERSC20030M	FBT0501032	ERSC25030M	FBT0501046	ERSC32030M				
4	FBT0501012	ERSC16040M	FBT0501021	ERSC20040M	FBT0501033	ERSC25040M	FBT0501047	ERSC32040M	FBT0501064	ERSC40040M		
5	FBT0501013	ERSC16050M	FBT0501022	ERSC20050M	FBT0501034	ERSC25050M	FBT0501048	ERSC32050M	FBT0501065	ERSC40050M		
6	FBT0501014	ERSC16060M	FBT0501023	ERSC20060M	FBT0501035	ERSC25060M	FBT0501049	ERSC32060M	FBT0501066	ERSC40060M		
7	FBT0501015	ERSC16070M	FBT0501024	ERSC20070M	FBT0501036	ERSC25070M	FBT0501050	ERSC32070M	FBT0501067	ERSC40070M		
8	FBT0501016	ERSC16080M	FBT0501025	ERSC20080M	FBT0501037	ERSC25080M	FBT0501051	ERSC32080M	FBT0501068	ERSC40080M		
9	FBT0501017	ERSC16090M	FBT0501026	ERSC20090M	FBT0501038	ERSC25090M	FBT0501052	ERSC32090M	FBT0501069	ERSC40090M		
10	FBT0501018	ERSC16100M	FBT0501027	ERSC20100M	FBT0501039	ERSC25100M	FBT0501053	ERSC32100M	FBT0501070	ERSC40100M		
11			FBT0501028	ERSC20110M	FBT0501040	ERSC25110M	FBT0501054	ERSC32110M	FBT0501071	ERSC40110M		
12			FBT0501029	ERSC20120M	FBT0501041	ERSC25120M	FBT0501055	ERSC32120M	FBT0501072	ERSC40120M	FBT0501087	ERSC50120M
13			FBT0501030	ERSC20130M	FBT0501042	ERSC25130M	FBT0501056	ERSC32130M	FBT0501073	ERSC40130M		
14					FBT0501043	ERSC25140M	FBT0501057	ERSC32140M	FBT0501074	ERSC40140M	FBT0501088	ERSC50140M
15					FBT0501044	ERSC25150M	FBT0501058	ERSC32150M	FBT0501075	ERSC40150M		
16					FBT0501045	ERSC25160M	FBT0501059	ERSC32160M	FBT0501076	ERSC40160M	FBT0501089	ERSC50160M
17							FBT0501060	ERSC32170M	FBT0501077	ERSC40170M		
18							FBT0501061	ERSC32180M	FBT0501078	ERSC40180M	FBT0501090	ERSC50180M
19							FBT0501062	ERSC32190M	FBT0501079	ERSC40190M		
20							FBT0501063	ERSC32200M	FBT0501080	ERSC40200M	FBT0501091	ERSC50200M
21									FBT0501081	ERSC40210M		
22									FBT0501082	ERSC40220M	FBT0501092	ERSC50220M
23									FBT0501083	ERSC40230M		
24									FBT0501084	ERSC40240M	FBT0501093	ERSC50240M
25									FBT0501085	ERSC40250M		
26									FBT0501086	ERSC40260M	FBT0501094	ERSC50260M
28											FBT0501095	ERSC50280M
30											FBT0501096	ERSC50300M
32											FBT0501097	ERSC50320M
34											FBT0501098	ERSC50340M

# Pull studs



Description	Taper	D1	D2	L1	L2	D3	L3	Angle	Weight (Kg)	G (Grub Screw)	Image	EDP No
PULLSTUD BT30 45 DEGREES	BT30	11	7	43	23	12.5	18	45	0.03	M12	1	FBT0501221
PULLSTUD BT30 30 DEGREES	BT30	11	7	43	23	12.5	18	30	0.03	M12	1	FBT0501222
PULLSTUD BT40 45 DEGREES	BT40	15	10	60	35	17	28	45	0.07	M16	1	FBT0501223
PULLSTUD BT40 30 DEGREES	BT40	15	10	60	35	17	28	30	0.07	M16	1	FBT0501224
PULLSTUD BT40 0 DEGREES	BT40	15	10	60	35	17	28	0	0.07	M16	1	FBT0501225
PULLSTUD BT50 45 DEGREES	BT50	23	17	85	45	25	35	45	0.24	M24	1	FBT0501226
PULLSTUD BT50 30 DEGREES	BT50	23	17	85	45	25	35	30	0.24	M24	1	FBT0501227
PULLSTUD BT50 0 DEGREES	BT50	23	17	85	45	25	35	0	0.07	M24	1	FBT0501228
PULLSTUD TC BT40 45 DEGREES	BT40	15	10	60	35	17	28	45	0.07	M16	2	FBT0501229
PULLSTUD TC BT40 30 DEGREES	BT40	15	10	60	35	17	28	30	0.07	M16	2	FBT0501230
PULLSTUD TC BT40 0 DEGREES	BT40	15	10	60	35	17	28	0	0.07	M16	2	FBT0501231
PULLSTUD TC BT50 45 DEGREES	BT50	23	17	85	45	25	35	45	0.24	M24	2	FBT0501232
PULLSTUD TC BT50 30 DEGREES	BT50	23	17	85	45	25	35	30	0.24	M24	2	FBT0501233
PULLSTUD TC BT50 0 DEGREES	BT50	23	17	85	45	25	35	0	0.24	M24	2	FBT0501234

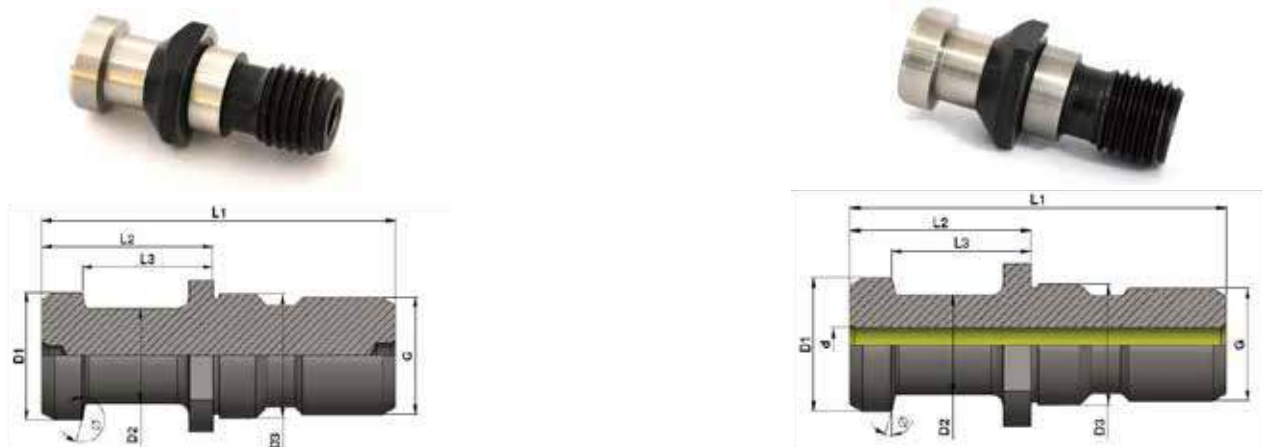


### Pull studs



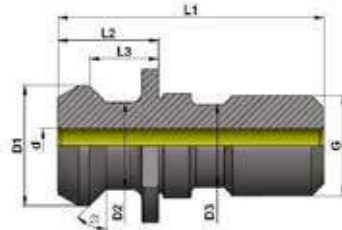
Description	Taper	D1	D2	L1	L2	D3	L3	d	Angle	G (Grub Screw)	Weight (Kg)	Image	EDP No
PULLSTUD TC SK40 15 DEGREES	SK40	19	14	54	26	17	20	7	15	M16	0.07	1	FBT0501237
PULLSTUD TC SK50 15 DEGREES	SK50	28	21	74	34	25	25	11.5	15	M24	0.21	1	FBT0501238
PULLSTUD SK40 15 DEGREES	SK40	19	14	54	26	17	20	15	M16	0.07	0.07	2	FBT0501235
PULLSTUD SK50 15 DEGREES	SK50	28	21	74	34	25	25	15	M24	0.21	0.21	2	FBT0501236
DIN PULL STUDS WITH O Ring SK40 15 DEGREES	SK40	19	14	54	26	17	20	15	M16	0.07	-	3	FBT0501239
DIN PULL STUDS WITH O Ring SK50 15 DEGREES	SK50	28	21	74	34	25	25	15	M24	0.21	-	3	FBT0501240

### JIS



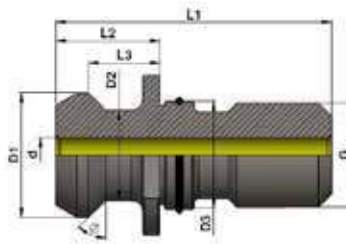
Description	Taper	D1	D2	L1	L2	D3	d	L3	Angle	G (Grub screw)	Weight (Kg)	Image	EDP No
JIS PULL STUDS 40 15 DEGREES	40	19	14	54	29	17	-	23	15	M16	0.07	1	FBT0501241
JIS PULL STUDS 50 15 DEGREES	50	28	21	74	34	25	-	25	15	M24	0.19	1	FBT0501242
JIS PULL STUDS WITH TC 40 15 DEGREES	40	19	14	54	29	17	7	23	15	M16	0.07	2	FBT0501243
JIS PULL STUDS WITH TC 50 15 DEGREES	50	28	21	74	34	25	11.5	25	15	M24	0.19	2	FBT0501244

### ISO 7388 - with TC hole



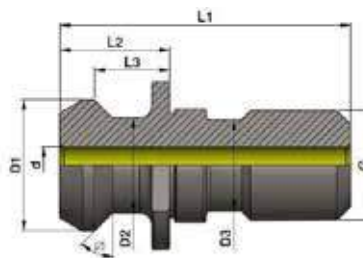
Description	Taper	D1	D2	L1	G	L2	Angle	D3	L3	d.	Weight (Kg)	EDP No
ISO 7388 PULL STUD THRU CLNT 40 45°	40	18.95	12.95	44.5	M16	16.4	45	17	11.15	7.35	0.06	FBT0501562
ISO 7388 PULL STUD THRU CLNT 50 45°	50	29.1	19.6	65.5	M24	25.55	45	25	17.95	11.55	0.19	FBT0501563

### ISO 7388 with TC O ring



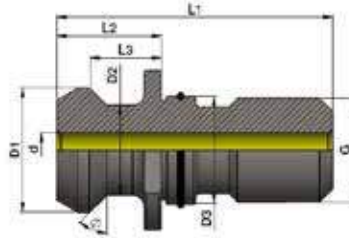
Description	Taper	D1	D2	L1	G	L2	Angle	D3	L3	d.	Weight (Kg)	EDP No
ISO 7388 PULL STUD THRU CLNT O RING 40 45°	40	18.95	12.95	44.5	M16	16.4	45	17	11.15	7.35	0.06	FBT0501564
ISO 7388 PULL STUD THRU CLNT O RING 50 45°	50	29.1	19.6	65.5	M24	25.55	45	25	17.95	11.55	0.19	FBT0501565

### Mazak with TC



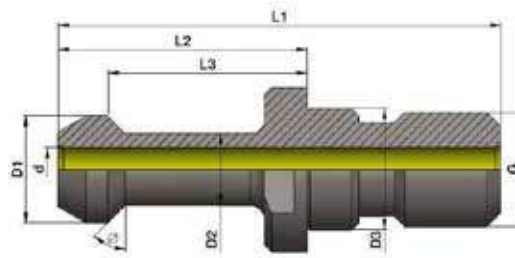
Description	Taper	D1	D2	L1	G	L2	Angle	D3	L3	d.	Weight (Kg)	EDP No
MAZAK PULL STUD THRU CLNT 40 45°	40	18.79	12.44	44.1	M16	19.1	45	17	14.026	7	0.05	FBT0501566
MAZAK PULL STUD THRU CLNT 50 45°	50	28.95	20.82	65.2	M24	25.2	45	25	17.58	10	0.2	FBT0501567

## Mazak with TC hole and O ring



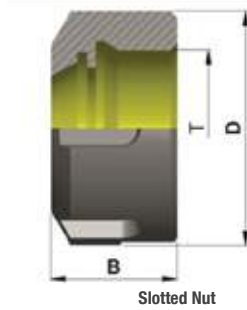
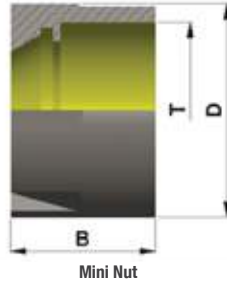
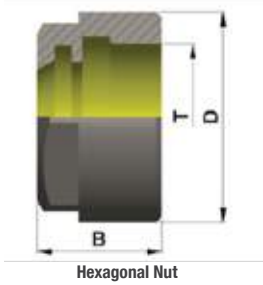
Description	Taper	D1	D2	L1	G	L2	Angle	D3	L3	d.	Weight (Kg)	EDP No
MAZAK PULL STUD THRU CLNT WITH O RING 40 45°	40	18.79	12.44	44.1	M16	19.1	45	17	14.026	7	0.05	FBT0501568
MAZAK PULL STUD THRU CLNT WITH O RING 50 45°	50	28.95	20.82	65.2	M24	25.2	45	25	17.58	10	0.2	FBT0501569

## MAS 403 BT with TC hole (brother M\C)



Description	Taper	D1	D2	L1	G	L2	Angle	D3	L3	d.	Weight (Kg)	EDP No
BT PULL STUDS 30 30° SPL48(Brother M/C)	30	11	7.5	43	M12	23	30	12.5	2	18	0.03	FBT0501570

# ER Nuts



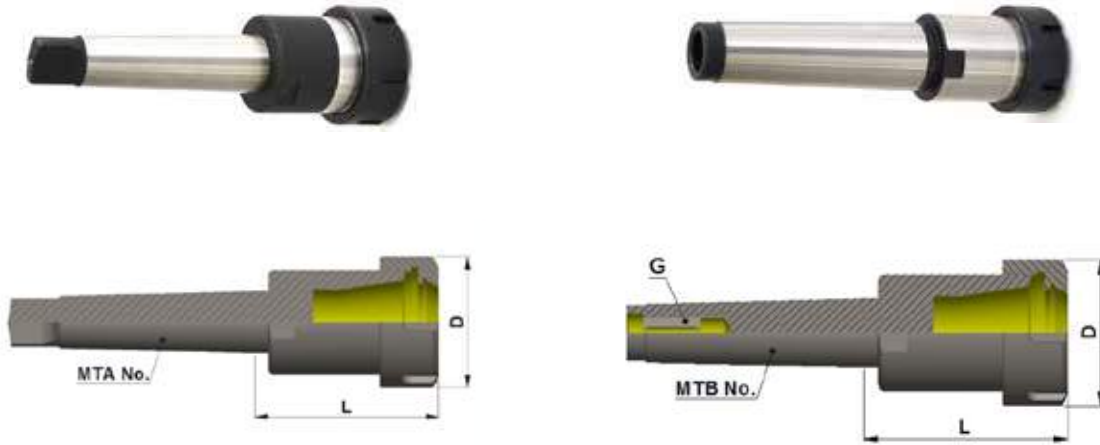
Description	ER Collet	D	B	T	Spanner	Weight (Kg)	Image	EDP No
NUTER11	ER11	19	11.3	M14X0.75	FBT0501109	0.01	1	FBT0501099
NUTER16	ER16	28	17.5	M22X1.50	FBT0501110	0.03	1	FBT0501100
MINI NUT 11ER	ER11	16	11.3	M13X0.75	FBT0501116	0.02	2	FBT0501593
MINI NUT 16ER	ER16	22	17.5	M19X1.00	FBT0501117	0.02	2	FBT0501101
MINI NUT 20ER	ER20	28	19	M24X1.00	FBT0501118	0.03	2	FBT0501103
MINI NUT 25ER	ER25	35	20	M30X1.00	FBT0501119	0.05	2	FBT0501105
SLOTTED NUT 20ER	ER20	35	19	M25X1.50	FBT0501111	0.07	3	FBT0501102
SLOTTED NUT 25ER	ER25	42	20	M32X1.50	FBT0501112	0.09	3	FBT0501104
SLOTTED NUT 32ER	ER32	50	22.5	M40X1.50	FBT0501113	0.14	3	FBT0501106
SLOTTED NUT 40ER	ER40	63	25.5	M50X1.50	FBT0501114	0.26	3	FBT0501107
SLOTTED NUT 50ER	ER50	78	35	M64X2.00	FBT0501115	0.49	3	FBT0501108

## Spanners



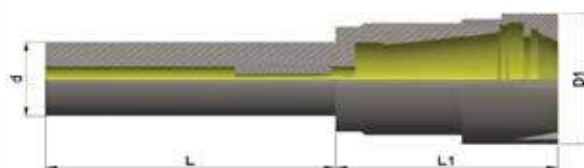
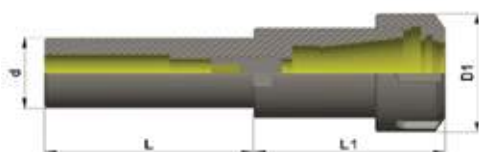
Description	ER Collet	Weight (Kg)	Image	EDP No
SPANNER FOR HEX NUT ER11	ER11	0.12	1	FBT0501109
SPANNER FOR HEX NUT ER16	ER16	0.17	1	FBT0501110
SPANNER FOR SLOTTED NUT ER20	ER20	0.17	2	FBT0501111
SPANNER FOR SLOTTED NUT ER25	ER25	0.23	2	FBT0501112
SPANNER FOR SLOTTED NUT ER32	ER32	0.27	2	FBT0501113
SPANNER FOR SLOTTED NUT ER40	ER40	0.31	2	FBT0501114
SPANNER FOR SLOTTED NUT ER50	ER50	0.33	2	FBT0501115
SPANNER FOR MINI NUT ER11	ER11	0.13	3	FBT0501116
SPANNER FOR MINI NUT ER16	ER16	0.13	3	FBT0501117
SPANNER FOR MINI NUT ER20	ER20	0.18	3	FBT0501118
SPANNER FOR MINI NUT ER25	ER25	0.2	3	FBT0501119

# MTA Shank



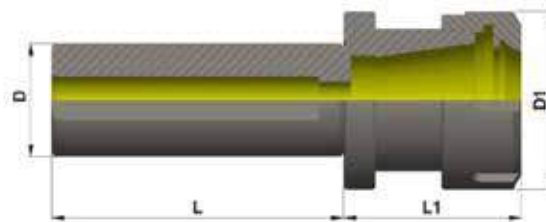
Description	D	L	G (Grub Screw)	Er Collet	Nut	Clamping Range	MTA NO	Weight (Kg)	Image	EDP No
MTA3 TANG TYPE COLLET HOLDER ER32070M	50	70	-	ER32	FBT0501106	2.0-20.0	MTA3	0.8	1	FBT0501154
MTA3 TANG TYPE COLLET HOLDER ER40075M	63	75	-	ER40	FBT0501107	3.0-26.0	MTA3	1	1	FBT0501155
MTA4 TANG TYPE COLLET HOLDER ER32075M	50	75	-	ER32	FBT0501106	2.0-20.0	MTA4	1.1	1	FBT0501156
MTA4 TANG TYPE COLLET HOLDER ER40075M	63	75	-	ER40	FBT0501107	3.0-26.0	MTA4	1.3	1	FBT0501157
MTB TYPE COLLET CHUCKS MTB3 ER32 L070M	50	70	M12	ER32	FBT0501106	2.0-20.0	MTB3	0.7	2	FBT0501158
MTB TYPE COLLET CHUCKS MTB3 ER40 L075M	63	75	M12	ER40	FBT0501107	3.0-26.0	MTB3	0.9	2	FBT0501159
MTB TYPE COLLET CHUCKS MTB4 ER32 L075M	50	75	M16	ER32	FBT0501106	2.0-20.0	MTB4	1.0	2	FBT0501160
MTB TYPE COLLET CHUCKS MTB4 ER40 L075M	63	75	M16	ER40	FBT0501107	3.0-26.0	MTB4	1.3	2	FBT0501161

## Cylindrical collet chuck - shank type



Description	ER Collet	D1	L	L1	G (Grub Screw)	d	Nut	Clamping Range	Weight (Kg)	Image	EDP No
CYLINDRICAL SHANK 12 ER11 L100	ER11	19	100	30	-	12	FBT0501099	1.0-7.0	0.1	1	FBT0501120
CYLINDRICAL SHANK 12 ER11 L150	ER11	19	150	30	-	12	FBT0501099	1.0-7.0	0.16	1	FBT0501121
CYLINDRICAL SHANK 16 ER11 L150	ER11	19	150	30	-	16	FBT0501099	1.0-7.0	0.2	1	FBT0501122
CYLINDRICAL SHANK 16 ER16 L060	ER16	28	60	45	M8	16	FBT0501100	1.0-10.0	0.2	1	FBT0501123
CYLINDRICAL SHANK 16 ER16 L100	ER16	28	100	45	M8	16	FBT0501100	1.0-10.0	0.2	1	FBT0501124
CYLINDRICAL SHANK 16 ER16 L150	ER16	28	150	45	M8	16	FBT0501100	1.0-10.0	0.3	1	FBT0501125
CYLINDRICAL SHANK 20 ER20 L060	ER20	35	60	52	M8	20	FBT0501102	1.0-13.0	0.3	1	FBT0501129
CYLINDRICAL SHANK 20 ER20 L100	ER20	35	100	52	M8	20	FBT0501102	1.0-13.0	0.3	1	FBT0501130
CYLINDRICAL SHANK 20 ER20 L150	ER20	35	150	52	M8	20	FBT0501102	1.0-13.0	0.4	1	FBT0501131
CYLINDRICAL SHANK 25 ER25 L060	ER25	42	60	55	M12	25	FBT0501104	1.0-16.0	0.5	1	FBT0501135
CYLINDRICAL SHANK 25 ER25 L100	ER25	42	100	55	M12	25	FBT0501104	1.0-16.0	0.6	1	FBT0501136
CYLINDRICAL SHANK 25 ER25 L150	ER25	42	200	55	M12	25	FBT0501104	1.0-16.0	0.81	1	FBT0501137
CYLINDRICAL SHANK MINI NUT 16 ER16 L100	ER16	22	100	40	M6	16	FBT0501101	1.0-10.0	0.2	2	FBT0501126
CYLINDRICAL SHANK MINI NUT 16 ER16 L150	ER16	22	150	40	M6	16	FBT0501101	1.0-10.0	0.258	2	FBT0501127
CYLINDRICAL SHANK MINI NUT 16 ER16 L200	ER16	22	200	40	M6	16	FBT0501101	1.0-10.0	0.335	2	FBT0501128
CYLINDRICAL SHANK MINI NUT 20 ER20 L100	ER20	28	100	42	M6	20	FBT0501103	1.0-13.0	0.4	2	FBT0501132
CYLINDRICAL SHANK MINI NUT 20 ER20 L150	ER20	28	150	42	M12	20	FBT0501103	1.0-13.0	0.44	2	FBT0501133
CYLINDRICAL SHANK MINI NUT 20 ER20 L200	ER20	28	200	42	M12	20	FBT0501103	1.0-13.0	0.53	2	FBT0501134
CYLINDRICAL SHANK MINI NUT 25 ER25 L100	ER25	35	100	32	M12	25	FBT0501105	1.0-16.0	0.5	2	FBT0501138
CYLINDRICAL SHANK MINI NUT 25 ER25 L150	ER25	35	150	32	M12	25	FBT0501105	1.0-16.0	0.649	2	FBT0501139
CYLINDRICAL SHANK MINI NUT 25 ER25 L200	ER25	35	200	32	M12	25	FBT0501105	1.0-16.0	0.81	2	FBT0501140

## Cylindrical collet chuck - shank type

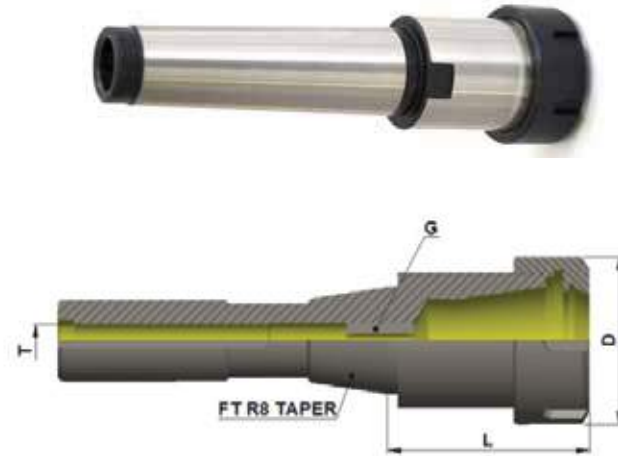


Description	D	D1	L	L1	ER Collet	G (Grub Screw)	Nut	Clamping Range	Weight (Kg)	EDP No
CYLINDRICAL COLLET CHUCK 32ER25 82 L050M	32	42	82	50	ER25	M14X1.5	FBT0501104	1.0-16.0	0.7	FBT0501162*
CYLINDRICAL COLLET CHUCK 32ER32 82 L055M	32	50	82	55	ER32	M14X1.5	FBT0501106	2.0-20.0	0.8	FBT0501163*
CYLINDRICAL COLLET CHUCK 32ER40 82 L070M	32	63	82	70	ER40	M14X1.5	FBT0501107	3.0-26.0	1.2	FBT0501164*
CYLINDRICAL COLLET CHUCK 40ER25 85 L050M	40	42	85	50	ER25	M16X1.5	FBT0501104	1.0-16.0	1	FBT0501165*
CYLINDRICAL COLLET CHUCK 40ER32 85 L055M	40	50	85	55	ER32	M16X1.5	FBT0501106	2.0-20.0	1.1	FBT0501166*
CYLINDRICAL COLLET CHUCK 40ER40 85 L065M	40	63	85	65	ER40	M16X1.5	FBT0501107	3.0-26.0	1.3	FBT0501167*
CYLINDRICAL COLLET CHUCK 50ER25 90 L050M	50	42	90	50	ER25	M18X1.5	FBT0501104	1.0-16.0	1.6	FBT0501168*
CYLINDRICAL COLLET CHUCK 50ER32 90 L055M	50	50	90	55	ER32	M22X1.5	FBT0501106	2.0-20.0	1.7	FBT0501169*
CYLINDRICAL COLLET CHUCK 50ER40 90 L060M	50	63	90	60	ER40	M22X1.5	FBT0501107	3.0-26.0	1.9	FBT0501170*

\* For CNC Lathe



## Threaded type collet chuck



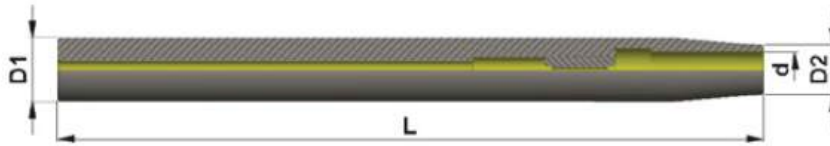
Description	D	L	Collet	G (Grub screw)	Nut	Clamping Range	Weight (Kg)	EDP No
THREADED TYPE COLLET CHUCK M12 ER32060M	50	60	ER32	M12	FBT0501106	2.0-20.0	0.7	FBT0501208
THREADED TYPE COLLET CHUCK M12 ER40070M	63	70	ER40	M12	FBT0501107	3.0-26.0	1.1	FBT0501209

## Drill chucks



Description	Size	Weight (Kg)	EDP No
DRILL CHUCK 06 JTA	0.074	0.074	FBT0501583
DRILL CHUCK B 16	B16	0.074	FBT0501584

# Extensions



Description	Size	D1	L	D2	d	G (Grub screw)	Weight (Kg)	EDP No
SHRINKFIT EXTENSIONS 16 SFC06150M	SFC06	16	150	10	6	M5	0.18	FBT0501141
SHRINKFIT EXTENSIONS 16 SFC08150M	SFC08	16	150	14	8	M6	0.155	FBT0501142
SHRINKFIT EXTENSIONS 16 SFC10150M	SFC10	16	150	14	10	M8X1	0.143	FBT0501143
SHRINKFIT EXTENSIONS 20 SFC06200M	SFC06	20	200	14	6	M5	0.411	FBT0501144
SHRINKFIT EXTENSIONS 20 SFC08200M	SFC08	20	200	14	8	M6	0.377	FBT0501145
SHRINKFIT EXTENSIONS 20 SFC10200M	SFC10	20	200	15	10	M8X1	0.367	FBT0501146
SHRINKFIT EXTENSIONS 20 SFC12200M	SFC12	20	200	16	12	M10X1	0.354	FBT0501147
SHRINKFIT EXTENSIONS 25 SFC06200M	SFC06	25	200	14	6	M5	0.5	FBT0501148
SHRINKFIT EXTENSIONS 25 SFC08200M	SFC08	25	200	19	8	M6	0.644	FBT0501149
SHRINKFIT EXTENSIONS 25 SFC10200M	SFC10	25	200	20	10	M8X1	0.632	FBT0501150
SHRINKFIT EXTENSIONS 25 SFC12200M	SFC12	25	200	20	12	M10X1	0.616	FBT0501151
SHRINKFIT EXTENSIONS 25 SFC14200M	SFC14	25	200	20	14	M10X1	0.6	FBT0501152
SHRINKFIT EXTENSIONS 25 SFC16200M	SFC16	25	200	22	16	M12X1	0.589	FBT0501153

## Boring bar sleeves - CNC lathe

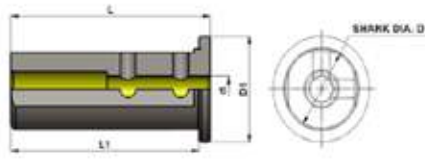


Fig.1

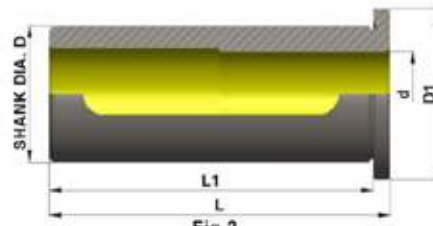
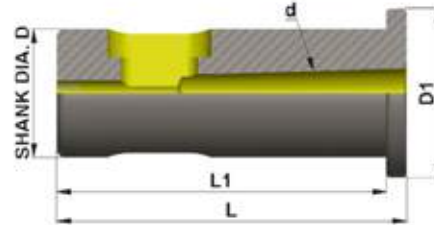


Fig.2

Descriptiion	D	D1	L	L1	d	Weight (Kg)	Image	EDP No
BORINGBAR SLEEVE 25080M	25	35	70	65	8	0.2	1	FBT0501171
BORINGBAR SLEEVE 25100M	25	35	70	65	10	0.2	1	FBT0501172
BORINGBAR SLEEVE 25120M	25	35	70	65	12	0.2	1	FBT0501173
BORINGBAR SLEEVE 25160M	25	35	70	65	16	0.1	2	FBT0501174
BORINGBAR SLEEVE 25200M	25	35	70	65	20	0.1	2	FBT0501175
BORINGBAR SLEEVE 32080M	32	42	87	82	8	0.4	1	FBT0501178
BORINGBAR SLEEVE 32100M	32	42	87	82	10	0.5	1	FBT0501179
BORINGBAR SLEEVE 32120M	32	42	87	82	12	0.5	1	FBT0501180
BORINGBAR SLEEVE 32160M	32	42	87	82	16	0.4	2	FBT0501181
BORINGBAR SLEEVE 32200M	32	42	87	82	20	0.3	2	FBT0501182
BORINGBAR SLEEVE 32250M	32	42	87	82	25	0.2	2	FBT0501183
BORINGBAR SLEEVE 40080M	40	50	90	85	8	0.8	1	FBT0501187
BORINGBAR SLEEVE 40100M	40	50	90	85	10	0.8	1	FBT0501188
BORINGBAR SLEEVE 40120M	40	50	90	85	12	0.8	1	FBT0501189
BORINGBAR SLEEVE 40160M	40	50	90	85	16	0.6	2	FBT0501190
BORINGBAR SLEEVE 40200M	40	50	90	85	20	0.6	2	FBT0501191
BORINGBAR SLEEVE 40250M	40	50	90	85	25	0.4	2	FBT0501192
BORINGBAR SLEEVE 40320M	40	50	90	85	32	0.3	2	FBT0501193
BORINGBAR SLEEVE 50080M	50	60	95	90	8	1.4	1	FBT0501197
BORINGBAR SLEEVE 50100M	50	60	95	90	10	1.4	1	FBT0501198
BORINGBAR SLEEVE 50120M	50	60	95	90	12	1.3	1	FBT0501199
BORINGBAR SLEEVE 50160M	50	60	95	90	16	1.2	2	FBT0501200
BORINGBAR SLEEVE 50200M	50	60	95	90	20	1.1	2	FBT0501201
BORINGBAR SLEEVE 50250M	50	60	95	90	25	1	2	FBT0501202
BORINGBAR SLEEVE 50320M	50	60	95	90	32	0.8	2	FBT0501203
BORINGBAR SLEEVE 50400M	50	60	95	90	40	0.5	2	FBT0501204

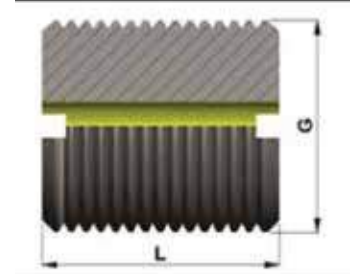
## Boring bar sleeves MT - CNC lathe



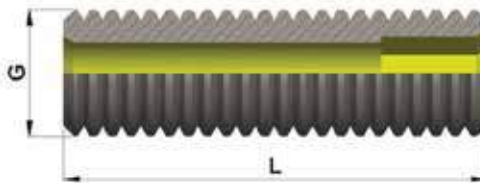
Description	D	d	D1	L1	L	Weight (Kg)	EDP No
BORINGBAR SLEEVE 250MT1	25	MT1	35	65	76	0.2	FBT0501176
BORINGBAR SLEEVE 250MT2	25	MT2	35	65	89	0.2	FBT0501177
BORINGBAR SLEEVE 320MT1	32	MT1	42	82	87	0.5	FBT0501184
BORINGBAR SLEEVE 320MT2	32	MT2	42	82	89	0.4	FBT0501185
BORINGBAR SLEEVE 320MT3	32	MT3	42	82	110	0.4	FBT0501186
BORINGBAR SLEEVE 400MT1	40	MT1	50	85	90	0.8	FBT0501194
BORINGBAR SLEEVE 400MT2	40	MT2	50	85	90	0.7	FBT0501195
BORINGBAR SLEEVE 400MT3	40	MT3	50	85	110	0.8	FBT0501196
BORINGBAR SLEEVE 500MT1	50	MT1	60	90	95	1.3	FBT0501205
BORINGBAR SLEEVE 500MT2	50	MT2	60	90	95	1.3	FBT0501206
BORINGBAR SLEEVE 500MT3	50	MT3	60	90	110	1.4	FBT0501207

## Stopper screw

Description	G	L	EDP No
STOPPER SCREW-M6	M6	20	FBT0501260
STOPPER SCREW-7/16	7/16	20	FBT0501261
STOPPER SCREW-M14	M14	20	FBT0501262
STOPPER SCREW-M16	M16	20	FBT0501263
STOPPER SCREW-M18	M18	20	FBT0501264
STOPPER SCREW-M22	M22	20	FBT0501265
STOPPER SCREW-M28	M28	20	FBT0501266

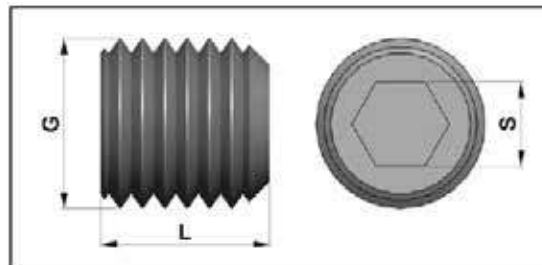


## Stopper screw



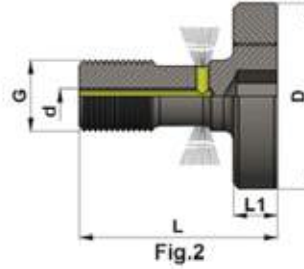
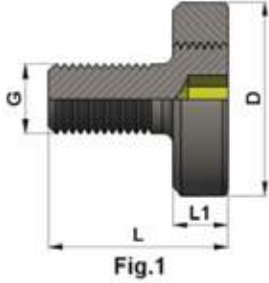
Description	G	L	EDP No
STOPPER SCREW-M5	M5	20	FBT0501303
STOPPER SCREW-M6	M6	20	FBT0501296
STOPPER SCREW-M8	M8	20	FBT0501297
STOPPER SCREW-M10	M10	20	FBT0501298
STOPPER SCREW-M12	M12	20	FBT0501299
STOPPER SCREW-M16	M16	20	FBT0501300

## Spares grub screw



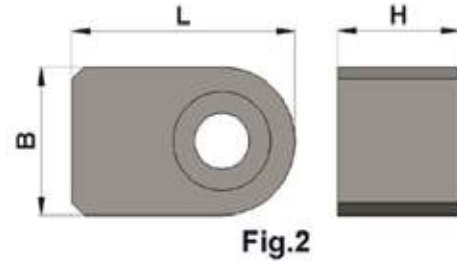
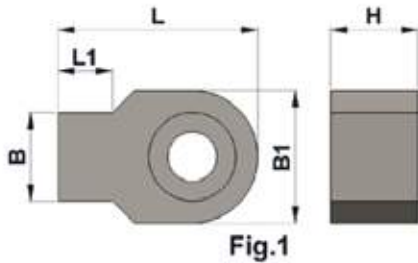
Description	G	S	L	EDP Code
GRUB SCREW-M6	M6	3	10	FBT0501251
GRUB SCREW-M8	M8	4	10	FBT0501252
GRUB SCREW-M10	M10	5	12	FBT0501253
GRUB SCREW-M12	M12	6	16	FBT0501254
GRUB SCREW-M14	M14	6	16	FBT0501255
GRUB SCREW-M16	M16	8	16	FBT0501256
GRUB SCREW-M18	M18	10	20	FBT0501257
GRUB SCREW-M20	M20	10	25	FBT0501258
GRUB SCREW-M24	M24	12	25	FBT0501259

# Cutter clamping screw



Description	D	L	L1	G	d	Allen Key	Type	Image Ref	EDP No
CUTTER CLAMPING SCREW-M8	20	23	7	M8		5mm	Normal	1	FBT0501267
CUTTER CLAMPING SCREW-M10	28	26	8	M10		6mm	Normal	1	FBT0501268
CUTTER CLAMPING SCREW-M12	35	31	9	M12		8mm	Normal	1	FBT0501269
CUTTER CLAMPING SCREW-M16	42	36	10	M16		10mm	Normal	1	FBT0501270
CUTTER CLAMPING SCREW-M20	52	41	11	M20		12mm	Normal	1	FBT0501271
CUTTER CLAMPING SCREW-M30	75	60	15	M30		17mm	Normal	1	FBT0501272
CUTTER CLAMPING SCREW-M24	75	49	13	M24		14mm	Normal	1	FBT0501273
CUTTER CLAMPING SCREW TC-M8	20	32	7	M8	2.5	5mm	Thru Coolant	2	FBT0501274
CUTTER CLAMPING SCREW TC-M10	28	33	8	M10	3.2	6mm	Thru Coolant	2	FBT0501275
CUTTER CLAMPING SCREW TC-M12	35	44	9	M12	3.2	8mm	Thru Coolant	2	FBT0501276
CUTTER CLAMPING SCREW TC-M16	42	45	10	M16	3.2	10mm	Thru Coolant	2	FBT0501277
CUTTER CLAMPING SCREW TC-M20	52	51	11	M20	3.2	12mm	Thru Coolant	2	FBT0501278

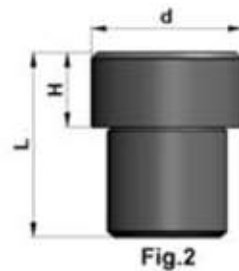
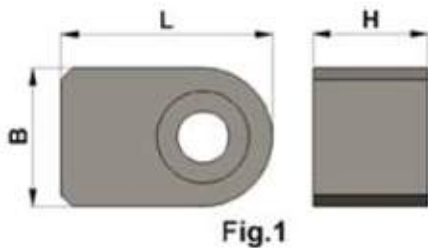
## Drive key



Description	B	b1	L	L1	H	Allen Screw	Image Ref	EDP No
DRIVE KEY 08-16	8	12	17.5	5	8	M4	1	FBT0501279
DRIVE KEY 10-22	10	12	18.3	7.5	10	M4	1	FBT0501280
DRIVE KEY 12-27	12	-	18.3	-	10	M4	2	FBT0501281
DRIVE KEY 14-32	14	-	24	-	13	M5	2	FBT0501282
DRIVE KEY 16-40	16	-	24	-	16	M6	2	FBT0501283

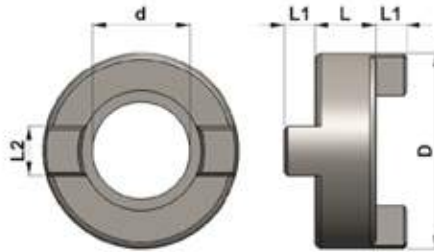
Note: All Adapters will be provided with the standard non through coolant cutter clamping screw, unless specified to supply with through coolant cutter clamping screw

## Drive key



Description	B	d	h	l	Allen Screw	EDP No
DRIVING KEY 40 FMH	16	-	16	24	M6	FBT0501294
DRIVING KEY 60 FMH	-	25.4	12.5	31	M6	FBT0501295

## Drive ring



Description	d	D	L	L1	L2	EDP No
DRIVE RING 16	16	32	10	5	8	FBT0501284
DRIVE RING 22	22	40	12	5.6	10	FBT0501285
DRIVE RING 27	27	48	12	6.3	12	FBT0501286
DRIVE RING 32	32	58	14	7	14	FBT0501287
DRIVE RING 40	40	70	14	8	16	FBT0501288

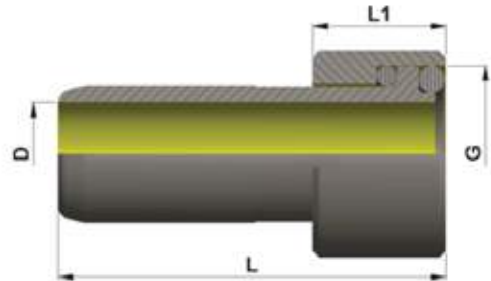
## Parallel key



Description	d	B	H	L	EDP No
PARALLEL KEY 4X20	16	4	4	20	FBT0501289
PARALLEL KEY 6X25	22	6	6	25	FBT0501290
PARALLEL KEY 7X25	27	7	7	25	FBT0501291
PARALLEL KEY 8X28	32	8	7	28	FBT0501292
PARALLEL KEY 10X32	40	10	8	32	FBT0501293



## Coolant tube



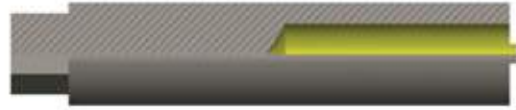
Description	Taper	Weight (Kg)	L	L1	G (Grub Screw)	D	EDP No
COOLANT TUBE HSKA50	HSK50A	0.02	33	9.5	M16X1	10	FBT0501245
COOLANT TUBE HSKA63	HSK63A	0.03	36.5	11.5	M18X1	12	FBT0501246
COOLANT TUBE HSKA100	HSK100A	0.05	44	15.5	M24X1.5	16	FBT0501247

## Toolboy



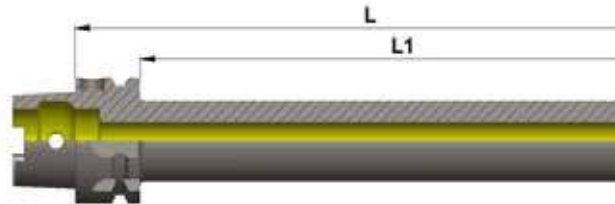
Description	Taper	Weight (Kg)	EDP No
TOOLBOY HSKA50	HSK50	4	FBT0501210
TOOLBOY HSKA63	HSK63	5	FBT0501211
TOOLBOY HSKA100	HSK100	9.5	FBT0501212

## Coolant tube spanner



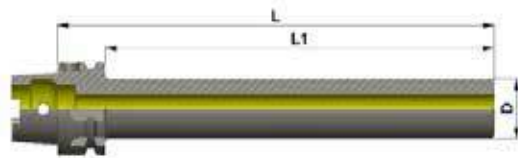
Description	Taper	Weight (Kg)	EDP No
COOLANT TUBE SPANNER HSKA50	HSK50A	0.13	FBT0501248
COOLANT TUBE SPANNER HSKA63	HSK63A	0.14	FBT0501249
COOLANT TUBE SPANNER HSKA100	HSK100A	0.26	FBT0501250

## Test bars - HSK taper



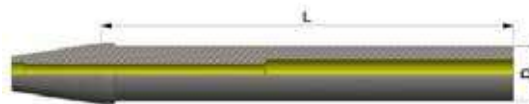
Description	Taper	L	L1	Weight (Kg)	EDP No
TEST BAR HSK A50	HSK50A	236	210	1.4	FBT0501213
TEST BAR HSK A63	HSK63A	346	320	3.2	FBT0501214
TEST BAR HSK A100	HSK100A	349	320	4.6	FBT0501215

## Test bars – HSK taper



Description	L	L1	Size	D	Weight (Kg)	EDP NO
TEST BAR HSK A50	236	210	A50	50	1.4	FBT0501574
TEST BAR HSK A63	346	320	A63	63	3.2	FBT0501575
TEST BAR HSK A100	349	320	A100	100	4.6	FBT0501576

## Test bars – ISO taper



Description	L	Size	D	Weight (Kg)	EDP No
TEST BAR 30 ISO	300	ISO30	30	0.9	FBT0501571
TEST BAR 40 ISO	300	ISO40	40	1.9	FBT0501572
TEST BAR 50 ISO	300	ISO50	50	5.6	FBT0501573

## ATC “0” setting - ISO



Description	Size	Weight (Kg)	EDP No
BT 40 AD ZERO SETTING TOOL	BT40	2.6	FBT0501577
BT 50 AD ZERO SETTING TOOL	BT50	4.5	FBT0501578
SK 40 AD ZERO SETTING TOOL	SK40	2.6	FBT0501579

## ATC “0” setting - HSK



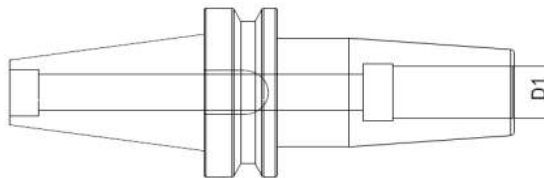
Description	Size	Weight (Kg)	EDP No
HSK A50 ATC ZERO SETTING TOOL	HSK A50	2.0	FBT0501580
HSK A63 ATC ZERO SETTING TOOL	HSK A63	3.0	FBT0501581
HSK A100 ATC ZERO SETTING TOOL	HSK A100	4.0	FBT0501582

## Shrink fit machine with compressed air cooling



EDP NO: FBT0501585

Name	Description
Power	5kw
Supply Voltage	230cAc / Single Phase / 50Hz
Air Supply	5 - 6 Bar at 120 lts / min
Working Stroke	350 mm
Heater Head Movement	Manual Jogging Forward and Return Stroke
Average Heating Time	20secs
Possible Tool Diameters	3mm to 32mm
User Interface	Via 4" Monochrome Touch Screen
Cooling	Using Compressed Air
Cooling Method	In Line with Heating Coil
Cooling Time	2 - 3 mins (can be set by operator)
Cooling Operation	Automatic
Cooling Distance	Can be set by operator based on tool height
Cooling for Tool Removal	Can be set off if not required
Heating Chart	Based on tool diameters / Heating Time
Cooling Chart	Based on tool diameters / Holder Height



### SHRINK FIT MACHINE COIL SELECTION CHART FOR HOLDERS

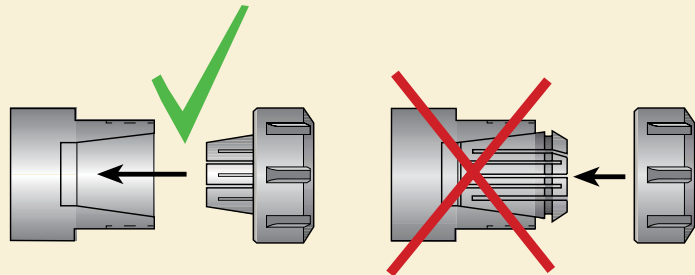
S.NO	SFC ØD1 IN mm	Heating Time To Insert The Tool In Sec	HEATING TIME FOR REMOVAL OF THE TOOL IN Sec	Coil Type
1	SFC 3	10	10	A
2	SFC 4	10	10	
3	SFC 5	12	12	
4	SFC 6	12	16	B
5	SFC 8	15	13	
6	SFC 10	12	15	
7	SFC 12	13	11	
8	SFC 14	16	20	C
9	SFC 16	13	16	
10	SFC 18	16	18	
11	SFC 20	17	18	
12	SFC 25	19	17	
13	SFC 32	19	17	

Note: The above timing are for the New Tool and Holder only. It will change depending upon the Tool & holder condition. (Tolerance of the above Timing is ±20%)

## Technical details

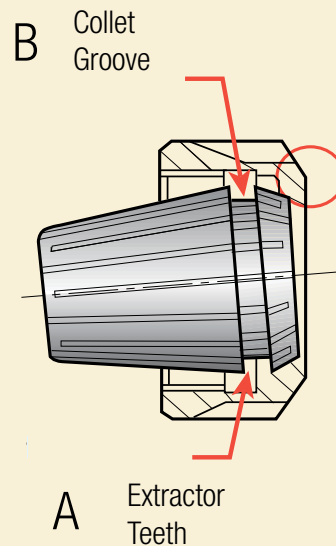
### INSTRUCTIONS FOR USE

- Always assemble the collet into the nut before mounting onto the collet chuck.
- When unclamping the nut, the collet will self-release from the chuck by means of extractor teeth.



### INSERTION PROCEDURE

- Insert the collet at an angle, fitting the two extractor teeth which protrude (A) into the collet's groove (B)
- Place the two parts on a clean and horizontal work surface, press down with your thumb on the back end of the collet until it clicks into place.



### EXTRACTION PROCEDURE

Warning: Insert a screwdriver vertically between the nut slots and the collet on the reverse side of the engraved diamond shape. Tilt the screwdriver outwards, while helping the extraction by pushing the collet's back end in the opposite direction.



### NOTES

For maximum performance the clamping nut thread and collet taper must be cleaned and oiled before use