TOOLING SYSTEM



TOOLING SYSTEM

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BT MAS	G63
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Guide to Icons



Run-out



Surface Hardness



Balance Grade



Taper Shank Grade



Surface Finish Grade



Technical Data Page



ER Collet Page



TSK Collet Page



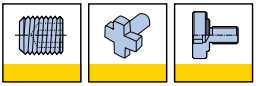
Straight Collet Page



Pull Stud Page



Preset Screw Page



Lock Screw Page



ER-SRK Page



Nut Page



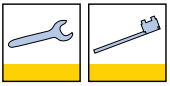
Tap Adapter Page



Cooling Tube Page



Tube Wrench Page



Wrench Page



Driving Ring Page



Induction Heating Unit Page



Thermal Heating Unit Page



Tool Selection Guide

Tooling system

Milling chuck

- DIN69871 G15
- HSK G41
- BT MAS-403 G71
- DIN2080 G100





Collet (NCSR) G164-G166



ST shank G123-G127



Collet (ER) G151-G159



GTIN collet G172-G1734

Collet chuck

- DIN69871 G10-G12
- HSK G35-G39
- BT MAS-403 G65-G68
- DIN2080 G99
- C-ADAPTER G110-G111
- ST shank G123-G127
- MT shank G138





Collet (ER) G151-G159



T-SHRINK Collet G167-G170



T-FLEX collet G171



GTIN collet G172-G173

TSK collet chuck

- DIN69871 G13
- HSK G40
- BT MAS-403 G69





TSK collet G160-G161

T-SHRINK chuck

- DIN69871 G19-G20
- HSK G45-G47
- BT MAS-403 G77-G80
- C-ADAPTER G118-G119



- DIN69871 G21
- HSK G48-G50
- BT MAS-403 G81-G82
- ST shank G136



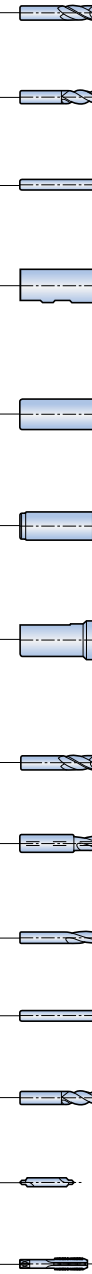
THYCHUCK chuck

- DIN69871 G22-G23
- HSK G51-G53
- BT MAS-403 G83-G84
- ST Shank G128





THC collet G162-G163



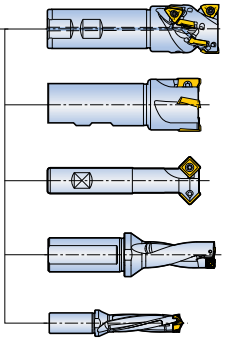
Tool Selection Guide

Tooling system

End mill holder

- DIN69871 G16-G18
- HSK G42-G44
- BT MAS-403 G72-G76
- DIN2080 G101
- C-ADAPTER G112-G114

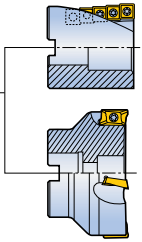




Face mill / Shell end mill arbor

- DIN69871 G24-G25, G27
- HSK G54-G56, G58
- BT MAS-403 G86-G90, G92
- DIN2080 G102-G103
- C-ADAPTER G115, G117

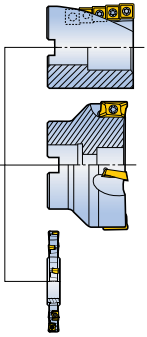




Combi face mill / Combi shell end mill arbor

- DIN69871 G26
- HSK G57
- BT MAS-403 G91
- DIN2080 G104
- C-ADAPTER G116

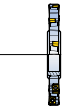




Slotting cutter arbor

- DIN69871 G28
- BT MAS-403 G85





Centering plug

- DIN2080 G107



Tool Selection Guide

Tooling system

Adapter

· DIN69871 G31
· BT MAS-403 G94



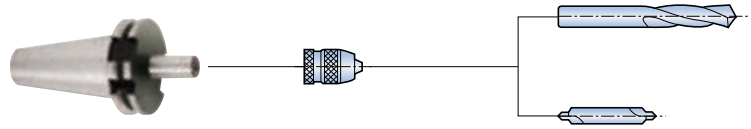
Morse taper adapter

· DIN69871 G29-G30
· HSK G59
· BT MAS-403 G93-G94
· DIN2080 G105-G106



Drill chuck arbor

· BT MAS-403 G95
· DIN2080 G107



Tap chuck (GTI)

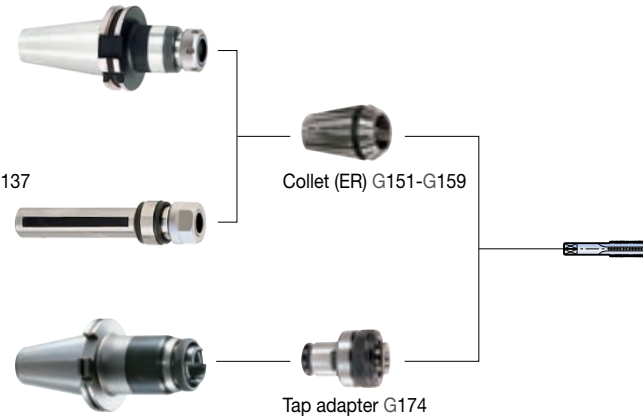
· DIN69871 G14
· BT MAS-403 G70

· GTI ER collet chuck G137

Collet (ER) G151-G159

· DIN69871 G14
· BT MAS-403 G70
· MTA G139

Tap adapter G174



Tool Selection Guide

Tooling system

GFI floating reamer chuck (GFI)

· ST shank G138







Collet (ER) G151-G159

TFLEXTEC

· DIN69871 G32
· HSK G60-G61
· BT MAS-403 G96
· C-ADAPTER G120
· ST shank G129-G132

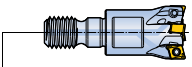


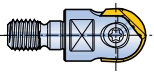


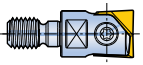
ST shank G129-G132



Adapter G133-G135







Blank

· HSK G62
· C-ADAPTER G121



GREEN Typhoon

· ER shank G141
· BT MAS-403 G142
· HSK G143
· C-ADAPTER G144
· ST shank G145



HPC Typhoon

· BT MAS-403 G146
· HSK G147







Collet (ER11 SPR EX..AA)
G152, G157, G159

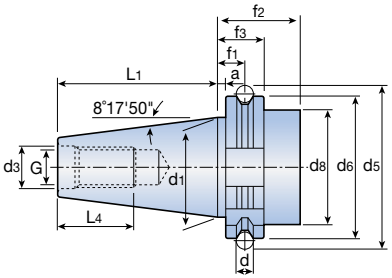
DIN69871

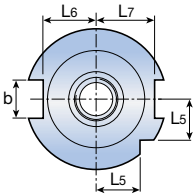


DIN69871 Form A/AD/B/ADB

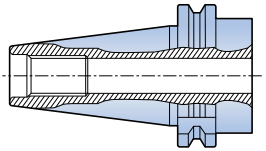
Standard toolholder

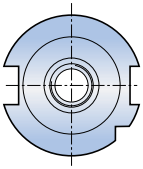
Type “A”



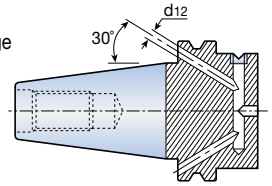


Type “AD”
Coolant hole

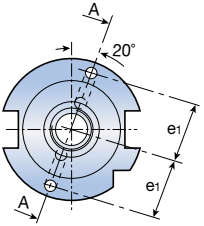




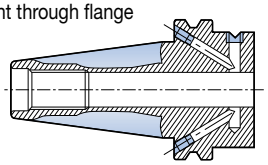
Type “B”
Coolant through flange



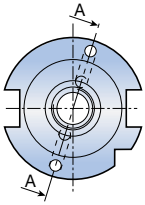
A-A



Type “ADB”
Coolant hole or coolant through flange



A-A



Shank	a ±0.1	b (H12)	d	d1	G	d3 (H7)	d5 ±0.05	d6	d8max	f1 ±0.1
30	3.2	16.1	7	31.75	M12	13	59.30	50.00	45	11.1
40	3.2	16.1	7	44.45	M16	17	72.30	63.55	50	11.1
50	3.2	25.7	7	69.85	M24	25	107.25	97.50	80	11.1

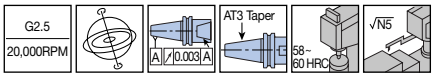
Shank	f2min	f3 -0.1	L1 -0.3	L4min	L5 -0.3	L6 -0.4	L7 -0.4	e1 ±0.1	d12	Taper AT3
30	35	19.1	47.80	24	15.0	16.4	19.0	21	4	0.002
40	35	19.1	68.40	32	18.5	22.8	25.0	27	4	0.003
50	35	19.1	101.75	47	30.0	35.5	37.7	42	6	0.004

▸ For non-stock items: Supply condition is subject to availability
If not available in stock then MOQ (Minimum order qty) will be applicable

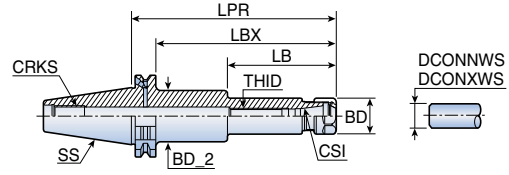
DIN69871-ER

ER collet chucks





DIN69871 form ADB DIN6499



Designation		Dimension (mm)										
		SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
DIN69871 30	**ER 16x63**	30	ER16	0.5	10.0	28	-	63	43.9	28	M12	M10
DIN69871 40	**ER 16x63**	40	ER16	0.5	10.0	28	-	63	43.9	-	M16	M10
	ER 16x100	40	ER16	0.5	10.0	28	-	100	80.9	-	M16	M10
	ER 16x160(1)	40	ER16	0.5	10.0	28	40	160	140.9	85	M16	M10
	ER 20x63	40	ER20	1.0	13.0	34	-	63	43.9	-	M16	M12
	ER 20x100	40	ER20	1.0	13.0	34	-	100	80.9	-	M16	M12
	ER 20x160(1)	40	ER20	1.0	13.0	34	44	160	140.9	19	M16	M12
DIN69871 50	**ER 16x100**	50	ER16	0.5	10.0	28	-	100	80.9	-	M24	M10
	ER 16x160(1)	50	ER16	0.5	10.0	28	40	160	140.9	85	M24	M10
	ER 16x200(1)	50	ER16	0.5	10.0	28	40	200	180.9	110	M24	M10
	ER 20x100	50	ER20	1.0	13.0	34	-	100	80.9	-	M24	M12
	ER 20x160(1)	50	ER20	1.0	13.0	34	45	160	140.9	86	M24	M12

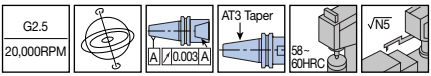
G151-G159 G176-G177 G177-G179 G180 G183

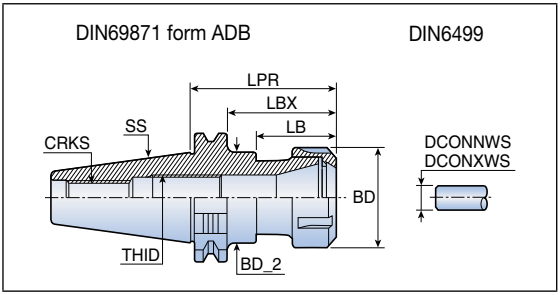
- Add B for coolant through flange
- (1) Balance to G6.3 at 12,000RPM

DIN69871-ER

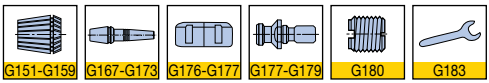
ER collet chucks







Designation		Dimension (mm)										
		SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
DIN69871 40	**ER 25x65**	40	ER25	1.0	16.0	42	32.4	65	45.9	28.0	M16	M16x2
	ER 25x100	40	ER25	1.0	16.0	42	-	100	80.9	-	M16	M16x2
	ER 25x150	40	ER25	1.0	16.0	42	-	150	130.9	-	M16	M16x2
	ER 32x65	40	ER32	2.0	20.0	50	40.4	65	45.9	32.0	M16	M22x1.5
	ER 32x100	40	ER32	2.0	20.0	50	49.0	100	80.9	35.0	M16	M22x1.5
	ER 32x150	40	ER32	2.0	20.0	50	49.0	150	130.9	35.0	M16	M22x1.5
	ER 40x70	40	ER40	3.0	26.0	63	50.4	70	50.9	32.0	M16	M28x1.5
	ER 40x100	40	ER40	3.0	26.0	63	50.4	100	80.9	32.0	M16	M28x1.5
DIN69871 50	**ER 25x100**	50	ER25	1.0	16.0	42	-	100	80.9	-	M24	M16x2
	ER 25x150	50	ER25	1.0	16.0	42	50.0	150	130.9	80.9	M24	M16x2
	ER 25x200(1)	50	ER25	1.0	16.0	42	55.0	200	180.9	85.0	M24	M16x2
	ER 32x100	50	ER32	2.0	20.0	50	-	100	80.9	-	M24	M22x1.5
	ER 32x150	50	ER32	2.0	20.0	50	-	150	130.9	-	M24	M22x1.5
	ER 32x200(1)	50	ER32	2.0	20.0	50	-	200	180.9	-	M24	M22x1.5
	ER 40x100	50	ER40	3.0	26.0	63	-	100	80.9	-	M24	M28x1.5
	ER 40x150	50	ER40	3.0	26.0	63	-	150	130.9	-	M24	M28x1.5
	ER 40x200(1)	50	ER40	3.0	26.0	63	-	200	180.9	-	M24	M28x1.5
	ER 50x100	50	ER50	10.0	34.0	78	-	100	80.9	-	M24	M36x1.5
	ER 50x150	50	ER50	10.0	34.0	78	-	150	130.9	-	M24	M36x1.5

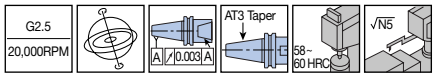


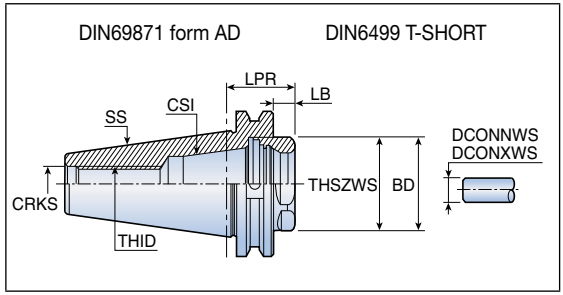
- Add B for coolant through flange
- (1) Balance to G6.3 at 12,000RPM

DIN69871-ER-SHORT

Short ER collet chucks







Designation	Dimension (mm)									
	SS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	CRKS	THSZWS	THID
DIN69871 40 ER32 SHORT	40	ER32	2.0	20.0	40	25.1	6.0	M16	M40x1.5	-
DIN69871 50 ER32 SHORT	50	ER32	2.0	20.0	40	28.6	9.5	M24	M40x1.5	M22x1.5
ER40 SHORT	50	ER40	3.0	26.0	50	28.6	9.5	M24	M50x1.5	M28x1.5


G151-G159

G167-G173

G177-G179

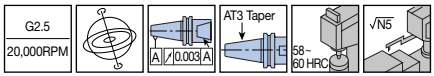
G180

G183

DIN69871-TSK

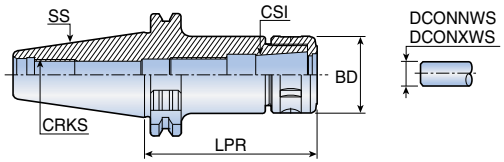
TSK collet chucks





DIN69871 form AD

TSK



Designation		Dimension (mm)						
		SS	CSI	DCONNWS	DCONXWS	BD	LPR	CRKS
DIN69871 40	**TSK 6-90**	40	TSK6	1.5	6.0	19.5	90	M16
	TSK 6-120	40	TSK6	1.5	6.0	19.5	120	M16
	TSK 10-90	40	TSK10	1.5	10.0	27.5	90	M16
	TSK 10-120	40	TSK10	1.5	10.0	27.5	120	M16
	TSK 16-90	40	TSK16	2.5	16.0	40.0	90	M16
	TSK 16-120	40	TSK16	2.5	16.0	40.0	120	M16
	TSK 25-90	40	TSK25	7.5	25.0	55.0	90	M16
	TSK 25-120	40	TSK25	7.5	25.0	55.0	120	M16
DIN69871 50	**TSK 6-120**(1)	50	TSK6	1.5	6.0	19.5	120	M24
	TSK 6-165(1)	50	TSK6	1.5	6.0	19.5	165	M24
	TSK 6-195(1)	50	TSK6	1.5	6.0	19.5	195	M24
	TSK 10-120(1)	50	TSK10	1.5	10.0	27.5	120	M24
	TSK 10-165(1)	50	TSK10	1.5	10.0	27.5	165	M24
	TSK 10-195(1)	50	TSK10	1.5	10.0	27.5	195	M24
	TSK 16-120(1)	50	TSK16	2.5	16.0	40.0	120	M24
	TSK 16-165(1)	50	TSK16	2.5	16.0	40.0	165	M24
	TSK 16-195(1)	50	TSK16	2.5	16.0	40.0	195	M24
	TSK 25-120(1)	50	TSK25	7.5	25.0	55.0	120	M24
	TSK 25-165(1)	50	TSK25	7.5	25.0	55.0	165	M24
	TSK 25-195(1)	50	TSK25	7.5	25.0	55.0	195	M24

G160-G161 G177 G177-G179 G184 G194

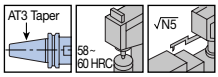
- Add B for coolant through flange
- (1) Balance to G6.3 at 12,000RPM

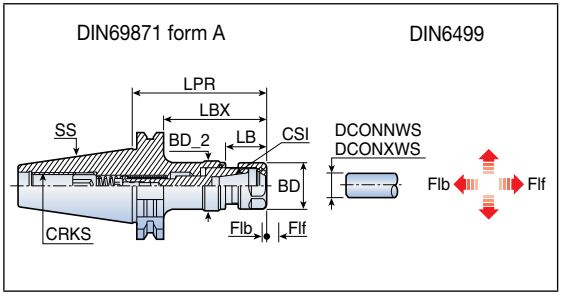
TaeguTec Member IMC Group

GTI DIN69871-ER

GTI tap attachments





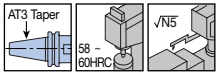


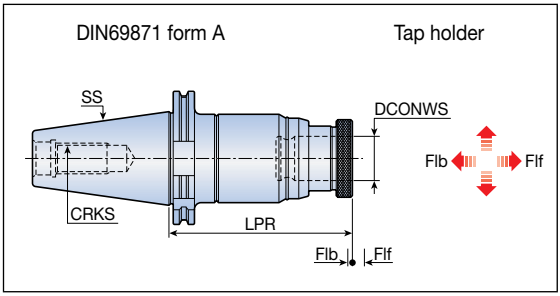
Designation		Dimension (mm)													
		SS	CSI	Tapmin	Tapmax	DCONNWS	DCONXWS	BD_2	BD	LPR	LBX	LB	Flb	Flf	CRKS
GTI DIN69871 40	**ER 16**	40	ER16	M3	M10	0.5	10.0	29.5	28	81.2	62.1	24.6	3	8	M16
	ER 32	40	ER32	M6	M20	2.0	20.0	56.5	50	112.6	93.5	33.0	4	9	M16
	ER 40	40	ER40	M6	M28	3.0	26.0	56.5	63	130.6	111.5	51.0	4	9	M16
GTI DIN69871 50	**ER 16**	50	ER16	M3	M10	0.5	10.0	29.5	28	106.8	87.7	24.6	3	8	M24
	ER 32	50	ER32	M6	M20	2.0	20.0	56.5	50	115.3	96.2	33.0	4	9	M24
	ER 40	50	ER40	M6	M28	3.0	26.0	56.5	63	133.3	114.2	51.0	4	9	M24

DIN69871-TC

Tap holders







Designation		Dimension (mm)								
		SS	Tapmin	Tapmax	DCONWS	LPR	Flb	Flf	Tap adapter	CRKS
DIN69871 40	**TC 12-90**	40	M3	M12	19	90	6.5	12	TA1	M16
	TC 22-142	40	M6	M24	31	142	14.5	13	TA2	M16
DIN69871 50	**TC 12-130**	50	M3	M12	19	130	6.5	12	TA1	M24
	TC 22-142	50	M6	M24	31	142	14.5	13	TA2	M24
	TC 38-190	50	M18	M38	48	190	20.0	20	TA3	M24


G151-G159


G174


G176-G177


G177-G179


G183



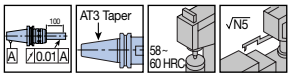
G200

▸ Torque control system

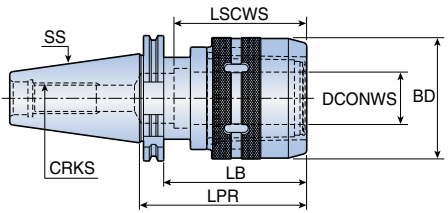
DIN69871-NTMC

Milling chucks





DIN69871 form AD Milling chuck



Designation		Dimension (mm)						
		SS	DCONWS	BD	LPR	LB	LSCWS	CRKS
DIN69871 40	**NTMC 20-90**	40	20	53	90	70.9	82	M16
	NTMC 20-105	40	20	53	105	85.9	95	M16
	NTMC 32-95	40	32	72	95	75.9	85	M16
	NTMC 32-105	40	32	72	105	85.9	95	M16
	NTMC 32-120	40	32	72	120	100.9	105	M16
DIN69871 50	**NTMC 20-105**	50	20	53	105	85.9	105	M24
	NTMC 32-105	50	32	74	105	85.9	110	M24
	NTMC 32-135	50	32	74	135	115.9	125	M24
	NTMC 32-165	50	32	74	165	145.9	125	M24
	NTMC 42-105	50	42	94	105	85.9	120	M24
	NTMC 42-135	50	42	94	135	115.9	130	M24


G164-G166


G177-G179


G183

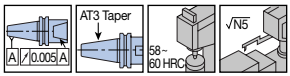


G196

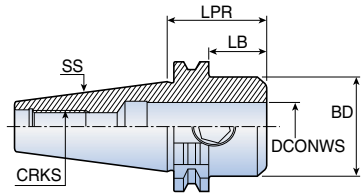
DIN69871-EM

Short end mill holders

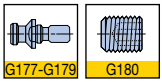




DIN69871 form AD DIN6359



Designation	Dimension (mm)					
	SS	DCONWS	BD	LPR	LB	CRKS
DIN69871 40 EM 10x45	40	10	35	45	25.9	M16
EM 12x45	40	12	42	45	25.9	M16
EM 14x45	40	14	44	45	25.9	M16
EM 16x45	40	16	48	45	25.9	M16
EM 18x45	40	18	49	45	25.9	M16
EM 20x45	40	20	49	45	25.9	M16
EM 25x45	40	25	49	45	25.9	M16

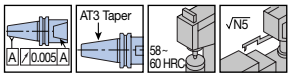


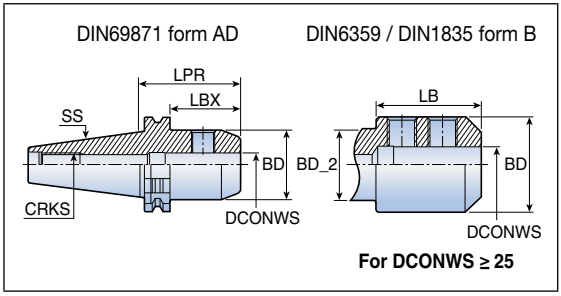
▸ Add B for coolant through flange

DIN69871-EM

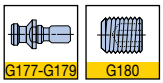
End mill holders







Designation	Dimension (mm)							
	SS	DCONWS	BD	BD_2	LPR	LBX	LB	CRKS
DIN69871 30 EM 20x72	30	20	52	-	72	52.9	-	M12
DIN69871 40 EM 6x50	40	6	25	-	50	30.9	-	M16
EM 8x50	40	8	28	-	50	30.9	-	M16
EM 10x50	40	10	35	-	50	30.9	-	M16
EM 12x50	40	12	42	-	50	30.9	-	M16
EM 14x63	40	14	44	-	63	43.9	-	M16
EM 16x63	40	16	48	-	63	43.9	-	M16
EM 18x63	40	18	50	-	63	43.9	-	M16
EM 20x63	40	20	52	-	63	43.9	-	M16
EM 25x100	40	25	64	49.0	100	80.9	65	M16
EM 32x100	40	32	71	49.0	100	80.9	65	M16
DIN69871 50 EM 6x63	50	6	25	-	63	43.9	-	M24
EM 8x63	50	8	28	-	63	43.9	-	M24
EM 10x63	50	10	35	-	63	43.9	-	M24
EM 12x63	50	12	42	-	63	43.9	-	M24
EM 14x63	50	14	44	-	63	43.9	-	M24
EM 16x63	50	16	48	-	63	43.9	-	M24
EM 18x63	50	18	50	-	63	43.9	-	M24
EM 20x63	50	20	52	-	63	43.9	-	M24
EM 25x80	50	25	65	-	80	60.9	-	M24
EM 32x100	50	32	72	-	100	80.9	-	M24
EM 40x100	50	40	90	79.9	100	80.9	43	M24
EM 50x125	50	50	98	79.9	125	105.9	90	M24

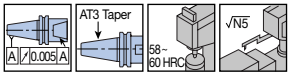


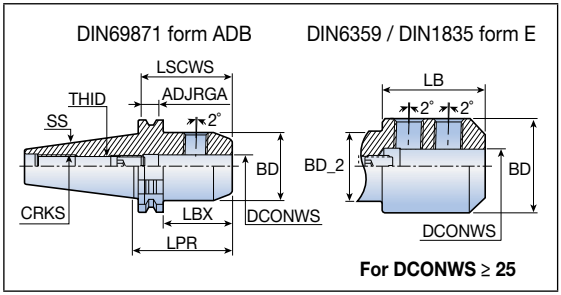
▸ Add B for coolant through flange except DIN69871 30

DIN69871-EM-E

End mill holders - Whistle notch







Designation	Dimension (mm)										
	SS	DCONWS	BD	BD_2	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID
DIN69871 40 EM 8x50E	40	8	28	-	50	30.9	-	10	45	M16	M6
EM 10x50E	40	10	35	-	50	30.9	-	10	49	M16	M8
EM 12x50E	40	12	42	-	50	30.9	-	10	54	M16	M10
EM 16x63E	40	16	48	-	63	43.9	-	10	57	M16	M12
EM 20x63E	40	20	52	-	63	43.9	-	10	59	M16	M16
EM 25x100E	40	25	64	49	100	80.9	65	10	64	M16	M20x1.5
EM 32x100E	40	32	71	49	100	80.9	65	10	68	M16	M20x1.5
DIN69871 50 EM 12x63E	50	12	42	-	63	43.9	-	10	54	M24	M10
EM 14x63E	50	14	44	-	63	43.9	-	10	54	M24	M10
EM 16x63E	50	16	48	-	63	43.9	-	10	57	M24	M12
EM 20x63E	50	20	52	-	63	43.9	-	10	59	M24	M16
EM 25x80E	50	25	65	-	80	60.9	-	10	64	M24	M20x1.5
EM 32x100E	50	32	72	-	100	80.9	-	10	68	M24	M20x1.5
EM 40x100E	50	40	90	79	100	80.9	43	10	78	M24	M20x1.5

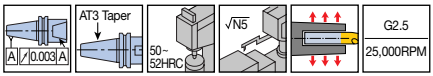


- The adjustment screw has an internal coolant hole
- Add B for coolant through the flange

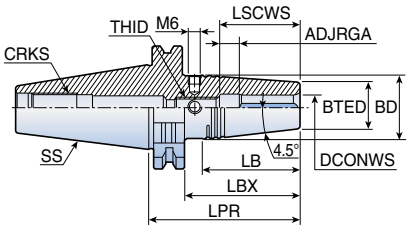
DIN69871-SRKIN-CX

CX coolant type thermal shrinking chucks





DIN69871 form AD T-SHRINK



Designation	Dimension (mm)										
	SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID
DIN69871 40 SRKIN 6x80 CX	40	6	21	27	80	60.9	38	10	34	M16	M5
SRKIN 8x80 CX	40	8	21	27	80	60.9	38	10	34	M16	M6
SRKIN 10x80 CX	40	10	24	32	80	60.9	51	9	40	M16	M8
SRKIN 12x80 CX	40	12	24	32	80	60.9	51	9	45	M16	M10
SRKIN 14x80 CX	40	14	27	34	80	60.9	45	9	45	M16	M10
SRKIN 16x80 CX	40	16	27	34	80	60.9	45	9	48	M16	M12
SRKIN 20x80 CX	40	20	33	42	80	60.9	57	9	49	M16	M16
SRKIN 25x100 CX	40	25	44	53	100	80.9	57	9	55	M16	M16
DIN69871 50 SRKIN 6x80 CX(1)	50	6	21	27	80	61	38	10	34	M24	M5
SRKIN 8x80 CX(1)	50	8	21	27	80	60.9	38	10	34	M24	M6
SRKIN 10x80 CX(1)	50	10	24	32	80	60.9	51	9	40	M24	M8
SRKIN 12x80 CX(1)	50	12	24	32	80	60.9	51	9	45	M24	M10
SRKIN 14x80 CX(1)	50	14	27	34	80	60.9	45	9	45	M24	M10
SRKIN 16x80 CX(1)	50	16	27	34	80	60.9	45	9	48	M24	M12
SRKIN 18x80 CX(1)	50	18	33	42	80	60.9	57	9	48	M24	M12
SRKIN 20x80 CX(1)	50	20	33	42	80	60.9	57	9	49	M24	M16
SRKIN 25x100 CX(1)	50	25	44	53	100	80.9	57	9	55	M24	M16
SRKIN 32x100 CX(1)	50	32	44	53	100	80.9	57	9	59	M24	M16

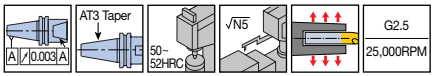
G177-G179 G181 G188-G190 G199

- Only use inductive heating device for T-SHRINK holders
- (1) Balance to G2.5 at 20,000RPM

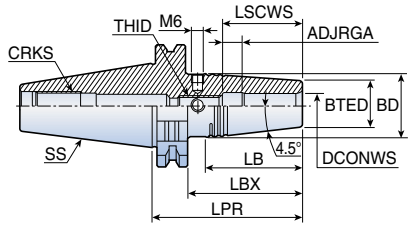
DIN69871-SRKIN

Thermal shrinking chucks





DIN69871 form AD T-SHRINK



Designation	Dimension (mm)										
	SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID
DIN69871 40 SRKIN 6x80	40	6	21	27	80	60.9	38.0	11	36	M16	M5
SRKIN 8x80	40	8	21	27	80	60.9	38.0	11	36	M16	M6
SRKIN 10x80	40	10	24	32	80	60.9	50.5	11	42	M16	M8
SRKIN 12x80	40	12	24	32	80	60.9	50.5	16	47	M16	M10
SRKIN 14x80	40	14	27	34	80	60.9	44.2	11	47	M16	M10
SRKIN 16x80	40	16	27	34	80	60.9	44.2	11	50	M16	M12
SRKIN 18x80	40	18	33	42	80	60.9	57.0	11	50	M16	M12
SRKIN 20x80	40	20	33	42	80	60.9	57.0	11	52	M16	M16
SRKIN 25x100	40	25	44	53	100	80.9	57.0	11	58	M16	M16
DIN69871 50 SRKIN 6x80(1)	50	6	21	27	80	60.9	38.0	11	36	M24	M5
SRKIN 8x80(1)	50	8	21	27	80	60.9	38.0	11	36	M24	M6
SRKIN 10x80(1)	50	10	24	32	80	60.9	51.0	11	42	M24	M8
SRKIN 12x80(1)	50	12	24	32	80	60.9	51.0	16	47	M24	M10
SRKIN 14x80(1)	50	14	27	34	80	60.9	45.0	11	47	M24	M10
SRKIN 16x80(1)	50	16	27	34	80	60.9	45.0	11	50	M24	M12
SRKIN 18x80(1)	50	18	33	42	80	60.9	57.0	11	50	M24	M12
SRKIN 20x80(1)	50	20	33	42	80	60.9	57.0	11	52	M24	M16
SRKIN 25x100(1)	50	25	44	53	100	80.9	57.0	11	58	M24	M16
SRKIN 32x100(1)	50	32	44	53	100	80.9	57.0	11	62	M24	M16

G177-G179 G181 G188-G190 G199

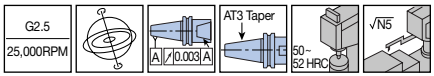
- Only use inductive heating device for T-SHRINK holders
- Add B for coolant through flange
- (1) Balance to G2.5 at 20,000RPM

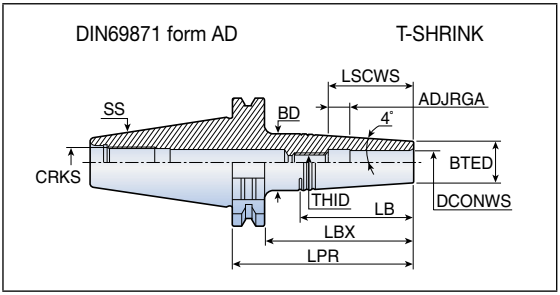
DIN69871-SRK

T-SHRINK

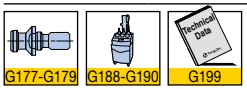
Thermal shrinking chucks







Designation		Dimension (mm)											
		SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID	Hex key
DIN69871 40	**SRK 3x50**	40	3	10	15	69.1	50	35.5	6	16	M16	M6	3
	SRK 3x85	40	3	10	19	104.1	85	64.1	6	16	M16	M6	3
	SRK 4x50	40	4	10	15	69.1	50	35.5	6	18	M16	M6	3
	SRK 4x85	40	4	10	19	104.1	85	64.1	6	18	M16	M6	3
	SRK 5x50	40	5	10	15	69.1	50	35.5	6	21	M16	M6	3
	SRK 5x85	40	5	10	19	104.1	85	64.1	6	18	M16	M6	3
	SRK 6x50	40	6	11	16	69.1	50	35.8	14.5	36.5	M16	M5	2.5
	SRK 6x85	40	6	11	20	104.1	85	64.1	6	24	M16	M8	4
	SRK 8x50	40	8	14	20	69.1	50	42.5	6	31	M16	M10	5
	SRK 8x85	40	8	14	23	104.1	85	63.9	6	31	M16	M10	5
	SRK 10x50	40	10	16	22	69.1	50	42.4	6	36	M16	M12	6
	SRK 10x85	40	10	16	24.5	104.1	85	60.3	6	36	M16	M12	6
	SRK 12x50	40	12	20	26	69.1	50	42.3	10	42	M16	M10	5
	SRK 12x85	40	12	20	28	104.1	85	56.6	10	42	M16	M10	5



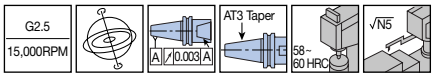
▸ Add B for coolant through the flange

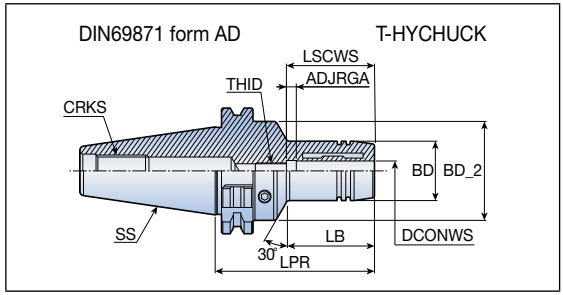
TaeguTec

DIN69871-THCG

General hydraulic chucks







Designation	Dimension (mm)										
	SS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	CRKS	Hex key
DIN69871 40 THCG 6-80.5	40	6	26	50	80.5	44	10	37.5	M5X0.8	M16	4.0
THCG 8-80.5	40	8	28	50	80.5	44	10	37.5	M6X1.0	M16	4.0
THCG 10-80.5	40	10	30	50	80.5	44	10	42.5	M8X1.0	M16	4.0
THCG 12-80.5	40	12	32	50	80.5	44	10	47.5	M10X1.0	M16	4.0
THCG 16-80.5	40	16	38	50	80.5	48	10	52.5	M12X1.0	M16	4.0
THCG 20-80.5	40	20	42	50	80.5	48	10	52.5	M16X1.0	M16	5.0
THCG 25-80.5	40	25	55	66	80.5	26	10	61.0	M16X1.0	M16	5.0
THCG 32-80.5	40	32	62	80	80.5	26	10	65.0	M16X1.0	M16	5.0

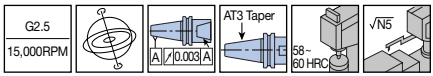
G162-G163 G177-G179 G197-G198

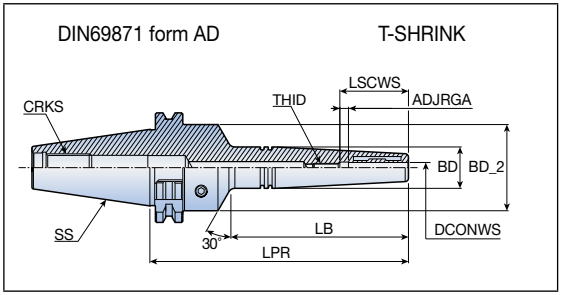
- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

DIN69871-THCS

Slim hydraulic chucks







Designation		Dimension (mm)										
		SS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	CRKS	Hex key
DIN69871 40	**THCS 6-150**	40	6	24	50	150	103	10	37.5	M5X0.8	M16	4.0
	THCS 10-150	40	10	28	50	150	104	10	42.5	M8X1.0	M16	4.0
	THCS 12-150	40	12	30	50	150	105	10	47.5	M10X1.0	M16	4.0

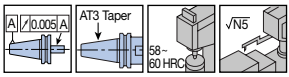
G162-G163 G177-G179 G197-G198

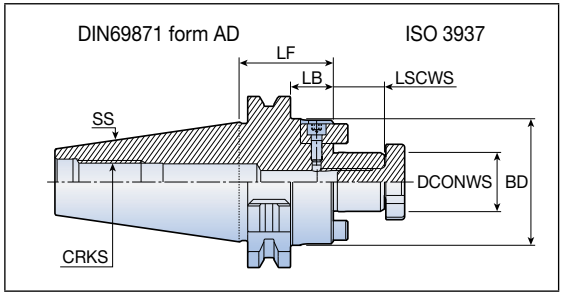
- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

DIN69871-SEM

Face mill arbors







Designation	Dimension (mm)						
	SS	DCONWS	BD	LF	LB	LSCWS	CRKS
DIN69871 30 SEM 22x50	30	22	47	50	30.9	19	M12
SEM 27x50	30	27	58	50	30.9	21	M12
DIN69871 40 SEM 16x35	40	16	38	35	15.9	17	M16
SEM 22x35	40	22	47	35	15.9	19	M16
SEM 27x60	40	27	58	60	40.9	21	M16
SEM 32x60	40	32	66	60	40.9	24	M16
SEM 40x60	40	40	82	60	40.9	27	M16
DIN69871 50 SEM 16x35	50	16	38	35	15.9	17	M24
SEM 22x35	50	22	47	35	15.9	19	M24
SEM 22x50x200	50	22	50	200	180.9	19	M24
SEM 27x35	50	27	58	35	15.9	21	M24
SEM 32x35	50	32	66	35	15.9	24	M24
SEM 32x78x370	50	40	78	370	350.9	24	M24
SEM 40x50	50	40	82	50	30.9	27	M24
SEM 50x60	50	50	95	60	40.9	30	M24





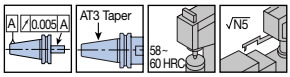


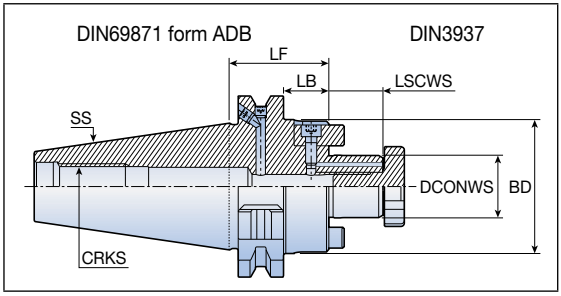
▸ Wrench not included

DIN69871-SEM-C

Face mill arbors with coolant hole







Designation	Dimension (mm)						
	SS	DCONWS	BD	LF	LB	LSCWS	CRKS
DIN69871 40 SEM 16x35C	40	16	38	35	15.9	17	M16
SEM 16x100C	40	16	38	100	80.9	17	M16
SEM 22x35C	40	22	47	35	15.9	19	M16
SEM 22x100C	40	22	47	100	80.9	19	M16
SEM 27x60C	40	27	58	60	40.9	21	M16
SEM 27x100C	40	27	58	100	80.9	21	M16
SEM 32x60C	40	32	66	60	40.9	24	M16
DIN69871 50 SEM 16x35C	50	16	38	35	15.9	17	M24
SEM 16x100C	50	16	38	100	80.9	17	M24
SEM 22x35C	50	22	47	35	15.9	19	M24
SEM 22x100C	50	22	47	100	80.9	19	M24
SEM 27x35C	50	27	58	35	15.9	21	M24
SEM 27x100C	50	27	58	100	80.9	21	M24
SEM 32x35C	50	32	66	35	15.9	24	M24
SEM 32x100C	50	32	66	100	80.9	24	M24
DIN69871 50 SEM 22x48x200C	50	22	48	200	181.0	19	M24
SEM 22x61x300C	50	22	61	300	281.0	19	M24
SEM 27x61x300C	50	27	61	300	281.0	21	M24
SEM 32x78x370C	50	32	78	370	351.0	24	M24





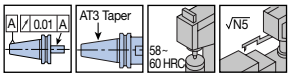


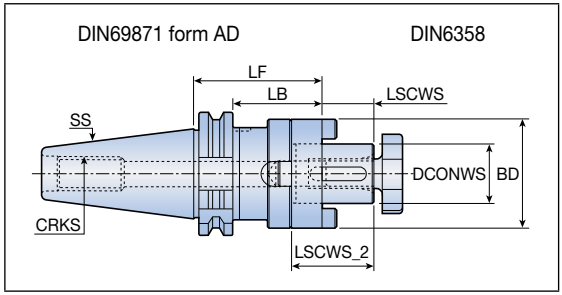
- If the “B type” option is required, the plug screw must be removed from the flange cooling hole (Use a 2mm hex key)
- Wrench not included

DIN69871-SEMC

Combi shell end mill arbors







Designation	Dimension (mm)							
	SS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2	CRKS
DIN69871 30 SEMC 16x50	30	16	32	50	30.9	17	27	M12
DIN69871 40 SEMC 16x55	40	16	32	55	35.9	17	27	M16
SEMC 16x100	40	16	32	100	80.9	17	27	M16
SEMC 22x55	40	22	40	55	35.9	19	31	M16
SEMC 22x100	40	22	40	100	80.9	19	31	M16
SEMC 27x55	40	27	48	55	35.9	21	33	M16
SEMC 27x100	40	27	48	100	80.9	21	33	M16
SEMC 32x60	40	32	58	60	45.9	24	38	M16
SEMC 32x100	40	32	58	100	80.9	24	38	M16
SEMC 40x60	40	40	70	60	40.9	27	41	M16
DIN69871 50 SEMC 16x55	50	16	32	55	35.9	17	27	M24
SEMC 16x100	50	16	32	100	80.9	17	27	M24
SEMC 22x55	50	22	40	55	35.9	19	31	M24
SEMC 22x100	50	22	40	100	80.9	19	31	M24
SEMC 27x55	50	27	48	55	35.9	21	33	M24
SEMC 27x100	50	27	48	100	80.9	21	33	M24
SEMC 32x55	50	32	58	55	35.9	24	38	M24
SEMC 32x100	50	32	58	100	80.9	24	38	M24
SEMC 40x55	50	40	70	55	35.9	27	41	M24
SEMC 40x100	50	40	70	10	80.9	27	41	M24
SEMC 50x70	50	50	90	70	50.9	30	46	M24







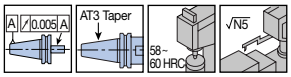


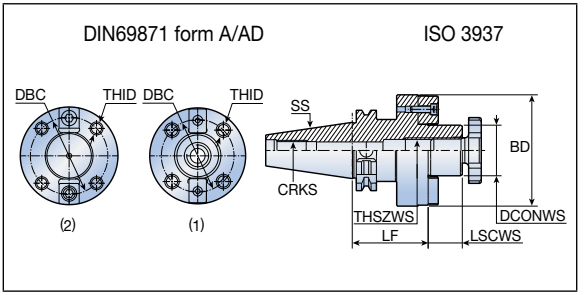
▸ Wrench not included

DIN69871-FM

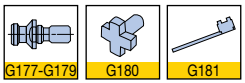
Face mill arbors







Designation		Dimension (mm)								
		SS	DCONWS	BD	DBC	LF	LSCWS	CRKS	THID	THSZWS
DIN69871 40	**FM 40**[1]	40	40	88	66.7	60	27	M16	M12	M20
DIN69871 50	**FM 40**[1]	50	40	88	66.7	70	27	M24	M12	M20
	FM 60[2]	50	60	128	101.6	70	40	M24	M16	-

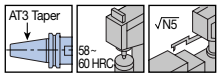


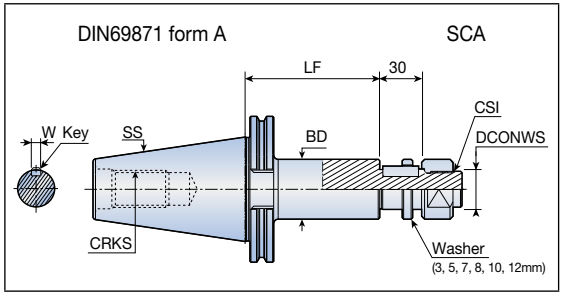
- 4 pcs of mounting screws are included
- [1] Form AD
- [2] Form A

DIN69871-SCA

Slotting cutter arbors







Designation		Dimension (mm)						
		SS	DCONWS	BD	LF	W	CRKS	CSI
DIN69871 40	**SCA-22-75**	40	22	34	75	6	M16	M20x1.5
	SCA-22-120	40	22	34	120	6	M16	M20x1.5
	SCA-27-75	40	27	40	75	7	M16	M24x2.0
	SCA-27-120	40	27	40	120	7	M16	M24x2.0
	SCA-32-90	40	32	46	90	8	M16	M32x2.0
DIN69871 50	**SCA-22-135**	50	22	34	135	6	M24	M20x1.5
	SCA-27-90	50	27	40	90	7	M24	M24x2.0
	SCA-27-135	50	27	40	135	7	M24	M24x2.0
	SCA-32-90	50	32	46	90	8	M24	M36x3.0
	SCA-32-135	50	32	46	135	8	M24	M36x3.0
	SCA-40-90	50	40	55	90	10	M24	M36x3.0
	SCA-40-135	50	40	55	135	10	M24	M36x3.0
	SCA-50-90	50	50	68	90	12	M24	M42x3.0



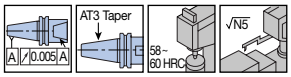
G177-G179

▸ Washers & key are included (Each 3, 5, 7, 8, 10, 12mm)

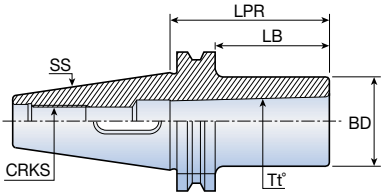
DIN69871-MT

Morse taper adapters





DIN69871 form A DIN6383



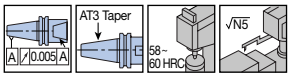
Designation	Dimension (mm)					
	SS	Tt°	BD	LPR	LB	CRKS
DIN69871 40 MT 1x50	40	MT1	25	50	30.9	M16
MT 2x50	40	MT2	32	50	30.9	M16
MT 3x70	40	MT3	40	70	50.9	M16
MT 4x95	40	MT4	48	95	75.9	M16
DIN69871 50 MT 1x45	50	MT1	25	45	25.9	M24
MT 2x60	50	MT2	32	60	40.9	M24
MT 3x65	50	MT3	40	65	45.9	M24
MT 4x95	50	MT4	48	95	75.9	M24
MT 5x105	50	MT5	63	105	85.9	M24

G177-G179

DIN69871-MT-DRW

Morse taper draw bar adapters





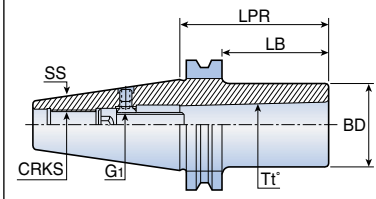


Fig.1 **Fig.2**

Designation	Dimension (mm)								Fig.
	SS	Tt°	BD	LPR	LB	LB_2	CRKS	G1	
DIN69871 40 MT1 DRW	40	MT1	25	50	30.9	-	M16	M6	1
MT2 DRW	40	MT2	32	50	30.9	-	M16	M10	1
MT3 DRW	40	MT3	40	70	50.9	-	M16	M12	1
MT4 DRW(1)	40	MT4	63	110	90.9	15	M16	M16	2
DIN69871 50 MT1 DRW	50	MT1	25	45	25.9	-	M24	M6	1
MT2 DRW	50	MT2	32	60	40.9	-	M24	M10	1
MT3 DRW	50	MT3	40	65	45.9	-	M24	M12	1
MT4 DRW(1)	50	MT4	63	85	65.9	15	M24	M16	2
MT5 DRW(1)	50	MT5	78	118	98.9	18	M24	M20	2

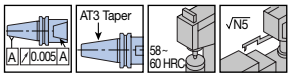
▸ (1) DIN2201

G177-G179

DIN69871-AD

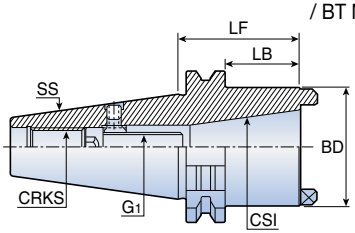
Adapters





DIN69871 form A

DIN2080 / DIN69871/A / BT MAS-403



Designation	Dimension (mm)						
	SS	CSI	BD	LF	LB	CRKS	G1
DIN69871 50 AD BT/SK 40	50	BT/SK 40	66	70	50.9	M24	M16

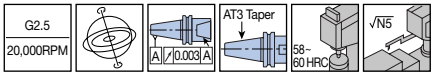


G177-G179

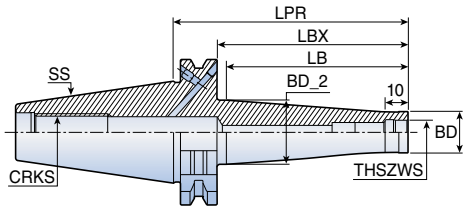
DIN69871-ODP

T-FLEXTEC holders





DIN69871 form ADB T-FLEXTEC



Designation	Dimension (mm)							
	SS	THSZWS	BD	BD_2	LPR	LBX	LB	CRKS
DIN69871 40 ODP 6x58	40	M06	9.8	13.0	58	38.9	32	M16
ODP 6x98	40	M06	9.8	23.0	98	78.9	74	M16
ODP 8x58	40	M08	13.1	15.0	58	38.9	32	M16
ODP 8x98	40	M08	13.1	23.0	98	78.9	74	M16
ODP 10x58	40	M10	18.0	20.0	58	38.9	32	M16
ODP 10x98	40	M10	18.0	28.0	98	78.9	74	M16
ODP 12x58	40	M12	21.0	24.0	58	38.9	32	M16
ODP 12x98	40	M12	21.0	31.0	98	78.9	74	M16
ODP 16x58	40	M16	29.0	28.6	58	38.9	32	M16
ODP 16x98	40	M16	29.0	34.0	98	78.9	74	M16
DIN69871 50 ODP 12x78(1)	50	M12	23.0	30.0	78	58.9	50	M24
ODP 12x128(1)	50	M12	23.0	40.0	128	108.9	100	M24
ODP 12x178(1)	50	M12	23.0	40.0	178	158.9	150	M24
ODP 12x228(1)	50	M12	23.0	46.0	228	208.9	200	M24
ODP 16x78(1)	50	M16	29.0	34.0	78	58.9	50	M24
ODP 16x128(1)	50	M16	29.0	40.0	128	108.9	100	M24
ODP 16x178(1)	50	M16	29.0	55.0	178	158.9	150	M24
ODP 16x228(1)	50	M16	29.0	55.0	228	208.9	200	M24



G177-G179

- If the “B type” option is required, the plug screw must be removed from the flange cooling hole (Use a 2mm hex key)
- (1) Balance to G6.3 at 12,000RPM

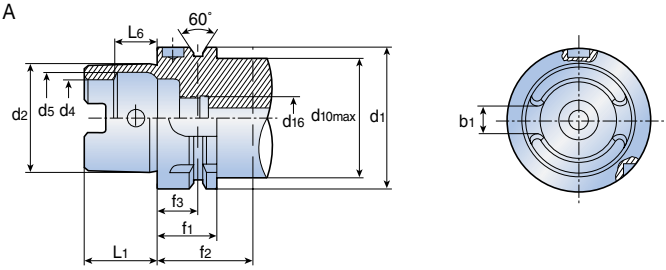
HSK



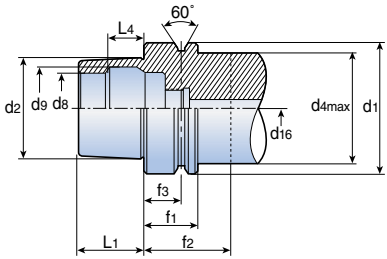
DIN69893 Form A/E/F

Standard toolholder

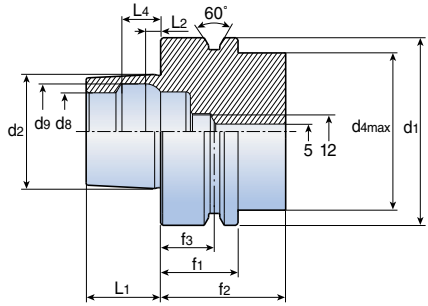
DIN69893 form A



DIN69893 form E



DIN69893 form F



DIN69893 form A

HSK-A	d1 h10	d2	d4 H10	d5 H11	d10max	d16	L1 -0.2	L6 JS10	b1 ±0.04	f1 -0.1	f2min	f3 ±0.1
40	40	30	21	25.5	34	M12x1	20	11.42	8.05	20	35	16
50	50	38	26	32.0	42	M16x1	25	14.13	10.54	26	42	18
63	63	48	34	40.0	53	M18x1	32	18.13	12.54(12.42)	26	42	18
80	80	60	42	50.0	67	M20x1.5	40	22.85	16.04	26	42	18
100	100	75	53	63.0	85	M24x1.5	50	28.56	20.02 (19.9)	29	45	20

DIN69893 form E

HSK-E	d1 h10	d2	d4max	d8 H10	d9 H11	d16	L1 -0.2	L4 JS10	f1 -0.1	f2min	f3 ±0.1
32	32	24	26	17	19.0	M10x1	16	8.92	20	35	16
40	40	30	34	21	25.5	M12x1	20	11.42	20	35	16
50	50	38	42	26	32.0	M16x1	25	14.13	26	42	18
63	63	48	53	34	40.0	M18x1	32	18.13	26	42	18

DIN69893 form F

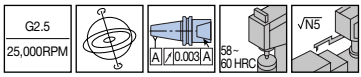
HSK-F	d1 h10	d2	d4max	d8 H10	d9 H11	L1 -0.2	L2	L4 JS10	f1 -0.1	f2min	f3 ±0.1
63	63	38	53	26	32	25	5.0	14.13	26	42	18

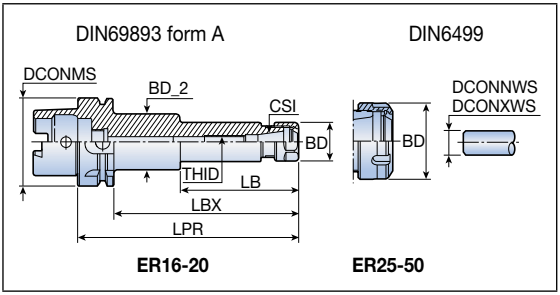
- Without crosshole
- For non-stock items: Supply condition is subject to availability
  If not available in stock then MOQ (Minimum order qty) will be applicable

HSK A-ER

ER collet chucks







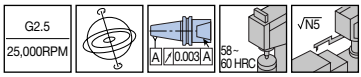
Designation		Dimension (mm)									
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK A 40	**ER 16x60**	40	ER16	0.5	10.0	28	-	60	40	-	-
	ER 16x80	40	ER16	0.5	10.0	28	-	80	60	-	M10
	ER 25x60	40	ER25	1.0	16.0	42	32.4	60	40	28.0	-
	ER 25x80	40	ER25	1.0	16.0	42	32.4	80	60	28.0	M18x1.5
	ER 25x100	40	ER25	1.0	16.0	42	32.4	100	80	28.0	M16
	ER 32x100	40	ER32	2.0	20.0	50	40.4	100	80	31.0	M22x1.5
HSK A 50	**ER 16x100**	50	ER16	0.5	10.0	28	-	100	74	-	M10
	ER 25x80	50	ER25	1.0	16.0	42	32.4	80	54	28.0	M8
	ER 25x100	50	ER25	1.0	16.0	42	41.8	100	74	28.5	M16
	ER 32x100	50	ER32	2.0	20.0	50	40.4	100	74	31.0	M22x1.5
HSK A 63	**ER 16x100**	63	ER16	0.5	10.0	28	-	100	74	-	M10
	ER 16x120	63	ER16	0.5	10.0	28	-	120	94	-	M10
	ER 16x160	63	ER16	0.5	10.0	28	40.0	160	134	85.6	M10
	ER 16X180	63	ER16	0.5	10.0	28	44.2	180	154	84.0	-
	ER 20x100	63	ER20	1.0	13.0	34	-	100	74	-	M12
	ER 20x120	63	ER20	1.0	13.0	34	-	120	94	-	M12
	ER 20x160	63	ER20	1.0	13.0	34	45.0	160	134	85.0	M12
	ER 25x80	63	ER25	1.0	16.0	42	-	80	54	-	M8
	ER 25x100	63	ER25	1.0	16.0	42	-	100	74	-	M16
	ER 25x120	63	ER25	1.0	16.0	42	-	120	94	-	M16
	ER 25x160	63	ER25	1.0	16.0	42	-	160	134	-	M16
	ER 32x80	63	ER32	2.0	20.0	50	40.4	80	54	31.0	-
	ER 32x100	63	ER32	2.0	20.0	50	-	100	74	-	M22x1.5
	ER 32x120	63	ER32	2.0	20.0	50	-	120	94	-	M22x1.5
	ER 32x160	63	ER32	2.0	20.0	50	-	160	134	-	M22x1.5
	ER 40x80	63	ER40	3.0	26.0	63	50.4	80	54	34.0	-
	ER 40x100	63	ER40	3.0	26.0	63	50.4	100	74	34.0	M28x1.5
	ER 40x120	63	ER40	3.0	26.0	63	50.4	120	94	34.0	M28x1.5

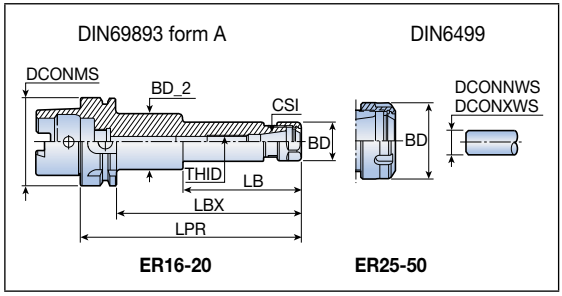
G151-G159 G176-G177 G180 G182 G182 G183

HSK A-ER

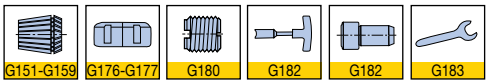
ER collet chucks







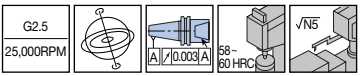
Designation		Dimension (mm)									
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK A 100	**ER 16x100**	100	ER16	0.5	10.0	28	-	100	71	-	M10
	ER 16x160	100	ER16	0.5	10.0	28	40	160	131	85	M10
	ER 20x100	100	ER20	1.0	13.0	34	-	100	71	-	M12
	ER 20x160	100	ER20	1.0	13.0	34	50	160	131	85	M12
	ER 25x100	100	ER25	1.0	16.0	42	-	100	71	-	M16
	ER 25x120	100	ER25	1.0	16.0	42	-	120	91	-	M16
	ER 25x160	100	ER25	1.0	16.0	42	-	160	134	-	M16
	ER 32x100	100	ER32	2.0	20.0	50	-	100	71	-	M22x1.5
	ER 32x120	100	ER32	2.0	20.0	50	-	120	91	-	M22x1.5
	ER 32x160	100	ER32	2.0	20.0	50	-	160	131	-	M22x1.5
	ER 40x100	100	ER40	3.0	26.0	63	-	100	71	-	M28x1.5
	ER 40x120	100	ER40	3.0	26.0	63	-	120	91	-	M28x1.5
	ER 40x160	100	ER40	3.0	26.0	63	-	160	131	-	M28x1.5
	ER 50x100	100	ER50	10.0	34.0	78	-	100	71	-	M22x1.5

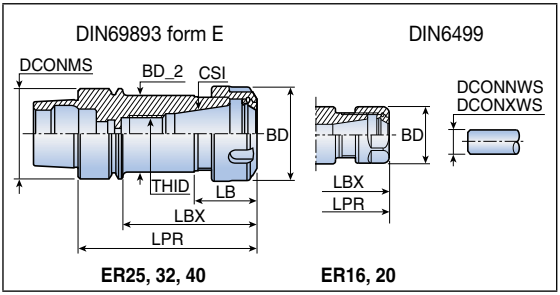


HSK E-ER

ER collet chucks







Designation		Dimension (mm)									
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK E 32	**ER 16x60**	32	ER16	0.5	10.0	28	22.4	60	40	21.5	-
	ER 20x60	32	ER20	1.0	13.0	34	25.4	60	40	26.0	-
	ER 25x65	32	ER25	1.0	16.0	42	25.8	65	45	30.0	-
HSK E 40	**ER 16x60**	40	ER16	0.5	10.0	28	-	60	40	-	-
	ER 16x80	40	ER16	0.5	10.0	28	-	80	60	-	M10
	ER 20x80	40	ER20	1.0	13.0	34	-	80	60	-	M12
	ER 25x80	40	ER25	1.0	16.0	42	34.0	80	60	28.0	M18x1.5
	ER 32x80	40	ER32	2.0	20.0	50	40.1	-	60	31.0	M22x1.5
HSK E 50	**ER 16x80**	50	ER16	0.5	10.0	28	-	80	54	-	M10
	ER 16x100	50	ER16	0.5	10.0	28	-	100	74	-	M10
	ER 16x100 M(1)	50	ER16	0.5	10.0	22	-	100	74	-	M10
	ER 20x80	50	ER20	1.0	13.0	34	-	80	54	-	M12
	ER 25x80	50	ER25	1.0	16.0	42	32.4	80	54	28.0	M16
	ER 32x80	50	ER32	2.0	20.0	50	40.4	80	54	31.0	-
	ER 32x100	50	ER32	2.0	20.0	50	40.4	100	74	31.0	M22x1.5
HSK E 63	**ER 16x80**	63	ER16	0.5	10.0	28	-	80	54	-	M10
	ER 16x100	63	ER16	0.5	10.0	28	-	100	74	-	M10
	ER 20x75	63	ER20	1.0	13.0	34	-	75	49	-	-
	ER 32x100	63	ER32	2.0	20.0	50	-	100	75	-	M22x1.5

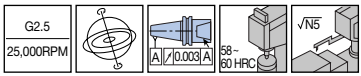


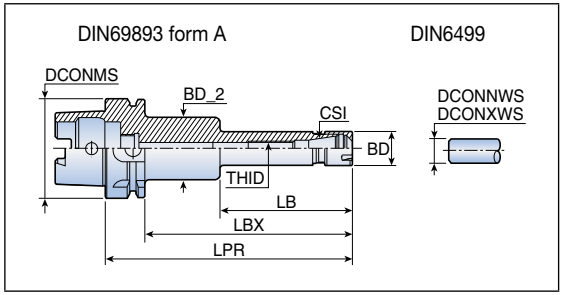
▸ (1) Equipped with nut ER16 MINI

HSK A-ER-M

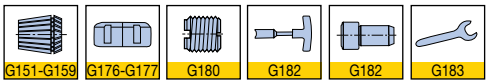
ER mini collet chucks







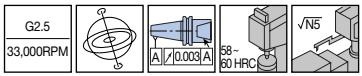
Designation		Dimension (mm)									
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK A 63	**ER 16x100 M**	63	ER16	0.5	10.0	22	-	100	74	-	M10
	ER 16x120 M	63	ER16	0.5	10.0	22	40	120	94	78	M10
	ER 16x160 M	63	ER16	0.5	10.0	22	40	160	134	85	M10
	ER 20x100 M	63	ER20	1.0	13.0	28	-	100	74	-	M12
	ER 20x120 M	63	ER20	1.0	13.0	28	-	120	94	-	M12
	ER 20x160 M	63	ER20	1.0	13.0	28	45	160	134	85	M12
HSK A 100	**ER 16x100 M**	100	ER16	0.5	10.0	22	-	100	71	-	M10
	ER 16x160 M	100	ER16	0.5	10.0	22	40	160	131	85	M10
	ER 20x100 M	100	ER20	1.0	13.0	28	-	100	71	-	M12
	ER 20x160 M	100	ER20	1.0	13.0	28	45	160	131	85	M12

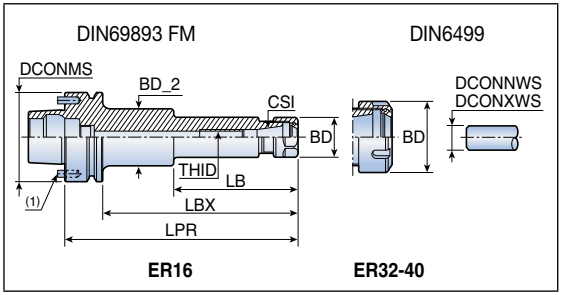


HSK FM-ER

ER collet chucks







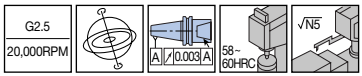
Designation		Dimension (mm)									
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK FM 63	**ER 16x80**	63	ER16	0.5	10.0	28	-	80	54	-	M10
	ER 16x100	63	ER16	0.5	10.0	28	-	100	74	-	M10
	ER 16x120	63	ER16	0.5	10.0	28	-	120	94	-	M10
	ER 16x160	63	ER16	0.5	10.0	28	40	160	134	85.6	M10
	ER 32x80	63	ER32	2.0	20.0	50	-	80	54	-	-
	ER 32x100	63	ER32	2.0	20.0	50	-	100	74	-	M22x1.5
	ER 40x80	63	ER40	3.0	26.0	63	50	80	54	32.0	-
	ER 40x100	63	ER40	3.0	26.0	63	50	100	74	32.0	M28x1.5

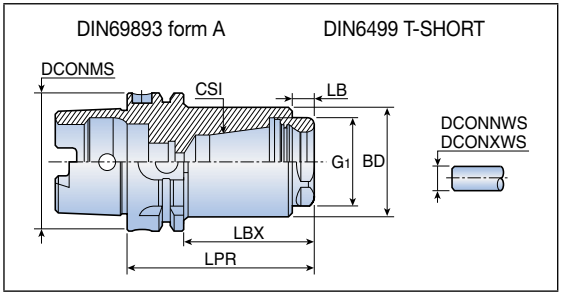
▸ (1) The driving pins can be removed to turn the toolholder into a standard HSK F 63 type

HSK A-ER-SHORT

Short ER collet chucks







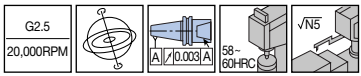
Designation		Dimension (mm)								
		DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR	LBX	LB	G1
HSK A 63	**ER 32 SHORT**	63	ER32	2.0	20.0	50	81.0	55.0	9.5	M40x1.5
HSK A 100	**ER 32 SHORT**	100	ER32	2.0	20.0	50	89.5	60.5	9.5	M40x1.5
	ER 40 SHORT	100	ER40	3.0	26.0	70	104.5	75.5	9.5	M50x1.5

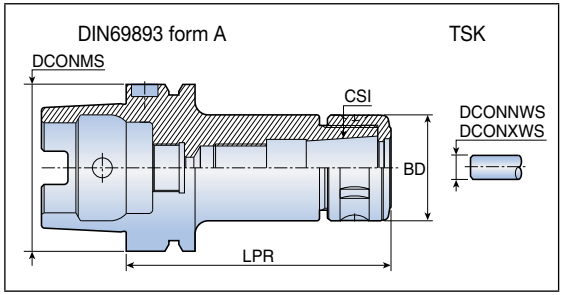


HSK A-TSK

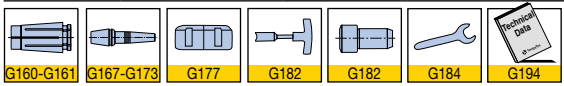
TSK collet chucks







Designation		Dimension (mm)					
		DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR
HSK A 50	**TSK 6-80**	50	TSK6	1.5	6.0	19.5	80
	TSK 10-90	50	TSK10	1.5	10.0	27.5	90
	TSK 16-100	50	TSK16	2.5	16.0	40.0	100
HSK A 63	**TSK 6-80**	63	TSK6	1.5	6.0	19.5	80
	TSK 10-90	63	TSK10	1.5	10.0	27.5	90
	TSK 16-100	63	TSK16	2.5	16.0	40.0	100
	TSK 25-120	63	TSK25	7.5	25.0	55.0	120
HSK A 100	**TSK 6-80**	100	TSK6	1.5	6.0	19.5	80
	TSK 10-90	100	TSK10	1.5	10.0	27.5	90
	TSK 16-100	100	TSK16	2.5	16.0	40.0	100
	TSK 25-120	100	TSK25	7.5	25.0	55.0	120

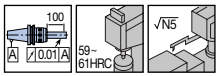


G160-G161 G167-G173 G177 G182 G182 G184 G194

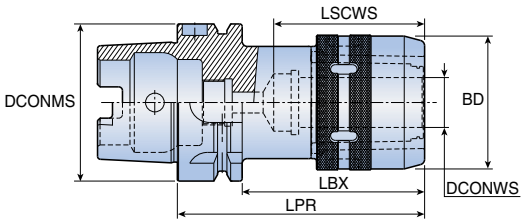
HSK A-NTMC

Milling chucks





DIN69893 form A Milling chuck



Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LPR	LBX	LSCWS
HSK A 63	**NTMC 20-105**	63	20	53	105	79	76
	NTMC 25-105	63	25	62	105	79	77
	NTMC 32-130	63	32	72	130	104	100
HSK A 100	**NTMC 20-105**	100	20	53	105	76	77
	NTMC 25-135	100	25	62	135	106	80
	NTMC 32-135	100	32	74	135	106	102
	NTMC 42-135	100	42	94	135	106	112


G164-G166


G182


G182


G183

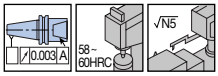


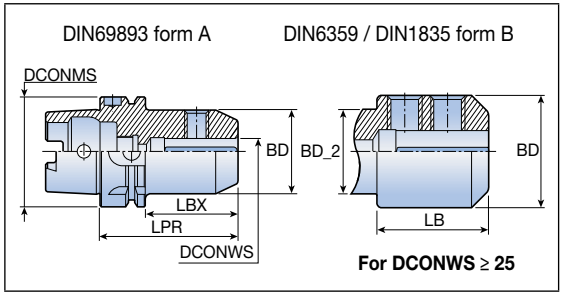
G196

HSK A-EM-CX

CX coolant type end mill holders







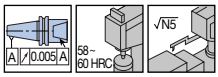
Designation		Dimension (mm)						
		DCONMS	DCONWS	BD	BD_2	LPR	LBX	LB
HSK A 63	**EM 6x100 CX**	63	6	25	-	100	74	-
	EM 6x65 CX	63	6	25	-	65	39	-
	EM 8x65 CX	63	8	28	-	65	39	-
	EM 10x65 CX	63	10	35	-	65	39	-
	EM 12x80 CX	63	12	42	-	80	54	-
	EM 16x100 CX	63	16	48	-	100	74	-
	EM 16x80 CX	63	16	48	-	80	54	-
	EM 20x80 CX	63	20	52	-	80	54	-
	EM 25x110 CX	63	25	65	52.5	110	84	68

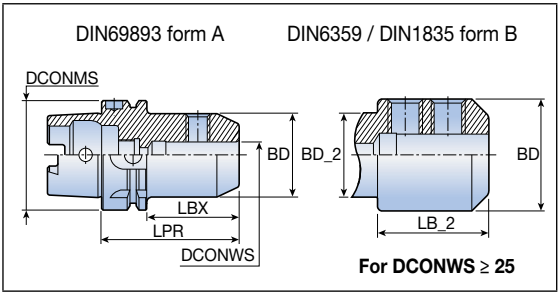


HSK A-EM

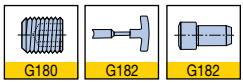
End mill holders







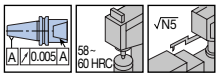
Designation		Dimension (mm)						
		DCONMS	DCONWS	BD	BD_2	LPR	LBX	LB_2
HSK A 50	**EM 8x65**	50	8	28	-	65	39	-
	EM 16x80	50	16	48	-	80	54	-
	EM 20x80	50	20	52	-	80	54	-
HSK A 63	**EM 6x65**	63	6	25	-	65	39	-
	EM 8x65	63	8	28	-	65	39	-
	EM 10x65	63	10	35	-	65	39	-
	EM 12x80	63	12	42	-	80	54	-
	EM 14x80	63	14	44	-	80	54	-
	EM 16x80	63	16	48	-	80	54	-
	EM 18x80	63	18	50	-	80	54	-
	EM 20x80	63	20	52	-	80	54	-
	EM 25x110	63	25	65	52	110	84	65.5
	EM 32x110	63	32	72	52	110	84	65.5
HSK A 100	**EM 8x80**	100	8	28	-	80	51	-
	EM 10x80	100	10	35	-	80	51	-
	EM 12x80	100	12	42	-	80	51	-
	EM 14x80	100	14	44	-	80	51	-
	EM 16x100	100	16	48	-	100	71	-
	EM 20x100	100	20	52	-	100	71	-
	EM 25x100	100	25	65	-	100	71	-
	EM 32x100	100	32	72	-	100	71	-
	EM 40x110	100	40	85	-	110	81	-

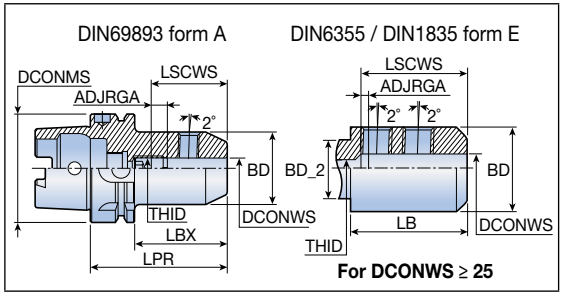


HSK A-EM-E

End mill holders - Whistle notch







Designation		Dimension (mm)									
		DCONMS	DCONWS	BD	BD_2	LPR	LBX	LB	ADJRGA	LSCWS	THID
HSK A 63	**EM 6x80 E**	63	6	25	-	80	54	-	8	40	M5
	EM 8x80 E	63	8	28	-	80	54	-	5	40	M6
	EM 12x90 E	63	12	42	-	90	64	-	5	49	M10
	EM 16x100 E	63	16	48	-	100	74	-	5	52	M12
	EM 18x100 E	63	18	50	-	100	74	-	8	55	M12
	EM 20x100 E	63	20	52	-	100	74	-	5	54	M16
	EM 25x110 E	63	25	65	52	110	84	65.5	7	61	M16
	EM 32x110 E	63	32	72	52	110	84	65.5	5	63	M20x1.5
HSK A 100	**EM 8x90 E**	100	8	28	-	90	61	-	5	40	M6
	EM 12x100 E	100	12	42	-	100	71	-	10	54	M10
	EM 16x100 E	100	16	48	-	100	71	-	5	52	M12
	EM 18x100 E	100	18	50	-	100	71	-	5	52	M12
	EM 20x110 E	100	20	52	-	110	81	-	5	54	M16
	EM 25x120 E	100	25	65	-	120	91	-	7	61	M20x1.5
	EM 32x120 E	100	32	72	-	120	91	-	5	63	M20x1.5

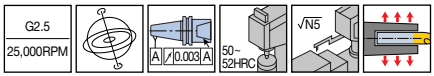
G180 G182 G182

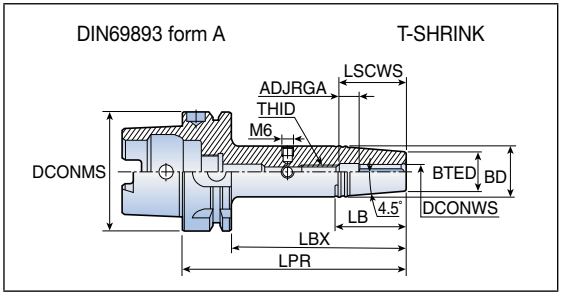
HSK A-SRKIN-CX

T-SHRINK

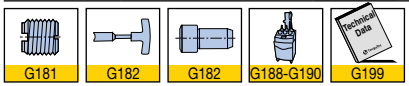
CX coolant type thermal shrinking chucks







Designation		Dimension (mm)										
		DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	LB_2	ADJRGA	LSCWS	THID
HSK A 63	**SRKIN 6x80 CX**	63	6	21	27	80	54	38.1	49	9	34	M5
	SRKIN 6x120 CX	63	6	21	27	120	94	38.1	89	9	34	M5
	SRKIN 8x80 CX	63	8	21	27	80	54	38.1	49	10	34	M6
	SRKIN 8x120 CX	63	8	21	27	120	94	38.1	89	10	34	M6
	SRKIN 10x85 CX	63	10	24	32	85	59	50.8	57.5	9	40	M8
	SRKIN 10x120 CX	63	10	24	32	120	94	50.8	89	9	40	M8
	SRKIN 12x90 CX	63	12	24	32	90	64	50.8	59	9	45	M10
	SRKIN 12x120 CX	63	12	24	32	120	94	50.8	89	9	45	M10
	SRKIN 14x90 CX	63	14	27	34	90	64	44.5	59	9	45	M10
	SRKIN 16x75 CX	63	16	27	34	75	49	44.5	47	7	46	M5
	SRKIN 16x95 CX	63	16	27	34	95	69	44.5	64	9	48	M12
	SRKIN 16x120 CX	63	16	27	34	120	94	44.5	89	9	48	M12
	SRKIN 18x95 CX	63	18	33	42	95	69	57.2	66	9	48	M12
	SRKIN 20x75 CX	63	20	33	41	75	49	-	47	5	46	M5
	SRKIN 20x100 CX	63	20	33	42	100	74	57.2	69	9	49	M16
	SRKIN 20x120 CX	63	20	33	42	120	94	57.2	89	9	49	M16
	SRKIN 25x85 CX	63	25	44	52.2	85	59	52.1	58.2	9	56	M5
	SRKIN 32x85 CX	63	32	44	52.2	85	59	52.1	58.2	6	56	M5
HSK A 100	**SRKIN 6x85 CX(1)**	100	6	21	27	85	56	38.1	48	10	34	M5
	SRKIN 8x85 CX(1)	100	8	21	27	85	56	38.1	48	10	34	M6
	SRKIN 10x90 CX(1)	100	10	24	32	90	61	50.8	53.9	9	40	M8
	SRKIN 12x95 CX(1)	100	12	24	32	95	66	50.8	59	9	45	M10
	SRKIN 14x95 CX(1)	100	14	27	34	95	66	44.5	58	9	45	M10
	SRKIN 16x100 CX(1)	100	16	27	34	100	71	44.5	63	9	48	M12
	SRKIN 18x100 CX(1)	100	18	33	42	100	71	57.2	67	9	48	M12
	SRKIN 20x105 CX(1)	100	20	33	42	105	76	57.2	69	9	49	M16
	SRKIN 25x115 CX(1)	100	25	44	53	115	86	57.2	81	9	56	M16
	SRKIN 32x120 CX(1)	100	32	44	53	120	91	57.2	89	9	59	M16



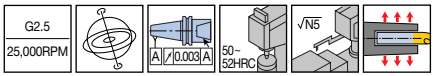
- Use only inductive heating device for T-SHRINK holders
- (1) Balance to G2.5 at 20,000RPM

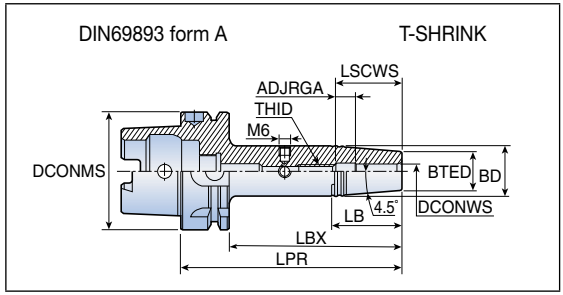
TaeguTec

HSK A-SRKIN

Thermal shrinking chucks







Designation	Dimension (mm)										
	DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Hex key
HSK A 50 SRKIN 6x80	50	6	21	27	80	54	38	11	36	M5	2.5
HSK A 63 SRKIN 6x80	63	6	21	27	80	54	38	11	36	M5	2.5
SRKIN 6x120	63	6	21	27	120	94	38	11	36	M5	2.5
SRKIN 6x160	63	6	21	27	160	134	38	11	36	M5	2.5
SRKIN 8x80	63	8	21	27	80	54	38	11	36	M6	3.0
SRKIN 8x120	63	8	21	27	120	94	38	11	36	M6	3.0
SRKIN 8x160	63	8	21	27	160	134	38	11	36	M6	3.0
SRKIN 10x85	63	10	24	32	85	54	51	11	42	M8	4.0
SRKIN 10x120	63	10	24	32	120	94	51	11	42	M8	4.0
SRKIN 10x160	63	10	24	32	160	134	51	11	42	M8	4.0
SRKIN 12x90	63	12	24	32	90	64	51	6	42	M8	4.0
SRKIN 12x120	63	12	24	32	120	94	51	11	47	M10	5.0
SRKIN 12x160	63	12	24	32	160	134	51	11	47	M10	5.0
SRKIN 14x90	63	14	27	34	90	64	45	11	47	M10	5.0
SRKIN 14x120	63	14	27	34	120	94	45	11	47	M10	5.0
SRKIN 14x160	63	14	27	34	160	134	45	11	47	M10	5.0
SRKIN 16x75	63	16	27	34	75	49	-	11	50	-	-
SRKIN 16x95	63	16	27	34	95	69	44	11	50	M12	6.0
SRKIN 16x120	63	16	27	34	120	94	44	11	50	M12	6.0
SRKIN 16x160	63	16	27	34	160	134	44	11	50	M12	6.0
SRKIN 18x95	63	18	33	42	95	69	57	11	50	M12	6.0
SRKIN 18x120	63	18	33	42	120	94	57	11	50	M12	6.0
SRKIN 18x160	63	18	33	42	160	134	57	11	50	M12	6.0
SRKIN 20x75	63	20	33	41	75	49	-	9	50	-	-
SRKIN 20x100	63	20	33	42	100	74	57	11	52	M16	8.0
SRKIN 20x120	63	20	33	42	120	94	57	11	52	M16	8.0
SRKIN 20x160	63	20	33	42	160	134	57	11	52	M16	8.0
SRKIN 25x85	63	25	44	53	85	59	-	11	58	-	-

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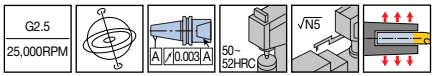
▸ Use only inductive heating device for T-SHRINK holders

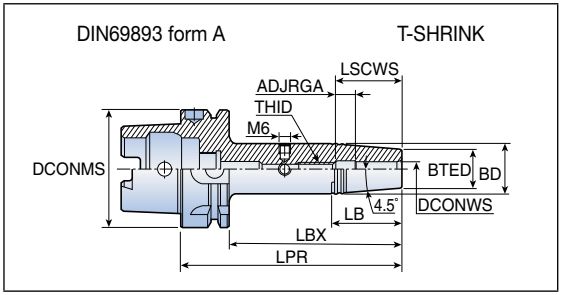
HSK A-SRKIN

T-SHRINK

Thermal shrinking chucks







Designation		Dimension (mm)										
		DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Hex key
HSK A 63	**SRKIN 25x115**	63	25	44	53	115	89	55	11	58	M16	8.0
	SRKIN 32x85	63	32	44	53	85	59	-	11	58	-	-
	SRKIN 32x120	63	32	44	53	120	94	55	11	58	M16	8.0
HSK A 100	**SRKIN 6x85**(1)	100	6	21	27	85	56	38	14.5	36.5	M5	2.5
	SRKIN 6x120(1)	100	6	21	27	120	91	38	11	36	M5	2.5
	SRKIN 6x160(1)	100	6	21	27	160	131	38	14.5	36.5	M5	3.0
	SRKIN 8x85(1)	100	8	21	27	85	56	38	10.5	36.5	M6	3.0
	SRKIN 8x120(1)	100	8	21	27	120	91	38	11	36	M6	3.0
	SRKIN 8x160(1)	100	8	21	27	160	131	38	11	36	M6	3.0
	SRKIN 10x90(1)	100	10	24	32	90	61	51	11	42	M8	4.0
	SRKIN 10x120(1)	100	10	24	32	120	91	51	11	42	M8	4.0
	SRKIN 10x160(1)	100	10	24	32	160	131	51	11	42	M8	4.0
	SRKIN 12x95(1)	100	12	24	32	95	66	51	11	47	M10	5.0
	SRKIN 12x120(1)	100	12	24	32	120	91	51	11.5	47.5	M10	5.0
	SRKIN 12x160(1)	100	12	24	32	160	131	51	11	47	M10	5.0
	SRKIN 14x95(1)	100	14	27	34	95	66	45	11	47	M10	5.0
	SRKIN 14x120(1)	100	14	27	34	120	91	45	11	47	M10	5.0
	SRKIN 14x160(1)	100	14	27	34	160	131	45	11	47	M10	5.0
	SRKIN 16x100(1)	100	16	27	34	100	71	45	11	50	M12	6.0
	SRKIN 16x120(1)	100	16	27	34	120	91	45	11	50	M12	6.0
	SRKIN 16x160(1)	100	16	27	34	160	131	45	11	50.5	M12	6.0
	SRKIN 18x100(1)	100	18	33	42	100	71	57	11	50.5	M12	6.0
	SRKIN 20x105(1)	100	20	33	42	105	76	57	11	52.5	M16	8.0
	SRKIN 20x160(1)	100	20	33	42	160	131	57	11	52	M16	8.0
	SRKIN 25x115(1)	100	25	44	53	115	86	57	11	58	M16	8.0
	SRKIN 32x120(1)	100	32	44	53	120	91	57	11	62	M16	8.0

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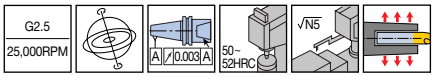
- Use only inductive heating device for T-SHRINK holders
- (1) Balance to G2.5 at 20,000RPM

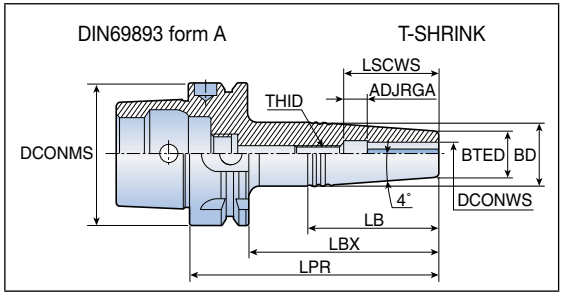
TaeguTec

HSK A-SRK-CX

CX coolant type thermal shrinking chucks







Designation		Dimension (mm)									
		DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID
HSK A 63	**SRK 3x50 CX**	63	3	10	17	76	50	-	-	-	-
	SRK 3x85 CX	63	3	10	21	111	85	78.7	-	-	-
	SRK 4x50 CX	63	4	10	17	76	50	-	-	-	-
	SRK 4x85 CX	63	4	10	21	111	85	78.7	-	-	-
	SRK 5x50 CX	63	5	10	17	76	50	-	-	-	-
	SRK 5x85 CX	63	5	10	21	111	85	78.7	-	-	-
	SRK 6x50 CX	63	6	11	18	76	50	-	9	27	M5
	SRK 6x85 CX	63	6	11	22	111	85	78.7	9	27	M5
	SRK 8x50 CX	63	8	14	20	76	50	42.9	10	35	M6
	SRK 8x85 CX	63	8	14	23	111	85	64.4	10	35	M6
	SRK 10x50 CX	63	10	16	23	76	50	-	10	40	M6
	SRK 10x85 CX	63	10	16	26	111	85	71.5	9	39	M8
	SRK 12x50 CX	63	12	20	27	76	50	-	10	42	M6
	SRK 12x85 CX	63	12	20	30	111	85	71.5	9	41	M10

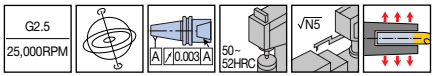
G182 G182 G188-G190 G199

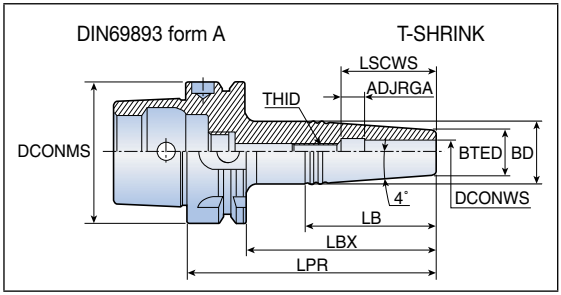
HSK A-SRK

T-SHRINK

Thermal shrinking chucks







Designation		Dimension (mm)										
		DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Hex key
HSK A 63	**SRK 3x50**	63	3	10	17	76	50	-	6	16	M6	3.0
	SRK 3x85	63	3	10	21	111	85	79	6	16	M6	3.0
	SRK 4x50	63	4	10	17	76	50	-	6	18	M6	3.0
	SRK 4x85	63	4	10	21	111	85	79	6	18	M6	3.0
	SRK 5x50	63	5	10	17	76	50	-	6	21	M6	3.0
	SRK 5x85	63	5	10	21	111	85	79	6	21	M6	3.0
	SRK 6x50	63	6	11	18	76	50	-	6	24	M8	4.0
	SRK 6x85	63	6	11	22	111	85	79	6	24	M8	4.0
	SRK 8x50	63	8	14	20	76	50	43	11	36	M6	3.0
	SRK 8x85	63	8	14	23	111	85	64	11	36	M6	3.0
	SRK 10x50	63	10	16	23	76	50	-	11	41	M8	4.0
	SRK 10x85	63	10	16	26	111	85	72	11	41	M8	4.0
	SRK 12x50	63	12	20	27	76	50	-	11	43	M8	4.0
	SRK 12x85	63	12	20	30	111	85	72	11	43	M8	4.0

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▸ Only use inductive heating device for T-SHRINK holders

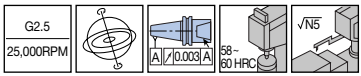
TaeguTec

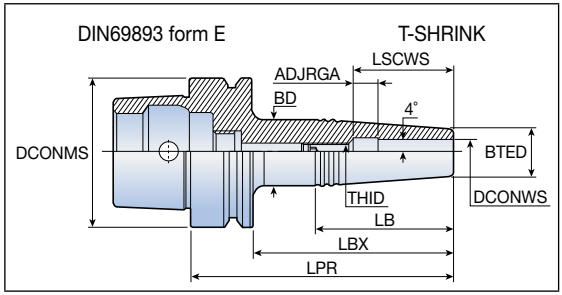
HSK E-SRK

T-SHRINK

Thermal shrinking chucks







Designation		Dimension (mm)										
		DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Hex key
HSK E 32	**SRK 3x45**	32	3	10	13	65	45	30.0	6	16	M4	2.0
	SRK 4x45	32	4	10	15	65	45	35.0	6	18	M4	2.0
	SRK 6x45	32	6	11	16	65	45	35.0	10	28	M4	2.0
	SRK 10x45	32	12	16	22	65	45	42.0	10	40	M4	2.0
HSK E 40	**SRK 3x45**	40	3	10	13	65	45	30.0	6	16	M5	2.5
	SRK 3x80	40	3	10	19	100	80	64.0	6	16	M5	2.5
	SRK 4x45	40	4	10	15	65	45	35.0	6	18	M5	2.5
	SRK 4x80	40	4	10	19	100	80	64.0	6	18	M5	2.5
	SRK 5x45	40	5	10	15	65	45	35.0	10	25	M4	2.0
	SRK 5x80	40	5	10	19	100	80	64.0	10	25	M4	2.0
	SRK 6x45	40	6	11	16	65	45	35.0	10	28	M5	2.5
	SRK 6x80	40	6	11	20	100	80	64.0	10	28	M5	2.5
	SRK 8x45	40	8	14	20	65	45	42.0	10	35	M5	2.5
	SRK 8x80	40	8	14	23	100	80	64.0	10	35	M6	3.0
	SRK 10x45	40	10	16	22	65	45	42.0	10	40	M5	2.5
	SRK 10x80	40	10	16	24	100	80	60.0	10	40	M8	4.0
	SRK 12x45	40	12	20	26	65	45	42.0	10	42	M5	2.5
	SRK 12x80	40	12	20	28	100	80	56.0	10	42	M10	5.0
HSK E 50	**SRK 3x45**	50	3	10	15	71	45	36.0	6	16	M5	2.5
	SRK 3x80	50	3	10	19	106	80	64.0	6	16	M5	2.5
	SRK 4x45	50	4	10	15	71	45	36.0	6	18	M5	2.5
	SRK 4x80	50	4	10	19	106	80	64.0	6	18	M5	2.5
	SRK 6x45	50	6	11	16	71	45	36.0	10	28	M5	2.5
	SRK 6x80	50	6	11	20	106	80	64.0	10	28	M5	2.5
	SRK 8x45	50	8	14	20	71	45	43.0	10	35	M6	3.0
	SRK 8x80	50	8	14	23	106	80	64.0	10	35	M6	3.0
	SRK 10x45	50	10	16	22	71	45	42.0	7	37	M6	3.0
	SRK 10x80	50	10	16	24	106	80	60.0	10	40	M8	4.0
	SRK 12x45	50	12	20	26	71	45	42.0	7	39	M6	3.0


G182


G182


G188-G190

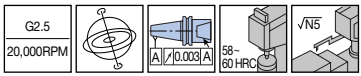


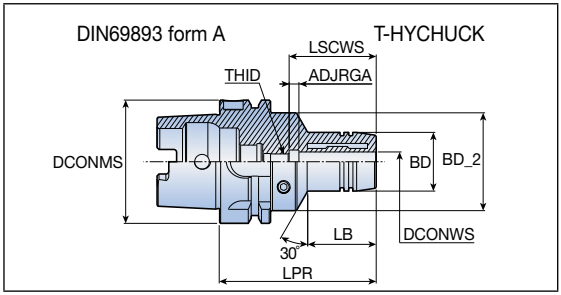
G199

HSK A-THCG

General hydraulic chucks







Designation		Dimension (mm)									
		DCONMS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	Hex key
HSK A 63	**THCG 6-70**	63	6	26	50	70	24	10	37.5	M5X0.8	4.0
	THCG 8-70	63	8	28	50	70	24	10	37.5	M6X1.0	4.0
	THCG 10-80	63	10	30	50	80	35	10	42.5	M8X1.0	4.0
	THCG 12-85	63	12	32	50	85	40	10	47.5	M8X1.0	4.0
	THCG 16-90	63	16	38	50	90	46	10	52.5	M8X1.0	4.0
	THCG 20-90	63	20	42	50	90	48	10	52.5	M8X1.0	5.0
	THCG 25-120	63	25	50	-	120	-	10	61.0	M16X1.0	5.0
	THCG 32-125	63	32	60	52.5	125	-	10	65.0	M16X1.0	5.0
HSK A 100	**THCG 6-160**	100	6	26	50	160	104	10	37.5	M5X0.8	4.0
	THCG 6-200	100	6	26	50	200	144	10	37.5	M5X0.8	4.0
	THCG 8-160	100	8	28	50	160	104	10	37.5	M6X1.0	4.0
	THCG 8-200	100	8	28	50	200	144	10	37.5	M6X1.0	4.0
	THCG 10-160	100	10	30	50	160	105	10	42.5	M8X1.0	4.0
	THCG 10-200	100	10	30	50	200	145	10	42.5	M8X1.0	4.0
	THCG 12-160	100	12	32	50	160	105	10	47.5	M10X1.0	4.0
	THCG 12-200	100	12	32	50	200	145	10	47.5	M10X1.0	4.0
	THCG 14-160	100	14	34	50	160	107	10	47.5	M10X1.0	4.0
	THCG 14-200	100	14	34	50	200	147	10	47.5	M10X1.0	4.0
	THCG 16-160	100	16	38	50	160	107	10	52.5	M12X1.0	4.0
	THCG 16-200	100	16	38	50	200	147	10	52.5	M12X1.0	4.0
	THCG 18-160	100	18	40	50	160	108	10	52.5	M12X1.0	4.0
	THCG 18-200	100	18	40	50	200	148	10	52.5	M12X1.0	4.0
	THCG 20-160	100	20	42	50	160	108	10	52.5	M16X1.0	5.0
	THCG 20-200	100	20	42	50	200	148	10	52.5	M16X1.0	5.0
	THCG 25-160	100	25	57	63	160	110	10	61.0	M16X1.0	5.0
	THCG 25-200	100	25	57	63	200	150	10	61.0	M16X1.0	5.0
	THCG 32-160	100	32	63	75	160	110	10	65.0	M16X1.0	5.0
	THCG 32-200	100	32	63	75	200	150	10	65.0	M16X1.0	5.0

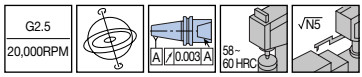
G162-G163 G182 G182 G197-G198

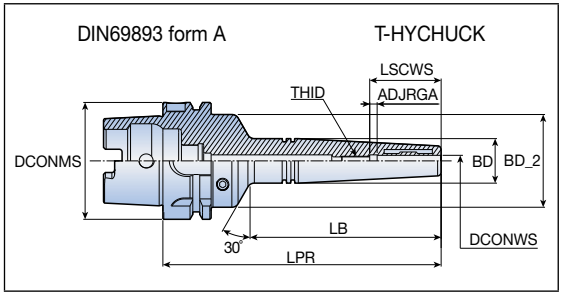
- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

HSK A-THCS

Slim hydraulic chucks







Designation		Dimension (mm)									
		DCONMS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	Hex key
HSK A 63	**THCS 6-150**	63	6	24	50	150	103	10	37.5	M5X0.8	4.0
	THCS 10-150	63	10	28	50	150	104	10	42.5	M8X1.0	4.0
	THCS 12-150	63	12	30	50	150	105	10	47.5	M10X1.0	4.0
HSK A 100	**THCS 6-180**	100	6	24	50	180	120	10	37.5	M5X0.8	4.0
	THCS 8-180	100	8	26	50	180	120	10	37.5	M6X1.0	4.0
	THCS 10-180	100	10	28	50	180	120	10	42.5	M8X1.0	4.0
	THCS 12-180	100	12	30	50	180	120	10	47.5	M10X1.0	4.0
	THCS 14-180	100	14	32	50	180	121	10	47.5	M10X1.0	4.0
	THCS 16-180	100	16	34	50	180	121	10	52.5	M12X1.0	4.0
	THCS 18-180	100	18	36	50	180	122	10	52.5	M12X1.0	4.0
	THCS 20-180	100	20	38	50	180	122	10	52.5	M16X1.0	4.0







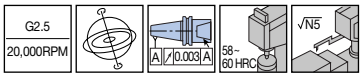


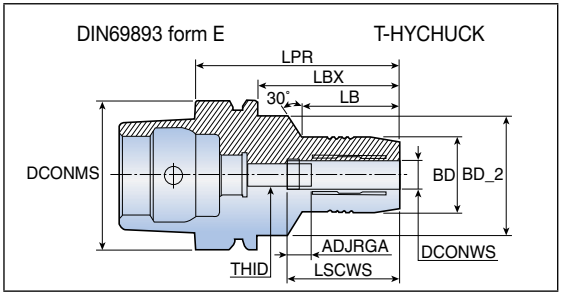
- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

HSK E-THC

Hydraulic chucks







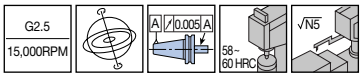
Designation		Dimension (mm)									
		DCONMS	DCONWS	BD	BD_2	LPR	LBX	LB	ADJRGA	LSCWS	THID
HSK E 40	**THC 6-70**	40	6	28	34	70	50	28	10	37.5	M5
	THC 12-80	40	12	34	34	80	60	-	10	47.5	M6

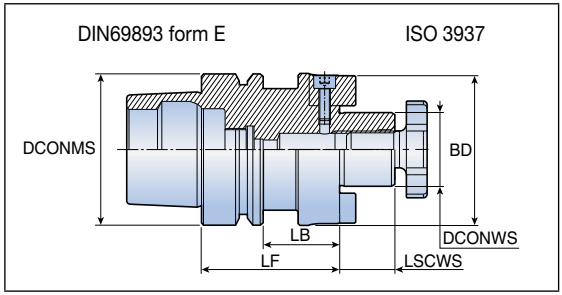
G162-G163 G182 G182 G197-G198

HSK E-SEM

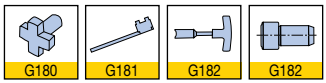
Face mill arbors







Designation	Dimension (mm)					
	DCONMS	DCONWS	BD	LF	LB	LSCWS
HSK E 40 SEM 22x50	40	22	47	50	30	19

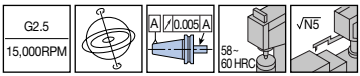


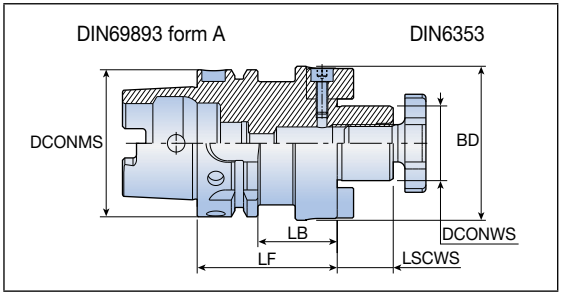
▸ Wrench not included

HSK A-SEM

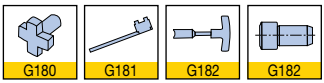
Face mill arbors







Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LF	LB	LSCWS
HSK A 63	**SEM 16x50**	63	16	38	50	24	17
	SEM 22x50	63	22	47	50	24	19
	SEM 27x60	63	27	58	60	34	21
	SEM 32x60	63	32	66	60	34	24
	SEM 40x60	63	40	82	60	24	27
HSK A 100	**SEM 22x50**	100	22	47	50	21	19
	SEM 27x50	100	27	58	50	21	21
	SEM 32x50	100	32	66	50	21	24
	SEM 40x60	100	40	82	60	31	27
	SEM 50x70	100	50	95	70	41	30

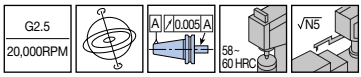


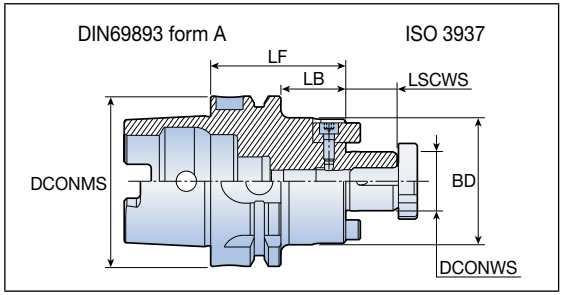
▸ Wrench not included

HSK A-SEM-C

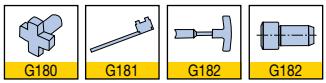
Face mill arbors with internal coolant hole







Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LF	LB	LSCWS
HSK A 63	**SEM 16x50 C**	63	16	38	50	24	17
	SEM 16x100 C	63	16	38	100	74	17
	SEM 22x50 C	63	22	47	50	24	19
	SEM 22x100 C	63	22	47	100	74	19
	SEM 27x60 C	63	27	58	60	34	21
	SEM 27x100 C	63	27	58	100	74	21
	SEM 32x60 C	63	32	66	60	34	24
HSK A 100	**SEM 16x50 C**	100	16	38	50	21	17
	SEM 16x100 C	100	16	38	100	71	17
	SEM 22x50 C	100	22	47	50	21	19
	SEM 22x100 C	100	22	47	100	71	19
	SEM 27x50 C	100	27	58	50	21	21
	SEM 27x100 C	100	27	58	100	71	21
	SEM 32x50 C	100	32	66	50	21	24
	SEM 32x100 C	100	32	66	100	71	24

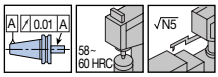


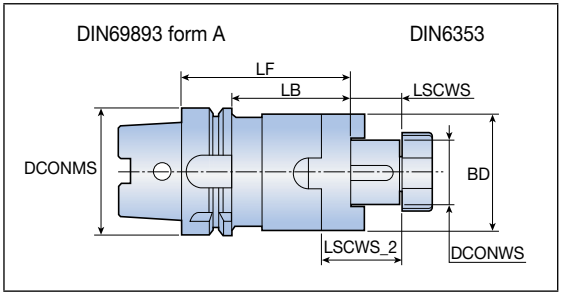
▸ Wrench not included

HSK A-SEMC

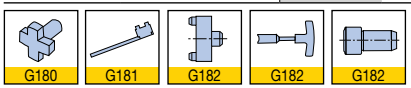
Combi shell end mill arbors







Designation		Dimension (mm)						
		DCONMS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2
HSK A 63	**SEMC 16x60**	63	16	32	60	34	17	21
	SEMC 22x60	63	22	40	60	34	19	31
	SEMC 27x60	63	27	48	60	34	21	33
	SEMC 32x60	63	32	58	60	34	24	38
	SEMC 40x70	63	40	70	70	44	27	41
HSK A 100	**SEMC 16x60**	100	16	32	60	31	17	27
	SEMC 22x60	100	22	40	60	31	19	31
	SEMC 27x60	100	27	48	60	31	21	33
	SEMC 32x60	100	32	58	60	31	24	38
	SEMC 40x70	100	40	70	70	41	27	41
	SEMC 50x80	100	50	90	80	51	30	46

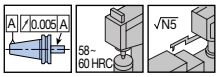


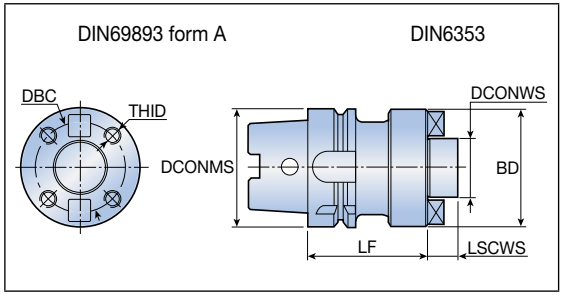
▸ Wrench not included

HSK A-FM

Face mill arbors







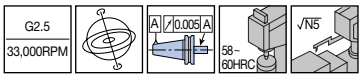
Designation	Dimension (mm)						
	DCONMS	DCONWS	BD	DBC	LF	LSCWS	THID
HSK A 100 FM 60x70	100	60	128	101.6	70	40	M16

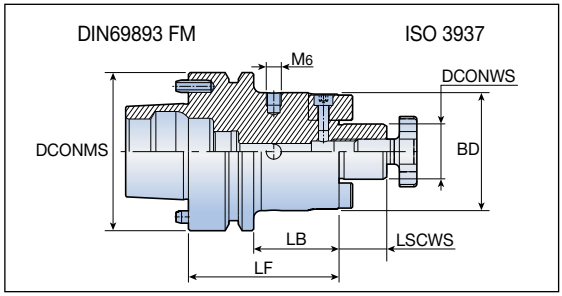
▸ Wrench not included

HSK FM-SEM

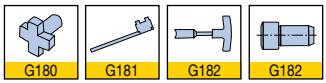
Face mill arbors - HSK high torque







Designation	Dimension (mm)					
	DCONMS	DCONWS	BD	LF	LB	LSCWS
HSK FM 63 SEM 22x60	63	22	47	60	34	19

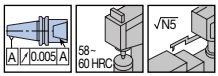


▸ The driving pins can be removed to turn the toolholder into a standard HSK F 63 type

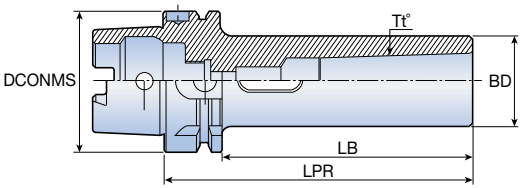
HSK A-MT

Morse taper adapters

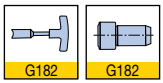




DIN69893 form A DIN6383 / DIN228-2 form D



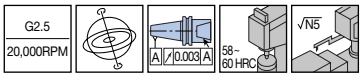
Designation		Dimension (mm)				
		DCONMS	Tt°	BD	LPR	LB
HSK A 63	**MT 1x110**	63	MT1	25	110	84
	MT 2x120	63	MT2	32	120	94
	MT 3x140	63	MT3	40	140	114
	MT 4x160	63	MT4	48	160	134
HSK A 100	**MT 1x110**	100	MT1	25	110	81
	MT 2x120	100	MT2	32	120	91
	MT 3x150	100	MT3	40	150	121
	MT 4x170	100	MT4	48	170	141
	MT 5x200	100	MT5	63	200	171

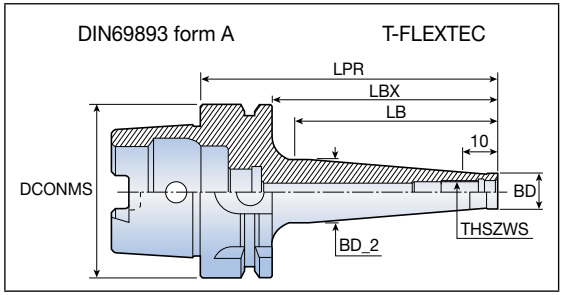


HSK A-ODP

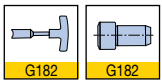
T-FLEXTEC holders







Designation		Dimension (mm)						
		DCONMS	THSZWS	BD	BD_2	LPR	LBX	LB
HSK A 63	**ODP 6x109**	63	M06	9.8	23.0	109	83	75
	ODP 8x59	63	M08	13.1	15.0	59	33	25
	ODP 8x109	63	M08	13.1	23.0	109	83	75
	ODP 10x59	63	M10	18.0	20.0	59	33	25
	ODP 10x109	63	M10	18.0	28.0	109	83	75
	ODP 12x59	63	M12	21.0	24.0	59	33	25
	ODP 12x109	63	M12	21.0	31.0	109	83	75
	ODP 16x59	63	M16	29.0	34.0	59	33	25
	ODP 16x109	63	M16	29.0	34.0	109	83	75
HSK A 100	**ODP 12x87**(1)	100	M12	23.0	30.0	87	58	50
	ODP 12x137(1)	100	M12	23.0	30.0	137	108	100
	ODP 12x187(1)	100	M12	23.0	40.0	187	158	150
	ODP 12x237(1)	100	M12	23.0	46.0	237	208	200
	ODP 16x87(1)	100	M16	29.0	31.5	87	58	50
	ODP 16x137(1)	100	M16	29.0	41.5	137	108	100
	ODP 16x187(1)	100	M16	29.0	55.0	187	158	150
	ODP 16x237(1)	100	M16	29.0	55.0	237	208	200

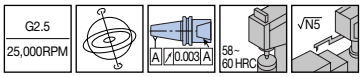


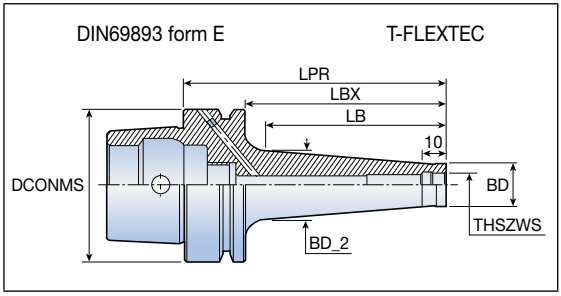
▸ (1) Balance to G6.3 at 12,000RPM

HSK E-ODP

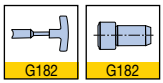
T-FLEXTEC holders







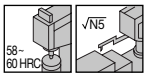
Designation		Dimension (mm)						
		DCONMS	THSZWS	BD	BD_2	LPR	LBX	LB
HSK E 40	**ODP 10x53**	40	M10	18	20	53	33	25
	ODP 10x103	40	M10	18	28	103	83	75
	ODP 12x103	40	M12	21	31	103	83	75
HSK E 50	**ODP 12x59**	50	M12	21	24	59	33	25
	ODP 16x59	50	M16	29	34	59	33	25
	ODP 16x109	50	M16	29	34	109	83	75
HSK E 63	**ODP 10x59**	63	M10	18	20	59	33	25
	ODP 10x109	63	M10	18	28	109	83	75
	ODP 12x59	63	M12	21	24	59	33	25
	ODP 12x109	63	M12	21	31	109	83	75

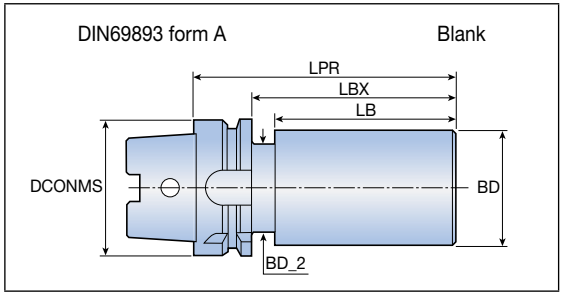


HSK A-B-MN

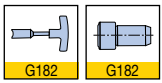
HSK blanks







Designation	Dimension (mm)					
	DCONMS	BD	BD_2	LPR	LBX	LB
HSK A 100 B16MN 200	100	102	85.0	200	171	154.8



- Material: Case hardened alloy steel
  - Shank hardness 57-60 HRC minimum
  - Nose hardness 22-30 HRC

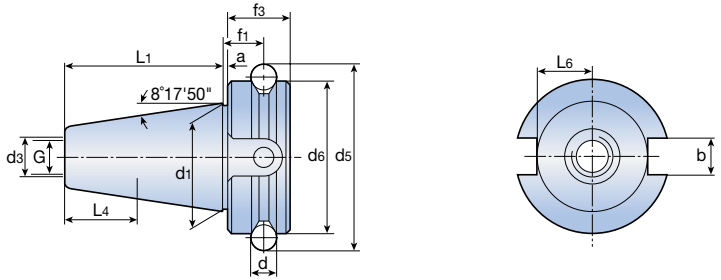
BT MAS



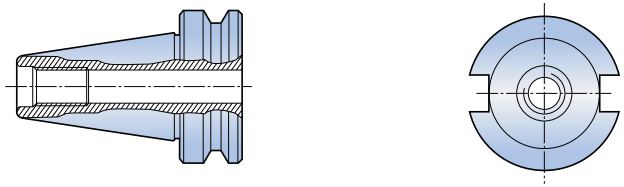
BT MAS 403 Form A/AD/B/ADB

Standard toolholder

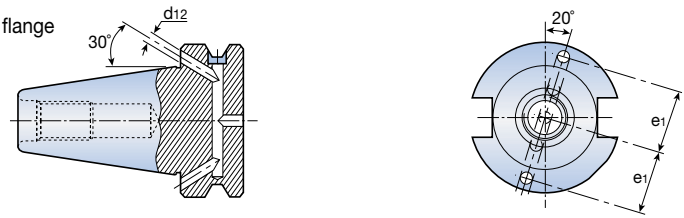
Type “A”



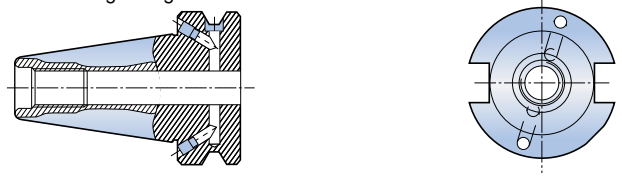
Type “AD”
Coolant hole



Type “B”
Coolant through flange



Type “ADB”
Coolant hole or coolant through flange



Shank	a ±0.1	b (H12)	d	d1	G	d3 (H8)	d5	d6 (H8)
30	2	16.1	8	31.75	M12	12.5	56.144	46
40	2	16.1	10	44.45	M16	17.0	75.679	63
50	3	25.7	15	69.85	M24	25.0	119.020	100

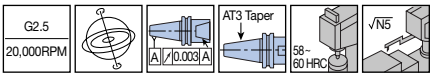
Shank	f1 ±0.1	f3	L1 ±0.2	L4min	L6 -0.2	e1 ±0.1	d12	Taper AT3
30	13.6	20	48.4	24	16.3	21	4	0.002
40	16.6	25	65.4	30	22.6	27	4	0.003
50	23.2	35	101.8	45	35.4	42	6	0.004

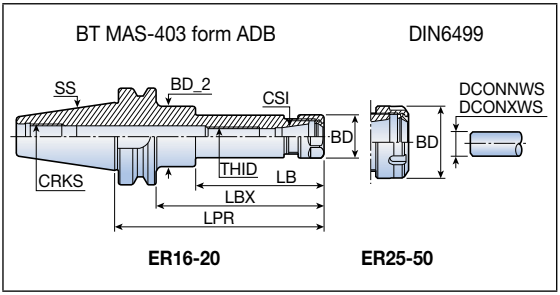
▸ For non-stock items: Supply condition is subject to availability
If not available in stock then MOQ (Minimum order qty) will be applicable

BT-ER

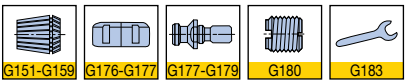
ER collet chucks







Designation		Dimension (mm)										
		SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
BT30	**ER 16x70**	30	ER16	0.5	10.0	28	-	70	48	-	M12	M10
	ER 16x100	30	ER16	0.5	10.0	28	-	100	78	-	M12	M10
	ER 20x70	30	ER20	1.0	13.0	34	-	70	48	-	M12	M12
	ER 25x60	30	ER25	1.0	16.0	42	-	60	38	-	M12	M16
	ER 32x60	30	ER32	2.0	20.0	50	-	60	38	-	M12	M18x1.5
BT40	**ER 16x70**	40	ER16	0.5	10.0	28	-	70	43	-	M16	M10
	ER 16x100	40	ER16	0.5	10.0	28	-	100	73	-	M16	M10
	ER 16x150	40	ER16	0.5	10.0	28	40	150	123	85	M16	M10
	ER 16x200[(1)]	40	ER16	0.5	10.0	28	40	200	173	85	M16	M10
	ER 20x70	40	ER20	1.0	13.0	34	-	70	43	-	M16	M12
	ER 20x100	40	ER20	1.0	13.0	34	-	100	73	-	M16	M12
	ER 20x120	40	ER20	1.0	13.0	34	-	120	93	-	M16	M12
	ER 20x150	40	ER20	1.0	13.0	34	-	150	123	-	M16	M12
	ER 25x60	40	ER25	1.0	13.0	42	-	60	33	-	M16	M16
	ER 25x100	40	ER25	1.0	16.0	42	-	100	73	-	M16	M16
	ER 25x150	40	ER25	1.0	16.0	42	-	150	123	-	M16	M16
	ER 32x60	40	ER32	2.0	20.0	50	-	60	33	-	M16	M22x1.5
	ER 32x100	40	ER32	2.0	20.0	50	-	100	73	-	M16	M22x1.5
	ER 32x150	40	ER32	2.0	20.0	50	-	150	123	-	M16	M22x1.5
	ER 32x200[(1)]	40	ER32	2.0	20.0	50	-	200	162	-	M16	M22x1.6
	ER 40x80	40	ER40	3.0	26.0	63	-	80	53	-	M16	M28x1.5
	ER 40x100	40	ER40	3.0	26.0	63	-	100	73	-	M16	M28x1.5
	ER 40x150	40	ER40	3.0	26.0	63	-	150	123	-	M16	M28x1.5
	ER 50x90	40	ER50	10.0	34.0	78	-	90	63	-	M16	M28x1.5
BT50	**ER 16x100**	50	ER16	0.5	10.0	28	-	100	62	-	M24	M10
	ER 16x125	50	ER16	0.5	10.0	28	-	125	87	-	M24	M10
	ER 16x150	50	ER16	0.5	10.0	28	-	150	112	-	M24	M10
	ER 16x200[(1)]	50	ER16	0.5	10.0	28	40	200	162	85	M24	M10
	ER 20x100	50	ER20	1.0	10.0	34	-	100	62	-	M24	M12
	ER 20x125	50	ER20	1.0	13.0	34	-	125	87	-	M24	M12
	ER 20x150	50	ER20	1.0	13.0	34	-	150	112	-	M24	M12
	ER 20x200[(1)]	50	ER20	1.0	13.0	34	50	200	162	86	M24	M12

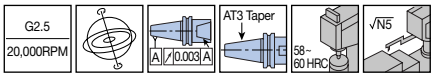


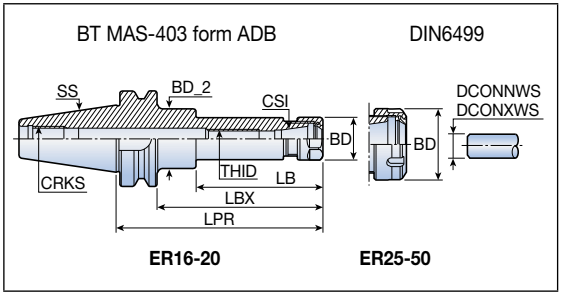
▸ [(1)] Balance to G6.3 at 12,000RPM

BT-ER

ER collet chucks







Designation		Dimension (mm)										
		SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
BT50	**ER 25x100**	50	ER25	1.0	16.0	42	-	100	62	-	M24	M16
	ER 25x150	50	ER25	1.0	16.0	42	-	150	112	-	M24	M16
	ER 25x200(1)	50	ER25	1.0	16.0	42	55	200	162	87	M24	M16
	ER 32x100	50	ER32	2.0	20.0	50	-	100	62	-	M24	M22x1.5
	ER 32x125	50	ER32	2.0	20.0	50	-	125	87	-	M24	M22x1.5
	ER 32x150	50	ER32	2.0	20.0	50	-	150	112	-	M24	M22x1.5
	ER 32x200(1)	50	ER32	2.0	20.0	50	63	200	162	88	M24	M22x1.5
	ER 40x100	50	ER40	3.0	26.0	63	-	100	62	-	M24	M28x1.5
	ER 40x150	50	ER40	3.0	26.0	63	-	150	112	-	M24	M28x1.5
	ER 40x200(1)	50	ER40	3.0	26.0	63	-	200	162	-	M24	M28x1.5
	ER 50x100	50	ER50	3.0	26.0	78	-	100	62	-	M24	M36x1.5
	ER 50x150	50	ER50	10.0	34.0	78	-	150	112	-	M24	M36x1.5

▸ (1) Balance to G6.3 at 12,000RPM


G151-G159

G176-G177

G177-G179

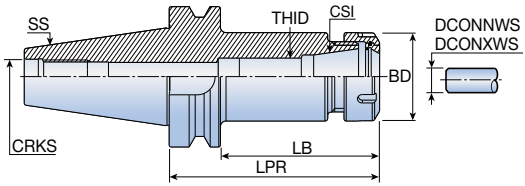
G180

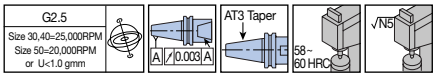
G183

BT-FC-ER

ER collet chucks







Designation		Dimension (mm)								
		SS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	CRKS	THID
BT30	**FC ER16x70**	30	ER16	0.5	10.0	28	70	48	M12	M10
	FC ER16x100	30	ER16	0.5	10.0	28	100	79	M12	M10
	FC ER20x70	30	ER20	1.0	13.0	34	70	48	M12	M12
	FC ER25x60	30	ER25	1.0	16.0	42	60	38	M12	M16
	FC ER32x60	30	ER32	2.0	20.0	50	60	38	M12	M18
BT40	**FC ER16x70**	40	ER16	0.5	10.0	28	70	44	M16	M12
	FC ER16x100	40	ER16	0.5	10.0	28	100	74	M16	M12
	FC ER32x60	40	ER32	2.0	20.0	50	60	34	M16	M22X1.5
	FC ER32x100	40	ER32	2.0	20.0	50	100	74	M16	M22X1.5
	FC ER40x80	40	ER40	3.0	26.0	63	80	54	M16	M28X1.5
BT50	**FC ER16x100**	50	ER16	0.5	10.0	28	100	63.5	M24	M12
	FC ER16x150	50	ER16	0.5	10.0	28	150	113.5	M24	M12
	FC ER32x100	50	ER32	2.0	20.0	50	100	63.5	M24	M22X1.5
	FC ER32x150	50	ER32	2.0	20.0	50	150	113.5	M24	M22X1.5
	FC ER40x100	50	ER40	3.0	26.0	63	100	63.5	M24	M28X1.5
	FC ER40x150	50	ER40	3.0	26.0	63	150	113.5	M24	M28X1.5

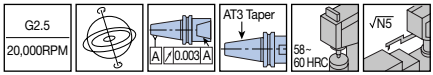
G151-G159 G176-G177 G177-G179 G180 G183

BT-ER-SHORT

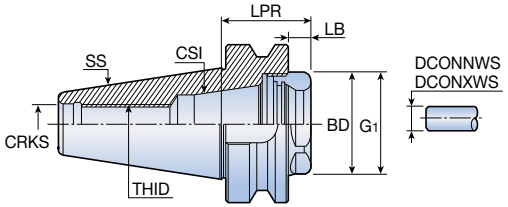
T-SHORT

Short ER collet chucks





BT MAS-403 form AD



Designation	Dimension (mm)									
	SS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	CRKS	G1	THID
BT30 ER 20 SHORT	30	ER20	1.0	13.0	25	27.2	5.2	M12	M25x1.5	M12
BT40 ER 32 SHORT	40	ER32	2.0	20.0	40	36.5	9.5	M16	M40x1.5	M16
ER 40 SHORT	40	ER40	3.0	26.0	50	46.5	9.5	M16	M50x1.5	M16
BT50 ER 32 SHORT	50	ER32	2.0	20.0	40	47.5	9.5	M24	M40x1.5	M22x1.5
ER 40 SHORT	50	ER40	3.0	26.0	50	47.5	9.5	M24	M50x1.5	M28x1.5

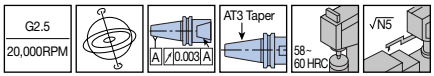
G151-G159 G167-G173 G176-G177 G177-G179 G180 G183

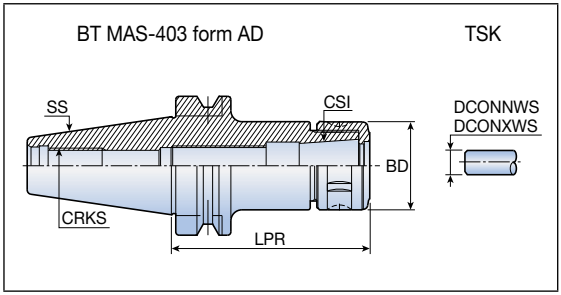
▸ Add B for coolant through flange

BT-TSK

TSK collet chucks







Designation		Dimension (mm)						
		SS	CSI	DCONNWS	DCONXWS	BD	LPR	CRKS
BT30	**TSK 6-90**[1]	30	TSK6	1.5	6.0	19.5	90	M12
	TSK 10-90[1]	30	TSK10	1.5	10.0	27.5	90	M12
BT40	**TSK 6-90**	40	TSK6	1.5	6.0	19.5	90	M16
	TSK 6-120	40	TSK6	1.5	6.0	19.5	120	M16
	TSK 10-90	40	TSK10	1.5	10.0	27.5	90	M16
	TSK 10-120	40	TSK10	1.5	10.0	27.5	120	M16
	TSK 16-90	40	TSK16	2.5	16.0	40.0	90	M16
	TSK 16-120	40	TSK16	2.5	16.0	40.0	120	M16
	TSK 25-90	40	TSK25	7.5	25.0	55.0	90	M16
	TSK 25-120	40	TSK25	7.5	25.0	55.0	120	M16
BT50	**TSK 6-120**[1]	50	TSK6	1.5	6.0	19.5	120	M24
	TSK 6-165[1]	50	TSK6	1.5	6.0	19.5	165	M24
	TSK 6-195[1]	50	TSK6	1.5	6.0	19.5	195	M24
	TSK 10-120[1]	50	TSK10	1.5	10.0	27.5	120	M24
	TSK 10-165[1]	50	TSK10	1.5	10.0	27.5	165	M24
	TSK 16-120[1]	50	TSK16	2.5	16.0	40.0	120	M24
	TSK 16-165[1]	50	TSK16	2.5	16.0	40.0	165	M24
	TSK 16-195[1]	50	TSK16	2.5	16.0	40.0	195	M24
	TSK 25-120[1]	50	TSK25	7.5	25.0	55.0	120	M24
	TSK 25-165[1]	50	TSK25	7.5	25.0	55.0	165	M24
	TSK 25-195[1]	50	TSK25	7.5	25.0	55.0	195	M24

G160-G161 G177 G177-G179 G184 G194

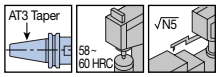
- Add B for coolant through flange
- [1] Balance to G6.3 at 20,000RPM

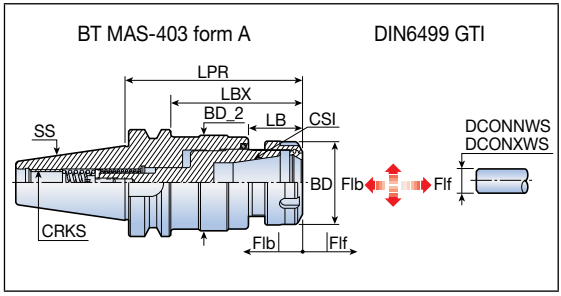
TaeguTec Member IMC Group

GTI BT-ER

GTI tap attachments







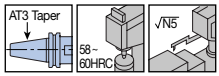
Designation		Dimension (mm)													
		SS	CSI	Tapmin	Tapmax	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	Flf	Flb	CRKS
GTI BT40	**ER16**	40	ER16	M3	M10	0.5	10.0	28	29.5	84.2	52.7	24.6	8	3	M16
	ER32	40	ER32	M6	M20	2.0	20.0	50	56.5	106.8	79.8	33.0	9	4	M16
	ER40	40	ER40	M6	M28	3.0	26.0	63	56.5	124.8	97.8	51.0	9	4	M16
GTI BT50	**ER16**	50	ER16	M3	M10	0.5	10.0	28	29.5	106.8	68.8	24.6	8	3	M24
	ER32	50	ER32	M6	M20	2.0	20.0	50	56.5	114.2	77.2	33.0	9	4	M24
	ER40	50	ER40	M6	M28	3.0	26.0	63	56.5	133.2	95.2	51.0	9	4	M24

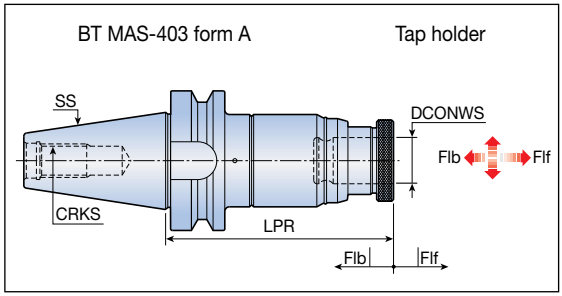
▸ No coolant should be induced through the tap chuck as it will cause malfunctioning of the mechanism

BT-TC

Tap holders







Designation	Dimension (mm)								
	SS	Tapmin	Tapmax	DCONWS	LPR	Flb	Flf	Tap adapter	CRKS
BT30 TC 12-105	30	M3	M12	19	105	6.5	12	TA1	M12
BT40 TC 12-95	40	M3	M12	19	95	6.5	12	TA1	M16
TC 12-110	40	M3	M12	19	110	6.5	12	TA1	M16
TC 22-127	40	M6	M24	31	127	14.5	13	TA2	M16
BT50 TC 12-125	50	M6	M12	19	125	6.5	12	TA1	M24
TC 22-142	50	M6	M24	31	142	14.5	13	TA2	M24
TC 38-195	50	M18	M38	48	195	20.0	20	TA3	M24


G151-G159

G174

G176-G177

G177-G179

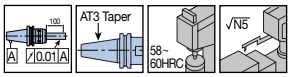
G183

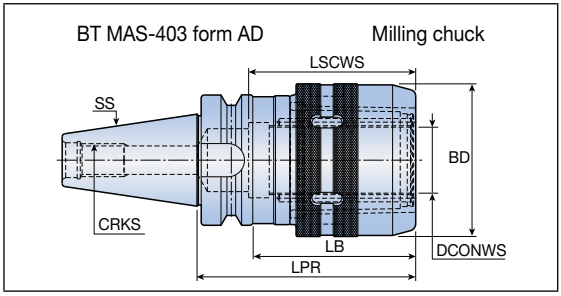

G200

BT-NTMC

Milling chucks







Designation		Dimension (mm)						
		SS	DCONWS	BD	LPR	LB	LSCWS	CRKS
BT30	**NTMC 20-75**	30	20	53	75	51.4	70	M12
	NTMC 25-80	30	25	62	80	58.3	70	M12
BT40	**NTMC 20-80**	40	20	53	80	53	82	M16
	NTMC 20-90	40	20	53	90	63	82	M16
	NTMC 25-90	40	25	62	90	63	85	M16
	NTMC 25-105	40	25	62	105	78	95	M16
	NTMC 32-85	40	32	72	85	56	80	M16
	NTMC 32-105	40	32	72	105	78.5	90	M16
	NTMC 32-120	40	32	72	120	93.5	105	M16
BT50	**NTMC 20-105**	50	20	53	105	67	82	M24
	NTMC 20-135	50	20	53	135	97	82	M24
	NTMC 20-165	50	20	53	165	127	82	M24
	NTMC 25-105	50	25	62	105	67	90	M24
	NTMC 25-135	50	25	62	135	97	90	M24
	NTMC 25-165	50	25	62	165	127	90	M24
	NTMC 32-105	50	32	74	105	67	110	M24
	NTMC 32-120	50	32	74	120	82	125	M24
	NTMC 32-135	50	32	74	135	97	125	M24
	NTMC 32-165	50	32	74	165	127	125	M24
	NTMC 42-120	50	42	94	120	82	125	M24
	NTMC 42-135	50	42	94	135	97	130	M24
	NTMC 42-165	50	42	94	165	127	135	M24

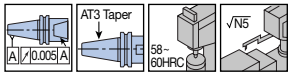
G164-G166 G177-G179 G183 G196

▸ Spanner not included

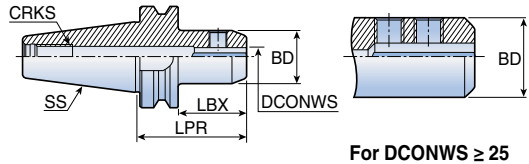
BT-EM-CX

CX coolant type end mill holders



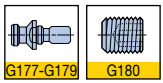


BT MAS-403 form AD DIN6359 / DIN1835 form B



For DCONWS ≥ 25

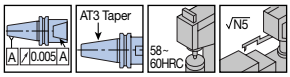
Designation		Dimension (mm)					
		SS	DCONWS	BD	LPR	LBX	CRKS
BT40	**EM 6x50 CX**	40	6	25	50	23	M16
	EM 8x50 CX	40	8	28	50	23	M16
	EM 10x63 CX	40	10	35	63	36	M16
	EM 12x63 CX	40	12	42	63	36	M16
	EM 16x63 CX	40	16	48	63	36	M16
	EM 20x63 CX	40	20	52	63	36	M16
	EM 25x45 CX	40	25	61	45	18	M16
	EM 25x90 CX	40	25	65	90	63	M16
	EM 32x100 CX	40	32	72	100	65	M16
BT50	**EM 12x80 CX**	50	12	42	80	42	M24
	EM 16x80 CX	50	16	48	80	42	M24
	EM 20x80 CX	50	20	52	80	42	M24
	EM 25x100 CX	50	25	65	100	62	M24
	EM 32x105 CX	50	32	72	105	67	M24
	EM 40x110 CX	50	40	80	110	72	M24



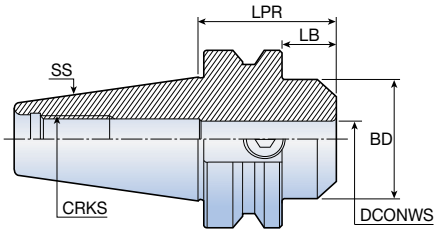
BT-EM

Short end mill holders

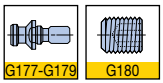




BT MAS-403 form AD DIN6359 / DIN1835 form B



Designation	Dimension (mm)					
	SS	DCONWS	BD	LPR	LB	CRKS
BT40 EM 10x45	40	10	35	45	18	M16
EM 12x45	40	12	42	45	18	M16
EM 16x45	40	16	48	45	18	M16
EM 20x45	40	20	52	45	18	M16
EM 25x45	40	25	63	45	-	M16

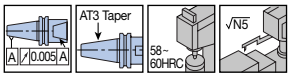


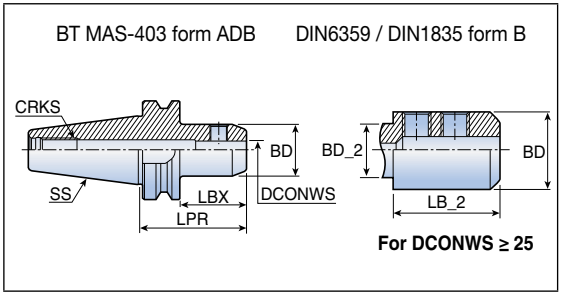
▸ Add B for coolant through flange

BT-EM

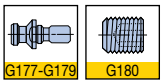
End mill holders







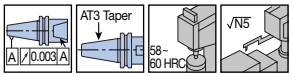
Designation	Dimension (mm)							
	SS	DCONWS	BD	BD_2	LPR	LBX	LB_2	CRKS
BT30 EM 6x50	30	6	25	-	50	28	-	M12
EM 8x60	30	8	28	-	60	38	-	M12
EM 10x60	30	10	35	-	60	38	-	M12
EM 12x60	30	12	42	-	60	38	-	M12
EM 16x60	30	16	46	-	60	38	-	M12
EM 20x80	30	20	52	-	80	58	-	M12
BT40 EM 6x50	40	6	25	-	50	23	-	M16
EM 8x50	40	8	28	-	50	23	-	M16
EM 10x65	40	10	35	-	65	38	-	M16
EM 12x65	40	12	42	-	65	38	-	M16
EM 14x65	40	14	44	-	65	38	-	M16
EM 16x65	40	16	48	-	65	38	-	M16
EM 20x75	40	20	52	-	75	48	-	M16
EM 20X120	40	20	52	-	120	93	-	M16
EM 25x105	40	25	65	61	105	78	68	M16
EM 32x110	40	32	72	61	110	83	73	M16
BT50 EM 6x70	50	6	25	-	70	32	-	M24
EM 8x70	50	8	28	-	70	32	-	M24
EM 10x70	50	10	35	-	70	32	-	M24
EM 12x100	50	12	42	-	100	62	-	M24
EM 14x100	50	14	44	-	100	62	-	M24
EM 16x100	50	16	48	-	100	62	-	M24
EM 18x100	50	18	50	-	100	62	-	M24
EM 20x100	50	20	52	-	100	62	-	M24
EM 25x115	50	25	65	-	115	77	-	M24
EM 32x115	50	32	72	-	115	77	-	M24
EM 40x115	50	40	90	-	115	77	-	M24
EM 50x125	50	50	100	-	125	87	-	M24

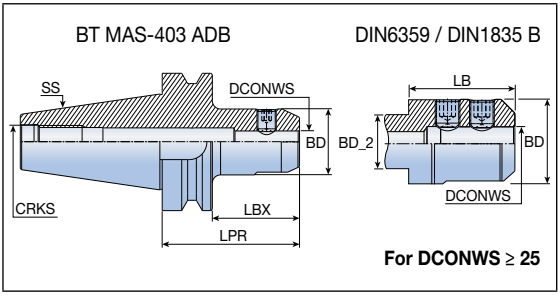


BT-FC-EM

End mill holders







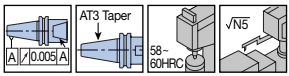
Designation		Dimension (mm)							
		SS	DCONWS	BD	BD_2	LPR	LBx	LB	CRKS
BT30	**FC EM12x60**	30	12	42	-	60	38	-	M12
	FC EM16x60	30	16	45.9	-	60	38	-	M12
	FC EM20x80	30	20	52	44.4	80	58	48	M12
BT40	**FC EM10x65**	40	10	35	-	65	39	-	M16
	FC EM12x65	40	12	42	-	65	39	-	M16
	FC EM16x65	40	16	48	-	65	39	-	M16
	FC EM20x75	40	20	52	-	75	49	-	M16
	FC EM25x105	40	25	65	61	105	79	68	M16
	FC EM32x110	40	32	71	61	110	83	73	M16
BT50	**FC EM12x100**	50	12	42	-	100	62	-	M24
	FC EM16x100	50	16	48	-	100	63.5	-	M24
	FC EM20x100	50	20	52	-	100	63.5	-	M24
	FC EM25x115	50	25	65	-	115	78.5	-	M24
	FC EM32x115	50	32	71	-	115	78.5	-	M24
	FC EM40x115	50	40	90	-	115	78.5	-	M24
	FC EM50x125	50	50	100	-	125	87	-	M24

G177-G179 G180

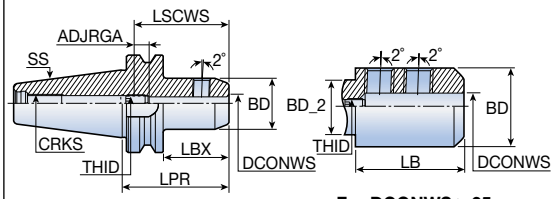
BT-EM-E

End mill holders - Whistle notch



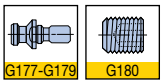


BT MAS-403 form AD DIN6359 / DIN1835 form E



For DCONWS ≥ 25

Designation		Dimension (mm)											
		SS	DCONWS	BD	BD_2	LPR	LBx	LB	ADJRGA	LSCWS	CRKS	THID	Hex key
BT40	**EM 16x65E**	40	16	48	-	65	38	-	10	57	M16	M12	6.0
	EM 20x75E	40	20	52	-	75	48	-	10	59	M16	M16	8.0
	EM 25x105E	40	25	65	61	105	78	68	10	64	M16	M20x1.5	10.0
	EM 32x110E	40	32	72	61	110	83	73	10	68	M16	M20x1.5	10.0
BT50	**EM 20x100E**	50	20	52	-	100	62	-	10	59	M24	M16	8.0
	EM 25x115E	50	25	65	-	115	77	-	10	64	M24	M20x1.5	10.0
	EM 32x115E	50	32	72	-	115	77	-	10	68	M24	M20x1.5	10.0
	EM 40x115E	50	40	90	-	115	77	-	10	78	M24	M20x1.5	10.0
	EM 50x125E	50	50	98	-	125	67	-	10	88	M24	M20x1.5	10.0



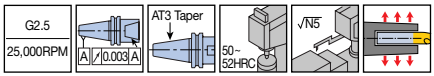
▸ Add B for coolant through flange

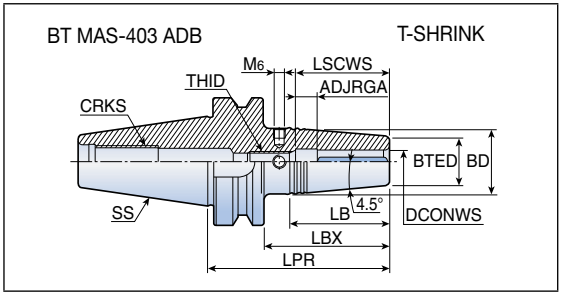
BT-SRKIN-CX

T-SHRINK

CX coolant type thermal shrinking chucks







Designation		Dimension (mm)											
		SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID	Hex key
BT40	**SRKIN 6x90 CX**	40	6	21	27	90	63	38.0	10	34	M16	M5	2.5
	SRKIN 8x90 CX	40	8	21	27	90	63	38.0	10	34	M16	M6	3.0
	SRKIN 10x90 CX	40	10	24	32	90	63	50.8	9	40	M16	M8	4.0
	SRKIN 12x90 CX	40	12	24	32	90	63	50.8	9	45	M16	M10	5.0
	SRKIN 14x90 CX	40	14	27	34	90	63	44.5	9	45	M16	M10	5.0
	SRKIN 16x90 CX	40	16	27	34	90	63	44.5	9	48	M16	M12	6.0
	SRKIN 20x90 CX	40	20	33	42	90	63	57.0	9	49	M16	M16	8.0
	SRKIN 25x110 CX	40	25	44	53	110	83	57.0	9	55	M16	M16	8.0
BT50	**SRKIN 6x100 CX**(1)	50	6	21	27	100	62	38.0	10	34	M24	M5	2.5
	SRKIN 8x100 CX(1)	50	8	21	27	100	62	38.0	10	34	M24	M6	3.0
	SRKIN 10x100 CX(1)	50	10	24	32	100	62	50.8	9	40	M24	M8	4.0
	SRKIN 12x100 CX(1)	50	12	24	32	100	62	50.8	9	45	M24	M10	5.0
	SRKIN 14x100 CX(1)	50	14	27	34	100	62	44.5	9	45	M24	M10	5.0
	SRKIN 16x100 CX(1)	50	16	27	34	100	62	44.5	9	48	M24	M12	6.0
	SRKIN 20x100 CX(1)	50	20	33	42	100	62	57.0	9	49	M24	M16	8.0
	SRKIN 25x120 CX(1)	50	25	44	53	120	82	57.0	9	55	M24	M16	8.0
	SRKIN 32x120 CX(1)	50	32	44	53	120	82	57.0	9	59	M24	M16	8.0

G177-G179 G181 G188-G190 G199

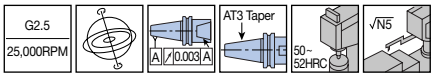
- Only use inductive heating device for T-SHRINK holders
- (1) Balance to G2.5 at 20,000RPM

TaeguTec

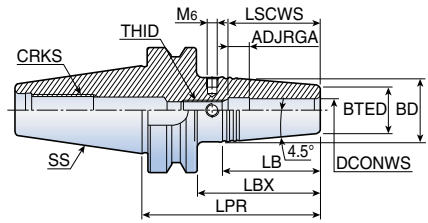
BT-SRKIN

Thermal shrinking chucks





BT MAS-403 form AD T-SHRINK



Designation		Dimension (mm)											
		SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID	Hex key
BT40	**SRKIN 6x90**	40	6	21	27	90	63	38.0	10	36	M16	M5	2.5
	SRKIN 8x90	40	8	21	27	90	63	38.0	10	36	M16	M6	3.0
	SRKIN 10x90	40	10	24	32	90	63	50.5	10	42	M16	M8	4.0
	SRKIN 12x90	40	12	24	32	90	63	50.5	10	47	M16	M10	5.0
	SRKIN 14x90	40	14	27	34	90	63	44.5	10	47	M16	M10	5.0
	SRKIN 16x90	40	16	27	34	90	63	44.5	10	50	M16	M12	6.0
	SRKIN 18x90	40	18	33	42	90	63	57.0	10	50	M16	M12	6.0
	SRKIN 20x90	40	20	33	42	90	63	57.0	10	52	M16	M16	8.0
	SRKIN 25x110	40	25	44	53	110	83	57.0	10	58	M16	M16	8.0
BT50	**SRKIN 6x100(1)**	50	6	21	27	100	62	38.1	10	36	M24	M5	2.5
	SRKIN 8x100(1)	50	8	21	27	100	62	38.0	10	36	M24	M6	3.0
	SRKIN 10x100(1)	50	10	24	32	100	62	51.0	10	42	M24	M8	4.0
	SRKIN 12x100(1)	50	12	24	32	100	62	51.0	10	47	M24	M10	5.0
	SRKIN 14x100(1)	50	14	27	34	100	62	44.5	10	47	M24	M10	5.0
	SRKIN 16x100(1)	50	16	27	34	100	62	44.5	10	50	M24	M12	6.0
	SRKIN 18x100(1)	50	18	33	42	100	62	57.0	10	50	M24	M12	6.0
	SRKIN 20x100(1)	50	20	33	42	100	62	57.0	10	52	M24	M16	8.0
	SRKIN 25x120(1)	50	25	44	53	120	82	57.0	10	58	M24	M16	8.0
	SRKIN 32x120(1)	50	32	44	53	120	82	57.0	10	58	M24	M16	8.0

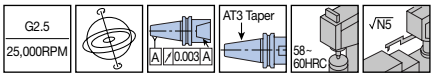
G177-G179 G181 G188-G190 G199

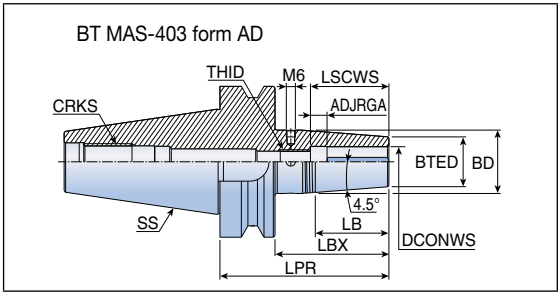
- Only use inductive heating device for T-SHRINK holders
- (1) Balance to G2.5 at 20,000RPM

BT-FC-SRKIN-CX

CX coolant type thermal shrinking chucks







Designation		Dimension (mm)										
		SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID
BT40 FC	**SRKIN 6x90 CX**	40	6	21	27	90	64	30.1	9	34	M16	M5
	SRKIN 8x90 CX	40	8	21	27	90	64	30.1	10	34	M16	M6
	SRKIN 10x90 CX	40	10	24	32	90	64	42.8	9	40	M16	M8
	SRKIN 12x90 CX	40	12	24	32	90	64	42.8	9	45	M16	M10
	SRKIN 14x90 CX	40	14	27	34	90	64	36.5	9	45	M16	M10
	SRKIN 16x90 CX	40	16	27	34	90	64	36.5	9	48	M16	M12
	SRKIN 20x90 CX	40	20	33	42	90	64	49.2	9	49	M16	M16
	SRKIN 25x110 CX	40	25	44	53	110	84	49.2	9	55	M16	M16

G177-G179 G188-G190 G199

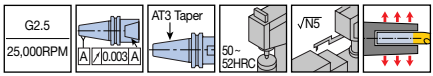
▸ Only use inductive heating device for T-SHRINK holders

BT-FC-SRKIN

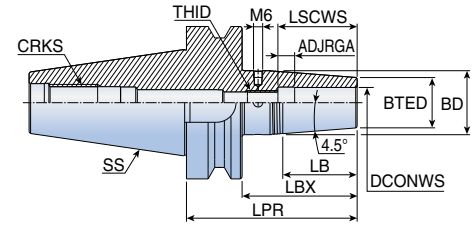
T-SHRINK

Thermal shirinking chucks





BT MAS-403 ADB



Designation		Dimension (mm)											
		SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	CRKS	Hex key
BT40 FC	**SRKIN 6x90**	40	6	21	27	90	64	38	11	36	M5	M16	2.5
	SRKIN 8x90	40	8	21	27	90	64	38	11	36	M6	M16	3.0
	SRKIN10x90	40	10	24	32	90	64	50.8	11	42	M8	M16	4.0
	SRKIN12x90	40	12	24	32	90	64	50.8	11	47	M10	M16	5.0
	SRKIN14x90	40	14	27	34	90	64	44.5	11	47	M10	M16	5.0
	SRKIN16x90	40	16	27	34	90	64	44.5	11	50	M12	M16	6.0
	SRKIN18x90	40	18	33	42	90	64	57.2	11	50	M12	M16	6.0
	SRKIN20x90	40	20	33	42	90	64	57.2	11	52	M16	M16	8.0
	SRKIN25x110	40	25	44	53	110	84	57.2	11	58	M16	M16	8.0
BT50 FC	**SRKIN 6x100(1)**	50	6	21	27	100	63.5	38	11	36	M6	M24	2.5
	SRKIN 8x100(1)	50	8	21	27	100	63.5	38	11	36	M5	M24	3.0
	SRKIN10x100(1)	50	10	24	32	100	63.5	50.8	11	42	M8	M24	4.0
	SRKIN12x100(1)	50	12	24	32	100	63.5	50.8	11	47	M10	M24	5.0
	SRKIN14x100(1)	50	14	27	34	100	63.5	44.5	11	47	M10	M24	5.0
	SRKIN16x100(1)	50	16	27	34	100	63.5	44.5	11	50	M12	M24	6.0
	SRKIN20x100(1)	50	20	33	42	100	63.5	57.2	11	52	M16	M24	8.0
	SRKIN25x120(1)	50	25	44	53	120	83.5	57.2	11	58	M16	M24	8.0
	SRKIN32x120(1)	50	32	44	53	120	83.5	57.2	11.5	62	M16	M24	8.0

G177-G179 G181 G188-G190 G199

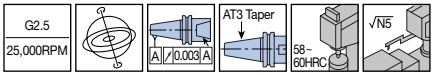
- Only use inductive heating device for T-SHRINK holders
- (1) Balance to G2.5 at 20,000RPM

BT-SRK

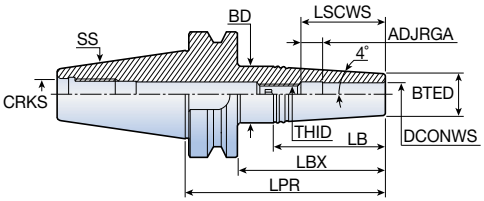
T-SHRINK

Thermal shrinking chucks





BT MAS-403 form AD T-SHRINK



Designation		Dimension (mm)											
		SS	DCONWS	BD	BTED	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID	Hex key
BT40	**SRK 3x50**	40	3	15.0	10	77	50	35.5	6	16	M16	M6	3.0
	SRK 3x85	40	3	19.0	10	112	85	64.1	6	16	M16	M6	3.0
	SRK 4x50	40	4	15.0	10	77	50	35.5	6	18	M16	M6	3.0
	SRK 4x85	40	4	19.0	10	112	85	64.1	6	18	M16	M6	3.0
	SRK 5x50	40	5	15.0	10	77	50	35.5	6	21	M16	M6	3.0
	SRK 5x85	40	5	19.0	10	112	85	64.1	6	21	M16	M6	3.0
	SRK 6x50	40	6	16.0	11	77	50	35.5	6	24	M16	M8	4.0
	SRK 6x85	40	6	20.0	11	112	85	64.1	6	24	M16	M8	4.0
	SRK 8x50	40	8	20.0	14	77	50	42.5	6	31	M16	M10	5.0
	SRK 8x85	40	8	23.0	14	112	85	63.9	6	31	M16	M10	5.0
	SRK 10x50	40	10	22.0	16	77	50	42.4	6	36	M16	M12	6.0
	SRK 10x85	40	10	24.5	16	112	85	60.2	6	36	M16	M12	6.0
	SRK 12x50	40	12	26.0	20	77	50	42.3	10	42	M16	M10	5.0
	SRK 12x85	40	12	28.0	20	112	85	56.6	10	42	M16	M10	5.0


G177-G179


G188-G190



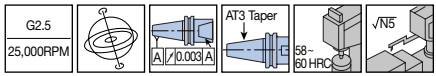
G199

BT-FC-SRK

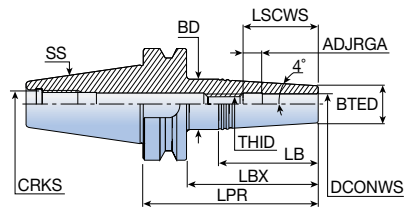
TSHRINK

Thermal shirinking chucks





BT MAS-403 ADB



Designation		Dimension (mm)											
		SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	CRKS	Hex key
BT30 FC	**SRK 3x50**	30	3	9.93	15	72	50	36.3	0	10	M6	M12	3.0
	SRK 4x50	30	4	9.93	15	72	50	36.3	0	12	M6	M12	3.0
	SRK 6x50	30	6	10.88	16	72	50	36.6	0	18	M8	M12	4.0
	SRK 8x50	30	8	13.95	20	72	50	43.3	0	25	M10	M12	5.0
	SRK12x50	30	12	20.03	26	72	50	42.7	10	42	M10	M12	5.0


G177-G179


G188-G190

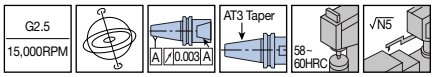


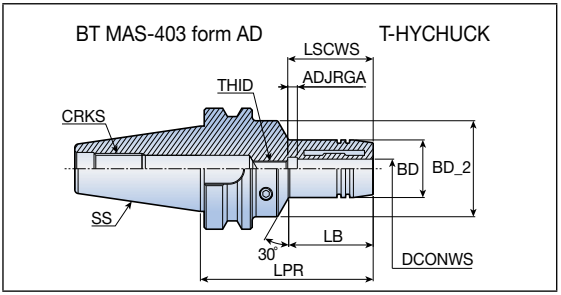
G199

BT-THCG

General hydraulic chucks







Designation		Dimension (mm)									
		SS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	Hex key
BT30	**THCG 6-70**	30	6	26	44.5	70	28	10	37.5	M5X0.8	4.0
	THCG 8-70	30	8	28	44.5	70	28	10	37.5	M6X1.0	4.0
	THCG 10-75	30	10	30	44.5	75	36	10	42.5	M8X1.0	4.0
	THCG 12-75	30	12	32	44.5	75	36	10	47.5	M10X1.0	4.0
	THCG 16-90	30	16	38	44.5	90	48	10	52.5	M12X1.0	4.0
	THCG 20-90	30	20	42	44.5	90	48	10	52.5	M12X1.0	5.0
BT40	**THCG 6-90**	40	6	26	50	90	44	10	37.5	M5X0.8	4.0
	THCG 8-90	40	8	28	50	90	44	10	37.5	M6X1.0	4.0
	THCG 10-90	40	10	30	50	90	44	10	42.5	M8X1.0	4.0
	THCG 12-90	40	12	32	50	90	44	10	47.5	M10X1.0	4.0
	THCG 16-90	40	16	38	50	90	48	10	52.5	M12X1.0	4.0
	THCG 20-90	40	20	42	50	90	48	10	52.5	M16X1.0	5.0
	THCG 25-100	40	25	57	-	100	-	10	61.0	M16X1.0	5.0
	THCG 32-105	40	32	62	-	105	-	10	65.0	M16X1.0	5.0
BT50	**THCG 6-90**	50	6	26	50	90	32	10	37.5	M5X0.8	4.0
	THCG 10-90	50	10	30	50	90	32	10	42.5	M8X1.0	4.0
	THCG 10-140	50	10	30	50	140	44	10	42.5	M8X1.0	4.0
	THCG 12-90	50	12	32	50	90	32	10	47.5	M10X1.0	4.0
	THCG 16-90	50	16	38	50	90	32	10	52.5	M12X1.0	4.0
	THCG 16-120	50	16	38	50	120	48	10	52.5	M12X1.0	4.0
	THCG 20-90	50	20	42	50	90	32	10	52.5	M16X1.0	5.0
	THCG 20-120	50	20	42	50	120	48	10	52.5	M16X1.0	5.0
	THCG 25-105	50	25	57	-	105	-	10	61.0	M16X1.0	5.0
	THCG 25-150	50	25	57	-	150	-	10	61.0	M16X1.0	5.0
	THCG 32-115	50	32	62	-	115	-	10	65.0	M16X1.0	5.0
	THCG 32-150	50	32	62	-	150	-	10	65.0	M16X1.0	5.0

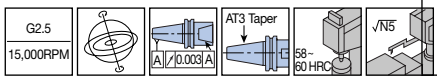
G162-G163 G177-G179 G197-G198

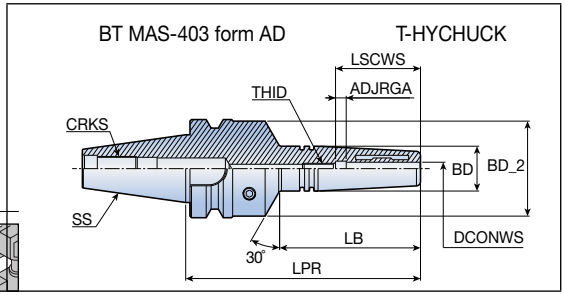
- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

BT-THCS

Slim hydraulic chucks







Designation		Dimension (mm)									
		SS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	Hex key
BT30	**THCS 6-110**	30	6	21	44.5	110	66	10	37.5	M5X0.8	4.0
	THCS 8-110	30	8	23	44.5	110	66	10	37.5	M6X1.0	4.0
	THCS 10-110	30	10	25	44.5	110	67	10	42.5	M8X1.0	4.0
	THCS 12-110	30	12	27	44.5	110	67	10	47.5	M8X1.0	4.0
BT40	**THCS 6-150**	40	6	24	50	150	103	10	37.5	M5X0.8	4.0
	THCS 10-150	40	10	28	50	150	104	10	42.5	M8X1.0	4.0
	THCS 12-150	40	12	30	50	150	105	10	47.5	M10X1.0	4.0

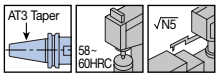
G162-G163 G177-G179 G197-G198

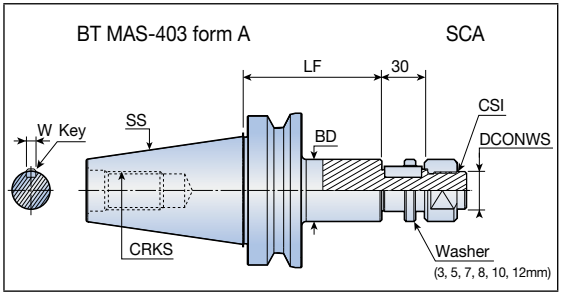
- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

BT-SCA

Slotting cutter arbors







Designation		Dimension (mm)						
		SS	DCONWS	BD	LF	W	CRKS	CSI
BT40	**SCA 22(22.225)-75**	40	22(22.225)	34	75	6(3.18)	M16	M20x1.5
	SCA 22-120	40	22	34	120	6	M16	M20x1.5
	SCA 27(25.4)-75	40	27(25.4)	40	75	7(6.35)	M16	M24x2.0
	SCA 27-120	40	27	40	120	7	M16	M24x2.0
	SCA 32(31.75)-90	40	32(31.75)	46	90	8(7.92)	M16	M30x2.0
BT50	**SCA 22(22.225)-90**	50	22(22.225)	34	90	6(3.18)	M24	M20x1.5
	SCA 27(25.4)-90	50	27(25.4)	40	90	7(6.35)	M24	M24x2.0
	SCA 27-135	50	27	40	135	7	M24	M24x2.0
	SCA 32(31.75)-90	50	32(31.75)	46	90	8(7.92)	M24	M32x2.0
	SCA 40(38.1)-90	50	40(38.1)	55	90	10(9.52)	M24	M36x3.0
	SCA 50-90	50	50	68	90	12	M24	M42x3.0



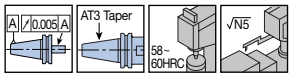
G177-G179

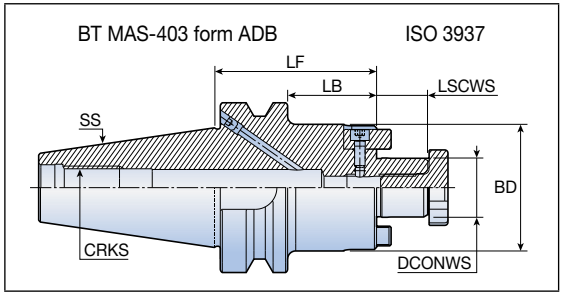
▸ Washers & key are included (Each 3, 5, 7, 8, 10, 12mm)

BT-SEM

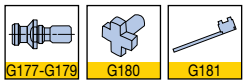
Face mill arbors







Designation	Dimension (mm)						
	SS	DCONWS	BD	LF	LB	LSCWS	CRKS
BT30 SEM 16x50	30	16	38	50	28	17	M12
SEM 22x50	30	22	47	50	28	19	M12
SEM 27x50	30	27	58	50	18	21	M12
BT40 SEM 16x60	40	16	38	60	33	17	M16
SEM 16x120	40	16	38	120	93	17	M16
SEM 22x60	40	22	47	60	33	19	M16
SEM 22x120	40	22	47	120	93	19	M16
SEM 27x45	40	27	58	45	18	21	M16
SEM 27x105	40	27	58	105	78	21	M16
SEM 32x60	40	32	65	60	23	24	M16
SEM 32x75	40	32	65	75	36	24	M16
SEM 40x60	40	40	82	60	23	27	M16
SEM 40x75	40	40	82	75	38	27	M16
BT50 SEM 16x75	50	16	38	75	37	17	M24
SEM 16x120	50	16	38	120	82	17	M24
SEM 22x50x220	50	22	50	220	182	19	M24
SEM 22x64x320	50	22	64	320	282	19	M24
SEM 22x75	50	22	47	75	37	19	M24
SEM 22x120	50	22	47	120	82	19	M24
SEM 27x60	50	27	58	60	22	21	M24
SEM 27x105	50	27	58	105	67	21	M24
SEM 32x48	50	32	66	48	10	24	M24
SEM 32x75	50	32	66	75	37	24	M24
SEM 40x48	50	40	82	48	10	27	M24
SEM 40x75	50	40	82	75	37	27	M24

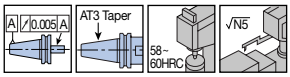


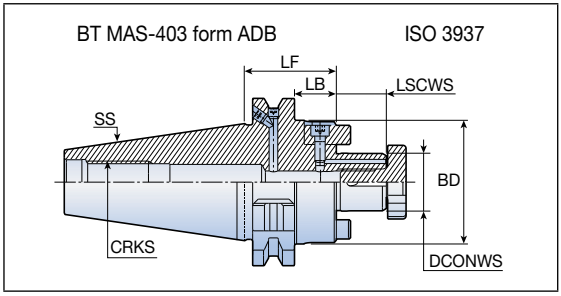
▸ Wrench not included

BT-SEM-C

Face mill arbors with internal coolant hole







Designation		Dimension (mm)						
		SS	DCONWS	BD	LF	LB	LSCWS	CRKS
BT40	**SEM 16x60C**	40	16	38	60	33	17	M16
	SEM 16x100C	40	16	38	100	73	17	M16
	SEM 22x60C	40	22	47	60	33	19	M16
	SEM 22x100C	40	22	47	100	73	19	M16
	SEM 27x45C	40	27	58	45	18	21	M16
	SEM 27x100C	40	27	58	100	73	21	M16
	SEM 32x60C	40	32	66	60	33	24	M16
BT50	**SEM 16x75C**	50	16	38	75	37	17	M24
	SEM 16x100C	50	16	38	100	62	17	M24
	SEM 22x75C	50	22	47	75	37	19	M24
	SEM 22x100C	50	22	47	100	62	19	M24
	SEM 27x60C	50	27	58	60	22	21	M24
	SEM 27x100C	50	27	58	100	62	21	M24
	SEM 32x75C	50	32	66	75	37	24	M24
	SEM 32x100C	50	32	66	100	62	24	M24
BT50	**SEM 22x48x220C**	50	22	48	220	182	19	M24
	SEM 22x61x320C	50	22	61	320	282	19	M24
	SEM 27x61x320C	50	27	61	320	282	21	M24
	SEM 32x78x390C	50	32	78	390	352	24	M24





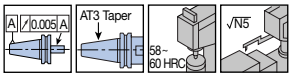


- If the “B type” option is required, the plug screw must be removed from the flange cooling hole (Use a 2mm hex key)
- Wrench not included

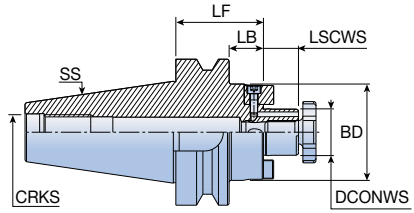
BT-FC-SEM-C

Face mill arbors with internal coolant hole





BT MAS-403 ADB



Designation		Dimension (mm)						
		SS	DCONWS	BD	LF	LB	LSCWS	CRKS
BT30 FC	**SEM16x50C**	30	16	38	50	28	17	M12
	SEM22x50C	30	22	47	50	28	19	M12
	SEM27x50C	30	27	58	50	28	21	M12
BT40 FC	**SEM16x60C**	40	16	38	60	34	17	M16
	SEM22x60C	40	22	47	60	34	19	M16
	SEM22x120C	40	22	47	120	94	19	M16
	SEM27x45C	40	27	58	45	19	21	M16
	SEM32x60C	40	32	66	60	34	24	M16
	SEM32x78x60C	40	32	78	60	34	24	M16
BT50 FC	**SEM16x75C**	50	16	38	75	38.5	17	M24
	SEM16x120C	50	16	38	120	83.5	17	M24
	SEM22x75C	50	22	47	75	38.5	19	M24
	SEM22x120C	50	22	47	120	83.5	19	M24
	SEM27x60C	50	27	58	60	23.5	21	M24
	SEM27x105C	50	27	58	105	68.5	21	M24
	SEM32x60 C	50	32	66	60	23.5	24	M24
	SEM32x78x60C	50	32	78	60	23.5	24	M24
	SEM40x60 C	50	40	82	60	11.5	27	M24





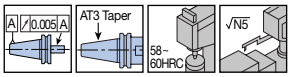


▸ Wrench not included

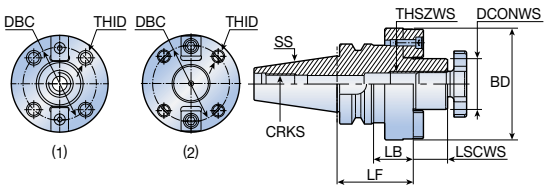
BT-FM

Face mill arbors

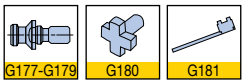




BT MAS-403 form A/AD DIN6357



Designation	Dimension (mm)									
	SS	DCONWS	BD	DBC	LF	LB	LSCWS	CRKS	THID	THSZWS
BT40 FM 40(1)	40	40	88	66.7	60	22	27	M16	M12	M20
BT50 FM 40(1)	50	40	88	66.7	50	12	27	M24	M12	M20
FM 60(2)	50	60	128	101.6	88	40	38	M24	M16	-

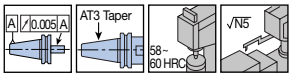


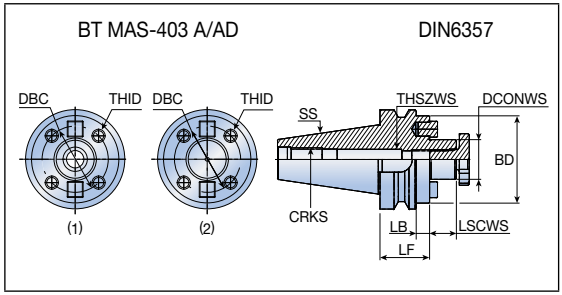
- Wrench not included
- (1) Form AD
- (2) Form A

BT-FC-FM

Face mill arbors







Designation		Dimension (mm)									
		SS	DCONWS	BD	DBC	LF	LB	LSCWS	CRKS	THID	THSZWS
BT40	**FC FM40**[1]	40	40	88	66.7	60	23	27	M16	M12	M20
BT50	**FC FM40**[1]	50	40	88	66.7	50	13.5	27	M24	M12	M20
	FC FM60[2]	50	60	128	101.6	88	41.5	40	M24	M16	-





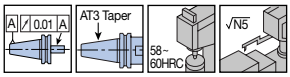


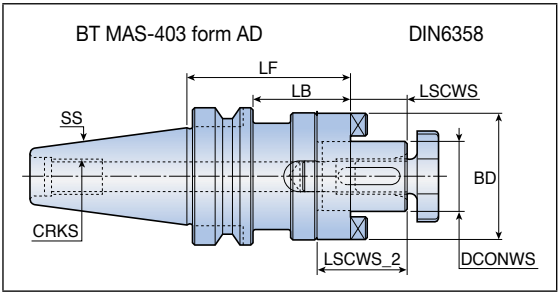
- Wrench not included
- [1] Form AD
- [2] Form A

BT-SEMC

Combi shell end mill arbors







Designation	Dimension (mm)							
	SS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2	CRKS
BT40 SEMC 16x50	40	16	32	50	23	17	27	M16
SEMC 16x100	40	16	32	100	73	17	27	M16
SEMC 22x53	40	22	40	53	26	19	31	M16
SEMC 22x100	40	22	40	100	73	19	31	M16
SEMC 27x55	40	27	48	55	28	21	33	M16
SEMC 27x100	40	27	48	98	73	21	33	M16
SEMC 32x60	40	32	58	60	33	24	38	M16
SEMC 32x100	40	32	58	100	73	24	38	M16
SEMC 40x80	40	40	70	80	53	27	41	M16
BT50 SEMC 16x100	50	16	32	100	62	17	27	M24
SEMC 16x150	50	16	32	150	112	17	27	M24
SEMC 22x68	50	22	40	68	30	19	31	M24
SEMC 22x100	50	22	40	100	62	19	31	M24
SEMC 22x150	50	22	40	150	112	19	31	M24
SEMC 27x78	50	27	48	78	40	21	33	M24
SEMC 27x100	50	27	48	100	62	21	33	M24
SEMC 27x150	50	27	48	150	112	21	33	M24
SEMC 32x78	50	32	58	78	40	24	38	M24
SEMC 32x100	50	32	58	100	62	24	38	M24
SEMC 32x150	50	32	58	150	112	24	38	M24
SEMC 40x78	50	40	70	78	40	27	41	M24
SEMC 40x100	50	40	70	100	62	27	41	M24
SEMC 40x150	50	40	70	150	112	27	41	M24
SEMC 50x79	50	50	90	79	41	30	46	M24
SEMC 50x150	50	50	90	150	112	30	46	M24







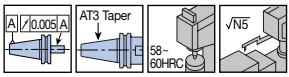


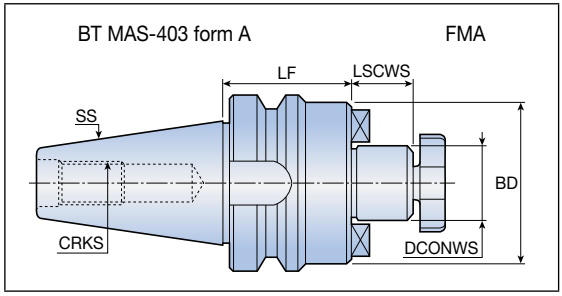
▸ Wrench not included

BT-FMA

Face mill arbors(Type inch)







Designation		Dimension (mm)						
		SS	DCONWS	BD	LF	LSCWS	CRKS	Mounting screw
BT40	**FMA 25.4-90L**	40	25.4	50	90	22	M16	MBA M12
	FMA 31.75-75L	40	31.75	60	75	30	M16	MBA M16
	FMA 38.1-60L	40	38.1	78	60	34	M16	MBA M20
BT50	**FMA 25.4-45L**	50	25.4	50	45	22	M24	MBA M12
	FMA 25.4-90L	50	25.4	50	90	22	M24	MBA M12
	FMA 25.4-150L	50	25.4	50	150	22	M24	MBA M12
	FMA 31.75-45L	50	31.75	60	45	30	M24	MBA M16
	FMA 38.1-45L	50	38.1	80	45	34	M24	MBA M20
	FMA 38.1-75L	50	38.1	80	75	34	M24	MBA M20
	FMA 47.625-75L	50	47.625	128	75	38	M24	SH M16x2x40
	FMA 50.8-45L	50	50.8	98	45	36	M24	MBA M24
	FMA 50.8-75L	50	50.8	98	75	36	M24	MBA M24

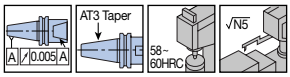

G177-G179

G181

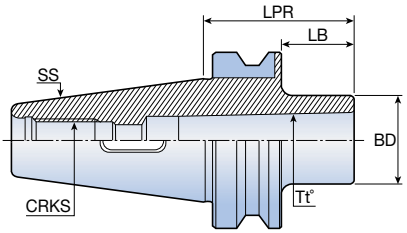
BT-MT

Morse taper adapters





BT MAS-403 form A DIN6383 / DIN228-2 form D



Designation	Dimension (mm)					
	SS	Tt°	BD	LPR	LB	CRKS
BT30 MT 2x60	30	MT2	32	60	38	M12
BT40 MT 1x45	40	MT1	25	45	25	M16
MT 1x120	40	MT1	25	120	25	M16
MT 2x60	40	MT2	32	60	32	M16
MT 2x120	40	MT2	32	120	32	M16
MT 3x75	40	MT3	40	75	40	M16
MT 3x139	40	MT3	40	139	40	M16
MT 4x95	40	MT4	50	95	50	M16
BT50 MT 1x45	50	MT1	25	45	7	M24
MT 1x120	50	MT1	25	120	82	M24
MT 2x45	50	MT2	32	45	7	M24
MT 2x135	50	MT2	32	135	97	M24
MT 2x180	50	MT2	32	180	142	M24
MT 3x45	50	MT3	40	45	7	M24
MT 3x150	50	MT3	40	150	112	M24
MT 3x180	50	MT3	40	180	142	M24
MT 4x75	50	MT4	50	75	37	M24
MT 4x180	50	MT4	50	180	142	M24
MT 5x105	50	MT5	70	105	67	M24

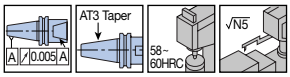


G177-G179

BT-MT-DRW

Morse taper adapters





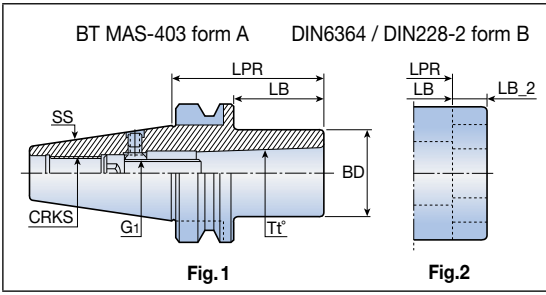


Fig.1 **Fig.2**

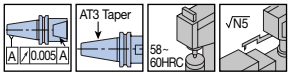
Designation		Dimension (mm)								Fig.
		SS	Tt°	BD	LPR	LB	LB_2	CRKS	G1	
BT40	**MT1 DRW**	40	MT1	25	50	23	-	M16	M6	1
	MT2 DRW	40	MT2	32	50	23	-	M16	M10	1
	MT3 DRW	40	MT3	40	70	43	-	M16	M12	1
	MT4 DRW(1)	40	MT4	63	95	68	15	M16	M16	2
BT50	**MT1 DRW**	50	MT1	25	45	7	-	M24	M6	1
	MT2 DRW	50	MT2	32	60	22	-	M24	M10	1
	MT3 DRW	50	MT3	40	65	27	-	M24	M12	1
	MT4 DRW(1)	50	MT4	63	70	32	15	M24	M16	2
	MT5 DRW(1)	50	MT5	78	100	62	18	M24	M20	2

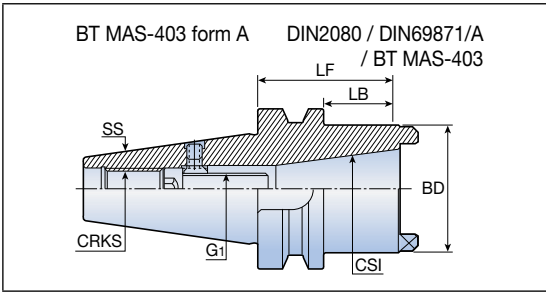
▸ (1) DIN2201

BT-AD

Adapters







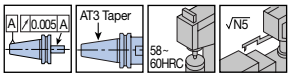
Designation		Dimension (mm)						
		SS	CSI	BD	LF	LB	CRKS	G1
BT50	**AD 40**	50	DIN 2080	63	75	32	M24	M16
	AD BT/SK 40	50	DIN 69871/A, BT MAS	66	75	37	M24	M16

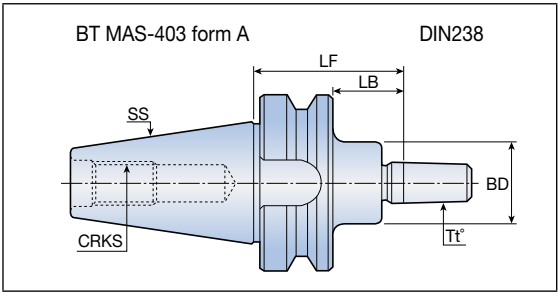
G177-G179

BT-DC

Drill chuck arbors - Jacobs taper arbors







Designation		Dimension (mm)					
		SS	Tt°	BD	LF	LB	CRKS
BT40	**DC B12x45**	40	B12	24	45	18.0	M16
	DC B12x90	40	B12	24	90	63.0	M16
	DC B16x45	40	B16	30	45	18.0	M16
	DC B16x90	40	B16	30	90	63.0	M16
BT50	**DC B12x45**	50	B12	-	45	6.7	M24
	DC B18x45	50	B18	-	45	7.0	M24

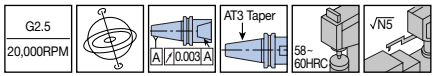


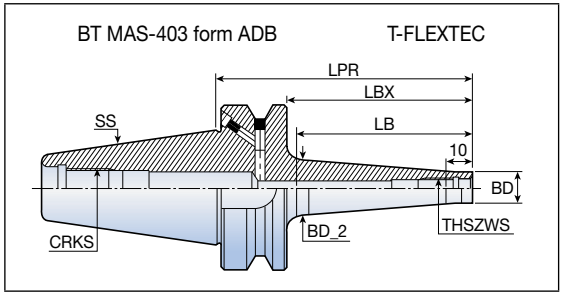
▸ Drill chuck not included

BT-ODP

T-FLEXTEC holders







Designation		Dimension (mm)							
		SS	THSZWS	BD	BD_2	LPR	LBX	LB	CRKS
BT40	**ODP 6x66**	40	M06	9.8	13.0	66	39	30	M16
	ODP 6x106	40	M06	9.8	23.0	106	79	70	M16
	ODP 8x66	40	M08	13.0	15.0	66	39	30	M16
	ODP 10x66	40	M10	18.0	20.0	66	39	30	M16
	ODP 10x106	40	M10	18.0	28.0	106	79	70	M16
	ODP 12x66	40	M12	21.0	24.0	66	39	30	M16
	ODP 12x106	40	M12	21.0	31.0	106	79	70	M16
	ODP 16x66	40	M16	29.0	28.6	66	39	35	M16
	ODP 16x106	40	M16	29.0	34.0	106	79	70	M16
BT50	**ODP 12x94**(1)	50	M12	23.0	30.0	94	56	50	M24
	ODP 12x144(1)	50	M12	23.0	40.0	144	106	100	M24
	ODP 12x194(1)	50	M12	23.0	40.0	194	156	150	M24
	ODP 16x94(1)	50	M16	29.0	34.0	94	56	50	M24
	ODP 16x144(1)	50	M16	29.0	40.0	144	106	100	M24
	ODP 16x194(1)	50	M16	29.0	55.0	194	156	150	M24
	ODP 16x244(1)	50	M16	29.0	55.0	244	206	200	M24

G177-G179

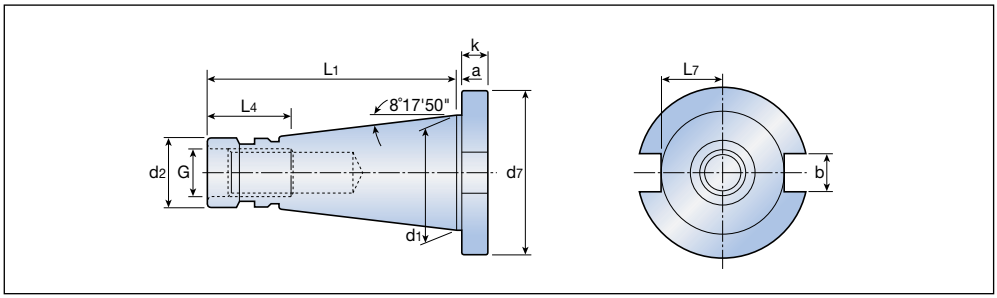
- If the “B type” option is required, the plug screw must be removed from the flange cooling hole (Use a 2mm hex key)
- (1) Balance to G6.3 at 12,000RPM

DIN2080



DIN2080

Standard toolholder



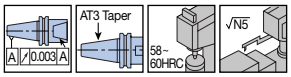
Shank	a ±0.2	b (H12)	d1	d2	G	d7	K ±0.15	L1	L4	L7max	Taper AT3
30	1.6	16.1	31.75	17.4	M12	50.0	8	68.4	24	16.2	0.002
40	1.6	16.1	44.45	25.3	M16	63.0	10	93.4	32	22.5	0.003
50	3.2	25.7	69.85	39.6	M24	97.5	12	126.8	47	35.3	0.004

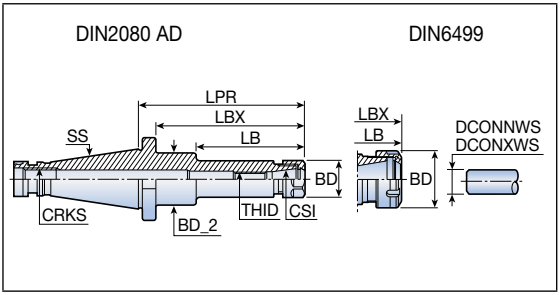
▸ For non-stock items: Supply condition is subject to availability.
If not available in stock then MOQ (Minimum order qty) will be applicable.

DIN2080-ER

ER collet chucks







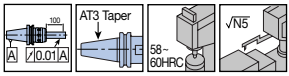
Designation		Dimension (mm)										
		SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
DIN2080 30	**ER 32x55**	30	ER32	2.0	20.0	50	-	55	45.4	-	M12	M18x1.5
	ER 40x83	30	ER40	3.0	26.0	63	-	83	69.4	-	M12	M22x1.5
DIN2080 40	**ER 16x63**	40	ER16	0.5	10.0	28	-	63	51.4	-	M16	M12
	ER 16x100	40	ER16	0.5	10.0	28	-	100	88.4	-	M16	M12
	ER 20x100	40	ER20	1.0	13.0	34	-	100	88.4	-	M16	M12
	ER 25x50	40	ER25	1.0	16.0	42	-	50	38.4	-	M16	M16x1.5
	ER 32x50	40	ER32	2.0	20.0	50	-	50	38.4	-	M16	M22x1.5
	ER 40x55	40	ER40	3.0	26.0	63	-	55	43.4	-	M16	M22x1.5
DIN2080 50	**ER 20x100**	50	ER20	1.0	13.0	34	-	100	84.8	-	M24	M16
	ER 20x160	50	ER20	1.0	13.0	34	-	160	144.8	-	M24	M12
	ER 40x58	50	ER40	3.0	26.0	63	-	58	42.8	-	M24	M28x1.5
	ER 50x63	50	ER50	10.0	34.0	78	-	63	47.8	-	M24	M36x1.5

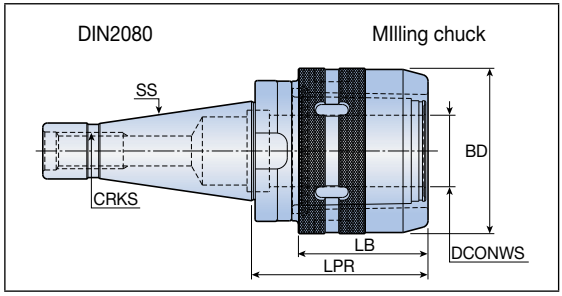
G151-G159 G176-G177 G180 G183

DIN2080-NTMC

Milling chucks







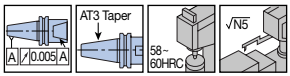
Designation		Dimension (mm)					
		SS	DCONWS	BD	LPR	LB	CRKS
DIN2080 40	**NTMC 25-70**	40	25	62	70	52.5	M16
	NTMC 32-75	40	32	72	75	57.5	M16
DIN2080 50	**NTMC 32-90**	50	32	74	90	71.8	M24
	NTMC 42-90	50	42	94	90	67	M24

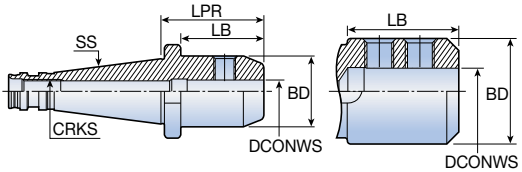
G164-G166 G183 G196

DIN2080-EM

End mill holders







For DCONWS ≥ 25

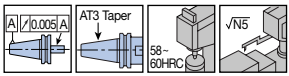
Designation		Dimension (mm)					
		SS	DCONWS	BD	LPR	LB	CRKS
DIN2080 30	**EM 6x40**	30	6	25	40	30.4	M12
	EM 8x40	30	8	28	40	30.4	M12
	EM 10x40	30	10	35	40	30.4	M12
DIN2080 40	**EM 8x50**	40	8	28	50	38.4	M16
	EM 10x50	40	10	35	50	38.4	M16
	EM 12x50	40	12	42	50	38.4	M16
	EM 20x63	40	20	52	63	51.4	M16
	EM 25x80	40	25	65	80	68.4	M16
	EM 32x80	40	32	72	80	68.4	M16
DIN2080 50	**EM 10x63**	50	10	35	63	47.8	M24
	EM 12x63	50	12	42	63	47.8	M24
	EM 16x63	50	16	48	63	47.8	M24
	EM 25x80	50	25	65	80	64.8	M24
	EM 32x80	50	32	72	80	64.8	M24
	EM 40x90	50	40	90	90	74.8	M24
	EM 50x100	50	50	100	100	84.8	M24

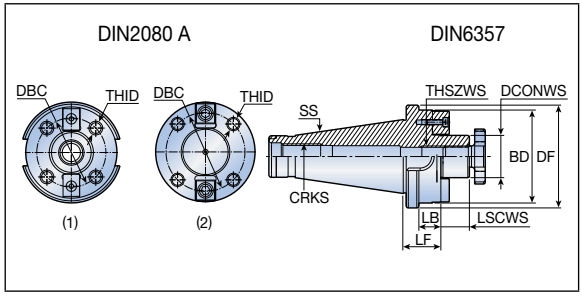


DIN2080-FM

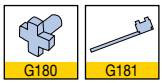
Face mill arbors







Designation		Dimension (mm)										
		SS	DCONWS	DF	BD	DBC	LF	LB	LSCWS	CRKS	THSZWS	THID
DIN2080 50	**FM40**[1]	50	40	97.3	88	66.7	36.0	20.8	27	M24	M20	M12
	FM60[2]	50	60	128.0	-	101.6	35.8	-	40	M24	-	M16

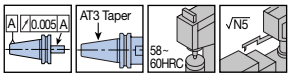


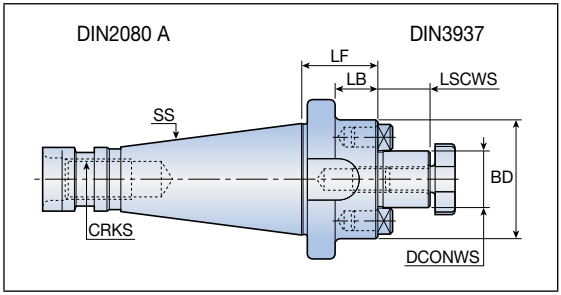
- Wrench not included
- [1] Form AD
- [2] Form A

DIN2080-SEM

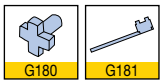
Shell end mill arbors







Designation	Dimension (mm)						
	SS	DCONWS	BD	LF	LB	LSCWS	CRKS
DIN2080 30 SEM 22x28	30	22	47	28	18.4	19	M12
DIN2080 40 SEM 16x28	40	16	38	28	16.4	17	M16
SEM 22x27	40	22	47	27	15.4	19	M16
SEM 27x26	40	27	58	26	14.4	21	M16
SEM 32x23	40	32	66	23	11.4	24	M16
SEM 40x34	40	40	82	34	22.4	27	M16
DIN2080 50 SEM 16x38	50	16	38	38	22.8	17	M24
SEM 22x38	50	22	47	38	22.8	19	M24
SEM 27x38	50	27	58	38	22.8	21	M24
SEM 32x36	50	32	66	36	20.8	24	M24
SEM 40x40	50	40	82	40	24.8	27	M24

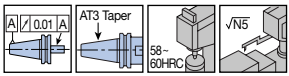


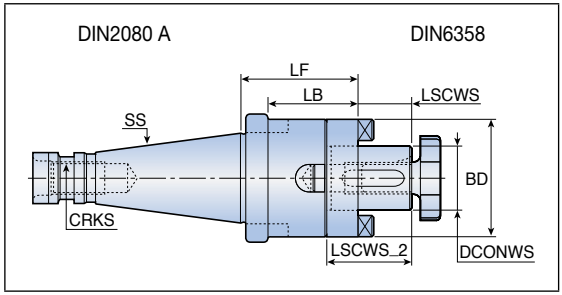
▸ Wrench not included

DIN2080-SEMC

Combi shell end mill arbors







Designation	Dimension (mm)							
	SS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2	CRKS
DIN2080 30 SEMC 16x35	30	16	32	35	25.4	17	27	M12
DIN2080 40 SEMC 22x52	40	22	40	52	40.4	19	31	M16
SEMC 27x52	40	27	48	52	40.4	21	33	M16
SEMC 32x52	40	32	58	52	40.4	24	38	M16
SEMC 40x52	40	40	70	52	40.4	27	41	M16
DIN2080 50 SEMC 16x55	50	16	32	55	39.8	17	27	M24
SEMC 22x55	50	22	40	55	39.8	19	31	M24
SEMC 27x55	50	27	48	55	39.8	21	33	M24
SEMC 32x55	50	32	58	55	39.8	24	38	M24
SEMC 50x55	50	50	90	55	39.8	30	46	M24

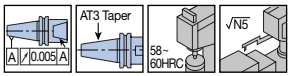


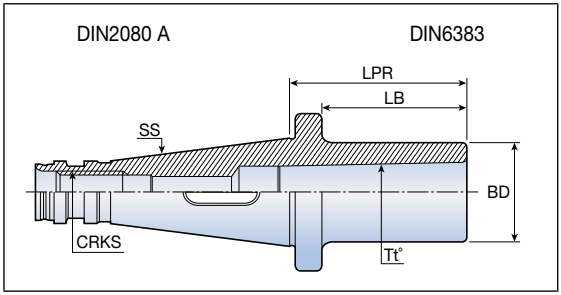
▸ Wrench not included

DIN2080-MT

Morse taper adapters





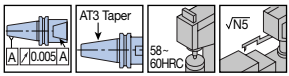


Designation		Dimension (mm)					
		SS	Tt°	BD	LPR	LB	CRKS
DIN2080 40	**MT 3x65**	40	MT3	40	65	53.4	M16
	MT 4x95	40	MT4	48	95	83.4	M16
DIN2080 50	**MT 3x65**	50	MT3	40	65	49.8	M24
	MT 4x70	50	MT4	48	70	54.8	M24
	MT 5x105	50	MT5	63	105	89.2	M24

DIN2080-MT-DRW

Morse taper draw bar adapters





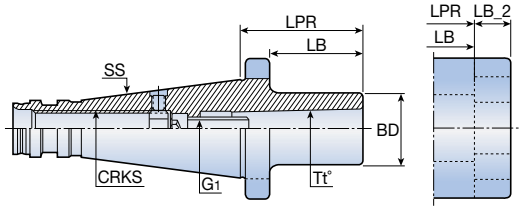


Fig.1 **Fig.2**

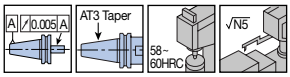
Designation	Dimension (mm)								Fig.
	SS	Tt°	BD	LPR	LB	LB_2	G1	CRKS	
DIN2080 50 MT2 DRW	50	MT2	32	60	44.8	-	M10	M24	1
MT4 DRW	50	MT4	63	80	49.8	15	M16	M24	2
MT5 DRW	50	MT5	78	100	84.4	18	M20	M24	2

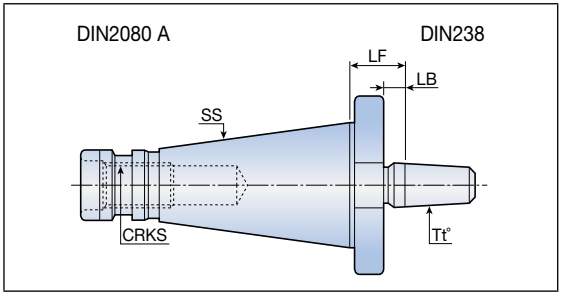
▸ MT4 & MT5: DIN2201

DIN2080-DC

Drill chuck arbors - Jacobs taper arbors







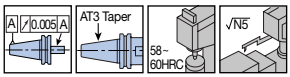
Designation	Dimension (mm)				
	SS	Tt°	LF	LB	CRKS
DIN2080 40 DC B16x22	40	B16	22	10.4	M16

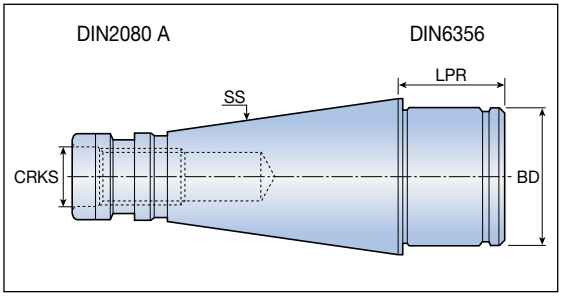
▸ Drill chuck not included

DIN2080-CP

Centering plug







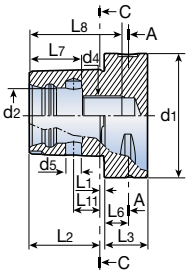
Designation	Dimension (mm)			
	SS	BD	LPR	CRKS
DIN2080 50 CP 60	50	60	39	M24

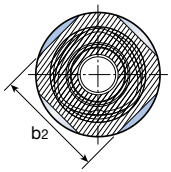
CADAPTER



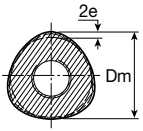
C-ADAPTER ISO 26623-1

Standard toolholder





A-A



C-C

C-ADAPTER	b2	d1 ±0.1	d2	d4	d5 ±0.1	Dm	e
C3	28.3	32	15	M12x1.5	3.6	22	0.70
C4	35.3	40	18	M14x1.5	4.6	28	0.90
C5	44.4	50	21	M16x1.5	6.1	35	1.12
C6	55.8	63	28	M20x2	8.1	44	1.40
C8	71.1	80	32	M20x2	9.1	55	2.00

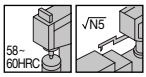
C-ADAPTER	L1	L2 ±0.1	L3min	L6 ±0.15	L7 ±0.15	L8min	L11 ±0.1
C3	2.5	19	15	6	13	25	8.0
C4	2.5	24	20	8	15	30	11.5
C5	3.0	30	20	10	20	37	14.0
C6	3.0	38	22	12	27	47	15.5
C8	3.0	48	30	12	28	48	25.0

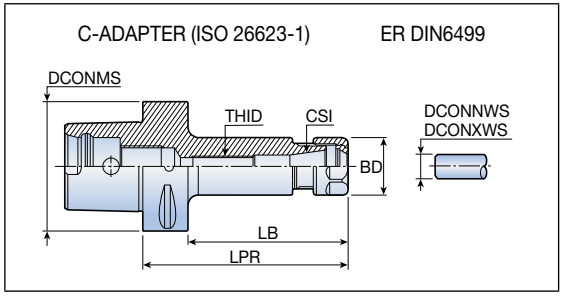
▸ For non-stock items: Supply condition is subject to availability.
If not available in stock then MOQ (Minimum order qty) will be applicable.

C-ER

ER collet chucks







	Designation	Dimension (mm)							
		DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	THID
C4	ER 16x70	40	ER16	1.0	10.0	28	70	50	M10
	ER 20x35[(1)]	40	ER20	1.0	13.0	34	35	27	-
	ER 20x52	40	ER20	1.0	13.0	34	52	32	-
	ER 25x38[(1)]	40	ER25	1.0	16.0	42	38	30	-
	ER 25x52	40	ER25	1.0	16.0	42	52	32	-
	ER 32x54	40	ER32	2.0	20.0	50	54	34	-
C5	ER 16x100	50	ER16	1.0	10.0	28	100	80	M10
	ER 16x130	50	ER16	1.0	10.0	28	130	110	M10
	ER 20x055	50	ER20	1.0	13.0	34	55	35	-
	ER 20x100	50	ER20	1.0	13.0	34	100	80	M12
	ER 20x130	50	ER20	1.0	13.0	34	130	110	M12
	ER 25x055	50	ER25	1.0	16.0	42	55	35	-
	ER 25x100	50	ER25	1.0	16.0	42	100	80	M16
	ER 32x057	50	ER32	2.0	20.0	50	57	36	-
	ER 32x100	50	ER32	2.0	20.0	50	100	80	M22x1.5
C6	ER 16x100	63	ER16	1.0	10.0	28	100	78	M10
	ER 16x130	63	ER16	1.0	10.0	28	130	108	M10
	ER 16x160	63	ER16	1.0	10.0	28	160	138	M10
	ER 20x060	63	ER20	1.0	13.0	34	60	38	-
	ER 20x100	63	ER20	1.0	13.0	34	100	78	M12
	ER 20x130	63	ER20	1.0	13.0	34	130	108	M12
	ER 20x160	63	ER20	1.0	13.0	34	160	138	M12
	ER 25x060	63	ER25	1.0	16.0	42	60	38	-
	ER 25x100	63	ER25	1.0	16.0	42	100	78	M16
	ER 25x130	63	ER25	1.0	16.0	42	130	108	M16
	ER 25x160	63	ER25	1.0	16.0	42	160	138	M16
	ER 32x060	63	ER32	2.0	20.0	50	60	36	-
	ER 32x100	63	ER32	2.0	20.0	50	100	78	M22x1.5
	ER 32x130	63	ER32	2.0	20.0	50	130	108	M22x1.5
	ER 32x160	63	ER32	2.0	20.0	50	160	138	M22x1.5
	ER 40x065	63	ER40	3.0	26.0	63	65	37	-
	ER 40x100	63	ER40	3.0	26.0	63	100	78	M28x1.5
	ER 40x130	63	ER40	3.0	26.0	63	130	108	M28x1.5

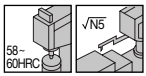
▸ [(1)] Without V grooves, for manual use only

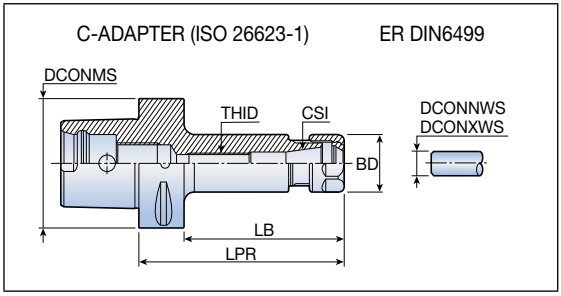
G151-G159 G176-G177 G180 G183

C-ER

ER collet chucks





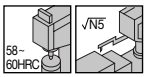


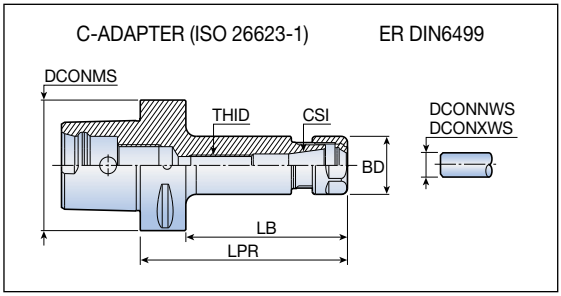
Designation	Dimension (mm)							
	DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	THID
C8 **ER 32x70**	80	ER32	2.0	20.0	50	70	40	-
ER 32x100	80	ER32	2.0	20.0	50	100	70	M22x1.5
ER 32x160	80	ER32	2.0	20.0	50	160	130	M22x1.5
ER 40x70	80	ER40	3.0	26.0	63	70	40	-
ER 40x100	80	ER40	3.0	26.0	63	100	70	M28x1.5
ER 40x160	80	ER40	3.0	26.0	63	160	130	M28x1.5

C-ER-M

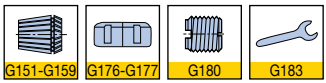
ER mini collet chucks







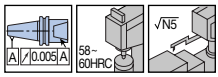
Designation	Dimension (mm)							
	DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	THID
C4 **ER 16x70 M**	40	ER16	0.5	10.0	22	70	50	M10
C5 **ER 16x100 M**	50	ER16	0.5	10.0	22	100	80	M10
ER 16x130 M	50	ER16	0.5	10.0	22	130	120	M10
C6 **ER 16x100 M**	63	ER16	0.5	10.0	22	100	78	M10
ER 16x130 M	63	ER16	0.5	10.0	22	130	108	M10
ER 16x160 M	63	ER16	0.5	10.0	22	160	138	M10

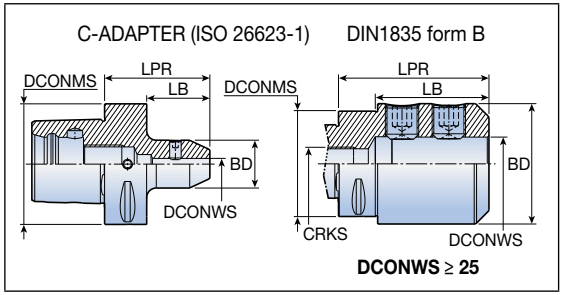


C-EM

End mill holders







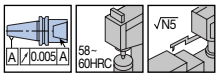
Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LPR	LB	CRKS
C4	**EM 6x50**	40	6	25	50	30	M14
	EM 8x50	40	8	28	50	30	M14
	EM 10x50	40	10	35	50	30	M14
	EM 12x55	40	12	42	55	35	M14
	EM 14x55	40	14	44	55	35	M14
	EM 16x60	40	16	48	60	40	M14
C5	**EM 6x50**	50	6	25	50	30	M16
	EM 8x50	50	8	28	50	30	M16
	EM 10x55	50	10	35	55	35	M16
	EM 12x60	50	12	42	60	40	M16
	EM 16x60	50	16	48	60	40	M16
	EM 18x60	50	18	50	60	40	M16
	EM 20x60	50	20	52	60	40	M16
	EM 25x85	50	25	65	85	65	M16
C6	**EM 6x55**	63	6	25	55	33	M20
	EM 8x55	63	8	28	55	33	M20
	EM 10x60	63	10	35	60	38	M20
	EM 12x60	63	12	42	60	38	M20
	EM 14x60	63	14	44	60	38	M20
	EM 16x65	63	16	48	65	43	M20
	EM 18x65	63	18	50	65	43	M20
	EM 20x65	63	20	52	65	43	M20
	EM 25x80	63	25	65	80	58	M20
	EM 32x90	63	32	72	90	68	M20
	EM 40x100	63	40	90	100	78	M20

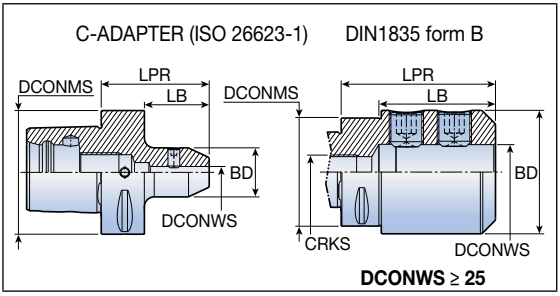


C-EM

End mill holders







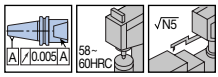
Designation	Dimension (mm)					
	DCONMS	DCONWS	BD	LPR	LB	CRKS
C8 **EM 6x70**	80	6	25	70	40	M20
EM 8x70	80	8	28	70	40	M20
EM 10x70	80	10	35	70	40	M20
EM 12x70	80	12	42	70	40	M20
EM 14x70	80	14	44	70	40	M20
EM 16x70	80	16	48	70	40	M20
EM 20x70	80	20	52	70	40	M20
EM 25x90	80	25	65	90	60	M20
EM 32x95	80	32	72	95	65	M20
EM 40x110	80	40	90	110	80	M20
EM 50x120	80	50	98	120	90	M20

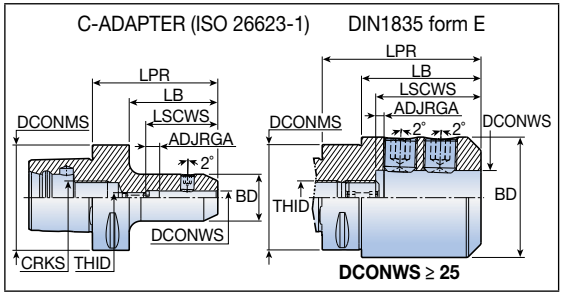


C-EM-E

End mill holders - Whistle notch type







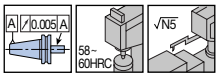
Designation	Dimension (mm)								
	DCONMS	DCONWS	BD	LPR	LB	ADJRGA	LSCWS	CRKS	THID
C4 EM 8x70 E	40	8	28	70	50	8	43	M14	M6
C5 EM 10x70 E	50	10	35	70	50	6	45	M16	M8
EM 12x75 E	50	12	42	75	55	5	49	M16	M10
EM 14x75 E	50	14	44	75	55	5	49	M16	M10
EM 16x80 E	50	16	48	80	60	5	52	M16	M12
EM 18x80 E	50	18	50	80	60	5	52	M16	M12
EM 20x85 E	50	20	52	85	65	6	55	M16	M16
C6 EM 6x75 E	63	6	25	75	53	6	36	M20	M5
EM 8x75 E	63	8	28	75	53	8	43	M20	M6
EM 10x75 E	63	10	35	75	53	7	46	M20	M8
EM 12x80 E	63	12	42	80	58	5	49	M20	M10
EM 14x80 E	63	14	44	80	58	5	49	M20	M10
EM 16x85 E	63	16	48	85	63	5	52	M20	M12
EM 20x85 E	63	20	52	85	63	6	55	M20	M16
EM 25x90 E	63	25	65	90	68	6	60	M20	M20
EM 32x95 E	63	32	72	95	73	5	63	M20	M20
C8 EM 8x65 E	80	8	28	65	35	8	43	M20	M6
EM 10x65 E	80	10	35	65	35	7	46	M20	M8
EM 12x70 E	80	12	42	70	40	5	49	M20	M10
EM 14x70 E	80	14	44	70	40	5	49	M20	M10
EM 16x75 E	80	16	48	75	45	5	52	M20	M12
EM 18x75 E	80	18	50	75	45	5	52	M20	M12
EM 20x80 E	80	20	52	80	50	8	57	M20	M16
EM 25x90 E	80	25	65	90	60	6	60	M20	M20
EM 32x95 E	80	32	72	95	65	6	64	M20	M20

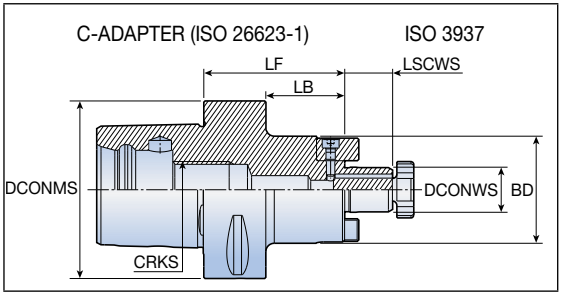


C-SEM-C

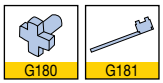
Face mill arbors







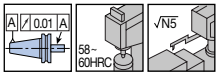
Designation	Dimension (mm)						
	DCONMS	DCONWS	BD	LF	LB	LSCWS	CRKS
C4 SEM 16x32 C	40	16	38	32	12	17	M14
SEM 16x55 C	40	16	38	55	35	17	M14
SEM 22x40 C	40	22	47	40	20	19	M14
SEM 22x55 C	40	22	47	55	35	19	M14
C5 SEM 16x35 C	50	16	38	35	15	17	M16
SEM 16x70 C	50	16	38	70	50	17	M16
SEM 22x35 C	50	22	47	35	15	19	M16
SEM 22x70 C	50	22	47	70	50	19	M16
SEM 27x40 C	50	27	58	40	20	21	M16
SEM 32x40 C	50	32	63	40	20	24	M16
C6 SEM 16x50 C	63	16	38	50	28	17	M20
SEM 16x100 C	63	16	38	100	78	17	M20
SEM 22x50 C	63	22	47	50	28	19	M20
SEM 22x100 C	63	22	47	100	78	19	M20
SEM 27x60 C	63	27	58	60	38	21	M20
SEM 27x100 C	63	27	58	100	78	21	M20
SEM 32x60 C	63	32	66	60	38	24	M20
SEM 40x60 C	63	40	82	60	38	27	M20
C8 SEM 16x50 C	80	16	38	50	20	17	M20
SEM 16x100 C	80	16	38	100	70	17	M20
SEM 22x50 C	80	22	47	50	20	19	M20
SEM 22x100 C	80	22	47	100	70	19	M20
SEM 27x50 C	80	27	58	50	20	21	M20
SEM 27x100 C	80	27	58	100	70	21	M20
SEM 32x50 C	80	32	66	50	20	24	M20
SEM 32x100 C	80	32	66	100	70	24	M20
SEM 40x60 C	80	40	82	60	30	27	M20

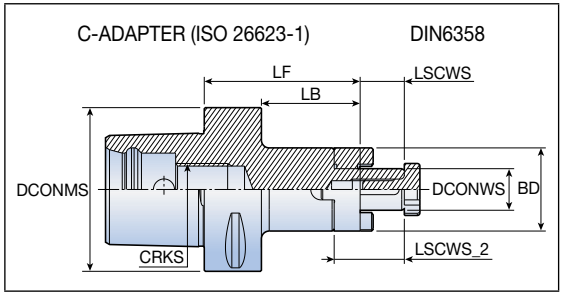


C-SEMC

Combi shell mill arbors







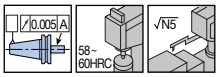
	Designation	Dimension (mm)							
		DCONMS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2	CRKS
C4	**SEMC 16x45**	40	16	32	45	25	17	27	M14
	SEMC 22x45	40	22	40	45	25	19	31	M14
C5	**SEMC 16x55**	50	16	32	55	35	17	27	M16
	SEMC 22x65	50	22	40	65	45	19	31	M16
	SEMC 27x85	50	27	48	85	65	21	33	M16
C6	**SEMC 16x60**	63	16	32	60	38	17	27	M20
	SEMC 16x100	63	16	32	100	78	17	27	M20
	SEMC 22x60	63	22	40	60	38	19	31	M20
	SEMC 22x100	63	22	40	100	78	19	31	M20
	SEMC 27x60	63	27	48	60	38	21	33	M20
	SEMC 27x100	63	27	48	100	78	21	33	M20
	SEMC 32x60	63	32	58	60	38	24	38	M20
	SEMC 40x70	63	40	70	70	48	27	41	M20

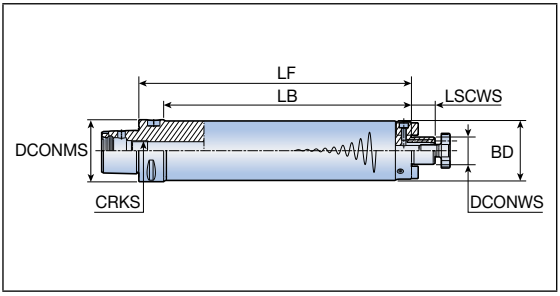
G180 G181 G182

AV C*-SEM

Anti-vibration face mill arbors with coolant holes and C-ADAPTER ISO 26623-1 taper shanks





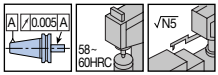


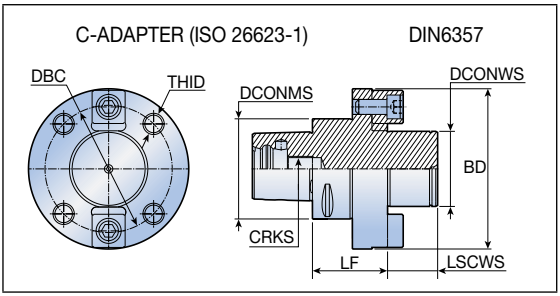
Designation	Dimension (mm)						
	DCONMS	DCONWS	BD	LF	LB	LSCWS	CRKS
AV C5 SEM22 48X220	50	22	48	220	200	19	M16
C5 SEM22 48X270	50	22	48	270	250	19	M16
C6 SEM22 48X270	63	22	48	270	248	19	M20
C6 SEM22 61X260	63	22	61	260	238	19	M20
C6 SEM22 61X310	63	22	61	310	288	19	M20
C6 SEM27 61X250	63	27	61	250	228	21	M20
C6 SEM27 61X300	63	27	61	300	278	21	M20

C-FM

Face mill arbors







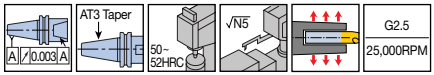
Designation	Dimension (mm)							
	DCONMS	DCONWS	BD	DBC	LF	LSCWS	CRKS	THID
C8 FM 60x60	80	60	128	101.6	20	40	M20	M16



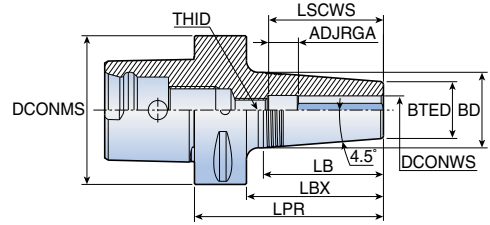
C-SRKIN-CX

CX coolant type thermal shrinking chucks





C-ADAPTER (ISO 26623-1) T-SHRINK



	Designation	Dimension (mm)										
		DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Hex key
C6	**SRKIN 6x80 CX**	63	6	21	27	80	58	38.1	10	34	M5	2.5
	SRKIN 8x80 CX	63	8	21	27	80	58	38.1	10	34	M6	3.0
	SRKIN 10x80 CX	63	10	24	32	80	58	50.8	9	40	M8	4.0
	SRKIN 12x80 CX	63	12	24	32	80	58	50.8	9	45	M10	5.0
	SRKIN 14x85 CX	63	14	27	34	85	63	44.5	9	45	M10	5.0
	SRKIN 16x85 CX	63	16	27	34	85	63	44.5	9	48	M12	6.0
	SRKIN 18x85 CX	63	18	33	42	85	63	57.2	9	48	M12	6.0
	SRKIN 20x85 CX	63	20	33	42	85	63	57.2	9	49	M16	8.0
	SRKIN 25x90 CX	63	25	44	53	90	68	57.2	9	55	M16	8.0
	SRKIN 32x95 CX	63	32	44	53	95	73	57.2	9	59	M16	8.0
C8	**SRKIN 6x90 CX**	80	6	21	27	90	60	38.1	9	34	M5	2.5
	SRKIN 8x90 CX	80	8	21	27	90	60	38.1	10	34	M6	3.0
	SRKIN 10x90 CX	80	10	24	32	90	60	50.8	9	40	M8	4.0
	SRKIN 12x90 CX	80	12	24	32	90	60	50.8	9	45	M10	5.0
	SRKIN 12x120 CX	80	12	24	32	120	90	50.8	9	45	M10	5.0
	SRKIN 12x160 CX	80	12	24	32	160	130	50.8	9	45	M10	5.0
	SRKIN 16x95 CX	80	16	27	34	95	65	44.5	9	48	M12	6.0
	SRKIN 16x120 CX	80	16	27	34	120	90	44.5	9	48	M12	6.0
	SRKIN 16x160 CX	80	16	27	34	160	130	44.5	9	48	M12	6.0
	SRKIN 20x95 CX	80	20	33	42	95	65	57.2	9	49	M16	8.0
	SRKIN 25x100 CX	80	25	44	53	100	70	57.2	9	55	M16	8.0
	SRKIN 32x115 CX	80	32	44	53	115	85	57.2	9	59	M16	8.0

G188-G190 G199

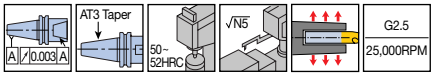
▸ Only use inductive heating device for T-SHRINK holders

C-SRKIN

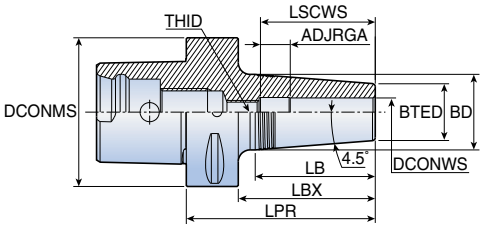
T-SHRINK

Thermal shrinking chucks





C-ADAPTER (ISO 26623-1) T-SHRINK



Designation	Dimension (mm)										
	DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Hex key
C4 SRKIN 6x75	40	6	21	27	75	55	38.1	11	36	M5	2.5
SRKIN 8x75	40	8	21	27	75	55	38.1	11	36	M6	3.0
SRKIN 10x75	40	10	24	32	75	55	50.8	11	42	M8	4.0
SRKIN 12x75	40	12	24	32	75	55	50.8	11	47	M10	5.0
SRKIN 14x80	40	14	27	34	80	60	44.5	11	47	M10	5.0
SRKIN 16x80	40	16	27	34	80	60	44.5	11	50	M12	6.0
SRKIN 18x80	40	18	33	42	80	60	57.2	11	50	M12	6.0
SRKIN 20x85	40	20	33	42	85	65	57.2	11	52	M16	8.0
C5 SRKIN 6x75	50	6	21	27	75	55	38.1	11	36	M5	2.5
SRKIN 8x75	50	8	21	27	75	55	38.1	11	36	M6	3.0
SRKIN 10x75	50	10	24	32	75	55	50.8	11	42	M8	4.0
SRKIN 12x75	50	12	24	32	75	55	50.8	11	47	M10	5.0
SRKIN 14x80	50	14	27	34	80	60	44.5	11	47	M10	5.0
SRKIN 16x80	50	16	27	34	80	60	44.5	11	50	M12	6.0
SRKIN 18x80	50	18	33	42	80	60	57.2	11	50	M12	6.0
SRKIN 20x85	50	20	33	42	85	65	57.2	11	52	M16	8.0
SRKIN 25x90	50	25	44	53	90	70	57.2	11	58	M16	8.0
C6 SRKIN 6x80	63	6	21	27	80	58	38.1	11	36	M5	2.5
SRKIN 8x80	63	8	21	27	80	58	38.1	11	36	M6	3.0
SRKIN 10x80	63	10	24	32	80	58	50.8	11	42	M8	4.0
SRKIN 12x80	63	12	24	32	80	58	50.8	11	47	M10	5.0
SRKIN 14x85	63	14	27	34	85	63	44.5	11	47	M10	5.0
SRKIN 16x85	63	16	27	34	85	63	44.5	11	50	M12	6.0
SRKIN 18x85	63	18	33	42	85	63	57.2	11	50	M12	6.0
SRKIN 20x85	63	20	33	42	85	63	57.2	11	52	M16	8.0
SRKIN 25x90	63	25	44	53	90	68	57.2	11	58	M16	8.0
SRKIN 32x95	63	32	44	53	95	73	57.2	11	58	M16	8.0

G188-G190 G199

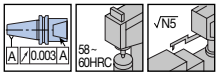
▸ Only use inductive heating device for T-SHRINK holders

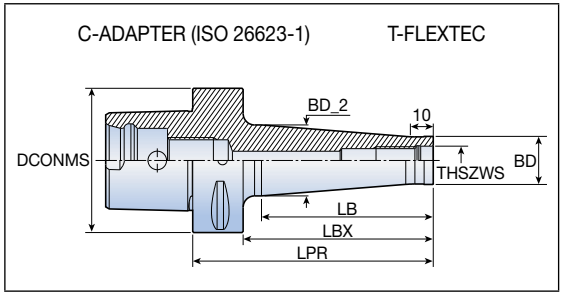
TaeguTec

C-ODP

T-FLEXTEC holders





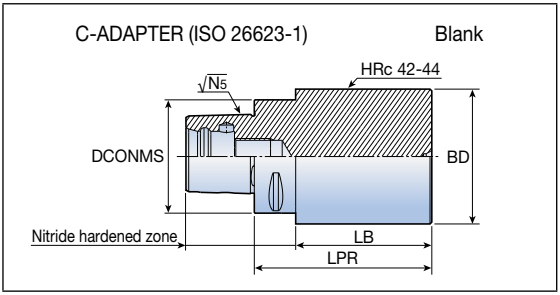


Designation	Dimension (mm)						
	DCONMS	THSZWS	BD	BD_2	LPR	LBX	LB
C4 ODP 10x53	40	M10	18	23.0	53	33	23
ODP 12x53	40	M12	21	26.0	53	33	23
ODP 16x53	40	M16	29	34.0	53	33	23
C5 ODP 10x53	50	M10	18	19.5	53	33	25
ODP 12x53	50	M12	21	23.5	53	33	25
ODP 12x103	50	M12	21	31.0	103	83	75
ODP 16x53	50	M16	29	29.5	53	33	25
ODP 16x103	50	M16	29	36.0	103	83	75
C6 ODP 10x55	63	M10	18	19.5	55	33	25
ODP 10x105	63	M10	18	28.0	105	83	75
ODP 10x130	63	M10	18	32.0	130	108	100
ODP 12x55	63	M12	21	23.5	55	33	25
ODP 12x105	63	M12	21	31.0	105	83	75
ODP 12x130	63	M12	21	36.0	130	108	100
ODP 16x55	63	M16	29	34.0	55	33	25
ODP 16x105	63	M16	29	34.0	105	83	75
ODP 16x130	63	M16	29	41.0	130	108	100

C-B4340

Blank





Designation	Dimension (mm)			
	DCONWS	BD	LPR	LB
C4 B4340 040095	40	40	95	75
B4340 060165	40	60	165	144
B4340 080075	40	80	75	54
B4340 100085	40	100	85	64
C5 B4340 050125	50	50	125	105
B4340 075175	50	75	175	154
B4340 090080	50	90	80	59
B4340 110090	50	110	90	69
C6 B4340 075195	63	75	195	172
B4340 110085	63	110	85	62
B4340 130095	63	130	95	72
B4340 120180	63	120	180	157
C8 B4340 080200	80	80	200	170
B4340 120160	80	120	160	129
B4340 130090	80	130	90	59
B4340 145200	80	145	200	169

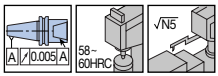
Straight & Morse Taper Shank



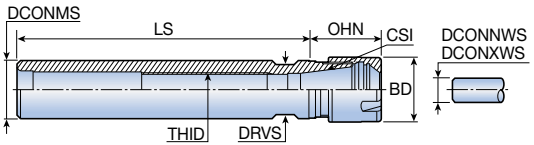
ST-ER-M

ER mini collet chucks





Straight shank DIN6499



Designation	Dimension (mm)								
	DCONMS	CSI	DCONNWS	DCONXWS	BD	OHN	LS	THID	DRVS
ST 12x80 ER11 M	12	ER11	0.5	7.0	16	26.5	80	-	11
16x100 ER11 M	16	ER11	0.5	7.0	16	18.5	100	M8	13
16x150 ER11 M	16	ER11	0.5	7.0	16	18.5	150	M8	13
12x80 ER16 M	12	ER16	0.5	10.0	22	36.5	80	-	17
20x100 ER16 M	20	ER16	0.5	10.0	22	25.0	100	M12	17
20x150 ER16 M	20	ER16	0.5	10.0	22	25.0	150	M12	17
20x100 ER20 M	20	ER20	1.0	13.0	28	40.0	100	M12	22
20x150 ER20 M	20	ER20	1.0	13.0	28	40.0	150	M14	22


G151-G159

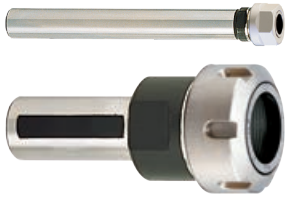

G176-G177

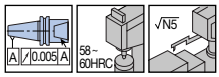

G180


G183

ST-ER(F)

ER collet chucks





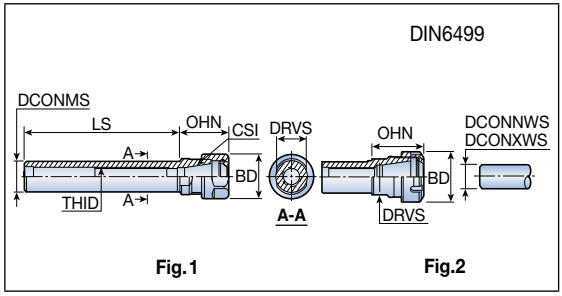


Fig.1 Fig.2

Designation	Dimension (mm)									Fig.
	DCONMS	CSI	DCONNWS	DCONXWS	BD	OHN	LS	THID	DRVS	
ST 16x50 ER11 F	16	ER11	0.5	7.0	19	18.5	50	M8	13	1
20x50 ER11 F	20	ER11	0.5	7.0	19	18.5	50	M10	17	1
20x100 ER11	20	ER11	0.5	7.0	19	18.5	100	M10	17	1
20x150 ER11	20	ER11	0.5	7.0	19	18.5	150	M10	17	1
20x50 ER16 F	20	ER16	0.5	10.0	28	32.3	50	M12	19	1
20x100 ER16	20	ER16	0.5	10.0	28	30.0	100	M12	19	1
20x100 ER16 F	20	ER16	0.5	10.0	28	30.0	100	M12	19	1
20x150 ER16	20	ER16	0.5	10.0	28	30.0	150	M12	19	1
20x50 ER20 F	20	ER20	1.0	13.0	34	42.5	50	M12	22	1
25x100 ER20	25	ER20	1.0	13.0	34	36.0	100	M16	22	1
25x150 ER20	25	ER20	1.0	13.0	34	36.0	150	M16	22	1
20x50 ER25 F	20	ER25	1.0	16.0	42	46.0	50	M12	27	2
20x100 ER25	20	ER25	1.0	16.0	42	46.0	100	M12	27	2
20x100 ER25 F	20	ER25	1.0	16.0	42	46.0	100	M12	27	2
25x50 ER25 F	25	ER25	1.0	16.0	42	46.0	50	M16	27	2
25x100 ER25	25	ER25	1.0	16.0	42	46.0	100	M16	27	2
20x50 ER32 F	20	ER32	2.0	20.0	50	54.0	50	M12	36	2
20x100 ER32	20	ER32	2.0	20.0	50	54.0	100	M12	36	2
25x50 ER32 F	25	ER32	2.0	20.0	50	52.0	50	M16x2	36	2
30x50 ER32 F	30	ER32	2.0	20.0	50	52.0	50	M18x1.5	36	2
32x50 ER32 F	32	ER32	2.0	20.0	50	52.0	50	M18x1.5	36	2
32x150 ER32	32	ER32	2.0	20.0	50	52.0	150	M18x1.5	36	2
40x75 ER32 F	40	ER32	2.0	20.0	50	46.0	75	M22x1.5	44	2
25x50 ER40 F	25	ER40	3.0	26.0	63	60.0	50	M16x2	46	2
30x50 ER40 F	32	ER40	3.0	26.0	63	60.0	50	M22x1.5	46	2
32x50 ER40 F	32	ER40	3.0	26.0	63	60.0	50	M22x1.5	46	2
40x75 ER40 F	40	ER40	3.0	26.0	63	55.0	75	M28x1.5	46	2
50x80 ER40 F	50	ER40	3.0	26.0	63	60.0	80	M28x1.5	55	2
50x80 ER50 F	50	ER50	10.0	34.0	78	77.0	80	M36x1.5	58	2

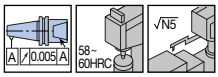
▸ F: Flat on the shank

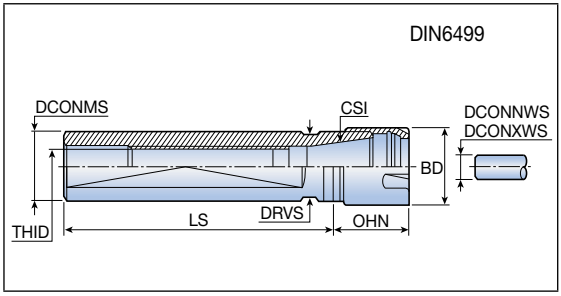
G151-G159 G176-G177 G180 G183

ST-ER-MF

Straight shanks - Mini collet







Designation	Dimension (mm)								
	DCONMS	CSI	DCONNWS	DCONXWS	BD	OHN	LS	THID	DRVS
ST 16x38 ER11 MF	16	ER11	0.5	7.0	16	18.5	38	M8x1	14
16x50 ER11 MF	16	ER11	0.5	7.0	16	18.5	50	M8x1	13
16x140 ER11 MF	16	ER11	0.5	7.0	16	18.5	140	M8x1	14
16x35 ER16 MF	16	ER16	0.5	10.0	22	36.0	35	M8x1	17
20x50 ER16 MF	20	ER16	0.5	10.0	22	26.0	50	M12x1	17
20x70 ER16 MF	20	ER16	0.5	10.0	22	26.0	70	M12x1	17
20x120 ER16 MF	20	ER16	0.5	10.0	22	26.0	120	M12x1	17
20x140 ER16 MF	20	ER16	0.5	10.0	22	26.0	140	M12x1	17
22x38 ER16 MF	22	ER16	0.5	10.0	22	26.0	38	M12x1	19
22x70 ER16 MF	22	ER16	0.5	10.0	22	26.0	70	M12x1	19
22x100 ER16 MF	22	ER16	0.5	10.0	22	28.0	100	M12x1	19
25x65 ER16 MF	25	ER16	0.5	10.0	22	28.0	65	M14x1	22
22x80 ER20 MF	22	ER20	1.0	13.0	28	39.0	80	M12x1	21
25x100 ER20 MF	25	ER20	1.0	13.0	28	28.0	100	M14x1	22
25x154 ER20 MF	25	ER20	1.0	13.0	28	28.0	154	M14x1	22
22x70 ER25 MF	22	ER25	1.0	16.0	35	47.0	70	M12x1	27
25x75 ER25 MF	25	ER25	1.0	16.0	35	48.0	75	M14x1	27
25x145 ER25 MF	25	ER25	1.0	16.0	35	36.0	145	M14x1	27
32x70 ER25 MF	32	ER25	1.0	16.0	35	30.0	70	M18x1	27


G151-G159

G176-G177

G180

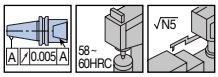
G183

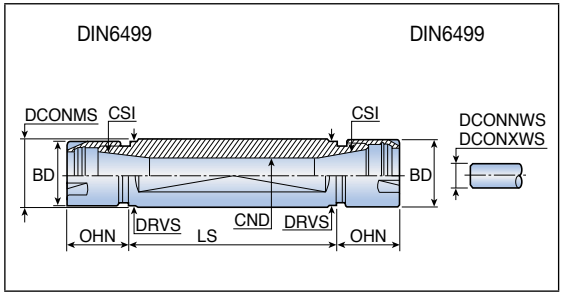
▸ MF: Mini flat shank

ST-ER-MF D

Straight shanks - Double mini collet







Designation	Dimension (mm)								
	DCONMS	CSI	DCONNWS	DCONXWS	CND	BD	OHN	LS	DRVS
ST 16x50 ER11 MF D	16	ER11	0.5	7.0	7.5	16	18.5	50	14
20x30 ER11 MF D	20	ER11	0.5	7.0	7.5	16	18.5	30	17
20x50 ER11 MF D	20	ER11	0.5	7.0	7.5	16	18.5	50	17
20x55 ER16 MF D	20	ER16	0.5	10.0	10.5	22	25.0	55	17
22x55 ER16 MF D	22	ER16	0.5	10.0	10.5	22	28.0	55	19
22x75 ER16 MF D	22	ER16	0.5	10.0	10.5	22	28.0	75	19
25x62 ER16 MF D	25	ER16	0.5	10.0	10.5	22	28.0	62	22
32x55 ER20 MF D	32	ER20	1.0	13.0	13.5	28	28.0	55	27
32x75 ER20 MF D	32	ER20	1.0	13.0	13.5	28	28.0	75	27

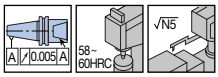
▸ MF D: Mini flat double

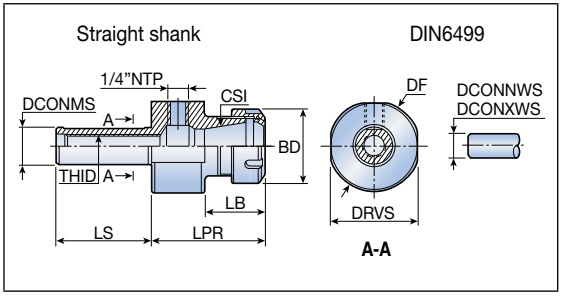
G151-G159 G176-G177 G183

ST-ER-S

Straight shanks - Internal coolant







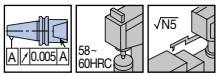
	Designation	Dimension (mm)										
		DCONMS	CSI	DCONNWS	DCONXWS	DF	BD	LPR	LB	LS	THID	DRVS
ST	**20x65 ER20 S**	20	ER20	1.0	13.0	40	34	63	31.0	65	M12	34
	20x65 ER25 S	20	ER25	1.0	16.0	54	42	72	32.0	65	M12	51
	25x65 ER32 S	25	ER32	2.0	20.0	63	50	77	41.0	65	M16	59
	32x65 ER32 S	32	ER32	2.0	20.0	63	50	77	41.0	65	M18x1.5	59
	40x75 ER32 S	40	ER32	2.0	20.0	63	50	77	41.0	75	M22x1.5	59

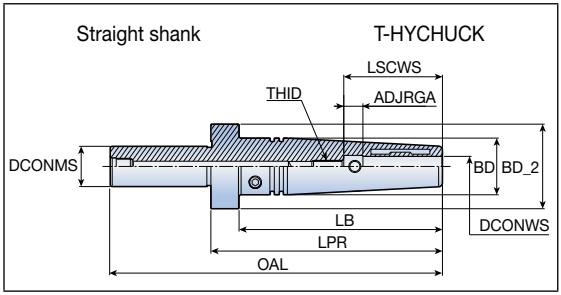
G151-G159 G176-G177 G180 G183

ST-THCR

Adjustable hydraulic chucks







Designation		Dimension (mm)										
		DCONMS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	Hex Key	OAL
ST20	**THCR 6-165**	20	6	24	42	115	101	10	41.0	M5X0.8	4.0	165
	THCR 8-165	20	8	26	42	115	101	10	41.0	M6X1.0	4.0	165
	THCR 10-165	20	10	28	42	115	101	10	48.0	M8X1.0	4.0	165
	THCR 12-165	20	12	30	42	115	101	10	53.0	M10X1.0	4.0	165
	THCR 16-165	20	16	28	42	115	101	10	58.0	M12X1.0	4.0	165
	THCR 20-165	20	20	31.5	42	115	101	10	58.0	M16X1.0	5.0	165
	THCR 20-215	20	20	31.5	42	165	151	10	58.0	M16X1.0	5.0	215



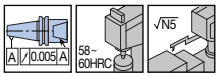
G162-G163 G197-G198

- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

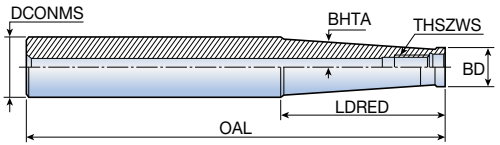
S M-L-C

Straight shanks with internal coolant hole





Straight shank T-FLEXTEC

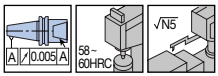


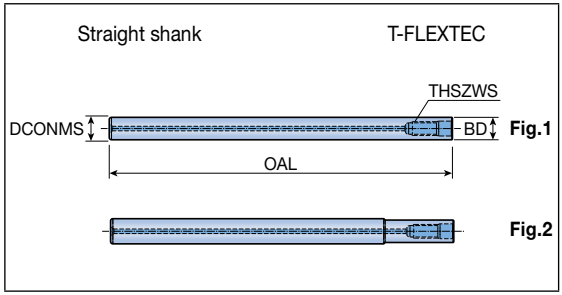
Designation	Dimension (mm)						Shank type
	THSZWS	DCONMS	BD	OAL	LDRED	BHTA	
S M06 - L60 C10	M06	10	9.7	60	20.0	-	C
L105-C12	M06	12	9.7	105	60.0	1.2	C
L125-C16	M06	16	9.7	125	60.0	3.3	C
S M08 - L73 C16	M08	16	13.0	73	25.0	-	C
L128-C 16	M08	16	13.0	128	80.0	0.9	C
L170-C20	M08	20	13.0	170	66.8	3.3	C
S M10 - L80 C20	M10	20	18.0	80	30.0	-	C
L130-C20	M10	20	18.0	130	80.0	0.6	C
L200-C25	M10	25	19.0	200	57.2	3.3	C
S M12 - L86-C25	M12	25	21.0	86	30.0	5.1	C
L200-C32	M12	32	21.0	200	78.0	4.4	C
S M16 - L95-C32	M16	32	29.0	95	35.0	1.7	C
L230-C32	M16	32	29.0	230	50.0	1.8	C

S M-CT-L (M04/06)

Carbide T-FLEXTEC shanks





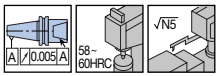


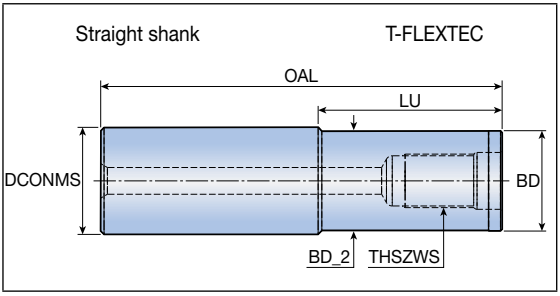
Designation	Dimension (mm)				Coolant hole	Fig.
	THSZWS	DCONMS	BD	OAL		
S M04 - CT08-20-L100	M04	8	7.8	100	●	2
CT08-40-L150-B	M04	8	7.8	150	x	2
S M06 - CT10-L100	M06	10	10	100	●	1
CT10-L150	M06	10	10	150	●	1
CT12-L100	M06	12	12	100	●	1
CT12-L150	M06	12	12	150	●	1

S M-CT-L (M08/10/12/16)

Carbide T-FLEXTEC shanks with internal coolant hole





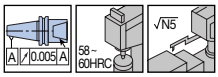


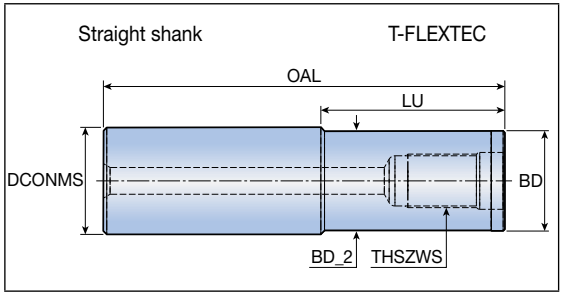
Designation	Dimension (mm)					
	THSZWS	DCONMS	BD	BD_2	OAL	LU
S M08-CT16 - 20-L80	M08	16	15.3	15.3	80	20
40-L100	M08	16	15.3	15.3	100	40
80-L150	M08	16	15.3	15.3	150	80
100-L200	M08	16	13.0	12.5	200	100
140-L200	M08	16	15.3	15.3	200	140
180-L250	M08	16	15.3	15.3	250	180
S M10-CT20 - 20-L80	M10	20	18.5	18.5	80	20
40-L100	M10	20	18.5	18.5	100	40
80-L150	M10	20	18.5	18.5	150	80
100-L200	M10	20	18.5	18.5	200	100
130-L250	M10	20	18.0	17.5	250	130
140-L200	M10	20	18.0	17.5	200	140
140-L200-N	M10	20	18.5	18.5	200	140
180-L250	M10	20	18.0	17.5	250	180
180-L250-N	M10	20	18.5	18.5	250	180
180-L300	M10	20	18.0	17.5	300	180
230-L300	M10	20	18.0	17.5	300	230
S M12-CT25 - 40-L100	M12	25	24	24.0	100	40
80-L150	M12	25	21	20.5	150	80
80-L150-N	M12	25	24	24.0	150	80
100-L200	M12	25	21	20.5	200	100
100-L200-N	M12	25	24	24.0	200	100
130-L250	M12	25	21	20.5	250	130
140-L200	M12	25	21	20.5	200	140
180-L250	M12	25	24	24.0	250	180
180-L250-B	M12	25	21	20.5	250	180
180-L300	M12	25	21	20.5	300	180
180-L300-N	M12	25	24	24.0	300	180
230-L300	M12	25	21	20.5	300	230

S M-CT-L (M08/10/12/16)

Carbide T-FLEXTEC shanks with internal coolant hole





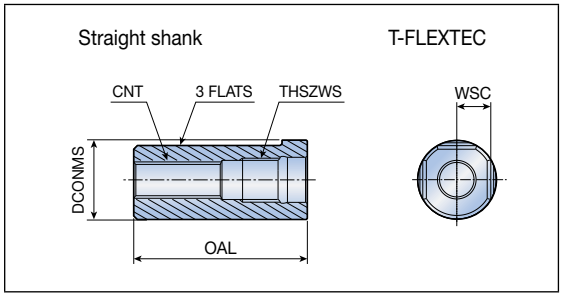


Designation	Dimension (mm)					
	THSZWS	DCONMS	BD	BD_2	OAL	LU
S M16-CT32 - 40-L100	M16	32	29	29.0	100	40
80-L150	M16	32	29	29.0	150	80
100-L200	M16	32	29	29.0	200	100
130-L250	M16	32	29	29.0	250	130
140-L200	M16	32	29	29.0	200	140
180-L250	M16	32	29	29.0	250	180
180-L300	M16	32	29	29.0	300	180
230-L300	M16	32	29	29.0	300	230
230-L350	M16	32	29	29.0	350	230
280-L350	M16	32	29	29.0	350	280

TFLEX-TCD-M12

T-FLEXTEC shank



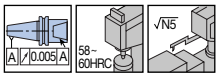


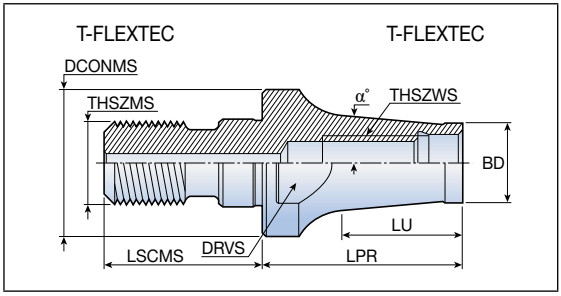
Designation	Dimension (mm)				CNT
	THSZWS	DCONMS	OAL	WSC	
TFLEX 160x36-TCD-M12	M12	16	36	7.5	UNF 5/16
1905x36-TCD-M12	M12	19.05	36	8.5	UNF 5/16
200x36-TCD-M12	M12	20	36	8.5	G 1/8
220x48-TCD-M12	M12	22	48	9.5	G 1/8
250x54-TCD-M12	M12	25	54	11	G 1/8
254x54-TCD-M12	M12	25.4	54	11	G 1/8

CAB M-M

Reducers





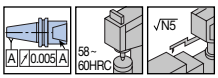


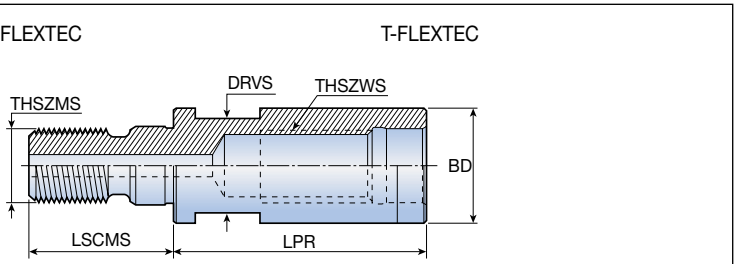
Designation		Dimension (mm)								
		THSZWS	THSZMS	BD	DCONMS	LPR	LSCMS	LU	DRVS	α°
CAB	**M06M08**	M06	M08	9.7	13	30	17.5	24.8	9.5	5.7
	M08M10	M08	M10	13.0	18	40	20.0	33.4	15.0	5.2
	M10M12	M10	M12	18.0	21	45	22.0	36.4	17.0	2.5
	M12M16	M12	M16	21.0	29	50	25.0	42.5	25.0	6.3

▸ With coolant holes

CAB M-M-C

Extensions





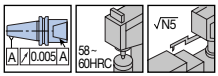
Designation		Dimension (mm)					
		THSZWS	THSZMS	BD	LPR	LSCMS	DRVS
CAB	**M08M08-C**	M08	M08	13	30	17.5	9.6
	M10M10-C	M10	M10	18	35	20.0	15.0
	M12M12-C	M12	M12	21	40	22.0	17.0
	M16M16-C	M16	M16	29	40	25.0	25.0

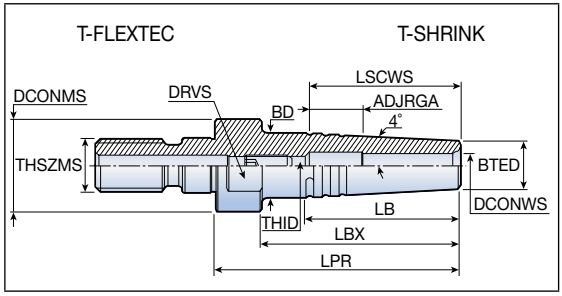
▸ With coolant holes

CDP M-SRK

Adapters with SRK T-SHRINK







Designation		Dimension (mm)												
		THSZMS	DCONWS	BTED	BD	DCONMS	LPR	LBX	LB	ADJRGA	LSCWS	THID	DRVS	Hex key
CDP M10	**SRK 3x40**	M10	3	10	14	18	40	31.5	29.1	6	16	M4	15	2.0
	SRK 4x40	M10	4	10	14	18	40	31.5	29.1	7	19	M4	15	2.0
	SRK 5x40	M10	5	10	14	18	40	31.5	28.4	10	25	M4	15	2.0
CDP M12	**SRK 3x45**	M12	3	10	14	21	45	36.5	28.8	6	16	M5	18	2.5
	SRK 4x45	M12	4	10	14	21	45	36.5	28.8	6	18	M5	18	2.5
	SRK 5x45	M12	5	10	14	21	45	36.5	28.8	10	25	M5	18	2.5
	SRK 6x45	M12	6	11	15	21	45	36.5	28.4	10	28	M5	18	2.5
	SRK 8x45	M12	8	14	18	21	45	36.5	28.8	10	35	M5	18	2.5
	SRK 10x45	M12	10	16	21	21	45	-	35.6	10	40	M5	18	2.5
	SRK 12x45	M12	12	20	25	21	45	-	36.0	10	42	M5	18	2.5

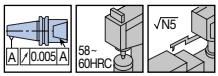
▸ With coolant holes

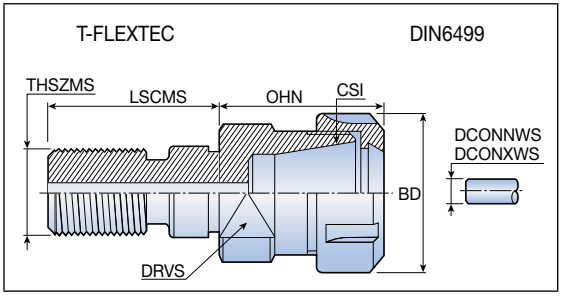
G188-G190 G199

CDP ER-M

Adapters with ER collet chuck







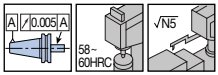
Designation		Dimension (mm)							
		CSI	THSZMS	DCONNWS	DCONXWS	BD	OHN	LSCMS	DRVS
CDP	**ER11 M10 M**	ER11	M10	0.5	7.0	16	27.0	20	15
	ER11 M12 M	ER11	M12	0.5	7.0	16	27.0	22	17
	ER16 M10 M	ER16	M10	0.5	10.0	22	38.1	20	17
	ER16 M12 M	ER16	M12	0.5	10.0	22	37.1	22	17
	ER16 M16	ER16	M16	0.5	10.0	28	36.6	25	25
	ER20 M16	ER20	M16	1.0	13.0	34	45.5	25	25
	ER25 M16	ER25	M16	1.0	16.0	42	44.5	25	28

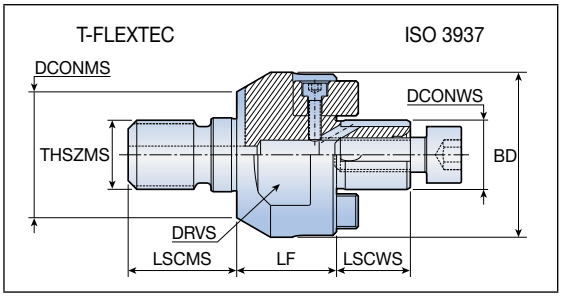
▸ With coolant holes

CAB M-SEM-C

Shell mill arbors







Designation		Dimension (mm)							
		THSZMS	DCONWS	DCONMS	BD	LF	LSCWS	LSCMS	DRVS
CAB	**M16 SEM 16C**	M16	16	29	38	23	17	25	32

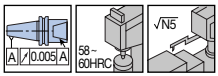
G151-G159 G176-G177 G183

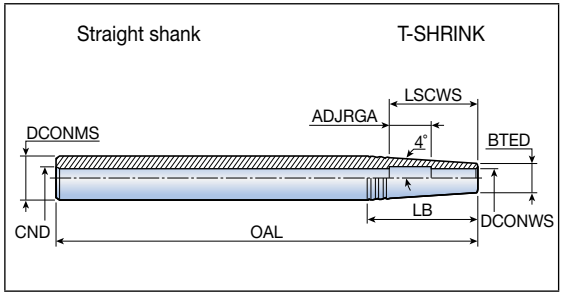
▸ With coolant holes

ST-SRK

Straight shanks with thermal chuck







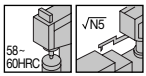
	Designation	Dimension (mm)							
		DCONMS	DCONWS	CND	BTED	OAL	LB	ADJRGA	LSCWS
ST	**12x160 SRK3**	12	3	4	10	160	14.3	-	10
	12x160 SRK4	12	4	4	10	160	14.3	-	27
	16x160 SRK3	16	3	6	10	160	43.0	-	10
	16x160 SRK4	16	4	6	10	160	43.0	-	12
	16x160 SRK5	16	5	6	10	160	43.0	-	15
	16x160 SRK6	16	6	6	11	160	35.5	17	35
	20x200 SRK5	20	5	6	10	200	71.5	-	15
	20x200 SRK6	20	6	6	11	200	64.5	22	40
	20x200 SRK8	20	8	6	14	200	43.0	15	40
	25x200 SRK6	25	6	8	11	200	100.0	17	35
	25x200 SRK8	25	8	8	14	200	78.6	15	40
	25x200 SRK10	25	10	8	16	200	64.3	20	50
	25x200 SRK12	25	12	8	20	200	35.7	20	52

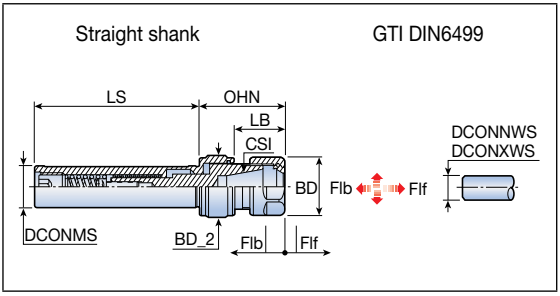
G188-G190 G199

GTI ER-ST

GTI tap attachments







Designation		Dimension (mm)												
		DCONMS	CSI	Tap$_{min}$	Tap$_{max}$	DCONNWS	DCONXWS	BD	BD_2	OHN	LB	LS	Flf	Flb
GTI	**ER11 ST16x150 M**	16	ER11	M2	M7	0.5	7.0	16	-	-	19.0	150	6	3
	ER16 ST20x80	20	ER16	M3	M10	0.5	10.0	28	29.5	41.6	24.6	80	8	3
	ER20 ST20x80	20	ER20	M4	M14	1.0	13.0	34	33.5	49.0	28.0	80	8	3
	ER25 ST25x80	25	ER25	M5	M16	1.0	16.0	42	40.5	53.0	32.0	80	9	4
	ER32 ST25x80	25	ER32	M6	M20	1.0	16.0	50	56.5	77.2	32.0	80	9	4
	ER40 ST32x80	32	ER40	M6	M27	2.0	20.0	63	56.5	95.2	51.0	80	9	4


G151-G159


G176-G177


G183

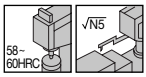


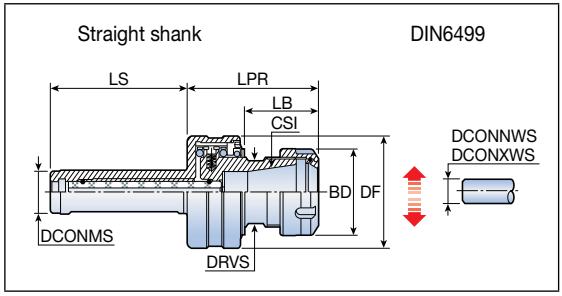
G200

GFI ST-ER

GFI floating reamer ER collet chucks







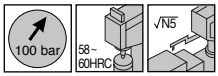
Designation		Dimension (mm)										
		DCONMS	CSI	DCONNWS	DCONXWS	DF	BD	LPR	LB	LS	Radial float	DRVS
GFI	**ST20 ER20**	20	ER20	1.0	13.0	50	34	55.5	34.5	65	1.0	22
	ST25 ER32	25	ER32	2.0	20.0	65	50	76.9	45.9	80	1.6	36

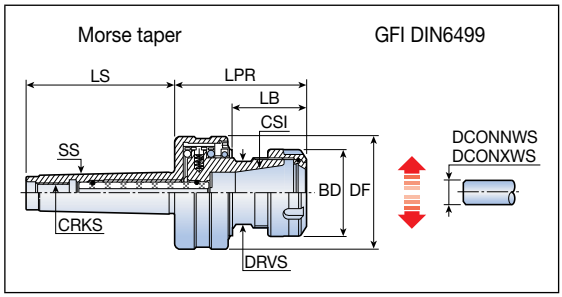
▸ Max. 2,000RPM

GFI MT-ER

Morse taper GFI reamer holders







Designation		Dimension (mm)											
		SS	CSI	DCONNWS	DCONXWS	DF	BD	LPR	LB	LS	CRKS	Radial float	DRVS
GFI	**MT2 ER20**	2	ER20	1.0	13.0	50	34	60.5	34.5	64	M10	1.0	22
	MT3 ER32	3	ER32	2.0	20.0	65	50	81.9	45.9	81	M12	1.6	36

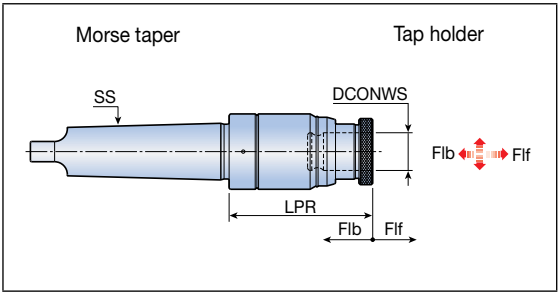
▸ Max. 2,000RPM

G151-G159 G176-G177 G183

MTA-TC

Tap holders - MTA





Designation		Dimension (mm)							
		SS	Tapmin	Tapmax	DCONWS	LPR	Flb	Flf	Tap adapter
MTA3	**TC12-90**	12	M3	M12	19	90	6.5	12	TA1
	TC22-115	22	M6	M24	31	115	14.5	13	TA2
MTA4	**TC12-105**	12	M3	M12	19	105	6.5	12	TA1

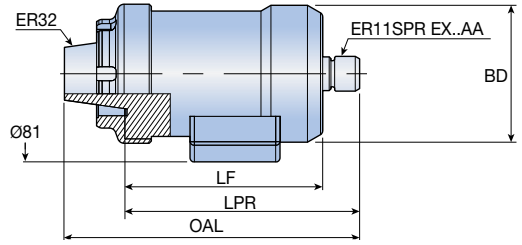
G174 G200

TYPHOON



TJS GJET ER

Coolant driven high-speed compact spindles with ER32 shank



Designation	Dimension (mm)					Kg
	DCONXWS	LF	LPR	OAL	BD	
TJS GJET ER32	7.0	92.0	109.0	136.0	63.0	1.3

- Minimum coolant pressure 20 bar and flow rate 12 ℓ/min
- The spindle provides only external strong coolant jet around the tool
- DCONXWS: Maximum tool shank diameter

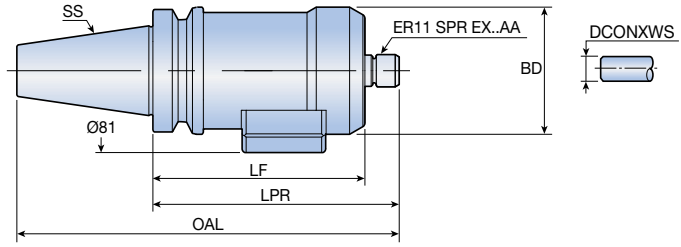
Spare parts

Designation	Mini ER nut	ER wrench	Key	Locking pin	Display*
TJS-GJET-ER32	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY	TJS TSD DISPLAY

- *: Optional, sold separately

TJS GJET BT

Coolant driven high-speed compact spindles with BT shank



Designation		Dimension (mm)						Kg
		SS	DCONXWS	LF	LPR	BD	OAL	
TJS	**GJET BT30**	30	7.0	124.0	141.0	63.0	189.4	1.6
	GJET BT40	40	7.0	107.0	124.0	63.0	189.5	1.8

- Minimum coolant pressure 20 bar and flow rate 12 ℓ/min
- The spindle provides only external strong coolant jet around the tool
- DCONXWS: Maximum tool shank diameter

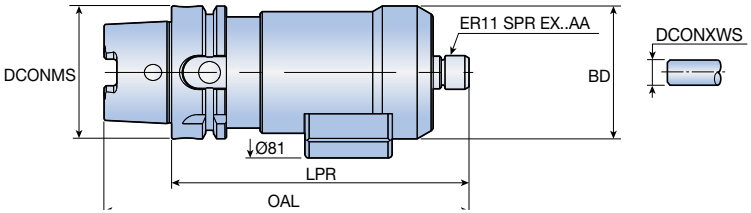
Spare parts

Designation	Mini ER nut	ER wrench	Key	Locking pin	Display*
TJS-GJET-BT	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY	TJS TSD DISPLAY

- *: Optional, sold separately

TJS GJET HSK

Coolant driven high-speed compact spindles with HSK shank



Designation	Dimension (mm)					Kg
	DCONMS	DCONXWS	LPR	OAL	BD	
TJS GJET HSK A63	63.0	7.0	141.0	173.0	63.0	1.8

- Minimum coolant pressure 20 bar and flow rate 12 ℓ/min
- The spindle provides only external strong coolant jet around the tool
- DCONXWS: Maximum tool shank diameter

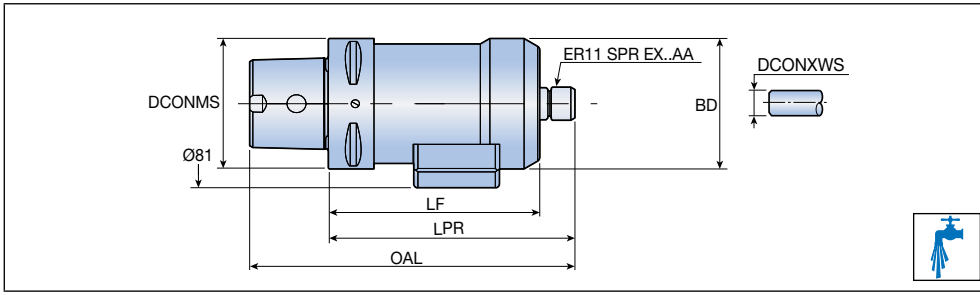
Spare parts

Designation	Mini ER nut	ER wrench	Key	Locking pin	Display*
TJS-GJET-HSK A63	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY	TJS TSD DISPLAY

- *: Optional, sold separately

TJS GJET C

Coolant driven high-speed compact spindles with C-ADAPTER shank



Designation	Dimension (mm)						Kg
	DCONMS	DCONXWS	LF	LPR	OAL	BD	
TJS GJET C5	50.0	7.0	112.0	129.0	129.0	63.0	1.5

- Minimum coolant pressure 20 bar and flow rate 12 ℓ/min
- The spindle provides only external strong coolant jet around the tool
- DCONXWS: Maximum tool shank diameter

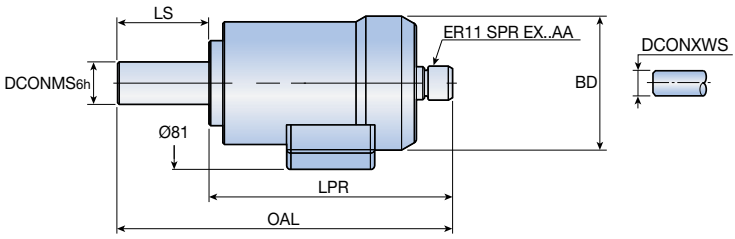
Spare parts

Designation	Mini ER nut	ER wrench	Key	Locking pin	Display*
TJS-GJET-C	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY	TJS TSD DISPLAY

- *: Optional, sold separately

TJS GJET ST

Coolant driven high-speed compact spindles with cylindrical shank



Designation		Dimension (mm)						Kg
		DCONMS	DCONXWS	LS	LPR	OAL	BD	
TJS	**GJET ST20**	20.0	7.0	43.0	115.0	158.0	63.0	1.2

- Minimum coolant pressure 20 bar and flow rate 12 ℓ/min
- The spindle provides only external strong coolant jet around the tool
- DCONXWS: Maximum tool shank diameter

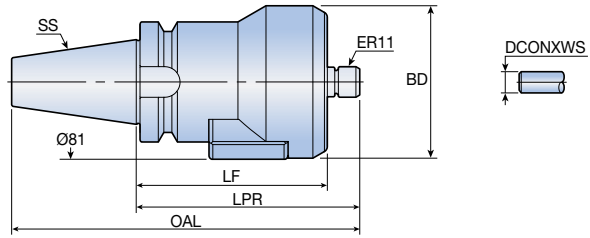
Spare parts

Designation	Mini ER nut	ER wrench	Key	Locking pin	Display*
TJS-GJET-ST	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY	TJS TSD DISPLAY

- *: Optional, sold separately

TJS HPC BT

High-pressure coolant driven spindle with BT shank for small diameter cutting tools



Designation	Dimension (mm)						Kg
	SS	DCONXWS	LF	LPR	OAL	BD	
TJS HPC BT40	40	7.0	100.0	117.0	183.0	80	2.0

- Coolant pressure: 40 - 70 bar and flow rate: 16 - 22 ℓ/min
- Rotational spindle speed [rpm]: 25,000 - 45,000 (rev/min)
- The spindle provides only external strong coolant jet around the tool
- DCONXWS: Maximum diameter of tools

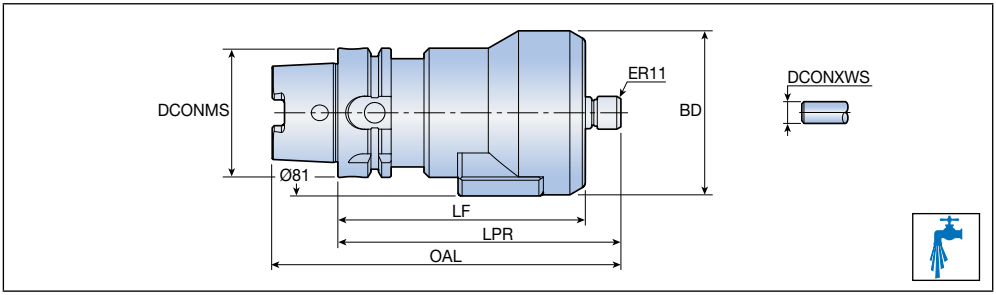
Spare parts

Designation	Mini ER nut	ER wrench	Key	Locking pin	Display*
TJS HPC BT40	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY	TJS TSD DISPLAY

- *: Optional, sold separately

TJS HPC HSK A

High-pressure coolant driven spindle with HSK shank for small diameter cutting tools



Designation		Dimension (mm)						Kg
		DCONMS	DCONXWS	LF	LPR	OAL	BD	
TJS	**HPC HSK A63**	63	7.0	121	138	170	80	2.0

- Coolant pressure: 40 - 70 bar and flow rate: 16 - 22 ℓ/min
- Rotational spindle speed [rpm]: 25,000 - 45,000 (rev/min)
- The spindle provides only external strong coolant jet around the tool
- DCONXWS: Maximum diameter of tools

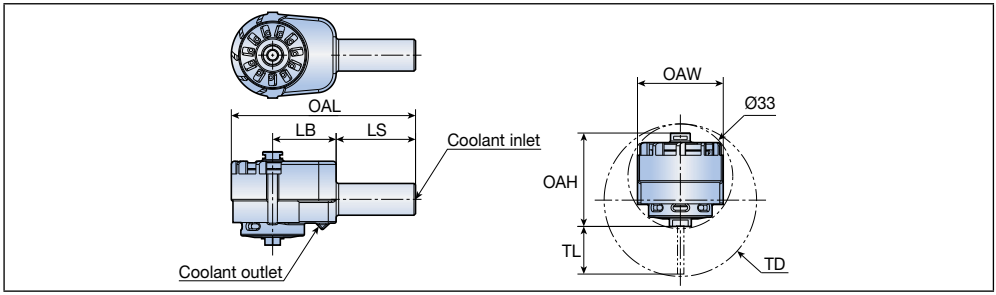
Spare parts

Designation	Mini ER nut	ER wrench	Key	Locking pin	Display*
TJS HPC HSK A63	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY	TJS TSD DISPLAY

- *: Optional, sold separately

TJS M90

Coolant driven high-speed compact angular head spindle

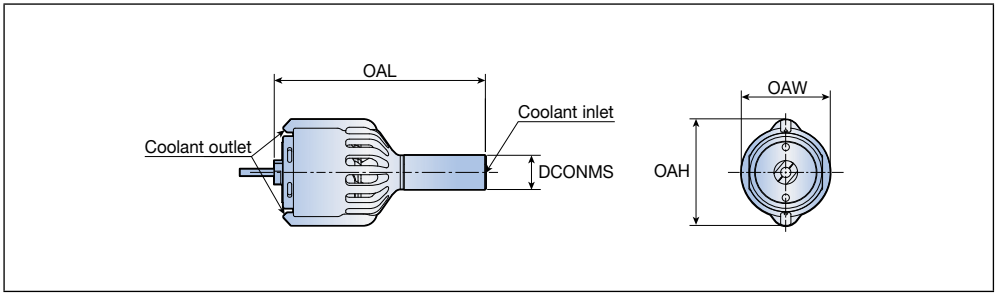


Designation	Dimension (mm)					
	DCONMS	LS	LB	OAL	OAH	OAW
TJS M90-3.0	10	25	20	58	29	27

- Coolant pressure 20 – 40 bar and flow rate 10 - 20 ℓ/min
- Rotational spindle speed [rpm]: 35,000–53,000 (rev/min)
- The spindle provides only external strong coolant jet around the tool
- TD: TL (Tool Length)+33 mm

TJS M00

Coolant driven high-speed compact spindle



Designation	Dimension (mm)				
	DCONMS	LS	OAL	OAH	OAW
TJS M00-3.0	10	23.8	61.8	26	31

- Coolant pressure: 15 - 40 bar and flow rate: 10 - 20 ℓ/min
- Rotational spindle speed [rpm]: 18,000 - 40,000 (rev/min)
- The spindle provides only external strong coolant jet around the tool

Spare parts

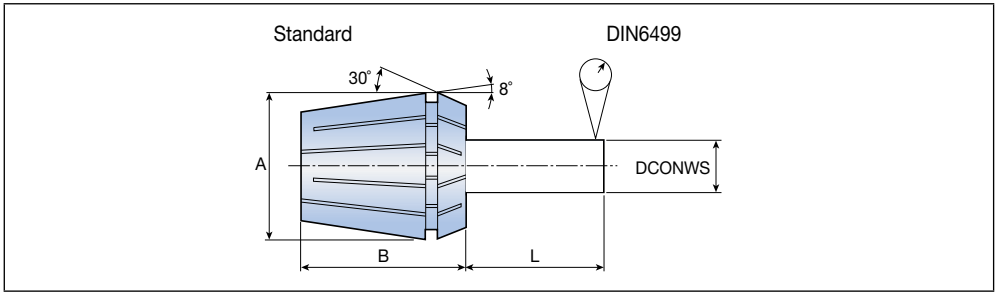
Designation	Ø3 collet	Lock key	Wrench	Nozzle	Collet*
			 (1) (2)		
TJS M90-3.0	TJS-COLLET 3.0		TJS MJ90 WRENCH-2430		* TJS-COLLET 1.6 * TJS-COLLET 2.0 * TJS-COLLET 3.175
TJS M00-3.0	TJS-COLLET 3.0	TJS MJ-SHAFTLOCK	TJS MJ-WRENCH COLLET	TJS MJ-PLUG COOLANT	* TJS-COLLET 1.6 * TJS-COLLET 2.0

- *: Optional, sold separately
- (1): For TJS M90, (2): For TJS M00

Collet



Collet



Precision

(mm)

DCONWS range	L	Run-out		
		Standard precision	Ultra precision	DIN6499
1.0-1.6	**6**	0.01	0.005	-
1.6-3.0	**10**	0.01	0.005	0.015
3.0-6.0	**16**	0.01	0.005	0.015
6.0-10.0	**25**	0.01	0.005	0.015
10.0-18.0	**40**	0.01	0.005	0.020
18.0-26.0	**50**	0.01	0.005	0.020
26.0-34	**60**	-	-	0.025

Dimension

(mm)

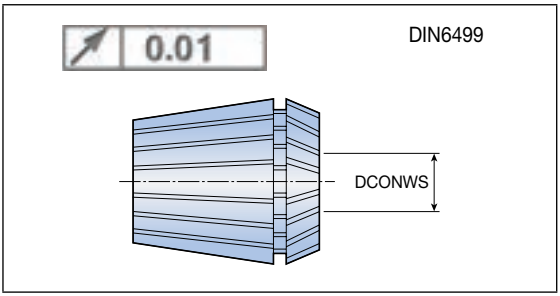
Type	A	B
ER11	11.5	18
ER16	17.0	27
ER20	21.0	31
ER25	26.0	35
ER32	33.0	40
ER40	41.0	46
ER50	52.0	60

ER-SPR

ER spring collets - Precision







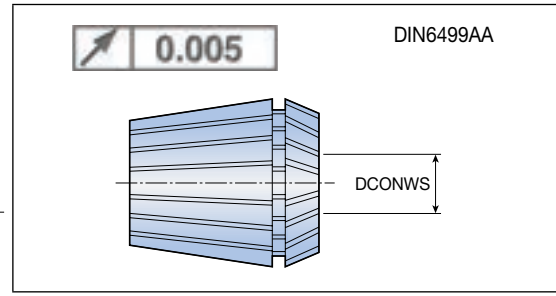
DCONWSrange		ER11	ER16	ER20	ER25	ER32	ER40	ER50
0.5-1		ER11 SPR 0.5-1.0	ER16 SPR 0.5-1.0					
1-2	**1-1.5**	1.0-1.5	1.0-1.5	ER20 SPR1.0-1.5	ER25 SPR1.0-1.5			
	1.5-2	1.5-2.0	1.5-2.0	1.5-2.0	1.5-2.0			
2-3	**2-2.5**	2.0-2.5	2-3	2-3	2-3	ER32 SPR 2-3		
	2.5-3	2.5-3.0						
3-4	**3-3.5**	3.0-3.5	3-4	3-4	3-4	3-4	ER40 SPR 3-4	
	3.5-4	3.5-4.0						
4-5	**4-4.5**	4.0-4.5	4-5	4-5	4-5	4-5	4-5	
	4.5-5	4.5-5.0						
5-6	**5-5.5**	5.0-5.5	5-6	5-6	5-6	5-6	5-6	
	5.5-6	5.5-6.0						
6-7	**6-6.5**	6.0-6.5	6-7	6-7	6-7	6-7	6-7	
	6.5-7	6.5-7.0						
7-8			7-8	7-8	7-8	7-8	7-8	
8-9			8-9	8-9	8-9	8-9	8-9	
9-10			9-10	9-10	9-10	9-10	9-10	
10-11				10-11	10-11	10-11	10-11	ER50 SPR 10-12
11-12				11-12	11-12	11-12	11-12	ER50 SPR 10-12
12-13				12-13	12-13	12-13	12-13	12-14
13-14					13-14	13-14	13-14	12-14
14-15					14-15	14-15	14-15	14-16
15-16					15-16	15-16	15-16	14-16
16-17						16-17	16-17	16-18
17-18						17-18	17-18	16-18
18-19						18-19	18-19	18-20
19-20						19-20	19-20	18-20
20-21							20-21	20-22
21-22							21-22	20-22
22-23							22-23	22-24
23-24							23-24	22-24
24-25							24-25	24-26
25-26							25-26	24-26
26-28								26-28
28-30								28-30
30-32								30-32
32-34								32-34

ER-SPR-AA

ER spring collets - Ultra precision “AA”







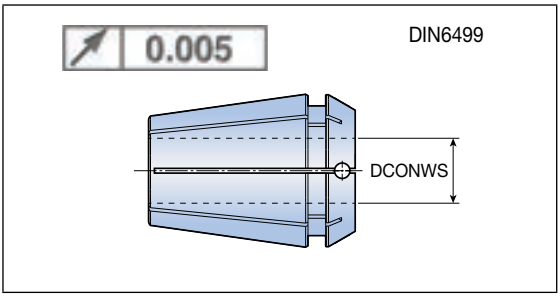
DCONWS range		ER11	ER16	ER20	ER25	ER32	ER40
0.5-1		ER11 SPR 0.5-1.0AA	ER16 SPR 0.5-1AA				
1-2	**1-1.5**	1.0-1.5AA					
	1.5-2	1.5-2.0AA	1.5-2.0 AA	ER20 SPR 1.5-2.0 AA	ER25 SPR 1.5-2.0 AA		
2-3	**2-2.5**	2.0-2.5AA	2-3AA	2-3AA	2-3AA	ER32 SPR 2-3AA	
	2.5-3	2.5-3.0AA					
3-4	**3-3.5**	3.0-3.5AA	3-4AA	3-4AA	3-4AA	3-4AA	ER40 SPR 3-4AA
	3.5-4	3.5-4.0AA					
4-5	**4-4.5**	4.0-4.5AA	4-5AA	4-5AA	4-5AA	4-5AA	4-5AA
	4.5-5	4.5-5.0AA					
5-6	**5-5.5**	5.0-5.5AA	5-6AA	5-6AA	5-6AA	5-6AA	5-6AA
	5.5-6	5.5-6.0AA					
6-7	**6-6.5**	6.0-6.5AA	6-7AA	6-7AA	6-7AA	6-7AA	6-7AA
	6.5-7	6.5-7.0AA					
7-8			7-8AA	7-8AA	7-8AA	7-8AA	7-8AA
8-9			8-9AA	8-9AA	8-9AA	8-9AA	8-9AA
9-10			9-10AA	9-10AA	9-10AA	9-10AA	9-10AA
10-11				10-11AA	10-11AA	10-11AA	10-11AA
11-12				11-12AA	11-12AA	11-12AA	11-12AA
12-13				12-13AA	12-13AA	12-13AA	12-13AA
13-14					13-14AA	13-14AA	13-14AA
14-15					14-15AA	14-15AA	14-15AA
15-16					15-16AA	15-16AA	15-16AA
16-17						16-17AA	16-17AA
17-18						17-18AA	17-18AA
18-19						18-19AA	18-19AA
19-20						19-20AA	19-20AA
20-21							20-21AA
21-22							21-22AA
22-23							22-23AA
23-24							23-24AA
24-25							24-25AA
25-26							25-26AA

ER-SEAL-AA

ER sealed collets - Ultra precision







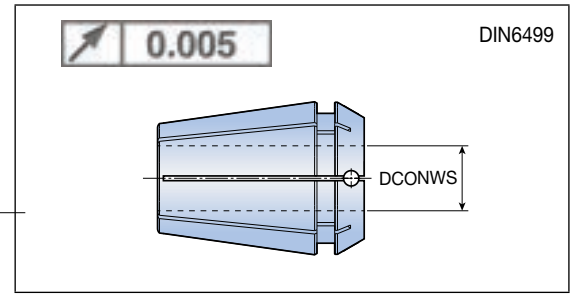
DCONWSrange	ER11	ER16	ER20	ER25	ER32	ER40
3	ER11 SEAL 3 AA	ER16 SEAL 3 AA	ER20 SEAL 3 AA	ER25 SEAL 3 AA	ER32 SEAL 3 AA	
4	4 AA	4 AA	4 AA	4 AA	4 AA	
5	5 AA	5 AA	5 AA	5 AA	5 AA	
6	6 AA	6 AA	6 AA	6 AA	6 AA	ER40 SEAL 6 AA
7		7 AA	7 AA	7 AA	7 AA	
8		8 AA	8 AA	8 AA	8 AA	8 AA
9		9 AA	9 AA	9 AA	9 AA	
10		10 AA	10 AA	10 AA	10 AA	10 AA
11			11 AA	11 AA	11 AA	
12			12 AA	12 AA	12 AA	12 AA
13				13 AA	13 AA	
14				14 AA	14 AA	14 AA
15				15 AA	15 AA	
16				16 AA	16 AA	16 AA
17					17 AA	
18					18 AA	18 AA
19					19 AA	
20					20 AA	20 AA
21						
22						22 AA
23						
24						
25						25 AA

ER-SEAL-AA-JET

ER sealed jet collets – Ultra precision







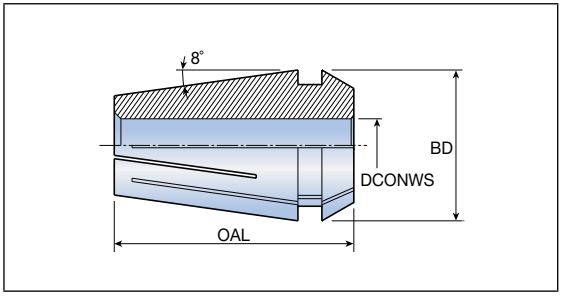
DCONWS	ER16	ER20	ER25	ER32	ER40
4	ER16 SEAL 4 AA JET	ER20 SEAL 4 AA JET	ER25 SEAL 4 AA JET	ER32 SEAL 4 AA JET	
5	5 AA JET	5 AA JET	5 AA JET	5 AA JET	
6	6 AA JET	6 AA JET	6 AA JET	6 AA JET	ER40 SEAL 6 AA JET
7	7 AA JET	7 AA JET	7 AA JET	7 AA JET	
8	8 AA JET	8 AA JET	8 AA JET	8 AA JET	8 AA JET
9	9 AA JET	9 AA JET	9 AA JET	9 AA JET	
10	10 AA JET	10 AA JET	10 AA JET	10 AA JET	10 AA JET
11		11 AA JET	11 AA JET	11 AA JET	
12		12 AA JET	12 AA JET	12 AA JET	12 AA JET
13			13 AA JET	13 AA JET	
14			14 AA JET	14 AA JET	14 AA JET
15			15 AA JET	15 AA JET	
16			16 AA JET	16 AA JET	16 AA JET
17				17 AA JET	
18				18 AA JET	18 AA JET
19				19 AA JET	
20				20 AA JET	20 AA JET
21					
22					22 AA JET
23					
24					
25					25 AA JET

EROH

ER collets for internal coolant







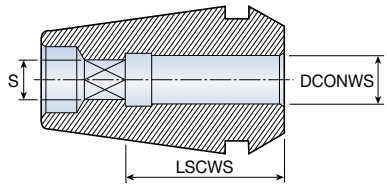
Designation	Dimension (mm)		
	DCONWSrange	BD	OAL
EROH 16	4.0-10.0	17	27.5
EROH 20	6.0-13.0	21	31.5
EROH 25	6.0-16.0	26	34.0
EROH 32	8.0-20.0	33	40.0
EROH 40	10.0-26.0	41	46.0

DCONWS	ER16	ER20	ER25	ER32	ER40
4	EROH 16-4				
5	EROH 16-5				
6	EROH 16-6	EROH 20-6	EROH 25-6		
7	EROH 16-7	EROH 20-7	EROH 25-7		
8	EROH 16-8	EROH 20-8	EROH 25-8	EROH 32-8	
9	EROH 16-9	EROH 20-9	EROH 25-9	EROH 32-9	
10	EROH 16-10	EROH 20-10	EROH 25-10	EROH 32-10	EROH 40-10
11		EROH 20-11	EROH 25-11	EROH 32-11	
12		EROH 20-12	EROH 25-12	EROH 32-12	EROH 40-12
13		EROH 20-13	EROH 25-13	EROH 32-13	
14			EROH 25-14	EROH 32-14	EROH 40-14
15			EROH 25-15	EROH 32-15	
16			EROH 25-16	EROH 32-16	EROH 40-16
17				EROH 32-17	
18				EROH 32-18	EROH 40-18
19				EROH 32-19	
20				EROH 32-20	EROH 40-20
21					
22					EROH 40-22
23					
24					EROH 40-24
25					EROH 40-25
26					

ER TAP (For JIS)

ER type tap collets





Tap size	Dimension (mm)			ER TAP 16	ER TAP 20	ER TAP 25	ER TAP 32	ER TAP 40
	LSCWS	DCONWS	S					
M4	15	5.0	4.0	ER TAP 16-M4	ER TAP 20-M4	ER TAP 25-M4	ER TAP 32-M4	
M5	15	5.5	4.5	ER TAP 16-M5	ER TAP 20-M5	ER TAP 25-M5	ER TAP 32-M5	
M6	15	6.0	4.5	ER TAP 16-M6	ER TAP 20-M6	ER TAP 25-M6	ER TAP 32-M6	
M8	20	6.2	5.0	ER TAP 16-M8	ER TAP 20-M8	ER TAP 25-M8	ER TAP 32-M8	
M10	20	7.0	5.5	ER TAP 16-M10	ER TAP 20-M10	ER TAP 25-M10	ER TAP 32-M10	ER TAP 40-M10
M12	20	8.5	6.5		ER TAP 20-M12	ER TAP 25-M12	ER TAP 32-M12	ER TAP 40-M12
M14	25	10.5	8.0			ER TAP 25-M14	ER TAP 32-M14	ER TAP 40-M14
M16	25	12.5	10.0			ER TAP 25-M16	ER TAP 32-M16	ER TAP 40-M16
M18	30	14.0	11.0				ER TAP 32-M18	ER TAP 40-M18
M20	30	15.0	12.0				ER TAP 32-M20	ER TAP 40-M20
M22	30	17.0	13.0					ER TAP 40-M22
M24	35	19.0	15.0					ER TAP 40-M24
M27	35	20.0	15.0					ER TAP 40-M27

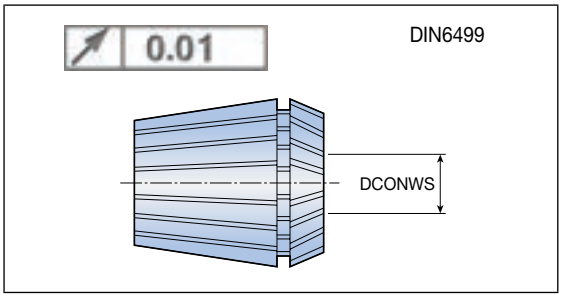
▸ Tap specification is based on JIS (DIN or ISO standard prepared by special quotation)

SET ER-SPR

ER spring collet sets







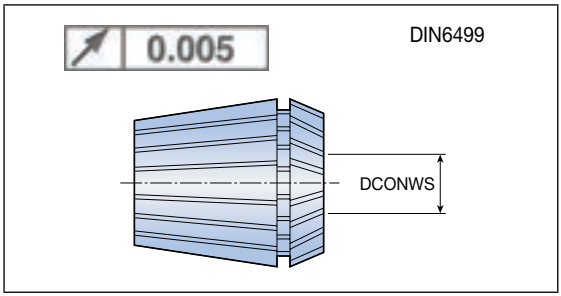
Designation	Pieces / set	DCONWS$_{range}$
SET ER11 SPR 13	13	0.5-7
ER16 SPR 10	10	0.5-10
ER20 SPR 12	12	1-13
ER25 SPR 15	15	1-16
ER32 SPR 18	18	2-20
ER40 SPR 23	23	3-26
ER50 SPR 12	12	10-34

SET ER-SPR-AA

ER spring collet sets – Ultra precision “AA”







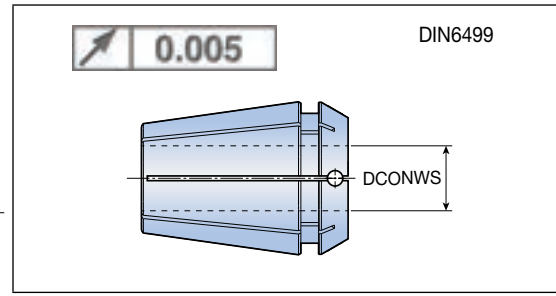
Designation	Pieces / set	DCONWS$_{range}$
SET ER11 SPR 13AA	13	0.5-7
ER16 SPR 10AA	10	0.5-10
ER20 SPR 12AA	12	1-13
ER25 SPR 15AA	15	1-16
ER32 SPR 18AA	18	2-20
ER40 SPR 23AA	23	3-26

SET ER-SEAL-AA

ER sealed collet sets - Ultra precision





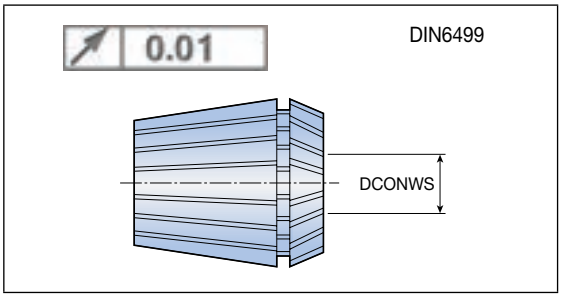


Designation	Pieces / set	DCONWS range
SET ER16 SEAL 7 AA	7	4-10
ER20 SEAL 9 AA	9	4-12
ER25 SEAL 13 AA	13	4-16
ER32 SEAL 17 AA	17	4-20
ER40 SEAL 10 AA	10	6-25

SET ER-SPR-EM

ER spring collet sets





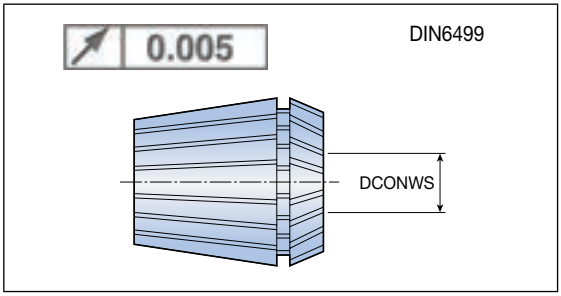
46 ~ 48HRC

Designation	Pieces / set	DCONWSrange
SET ER11 SPR 7 EM	7	1,2,3,4,5,6,7
ER16 SPR 8 EM	8	3, 4, 5, 6, 7, 8, 9, 10
ER20 SPR 5 EM	5	4, 6, 8, 10, 12
ER25 SPR 6 EM	6	4, 6, 8, 10, 12, 16
ER32 SPR 6 EM	6	6, 8, 10, 12, 16, 20
ER40 SPR 7 EM	7	6, 8, 10, 12, 16, 20, 25

SET ER-SPR-EM AA

ER spring collet sets – Ultra precision “AA”





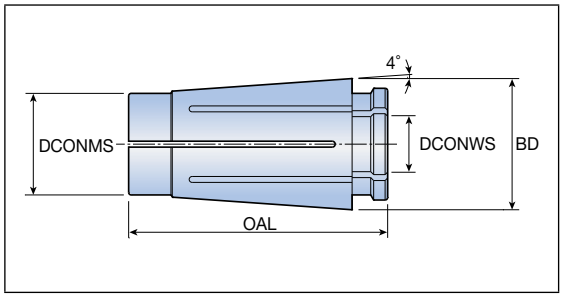
46 ~ 48HRC

Designation	Pieces / set	DCONWSrange
SET ER11 SPR 7 EM AA	7	1,2,3,4,5,6,7

TSK

TSK collets





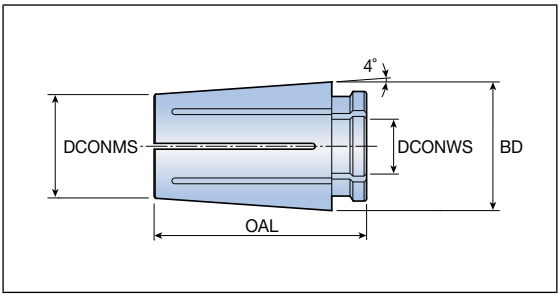
Designation	Dimension (mm)			
	DCONWSrange	BD	DCONMS	OAL
TSK 06	2.0-6.0	10.4	7.5	25.0
TSK 10	2.0-10.0	15.5	12.0	30.6
TSK 16	3.0-16.0	24.6	18.8	45.0
TSK 25	8.0-25.0	35.7	28.8	57.0

DCONWSrange	TSK 06	TSK 10	TSK 16	TSK 25
1.5-2.0	TSK 06-2.0	TSK 10-2.0		
2.5-3.0	TSK 06-3.0	TSK 10-3.0	TSK 16-3.0	
3.5-4.0	TSK 06-4.0	TSK 10-4.0	TSK 16-4.0	
4.5-5.0	TSK 06-5.0	TSK 10-5.0	TSK 16-5.0	
5.5-6.0	TSK 06-6.0	TSK 10-6.0	TSK 16-6.0	
6.5-7.0		TSK 10-7.0	TSK 16-7.0	
7.5-8.0		TSK 10-8.0	TSK 16-8.0	TSK 25-8.0
8.5-9.0		TSK 10-9.0	TSK 16-9.0	
9.5-10.0		TSK 10-10.0	TSK 16-10.0	TSK 25-10.0
10.5-11.0			TSK 16-11.0	
11.5-12.0			TSK 16-12.0	TSK 25-12.0
12.5-13.0			TSK 16-13.0	
13.5-14.0			TSK 16-14.0	TSK 25-14.0
14.5-15.0			TSK 16-15.0	
15.5-16.0			TSK 16-16.0	TSK 25-16.0
16.5-17.0				TSK 25-17.0
17.5-18.0				TSK 25-18.0
18.5-19.0				TSK 25-19.0
19.5-20.0				TSK 25-20.0
20.5-21.0				TSK 25-21.0
21.5-22.0				TSK 25-22.0
22.5-23.0				TSK 25-23.0
23.5-24.0				TSK 25-24.0
24.5-25.0				TSK 25-25.0

TSKC

Internal coolant type collets for TSK chucks





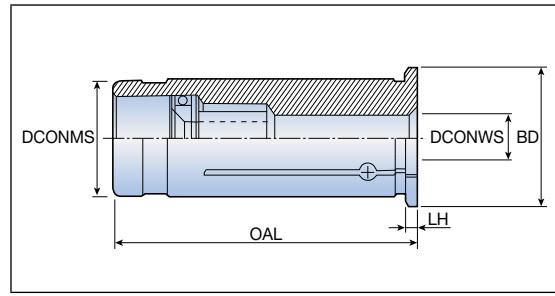
Designation	Dimension (mm)			
	DCONWS range	BD	DCONMS	OAL
TSKC 06	4.0-6.0	10.4	8.00	21.0
TSKC 10	6.0-10.0	15.5	12.50	25.6
TSKC 16	8.0-16.0	24.6	20.12	37.0
TSKC 25	16.0-25.0	35.7	29.70	48.5

DCONWS range	TSKC 06	TSKC 10	TSKC 16	TSKC 25
4	TSKC 06-4.0			
6	TSKC 06-6.0	TSKC 10-6.0		
8		TSKC 10-8.0	TSKC 16-8.0	
9		TSKC 10-9.0		
10		TSKC 10-10.0	TSKC 16-10.0	
12			TSKC 16-12.0	
16			TSKC 16-16.0	TSKC 25-16.0
18				TSKC 25-18.0
20				TSKC 25-20.0
25				TSKC 25-25.0

THC

Straight collets for hydraulic chucks



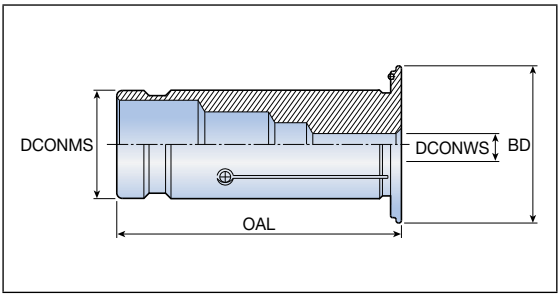


Designation	Dimension (mm)				
	DCONMS	DCONWS	BD	OAL	LH
THC 12-3	12	3	16	46.5	2
12-4	12	4	16	46.5	2
12-5	12	5	16	46.5	2
12-6	12	6	16	46.5	2
12-7	12	7	16	46.5	2
12-8	12	8	16	46.5	2
12-9	12	9	16	46.5	2
20-3	20	3	24	50.5	2
20-4	20	4	24	50.5	2
20-5	20	5	24	50.5	2
20-6	20	6	24	50.5	2
20-7	20	7	24	50.5	2
20-8	20	8	24	50.5	2
20-9	20	9	24	50.5	2
20-10	20	10	24	50.5	2
20-11	20	11	24	50.5	2
20-12	20	12	24	50.5	2
20-13	20	13	24	50.5	2
20-14	20	14	24	50.5	2
20-15	20	15	24	50.5	2
20-16	20	16	24	50.5	2
32-6	32	6	36	60.5	3
32-8	32	8	36	60.5	3
32-10	32	10	36	60.5	3
32-12	32	12	36	60.5	3
32-14	32	14	36	60.5	3
32-16	32	16	36	60.5	3
32-18	32	18	36	60.5	3
32-20	32	20	36	60.5	3
32-25	32	25	36	60.5	3

THC C

Straight collets of internal coolant type for hydraulic chucks



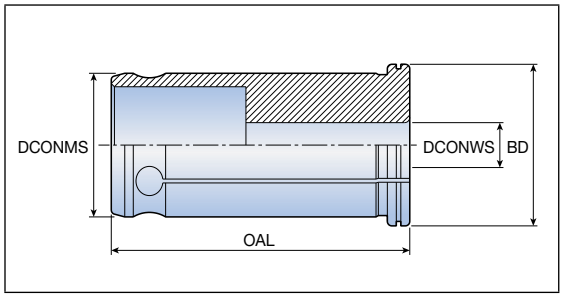


Designation	Dimension (mm)			
	DCONMS	DCONWS	BD	OAL
THC C12-3	12	3	19	47.0
C12-4	12	4	19	47.0
C12-5	12	5	19	47.0
C12-6	12	6	19	47.0
C12-7	12	7	19	47.0
C12-8	12	8	19	47.0
C20-3	20	3	29	52.5
C20-4	20	4	29	52.5
C20-5	20	5	29	52.5
C20-6	20	6	29	52.5
C20-7	20	7	29	52.5
C20-8	20	8	29	52.5
C20-9	20	9	29	52.5
C20-10	20	10	29	52.5
C20-11	20	11	29	52.5
C20-12	20	12	29	52.5
C20-13	20	13	29	52.5
C20-14	20	14	29	52.5
C20-15	20	15	29	52.5
C20-16	20	16	29	52.5
C20-17	20	17	29	52.5
C32-6	32	6	39	63.5
C32-8	32	8	39	63.5
C32-10	32	10	39	63.5
C32-12	32	12	39	63.5
C32-14	32	14	39	63.5
C32-16	32	16	39	63.5
C32-18	32	18	39	63.5
C32-20	32	20	39	63.5
C32-25	32	25	39	63.5

NCSR

Straight collets for milling chucks: general type



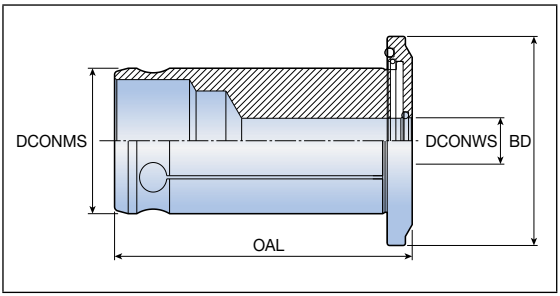


Designation	Dimension (mm)			
	DCONMS	DCONWS	BD	OAL
NCSR 20-6	20	6	25	55
20-8	20	8	25	55
20-10	20	10	25	55
20-12	20	12	25	55
20-16	20	16	25	55
25-6	25	6	29	59
25-8	25	8	29	59
25-10	25	10	29	59
25-12	25	12	29	59
25-16	25	16	29	59
25-20	25	20	29	59
32-6	32	6	36	65
32-8	32	8	36	65
32-10	32	10	36	65
32-12	32	12	36	65
32-16	32	16	36	65
32-20	32	20	36	65
32-25	32	25	36	65
42-6	42	6	45	70
42-8	42	8	45	70
42-10	42	10	45	70
42-12	42	12	45	70
42-16	42	16	45	70
42-20	42	20	45	70
42-25	42	25	45	70
42-32	42	32	45	70

NCSR-C

Straight collets for milling chucks: internal coolant type





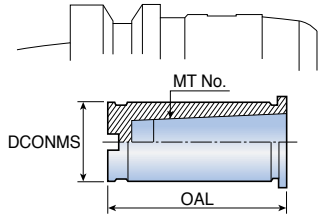
Designation		Dimension (mm)			
		DCONMS	DCONWS	BD	OAL
NCSR	**20-6C**	20	6	34.4	55
	20-8C	20	8	34.4	55
	20-10C	20	10	34.4	55
	20-12C	20	12	34.4	55
	20-16C	20	16	34.4	55
	25-6C	25	6	39.4	59
	25-8C	25	8	39.4	59
	25-10C	25	10	39.4	59
	25-12C	25	12	39.4	59
	25-16C	25	16	39.4	59
	25-20C	25	20	39.4	59
	32-6C	32	6	46	65
	32-8C	32	8	46	65
	32-10C	32	10	46	65
	32-12C	32	12	46	65
	32-16C	32	16	46	65
	32-20C	32	20	46	65

NCMR

Collet for milling chucks - Morse taper adapter for milling chuck



NCMR type



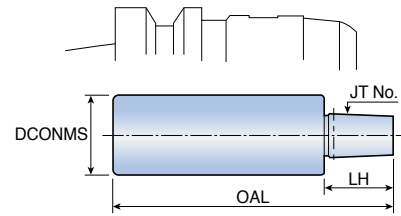
Designation		MT No.	Dimension (mm)		Application chuck
			DCONMS	OAL	
NCMR	**32-1**	1	32	60	NTMC 32
	32-2	2	32	72	NTMC 32
	32-3	3	32	90	NTMC 32
	42-1	1	42	60	NTMC 42
	42-2	2	42	72	NTMC 42
	42-3	3	42	90	NTMC 42
	42-4	4	42	113	NTMC 42

CJA

Collet for milling chucks - Jacobs taper adapter for milling chuck



CJA type

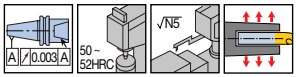


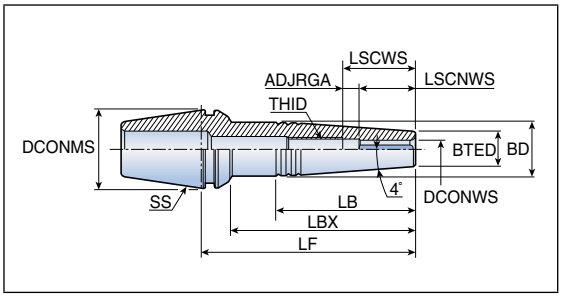
Designation		JT No.	Dimension (mm)			Application chuck
			DCONMS	OAL	LH	
CJA	**32-6**	6	32	118	28	NTMC 32

ER-SRK-CX

CX coolant type T-SHRINK ER collets DIN6499





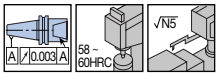


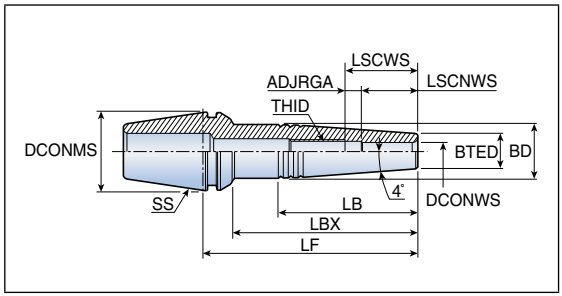
Designation		Dimension (mm)												
		SS	DCONWS	DCONMS	BTED	BD	LB	LBX	LF	ADJRGA	LSCNWS	LSCWS	THID	Hex key
ER32	**SRK 3x35 CX**	ER32	3	32	10	13.5	25.0	35	45	-	10	-	-	-
	SRK 3x60 CX	ER32	3	32	10	16.3	45.0	60	70	-	10	-	-	-
	SRK 4x35 CX	ER32	4	32	10	13.5	25.0	35	45	-	12	-	-	-
	SRK 4x60 CX	ER32	4	32	10	16.3	45.0	60	70	-	12	-	-	-
	SRK 5x35 CX	ER32	5	32	10	13.5	25.0	35	45	-	15	-	-	-
	SRK 5x60 CX	ER32	5	32	10	16.3	45.0	60	70	-	15	-	-	-
	SRK 6x35 CX	ER32	6	32	11	14.7	26.5	35	45	7	18	27	M5	2.5
	SRK 6x60 CX	ER32	6	32	11	17.3	45.0	60	70	7	18	27	M5	2.5
	SRK 8x35 CX	ER32	8	32	14	18.9	-	35	45	7	25	35	M6	3
	SRK 8x60 CX	ER32	8	32	14	20.4	45.8	60	70	7	25	35	M6	3
	SRK 10x35 CX	ER32	10	32	16	20.9	-	35	45	7	30	39	M8	4
	SRK 10x60 CX	ER32	10	32	16	22.4	45.8	60	70	7	30	39	M8	4
	SRK 12x35 CX	ER32	12	32	20	24.0	28.6	35	45	7	32	41	M10	5
	SRK 12x60 CX	ER32	12	32	20	24.0	28.6	60	70	7	32	41	M10	5

ER-SRK

T-SHRINK ER collets DIN6499







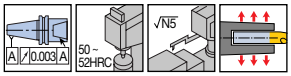
Designation		Dimension (mm)												
		SS	DCONWS	DCONMS	BTED	BD	LB	LBX	LF	ADJRGA	LSCNWS	LSCWS	THID	Hex key
ER11	**SRK 3x10**[1]	ER11	3	-	7.6	8.5	-	10	-	-	-	10	-	-
	SRK 3x25[1]	ER11	3	-	7.6	8.5	-	25	-	-	-	10	-	-
	SRK 4x10[1]	ER11	4	-	7.6	8.5	-	10	-	-	-	12	-	-
	SRK 4x25[1]	ER11	4	-	7.6	8.5	-	25	-	-	-	12	-	-
ER20	**SRK 3x35**	ER20	3	20	10	13.5	24.5	35	43.5	6	10	16	M6	3.0
	SRK 3x60	ER20	3	20	10	13.5	24.5	60	68.5	6	10	16	M6	3.0
	SRK 4x35	ER20	4	20	10	13.5	24.5	35	43.5	6	12	18	M6	3.0
	SRK 4x60	ER20	4	20	10	13.5	24.5	60	68.5	6	12	18	M6	3.0
	SRK 5x35	ER20	5	20	10	13.5	24.5	35	43.5	6	15	21	M6	3.0
	SRK 5x60	ER20	5	20	10	13.5	24.5	60	68.5	6	15	21	M6	3.0
	SRK 6x35	ER20	6	20	11	13.5	25.5	35	43.5	6	18	24	M8	4.0
	SRK 6x60	ER20	6	20	11	13.5	29.5	60	68.5	6	18	24	M8	4.0
ER25	**SRK 3x35**	ER25	3	25	10	13.5	24.5	35	44	6	10	16	M6	3.0
	SRK 3x60	ER25	3	25	10	16.3	44.5	60	69	6	10	16	M6	3.0
	SRK 4x35	ER25	4	25	10	13.5	24.5	35	44	6	12	18	M6	3.0
	SRK 4x60	ER25	4	25	10	16.3	44.5	60	69	6	12	18	M6	3.0
	SRK 5x35	ER25	5	25	10	13.5	24.5	35	44	6	15	21	M6	3.0
	SRK 5x60	ER25	5	25	10	16.3	44.5	60	69	6	15	21	M6	3.0
	SRK 6x35	ER25	6	25	11	14.7	26.0	35	44	6	18	24	M8	4.0
	SRK 6x60	ER25	6	25	11	17.3	44.5	60	69	6	18	24	M8	4.0
	SRK 8x35	ER25	8	25	14	17.8	26.5	35	44	5	25	30	M10	5.0
	SRK 8x60	ER25	8	25	14	17.9	39.5	60	69	6	25	31	M10	5.0

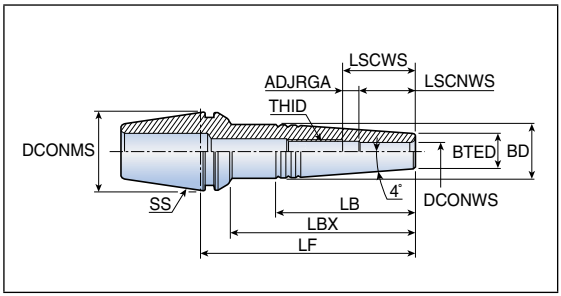
▸ [1] To be used only for TYPHOON spindles

ER-SRK

T-SHRINK ER collets DIN6499







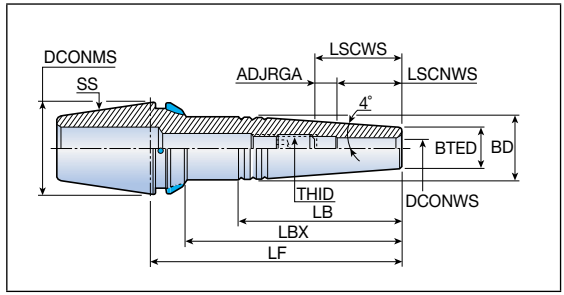
Designation		Dimension (mm)												
		SS	DCONWS	DCONMS	BTED	BD	LB	LBX	LF	ADJRGA	LSCNWS	LSCWS	THID	Hex key
ER32	**SRK 3x35**	ER32	3	32	10	13.5	22.5	35	45	6	10	16	M6	3.0
	SRK 3x60	ER32	3	32	10	16.3	44.5	60	70	6	10	16	M6	3.0
	SRK 3x85	ER32	3	32	10	19.8	70.0	85	95	6	10	16	M6	3.0
	SRK 4x35	ER32	4	32	10	13.5	23.5	35	45	6	12	18	M6	3.0
	SRK 4x60	ER32	4	32	10	16.3	44.5	60	70	6	12	18	M6	3.0
	SRK 4x85	ER32	4	32	10	19.8	70.0	85	95	6	12	18	M6	3.0
	SRK 5x35	ER32	5	32	10	13.5	24.5	35	45	6	15	21	M6	3.0
	SRK 5x60	ER32	5	32	10	16.3	44.5	60	70	6	15	21	M6	3.0
	SRK 5x85	ER32	5	32	10	19.8	70.0	85	95	6	15	21	M6	3.0
	SRK 6x35	ER32	6	32	11	14.7	25.5	35	45	6	18	24	M8	4.0
	SRK 6x60	ER32	6	32	11	17.3	45.0	60	70	6	18	24	M8	4.0
	SRK 6x85	ER32	6	32	11	20.8	69.5	85	95	8	18	26	M8	4.0
	SRK 8x35	ER32	8	32	14	18.9	33.0	35	45	6	25	31	M10	5.0
	SRK 8x60	ER32	8	32	14	20.4	45.0	60	70	6	25	31	M10	5.0
	SRK 8x85	ER32	8	32	14	23.2	65.0	85	95	6	25	31	M10	5.0
	SRK 10x35	ER32	10	32	16	20.8	34.0	35	45	5	30	35	M12	6.0
	SRK 10x60	ER32	10	32	16	22.4	44.5	60	70	6	30	36	M12	6.0
	SRK 10x85	ER32	10	32	16	23.0	49.5	85	95	6	30	36	M12	6.0
	SRK 12x35	ER32	12	32	20	24.0	28.0	35	45	-	32	-	-	-
	SRK 12x60	ER32	12	32	20	24.0	28.0	60	70	6	32	38	M14	6.0
	SRK 12x85	ER32	12	32	20	24.0	28.0	85	95	6	32	38	M14	6.0

▸ Only use inductive heating device for T-SHRINK holders

ER-SRK-JET2

T-SHRINK ER collets DIN6499

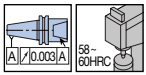




Designation		Dimension (mm)													
		SS	DCONWS	DCONMS	BTED	BD	LB	LBX	LF	ADJRGA	LSCNWS	LSCWS	THID	Hex key
ER20	**SRK 3x35 JET2**	ER20	3	20	10	13.5	24.5	35	43.5	6	10	16	M6	3.0
	SRK 4x35 JET2	ER20	4	20	10	13.5	24.5	35	43.5	6	12	18	M6	3.0
	SRK 5x35 JET2	ER20	5	20	10	13.5	24.5	35	43.5	6	15	21	M6	3.0
	SRK 6x35 JET2	ER20	6	20	11	13.5	25.5	35	43.5	6	18	24	M8	4.0
ER25	**SRK 3x35 JET2**	ER25	3	25	10	13.5	24.5	35	44	6	10	16	M6	3.0
	SRK 3x60 JET2	ER25	3	25	10	16.3	44.5	60	69	6	10	16	M6	3.0
	SRK 4x35 JET2	ER25	4	25	10	13.5	24.5	35	44	6	12	18	M6	3.0
	SRK 4x60 JET2	ER25	4	25	10	16.3	44.5	60	69	6	12	18	M6	3.0
	SRK 5x35 JET2	ER25	5	25	10	13.5	24.5	35	44	6	15	21	M6	3.0
	SRK 5x60 JET2	ER25	5	25	10	16.3	44.5	60	69	6	15	21	M6	3.0
	SRK 6x35 JET2	ER25	6	25	11	14.7	26.0	35	44	6	18	24	M8	4.0
	SRK 6x60 JET2	ER25	6	25	11	17.3	44.5	60	69	6	18	24	M8	4.0
	SRK 8x35 JET2	ER25	8	25	14	17.8	26.5	35	44	5	25	30	M10	5.0
	SRK 8x60 JET2	ER25	8	25	14	17.9	39.5	60	69	6	25	31	M10	5.0
ER32	**SRK 3x35 JET2**	ER32	3	32	10	13.5	22.5	35	45	6	10	16	M6	3.0
	SRK 3x60 JET2	ER32	3	32	10	16.3	44.5	60	70	6	10	16	M6	3.0
	SRK 3x85 JET2	ER32	3	32	10	19.8	70.0	85	95	6	10	16	M6	3.0
	SRK 4x35 JET2	ER32	4	32	10	13.5	23.5	35	45	6	12	18	M6	3.0
	SRK 4x60 JET2	ER32	4	32	10	16.3	44.5	60	70	6	12	18	M6	3.0
	SRK 4x85 JET2	ER32	4	32	10	19.8	70.0	85	95	6	12	18	M6	3.0
	SRK 5x35 JET2	ER32	5	32	10	13.5	24.5	35	45	6	15	21	M6	3.0
	SRK 5x60 JET2	ER32	5	32	10	16.3	44.5	60	70	6	15	21	M6	3.0
	SRK 5x85 JET2	ER32	5	32	10	19.8	70.0	85	95	6	15	21	M6	3.0
	SRK 6x35 JET2	ER32	6	32	11	14.7	25.5	35	45	6	18	24	M8	4.0
	SRK 6x60 JET2	ER32	6	32	11	17.3	45.0	60	70	6	18	24	M8	4.0
	SRK 6x85 JET2	ER32	6	32	11	20.8	69.5	85	95	8	18	26	M8	4.0
	SRK 8x35 JET2	ER32	8	32	14	18.8	33.0	35	45	6	25	31	M10	5.0
	SRK 8x60 JET2	ER32	8	32	14	20.4	45.0	60	70	6	25	31	M10	5.0
	SRK 8x85 JET2	ER32	8	32	14	23.2	65.0	85	95	6	25	31	M10	5.0
	SRK 10x35 JET2	ER32	10	32	16	20.8	34.0	35	45	5	30	35	M12	6.0
	SRK 10x60 JET2	ER32	10	32	16	22.4	44.5	60	70	6	30	36	M12	6.0
	SRK 10x85 JET2	ER32	10	32	16	23.0	49.5	85	95	6	30	36	M12	6.0
	SRK 12x35 JET2	ER32	12	32	20	24.0	28.0	35	45	-	32	-	-	-
	SRK 12x60 JET2	ER32	12	32	20	24.0	28.0	60	70	6	32	38	M14	6.0
	SRK 12x85 JET2	ER32	12	32	20	24.0	28.0	85	95	6	32	38	M14	6.0

T-FLEXTEC holder





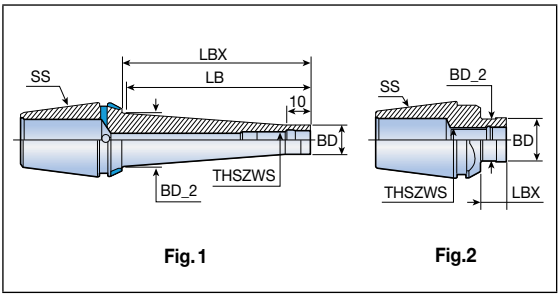


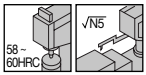
Fig.1 Fig.2

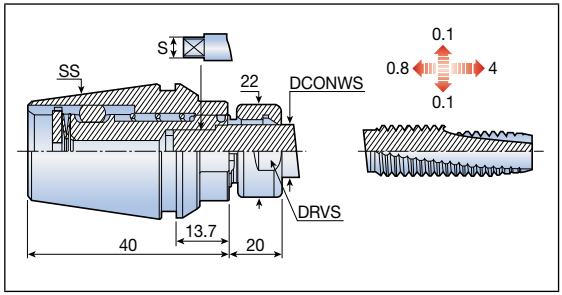
Designation	Dimension (mm)						
	SS	THSZWS	BD	BD_2	LB	LBX	Fig.
ER 25 ODP M12x10	ER25	M12	20.0	20.0	10	10.0	2
32 ODP M12x10	ER32	M12	10.0	10.0	21	20.6	2
32 ODP M12x25	ER32	M12	24.0	25.0	21	24.0	1

GTIN ER

GTIN ER collets







GTIN ER 32 - DIN 371 / 352

Designation		Dimension (mm)					
		SS	DCONWS	Tapmin	Tapmax	S	DRVS
GTIN ER32	DIN 2.50x2.10	ER32	2.5	M1	M1.8	2.1	20
	DIN 2.80x2.10	ER32	2.8	M2	M4	2.1	20
	DIN 3.50x2.70	ER32	3.5	M3	M5	2.7	20
	DIN 4.00x3.00	ER32	4.0	M3.5	M3.5	3.0	20
	DIN 4.50x3.40	ER32	4.5	M4	M6	3.4	20
	DIN 6.00x4.90	ER32	6.0	M5	M8	4.9	20
	DIN 7.00x5.50	ER32	7.0	M7	M10	5.5	20
	DIN 8.00x6.20	ER32	8.0	M8	M8	6.2	20
	DIN 9.00x7.00	ER32	9.0	M12	M12	7.0	20
	DIN 10.00x8.00	ER32	10.0	M10	M10	8.0	20
	DIN 11.00x9.00	ER32	11.0	M14	M14	9.0	20
	DIN 12.00x9.00	ER32	12.0	M16	M16	9.0	20

GTIN ER 32 - JIS

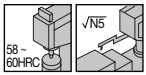
Designation		Dimension (mm)					
		SS	DCONWS	Tapmin	Tapmax	S	DRVS
GTIN ER32	JIS 3.00x2.50	ER32	3.0	M1	M2.6	2.5	20
	JIS 4.00x3.20	ER32	4.0	M3	M3.5	3.2	20
	JIS 5.00x4.00	ER32	5.0	M4	M4	4.0	20
	JIS 6.00x4.50	ER32	6.0	M6	M6	4.5	20
	JIS 6.20x5.00	ER32	6.2	M8	M8	5.0	20
	JIS 7.00x5.50	ER32	7.0	M10	M10	5.5	20
	JIS 8.50x6.50	ER32	8.5	M12	M12	6.5	20
	JIS 10.50x8.00	ER32	10.5	M14	M14	8.0	20
	JIS 12.50x10.00	ER32	12.5	M16	M16	10.0	20

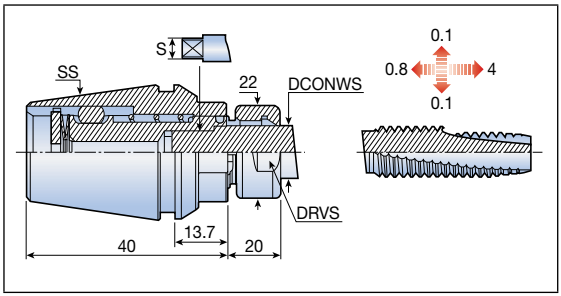
▸ No coolant should be induced through the tap collet, as it will cause malfunctioning of the mechanism

GTIN ER

GTIN ER collets







GTIN ER32 - ISO metric ISO 529/2283

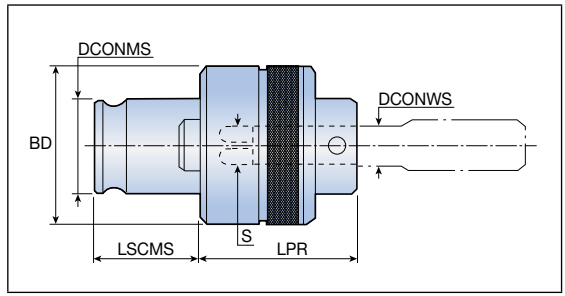
Designation		Dimension (mm)					
		SS	DCONWS	Tap$_{min}$	Tap$_{max}$	S	DRVS
GTIN ER32	**ISO 2.24x1.80**	ER32	2.24	M3	M3	1.80	20
	ISO 2.50x2.00	ER32	2.50	M3.5	M3.5	2.00	20
	ISO 2.80x2.24	ER32	2.80	M2.2	M2.5	2.24	20
	ISO 3.15x2.50	ER32	3.15	M3	M4	2.50	20
	ISO 3.55x2.80	ER32	3.55	M3.5	M4.5	2.80	20
	ISO 4.00x3.15	ER32	4.00	M4	M5	3.15	20
	ISO 4.50x3.55	ER32	4.50	M6	M6	3.55	20
	ISO 5.00x4.00	ER32	5.00	M5	M5	4.00	20
	ISO 5.60x4.50	ER32	5.60	UNC#12-24	UNC (ONLY)	4.50	20
	ISO 6.30x5.00	ER32	6.30	M6	M8	5.00	20
	ISO 7.10x5.60	ER32	7.10	UNC#3/8-16	UNC (ONLY)	5.60	20
	ISO 8.00x6.30	ER32	8.00	M8	M10	6.30	20
	ISO 9.00x7.10	ER32	9.00	M12	M12	7.10	20
	ISO 10.00x8.00	ER32	10.00	M10	M10	8.00	20
	ISO 11.20x9.00	ER32	11.20	M14	M14	9.00	20
	ISO 12.50x10.00	ER32	12.50	M16	M16	10.00	20

▸ No coolant should be induced through the tap collet, as it will cause malfunctioning of the mechanism

TA (For JIS)

Tap adapters

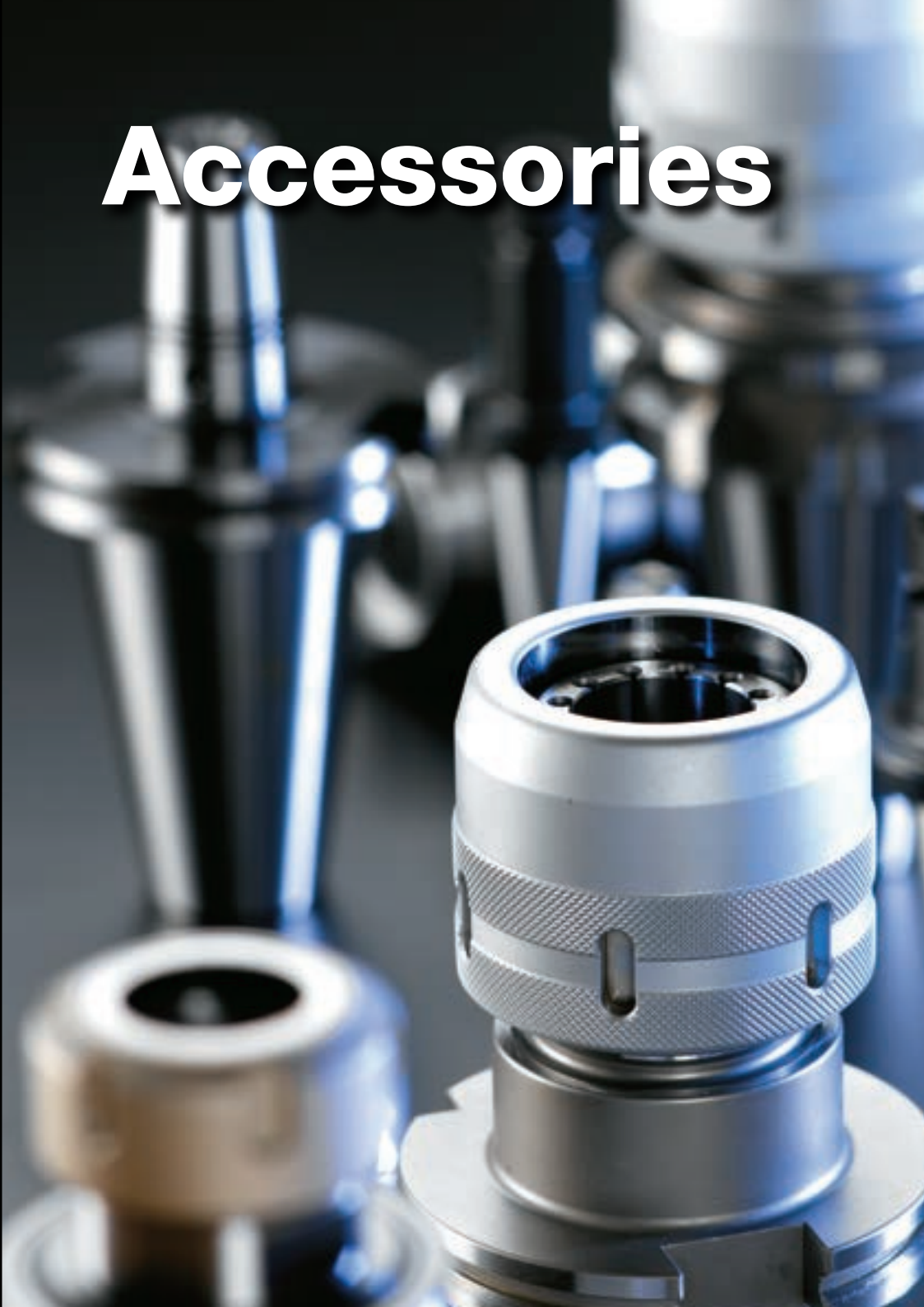




Designation	Dimension (mm)					
	DCONMS	DCONWS	BD	LPR	LSCMS	S
TA 1-M3	19	4.0	32	25	21.5	3.2
1-M4	19	5.0	32	25	21.5	4.0
1-M5	19	5.5	32	25	21.5	4.5
1-M6	19	6.0	32	25	21.5	4.5
1-M8	19	6.2	32	25	21.5	5.0
1-M10	19	7.0	32	25	21.5	5.5
1-M12	19	8.5	32	25	21.5	6.5
2-M6	31	6.0	50	33	35.5	4.5
2-M8	31	6.2	50	33	35.5	5.0
2-M10	31	7.0	50	33	35.5	5.5
2-M12	31	8.5	50	33	35.5	6.5
2-M14	31	10.5	50	33	35.5	8.0
2-M16	31	12.5	50	33	35.5	10.0
2-M18	31	14.0	50	33	35.5	11.0
2-M20	31	15.0	50	33	35.5	12.0
2-M22	31	17.0	50	33	35.5	13.0
2-M24	31	19.0	50	33	35.5	15.0
3-M18	48	14.0	72	45	55.5	11.0
3-M20	48	15.0	72	45	55.5	12.0
3-M22	48	17.0	72	45	55.5	13.0
3-M24	48	19.0	72	45	55.5	15.0
3-M27	48	20.0	72	45	55.5	15.0
3-M30	48	23.0	72	45	55.5	17.0
3-M33	48	25.0	72	45	55.5	19.0
3-M36	48	28.0	72	45	55.5	19.0
3-M38	48	28.0	72	45	55.5	21.0

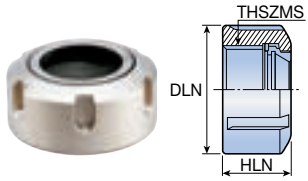
▸ Based on JIS standard tap

Accessories



NUT ER TOP

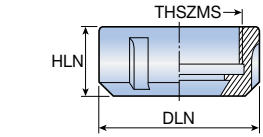
ER - Top™ clamping nuts



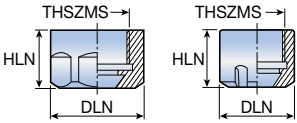
Designation	Dimension (mm)		
	DLN	HLN	THSZMS
NUT ER16 TOP	28	17	M22x1.5
ER20 TOP	34	19	M25x1.5
ER25 TOP	42	20	M32x1.5
ER32 TOP	50	22	M40x1.5
ER40 TOP	63	25	M50x1.5

NUT ER MINI/UM

ER clamping nuts



ER 25, 32, 40, 50 UM

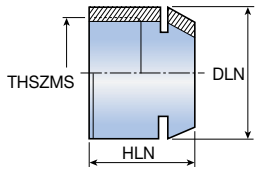


ER 16, 20 UM **ER 11, 16, 20, 25 MINI**

Designation	Dimension (mm)		
	DLN	HLN	THSZMS
NUT ER11 MINI	16	10.8	M13x0.75
ER11 UM	19	11.3	M14x0.75
ER16 MINI	22	18.0	M19x1.0
ER16 UM	28	17.0	M22x1.5
ER20 MINI	28	19.0	M24x1.0
ER20 UM	34	19.0	M25x1.5
ER25 MINI	35	20.0	M30x1.5
ER25 UM	42	20.0	M32x1.5
ER32 UM	50	22.0	M40x1.5
ER40 UM	63	25.0	M50x1.5
ER50 UM	78	55.0	M64x2.0

NUT ER11 GHS

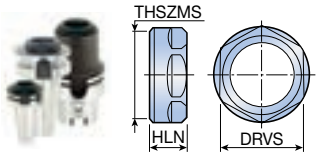
Tightening nuts



Designation	Dimension (mm)			
	DLN	HLN	THSZMS	Wrench
NUT ER11 GHS	16	11.5	M13x0.75	WRENCH ER11 SMS

NUT ER SHORT

T-SHORT nuts



Designation	Dimension (mm)		
	DRVS	HLN	THSZMS
NUT ER20 SHORT	22	10.7	M25x1.5
ER32 SHORT	36	15.0	M40x1.5
ER40 SHORT	46	16.0	M50x1.5

TSKN

TSK clamping nuts

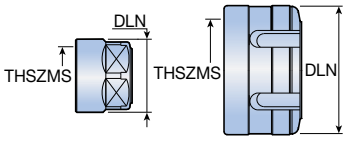


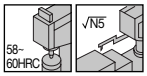
Fig.1 Fig.2

Designation	Dimension (mm)		Fig.
	DLN	THSZMS	
TSKN 6	20	M15x1.0	1
10	28	M21.5x1.0	1
16	40	M32x1.5	2
25	55	M45x1.5	2

PS SK-DIN

Pull studs DIN69872 with JIS63398 retention knob





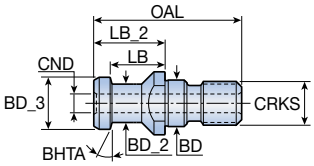


Fig.1

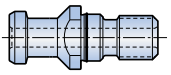


Fig.2

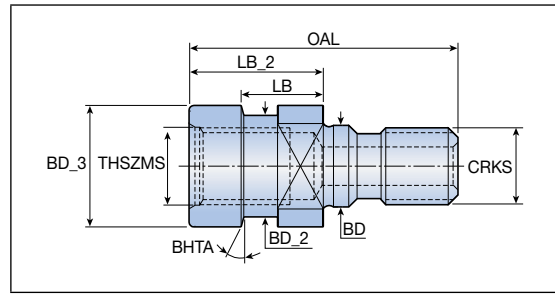
Designation	Dimension (mm)									Fig.
	CRKS	BD	BD_2	BD_3	CND	LB	LB_2	OAL	BHTA	
PS SK30 15 M12 DIN	M12	13	9.0	13.00	-	19.00	24.00	44.0	15	1
PS SK40 15 M16 DIN	M16	17	14.0	19.00	-	20.00	26.00	54.0	15	1
15 M16 DIN O	M16	17	14.0	19.00	-	20.00	26.00	54.0	15	2
15 M16 DIN B	M16	17	14.0	19.00	7.00	20.00	26.00	54.0	15	1
15 M16 DIN OB	M16	17	14.0	19.00	7.00	20.00	26.00	54.0	15	2
PS SK50 15 M24 DIN	M24	25	21.0	28.00	-	25.00	34.00	74.0	15	1
15 M24 DIN O	M24	25	21.0	28.00	-	25.00	34.00	74.0	15	2
15 M24 DIN B	M24	25	21.0	28.00	11.50	25.00	34.00	74.0	15	1

- Coolant holes only in items with a "B" suffix
- Fig. 2: With external O-ring

PS OTT BT/SK

Pull studs OTT system





Designation		Dimension (mm)								
		CRKS	THSZMS	BD	BD_2	BD_3	LB	LB_2	OAL	BHTA
PS OTT	**BT40 M16**	M16	M16	17	21.1	25.0	16.60	28	56	15
	BT50 M24	M24	M24	24	32.0	39.3	13.35	25	65	15
	SK40 M16	M16	M16	17	21.1	25.0	13.60	25	53	15

PS BT-JIS/MAZAK

Pull studs BT-JIS 63398 / ANSI-metric for MAZAK machine



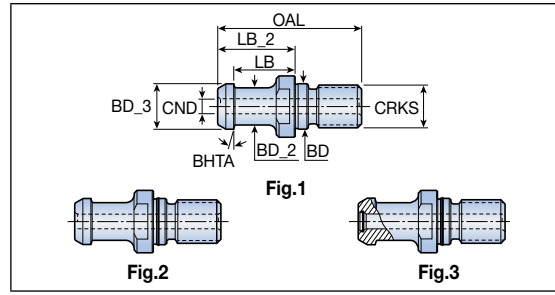


Fig.1

Fig.2

Fig.3

Designation		Dimension (mm)									Fig.
		CRKS	BD	BD_2	BD_3	CND	LB	LB_2	OAL	BHTA	
PS	**BT30 15 M12 JIS B**	M12	13	8.00	12.00	4.0	18.40	23.4	43.0	15	1
	BT40 15 M16 JIS B	M16	17	14.00	19.00	5.5	23.00	29.0	54.0	15	1
	BT40 15 M16 JIS O B	M16	17	14.00	19.00	5.5	23.00	29.0	54.0	15	2
	BT40 15 M16 JIS O B O	M16	17	14.00	19.00	5.5	23.00	29.0	54.0	15	3
	BT50 15 M24 JIS B	M24	25	21.00	28.00	8.0	25.00	34.0	74.0	15	1
	BT40 45 M16 MAZAK B	M16	17	12.45	18.79	7.0	14.02	19.1	44.1	45	1
	BT50 45 M24 MAZAK B	M24	25	20.83	28.95	8.0	17.58	25.2	65.2	45	1

- Fig. 1: Coolant holes only in items with a "B" suffix
- Fig. 2: With external O-ring and coolant hole
- Fig. 3: With external and internal O-rings and coolant hole

PS BT-MAS

Pull studs BT-MAS-metric



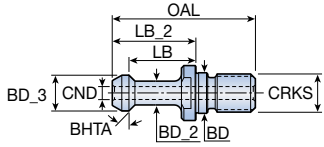


Fig.1

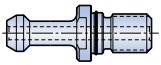


Fig.2

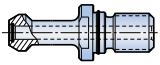


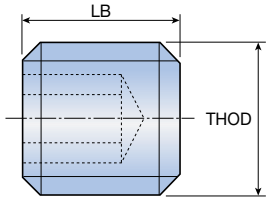
Fig.3

Designation		Dimension (mm)									Fig.
		CRKS	BD	BD_2	BD_3	CND	LB	LB_2	OAL	BHTA	
PS BT30	**45 M12 MAS1**	M12	12.5	7	11	-	18	23	43	45	1
	45 M12 MAS1 B	M12	12.5	7	11	3.0	18	23	43	45	1
	60 M12 MAS2	M12	12.5	7	11	-	18	23	43	30	1
PS BT40	**45 M16 MAS1**	M16	17.0	10	15	-	28	35	60	45	1
	45 M16 MAS1 B	M16	17.0	10	15	5.5	28	35	60	45	1
	60 M16 MAS2	M16	17.0	10	15	-	28	35	60	30	1
	60 M16 MAS2 B	M16	17.0	10	15	5.5	28	35	60	30	1
	90 M16 MAS3	M16	17.0	10	15	-	28	35	60	90	1
	90 M16 MAS3 B	M16	17.0	10	15	5.5	28	35	60	90	1
PS BT50	**45 M24 MAS1**	M24	25.0	17	23	-	35	45	85	45	1
	45 M24 MAS1 B	M24	25.0	17	23	6.0	35	45	85	45	1
	45 M24 MAS1 O B	M24	25.0	17	23	6.0	35	45	85	45	2
	45 M24 MAS1 O B O	M24	25.0	17	23	6.0	35	45	85	45	3
	60 M24 MAS2	M24	25.0	17	23	-	35	45	85	30	1
	60 M24 MAS2 B	M24	25.0	17	23	6.0	35	45	85	30	1
	60 M24 MAS2 OB	M24	25.0	17	23	6.0	35	45	85	60	2
	90 M24 MAS3	M24	25.0	17	23	-	35	45	85	90	1
	90 M24 MAS3 B	M24	25.0	17	23	6.0	35	45	85	90	1

- Fig. 1: Coolant holes only in items with a "B" suffix
- Fig. 2: With external O-ring and coolant hole
- Fig. 3: With external and internal O-rings and coolant hole

SR-DIN

Lock screw DIN1835 B/E for end mill holders



Designation	Dimension (mm)		
	THOD	LB	Used for shanks
SR M6x10 DIN 1835-B	M6	10	6
M8x10 DIN 1835-B	M8	10	8
M10x12 DIN 1835-B	M10	12	10
M12x16 DIN 1835-B	M12	16	12, 14
M14x16 DIN 1835-B	M14	16	16
M16x16 DIN 1835-B	M16	16	20
M18x2x20 DIN 1835-B	M18x2	20	25
M20x2x20 DIN 1835-B	M20x2	20	32, 40
M24x2x25 DIN 1835-B	M24x2	25	50

PRESET ER-JET

Preset screw with oil hole for ER collets

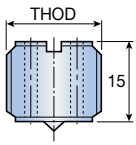


Fig.1

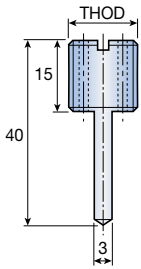
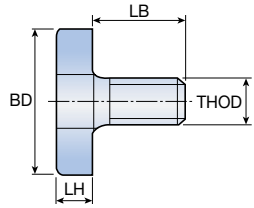


Fig.2

Designation		Dimension (mm)	Fig.
		THOD	
PRESET ER-JET	**8x1.25**	M8x1.25	1
	10x1.5	M10x1.5	1
	12x1.75	M12x1.75	1
	12x1.75L	M12x1.75	2
	16x2	M16x2	1
	16x2L	M16x2	2
	18x1.5	M18x1.5	1
	18x1.5L	M18x1.5	2
	22x1.5	M22x1.5	1
	22x1.5L	M22x1.5	2
	28x1.5	M28x1.5	1

M-CLAMP SCREW SEM

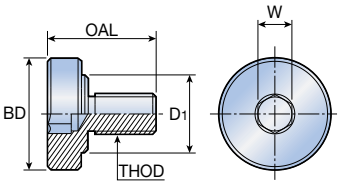
Lock screw DIN6367 for face mIll arbors



Designation	Dimension (mm)				
	S.M.C	THOD	BD	LH	LB
M8 CLAMP SCREW SEM 16	16	M8	20	6	16
M10 CLAMP SCREW SEM 22	22	M10	28	7	18
M12 CLAMP SCREW SEM 27	27	M12	35	8	22
M16 CLAMP SCREW SEM 32	32	M16	42	9	26
M20 CLAMP SCREW SEM 40	40	M20	52	10	30
M24 CLAMP SCREW SEM 50	50	M24	63	12	36

MBA M

Lock screw for FMA

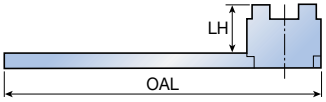


Designation		Dimension (mm)				
		THOD	BD	D1	OAL	W
MBA	**M8**	M8x1.25	20	15	24	6
	M10	M10x1.5	28	18	28	8
	M12	M12x1.75	33	23	32	10
	M16	M16x2.0	40	23	40	14
	M20	M20x2.5	50	27	50	17

▸ Wrench for MBA screw: L-W □□

WRENCH M-SEMC

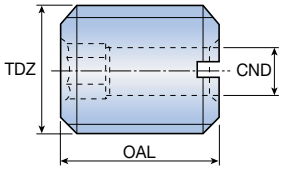
Wrench DIN6368 for face mill and combi shell mill arbors



Designation		Dimension (mm)			
		DRVS	FTDZ	LH	OAL
WRENCH	**M8 SEMC 16**	16	M8	20	180
	M10 SEMC 22	22	M10	25	200
	M12 SEMC 27	27	M12	32	225
	M16 SEMC 32	32	M16	36	250
	M20 SEMC 40	40	M20	40	280
	M24 SEMC 50	50	M24	50	315

PRESET SCREW

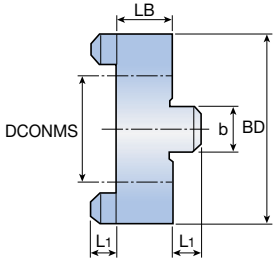
SRKIN thermal shrink collets



Designation		Dimension (mm)				
		TDZ	OAL	CND	Used for shanks	Hex key
PRESET SCREW	**M5x18 B**	M5	18	2.5	EM E / SRKIN	2.5
	M6x20 B	M6	20	3.0	EM E / SRKIN	3.0
	M8x20 B	M8	20	4.0	EM E / SRKIN	4.0
	M10x18 B	M10	18	5.0	EM E / SRKIN	5.0
	M12x18 B	M12	18	6.0	EM E / SRKIN	6.0
	M16x20 B	M16	20	6.0	EM E / SRKIN	6.0
	M16x25 B	M16	25	6.0	SRKIN	6.0

D·RING SEMC

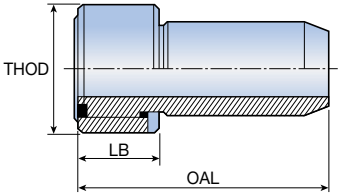
Driving ring DIN6366/1 for combi shell end mill holders



Designation	Dimension (mm)				
	DCONMS	BD	LB	b	L1
16 D · RING SEMC	16	32	10	8	5.0
22 D · RING SEMC	22	40	12	10	5.6
27 D · RING SEMC	27	48	12	12	6.3
32 D · RING SEMC	32	58	14	14	7.0
40 D · RING SEMC	40	70	14	16	8.0
50 D · RING SEMC	50	90	16	18	9.0

COOLING TUBE HSK A

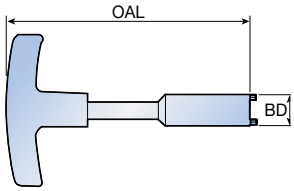
HSK A cooling tube



Designation		Dimension (mm)		
		OAL	LB	THOD
COOLING TUBE	**HSK A 50**	33.0	9.5	M16x1
	HSK A 63	36.5	11.5	M18x1
	HSK A 80	40.0	13.5	M20x1.5
	HSK A 100	44.0	15.5	M24x1.5

WRENCH COOL TUBE HSK A

HSK A cooling tube wrench

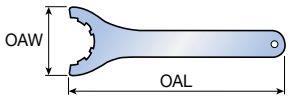


Designation		Dimension (mm)	
		BD	OAL
WRENCH COOL TUBE	**HSK A 50**	15.0	120
	HSK A 63	17.0	122
	HSK A 80	18.5	136
	HSK A 100	22.0	141

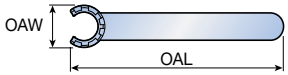
WRENCH ER-MINI/SHORT

ER wrench

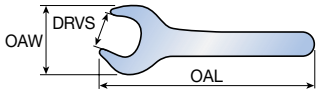
DIN6499



Wrench ER 25, 32, 40, 50



Wrench ER 11, 16, 20, 25 MINI



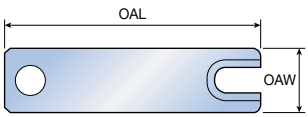
Wrench ER 11, 16, 20, SHORT

Designation		Dimension (mm)		
		OAW	DRVS	OAL
WRENCH	**ER11 MINI**	16.8	-	95
	ER11	32.0	17	95
	ER16 MINI	22.5	-	117
	ER16	42.8	25	143
	ER20 MINI	28.0	-	128
	ER20	53.5	30	172
	ER25 MINI	29.0	-	120
	ER25	70.0	-	207
	ER32	78.0	-	255
	ER40	95.0	-	285
	ER50	110.0	-	350
	ER32 SHORT	75.0	36	303
	ER40 SHORT	94.0	46	378

WRENCH ER11 SMS

Typhoon

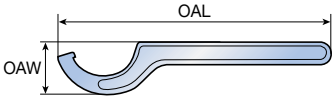
ER11 Tightening wrench



Designation		Dimension (mm)	
		OAW	OAL
WRENCH	**ER11 SMS**	25	100

SPANNER TMC

NTMC milling chuck wrench



Designation		Dimension (mm)	
		OAW	OAL
SPANNER	**TMC 20**	15.8	84.1
	TMC 25	18.1	94.3
	TMC 32	21.7	109.1
	TMC 42	23.2	108.0

TSKS

TSK slim chuck wrench

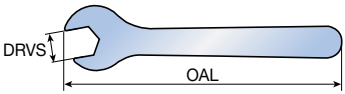


Fig.1

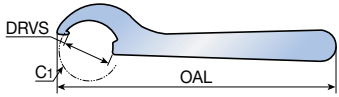


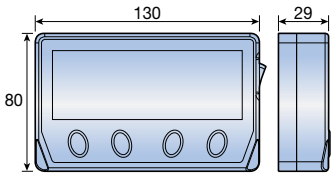
Fig.2

Designation	Dimension (mm)		Fig.
	DRVS	OAL	
TSKS - 6	18.0	174	1
10	25.4	177	1
16	36.0	189	2
25	52.0	228	2

TJS TSD DISPLAY

Typhoon

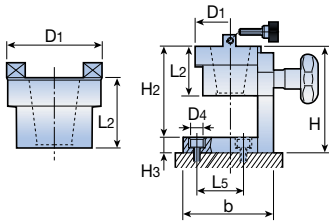
RPM speed display for TYPHOON high-speed spindles



Designation	Machines
TJS TSD DISPLAY	TJS spindles

TOOL CLAMP-ROTARY/FIX

Tool clamp fixture - ISO, DIN69871, BT MAS-403

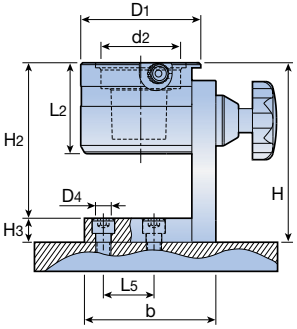


FIX ROTARY

Designation	Dimension (mm)								
	CSI	b	D_1	D_4	L_2	H	H_2	H_3	L_5
TOOL CLAMP 30 ROTARY	ROTARY	104	70	12.5	56	128	109	19	40
40 ROTARY	ROTARY	104	82	12.5	56	128	109	19	40
50 ROTARY	ROTARY	144	103	12.5	71	170	151	19	85
30 FIX	FIX	-	82	-	58	-	-	-	-
40 FIX	FIX	-	82	-	58	-	-	-	-
50 FIX	FIX	-	103	-	71	-	-	-	-

MULTI CLAMP C

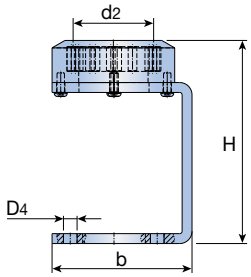
C-ADAPTER rotary clamp



Designation	Dimension (mm)									
	SS	b	d_2	D_1	D_4	L_2	L_5	H	H_2	H_3
MULTI CLAMP C5	50	104	50	82	12.5	72	40	142	123	19
C6	63	104	63	95	12.5	72	40	142	123	19
C8	80	104	80	130	12.5	90	85	178	159	19

MULTI CLAMP...UNIVERSAL

Universal rotary tool clamping fixtures - for tapered shanks

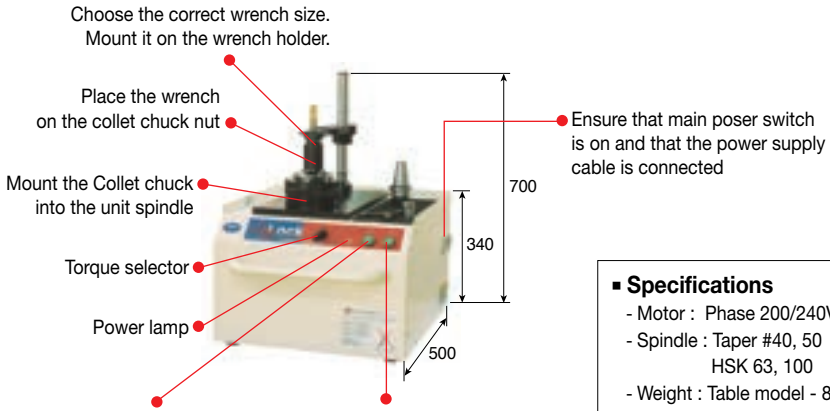


Designation	Dimension (mm)				
	CSI	d2	H	b	D4
MULTI CLAMP 40 UNIVERSAL	40	40	161	112	11
50 UNIVERSAL	50	50	161	112	11
63 UNIVERSAL	63	63	164	113	11
80 UNIVERSAL	80	80	240	150	11
100 UNIVERSAL	100	100	240	150	11

Mounting adapters/holders (tapered types)

Designation		Dimension (mm)				
		HSK A/C/E/F	C-ADAPTER	BT	DIN69871	DIN2080
MULTI CLAMP	**40 UNIVERSAL**	HSK 40	C4	-	-	-
	50 UNIVERSAL	HSK 50	C5	-	DIN69871 30	DIN2080 30
	63 UNIVERSAL	HSK 63	C6	BT 40	DIN69871 40	DIN2080 40
	80 UNIVERSAL	HSK 80	C8	-	-	-
	100 UNIVERSAL	HSK 100	C10	BT 50	-	-

EASYLOCK T.C EU



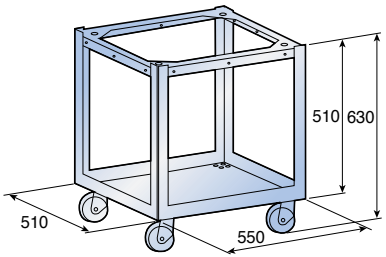
▪ Specifications

- Motor : Phase 200/240V, 50/60HZ(1HP)
- Spindle : Taper #40, 50
  HSK 63, 100
- Weight : Table model - 85kg
  Trolley (Optional) - 15kg

Note: Assemble the collet and cutting tools. By hand, place the nut onto the collet chuck.

Designation	TaeguTec No.	Accssories	
		Standard	Optional
EASYLOCK T.C EU	4651108	TP50 AD 40 EASY	EASY LOCK TROLLEY
		WRENCH ER16 EASY LOCK	TP40 AD 30 EASY
		WRENCH ER20 EASY LOCK	TP50 AD HSK 63 EASY
		WRENCH ER25 EASY LOCK	TP50 AD HSK 100 EASY
		WRENCH ER32 EASY LOCK	WRENCH ER50 EASY LOCK
		WRENCH ER40 EASY LOCK	WRENCH TG100 OPEN EASY

EASYLOCK TROLLEY



Designation	TaeguTec No.
EASYLOCK TROLLEY	4651109

AP Induction Unit

6266950 INDN AP UNIT EU / 6266951 INDN AP UNIT US

Specifications

Model	INDN AP UNIT
Clamping range	Carbide: Ø3-32 mm / HSS: Ø6-32 mm
Max. tool length	400 mm
Max. machine interface	HSK 100 / Taper #50
Cooling type	Liquid, Capacity: 50 L
Max. cooling length	200 mm
Cooling time	30 sec
Dimensions	800x560x1720 mm
Weight	120 kg
Power supply	EU: 400V 50Hz 16A US: 480V 60Hz 15A
Power	11 kW



B.O.M

Item	Item No.	Designation	Q'ty
Clamping ring	6266972	INDN CLAMP RING	1
Cooling concentrate	6266978	COOLANT SYNERGY 905 1L	1
Stop disc	See table	INDN AP DISC…	7
Protective gloves	-	-	1

▶ AP unit adapters and setting discs should be ordered separately

AP unit multi-adapters:

- For the correct positioning of the chuck

Item No.	Designation	Used for
6266966	INDN AP AD 32	HSK 32
6266967	INDN AP AD 40	HSK 40 / C4
6266968	INDN AP AD 50	HSK 50 / C5 / Taper #30
6266969	INDN AP AD 63	HSK 63 / C6 / Taper #40
6266970	INDN AP AD 80	HSK 80 / C8 / Taper #45
6266965	INDN AP AD 100	HSK 100 / C10 / Taper #50

▶ Should be ordered separately



AP unit adapter



AP unit stop discs

AP unit stop discs:

- To avoid coil-tool shank contact

Item No.	Designation	Clamping Dia. (mm)
6266963	INDN AP DISC 3-5 #0	SRKIN Ø3-5 / SRK Ø6
6266964	INDN AP DISC 6-12 #1	SRKIN Ø6-12
6266962	INDN AP DISC 14-20 #2	SRKIN Ø14-22
6266952	INDN AP DISC 25-32 #3	SRKIN Ø25-32
6266960	INDN AP DISC SRK3-5 #5	SRK Ø3-5
6266961	INDN AP DISC SRK8 #8	SRK Ø8
6266959	INDN AP DISC SRK12 #12	SRK Ø10-12

▶ Unit box included

Item No.	Designation	Clamping Dia. (mm)
6266953	INDN AP SPLIT #0	T shape Ø3-5
6266954	INDN AP SPLIT #1	T shape Ø6-12
6266955	INDN AP SPLIT #2	T shape Ø14-22
6266956	INDN AP SPLIT #3	T shape Ø25-32
6266957	INDN AP DISC SHORT 12-22	Short Ø12-22

▶ Should be ordered separately

BS Induction Unit

6266979 INDN BS UNIT EU / 6266980 INDN BS UNIT US

Specifications

Model	INDN BS UNIT
Clamping range	Carbide: Ø3-32 mm
Max. tool length	400 mm
Max. machine interface	HSK 100 / Taper #50
Cooling type	Air
Dimensions	320x400x840 mm
Weight	20 kg
Power supply	EU: 400V 50Hz 16A US: 480V 60Hz 15A
Power	8 kW





BS unit adapter



BS unit stop discs

B.O.M

Item	Item No.	Designation	Q'ty
Clamping ring	6267011	INDN BS CLAMP RING	1
Parameter sticker	6267014	INDN BS STICKER SRKIN	1
Stop disc	See table	INDN BS DISC…	5
Blank magnets	-	MAGNET BLANK	12
Barcode scanner	-	-	1
Protective gloves	-	-	1

▶ BS unit adapters, SRK parameter sticker and setting discs should be ordered separately.

BS unit adapters:

- For the correct positioning of the chuck

Item No.	Designation	Used for
6267001	INDN BS AD HSK 32	HSK 32
6267002	INDN BS AD HSK 40	HSK 40
6267003	INDN BS AD HSK 50	HSK 50
6267004	INDN BS AD HSK 63	HSK 63
6267005	INDN BS AD HSK 80	HSK 80
6266999	INDN BS AD HSK 100	HSK 100
6266994	INDN BS AD C3	C3
6266995	INDN BS AD C4	C4
6266996	INDN BS AD C5	C5
6266997	INDN BS AD C6	C6
6266998	INDN BS AD C8	C8
6267006	INDN BS AD TAPER #30	Taper #30
6267008	INDN BS AD TAPER #40	Taper #40
6267010	INDN BS AD TAPER #50	Taper #50

▶ Should be ordered separately

SRK parameter sticker:

Item No.	Designation
6267013	INDN BS STICKER SRK

▶ Should be ordered separately

BS unit stop discs:

- To avoid coil-tool shank contact

Item No.	Designation	Clamping Dia. (mm)
6266993	INDN BS DISC 6-8 #1	SRKIN Ø6-8
6266988	INDN BS DISC 10-14 #2	SRKIN Ø10-14
6266990	INDN BS DISC 16-18 #3	SRKIN Ø16-18
6266991	INDN BS DISC 20 #4	SRKIN Ø20
6266992	INDN BS DISC 25-32 #5	SRKIN Ø25-32

▶ Unit box included

Item No.	Designation	Clamping Dia. (mm)
6266983	INDN BS DISC SRK3 #6	SRK Ø3
6266984	INDN BS DISC SRK4 #7	SRK Ø4
6266985	INDN BS DISC SRK5 #8	SRK Ø5
6266986	INDN BS DISC SRK6 #9	SRK Ø6
6266987	INDN BS DISC SRK8 #10	SRK Ø8
6266981	INDN BS DISC SRK10 #11	SRK Ø10
6266982	INDN BS DISC SRK12 #12	SRK Ø12

▶ Should be ordered separately

Induction unit setting discs

Item No.	Designation	Tool Dia. (mm)	Item No.	Designation	Tool Dia. (mm)
6267028	INDN SETTING DISC 3	3	6267023	INDN SETTING DISC 14	14
6267033	INDN SETTING DISC 4	4	6267024	INDN SETTING DISC 16	16
6267034	INDN SETTING DISC 5	5	6267025	INDN SETTING DISC 18	18
6267037	INDN SETTING DISC 6	6	6267026	INDN SETTING DISC 20	20
6267038	INDN SETTING DISC 8	8	6267027	INDN SETTING DISC 25	25
6267021	INDN SETTING DISC 10	10	6267032	INDN SETTING DISC 32	32
6267022	INDN SETTING DISC 12	12			

▶ Should be ordered separately

Requirements

- 16A 5-pin industrial socket for AP and BS units



- G3/8 fittings only for AP unit to connect 4 bar air

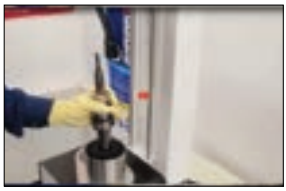


Installation & Operation video

■ AP induction unit



■ BS induction unit



Technical Data

ER-SEAL collet

■ Application

ER collets are used for applications requiring through coolant, as well as for standard cutting tools such as drills, boring bars, end mills, reamers, taps and special tools.
They provide an effective solution for accurate controled coolant flow.
Front sealing collets are available for advanced high speed machines with through coolant spindles/turrets.
They provide maximum performance, high cutting speeds, extended tool life and high quality surface finish.

■ Features

- A revolutionary high precision front sealing collet with 1.00mm collapsibility that has through coolant capability
- Increased machining efficiency
- Extended tool life
- Has powerful gripping and parallel clamping
- Front sealing provides protection from contamination
- Fast chip removal from work piece

■ Advantages

- High-pressure coolant supply up to 100 bar
- Eliminates coolant flow interference

■ Notes

- For maximum security and clamping power, the cutting tool shank must be inserted into the collet to a minimum depth of 2 x shank diameter
- Suitable for all shank standards

TaeguTec ER coolit sealed collet

■ Two types:

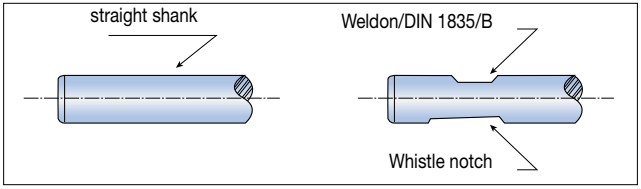


Oil hole collet: ER-SEAL
For straight shank cutting tools with internal coolant supply



JET2 collet: ER-SEAL-JET
With angular double nozzle.
Coolant flow is direct to the cutting edge
- For use with standard straight shank cutting tools (Without coolant hole)

Shank standards



ER - Top clamping nut DIN6499

■ Description

The friction ER Nut has a unique two piece exclusive friction mechanism combining radial and angular self-centering movements.

■ Features

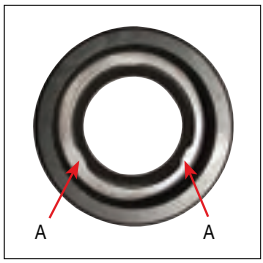
- Unique two piece friction bearing
- Radial and angular float for better concentricity
- Powerful gripping force, 50-100% higher than standard ER nut due to the friction bearing mechanism
- Balanced for higher spindle speed due to unique extractor teeth design
- Compact design: General dimensions and size range are the same as the standard nut sealed design for use with sealed collets.

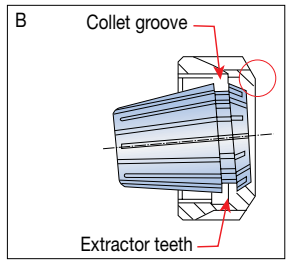
■ Operation

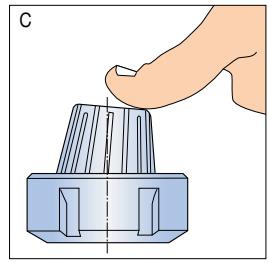
To insert collet: Always assemble the collet into the nut before mounting onto the collet chuck.

■ Inserting procedure

Insert the collet slantwise, fitting the two protruding extractor teeth (A) into the collet groove (B).
Place the two parts onto a clean and horizontal surface.
Press down with your thumb on the back end of the collet until it clicks into place (C).





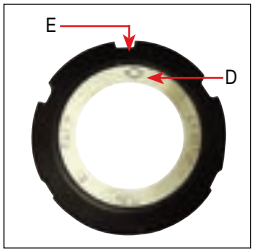


■ Important

Never insert the collet parallel to the extractor ring. This will chip or break the teeth of the extractor.
When unclamping the nut, the collet will self release from the chuck by means of the extractor teeth.

ER - Top clamping nut DIN6499

- Extracting procedure
  1. Align the diamond-shaped engraved logo which is on the silver ring (D) to any of the key slots (E) of the nut.
  2. Place the nut with the collet facing down on a clean and horizontal work surface.
  3. Insert a screwdriver vertically between the nut slots and the collet - on the reverse side of the diamond shaped engraved logo (D).
  4. Tilt the screwdriver outwards while helping the extraction by pushing the back of the collet in the opposite direction (F).





Note:

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

Recommended clamping torque for standard ER & ER-Top clamping nut.

Nut type	Kg × m
ER-11	5
ER-11M	3
ER-16	7
ER-16M	4
ER-20	12
ER-20M	8
ER-25	20
ER-32	22
ER-40	25
ER-50	35

Important:

The torque is calculated to suit the maximum diameter capacity of each collet. The torque should be gradually reduced when used with a smaller shank size.

TSK slim collet chuck

■ Features & advantages
- Excellent accuracy & good gripping power by gentle taper angle (ER collet : 8°, TSK collet : 4°)
- Slim design for deep and cavity machining
- Suitable on high speed machining
- Variety of TSK collets (Normal & coolant type)
- General machining using drill & end mill

■ Application
- General machining using drill & end mill
- High speed machining for mold & die industry
- Accurate machining using reamer & end mill

■ How to assemble the collet with a nut



a. Assembly device
(Optional, sold separately)



b. Nut



c. Collet

❶ Insert the back end of the collet (c) into the assembly device (a)

❷ Insert the combined part (a+c) in the nut (b)

❸ Pluck out the assembly device (a) from the remaining part (b+c)



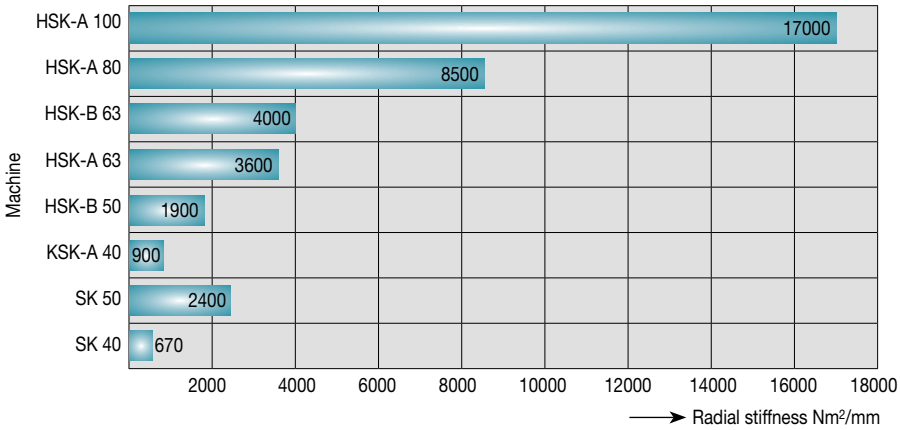
a. Assembly device	Designation
	TSK 06, TSK 10, TSK 16, TSK 25

Technical Data

HSK (DIN69893) system

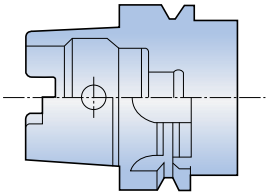
- Features
  - DIN standard
  - For high speed machining
  - Size: #32, 40, 50, 63, 100
  - For A.T.C. & manual machine
  - Double face contact
  - High stiffness

Radial stiffness of different machine tool interface

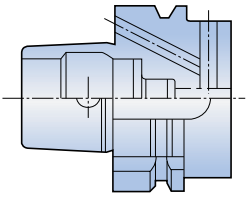


Type

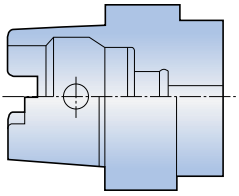
- A type: Automatic tool change



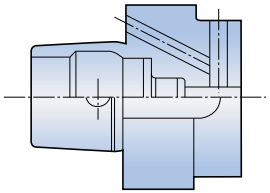
- B type: With coolant through face



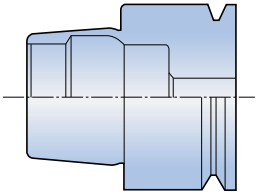
- C type: Manual clamp



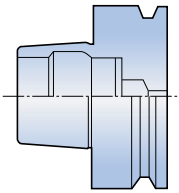
- D type: With coolant through face



- E type: Super high speed



- F type: Ultra high speed

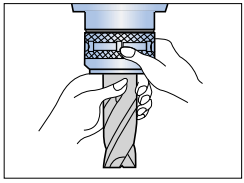


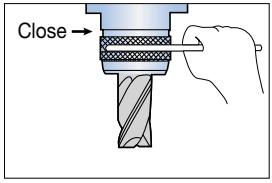
Milling chuck

■ Exceptional gripping power and simple operation

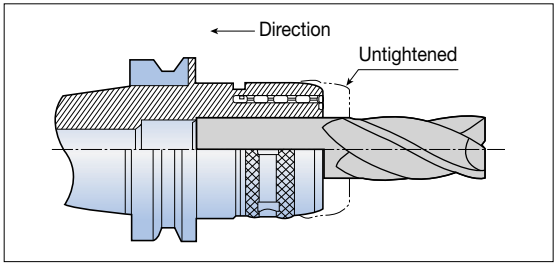
- Torque

Type	Torque (kgf•m)
NTMC 25	180
NTMC 32	360
NTMC 42	520



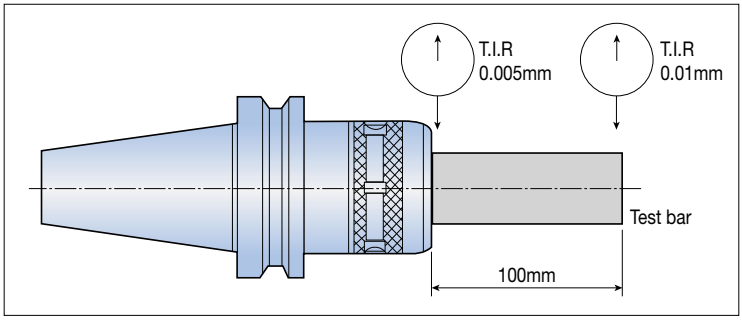


Tighten slightly when collar
is close to body (Avoid hammering)



■ Improved accuracy prolongs tool life

The accuracy and low runout has been achieved by utilizing precise grinding and spiral laser slitting to avoid damage and tool distortion.



▶ Hydraulic chuck

- Tool Fastening
- As shown in Figure 1, after inserting the tool while observing the Lmax and Lmin of the hydraulic chuck, tighten the clamping screw by rotating it clockwise by the specified torque value.
- Tool Releasing
- Remove the tool by rotating the clamping screw counter clockwise approximately 3-4 times.
- Notice

1. Before tightening the tool, remove dust from the inside of the hydraulic chuck and the tool shank, and ensure they are dry and clean. This will improve tool runout and clamping force after fastening.
2. The minimum insertion depth of the tool, Lmin, must be observed when in use.
   This prevents changes in the hydraulic chuck's internal diameter or loss of hydraulic oil.
3. Clamping screws must be fully locked to the recommended torque value.
   This prevents tool breakage, loss of hydraulic oil, and ensures optimal machining performance.
4. A cylindrical shank tool with h6 tolerance is recommended to ensure clamping force.
5. Weldon shank tools must be tightened using collets to prevent changes in the hydraulic chuck's internal diameter and damage.
6. If not used for long periods of time, tools should be removed and stored in a clean condition to minimize loss of hydraulic oil.
7. The clamping screw must not be tightened without the tool inserted to prevent changes in the hydraulic chuck's internal diameter and damage.
8. The vent bolt must not be disassembled by the customer.

Figure 1. Tool structure

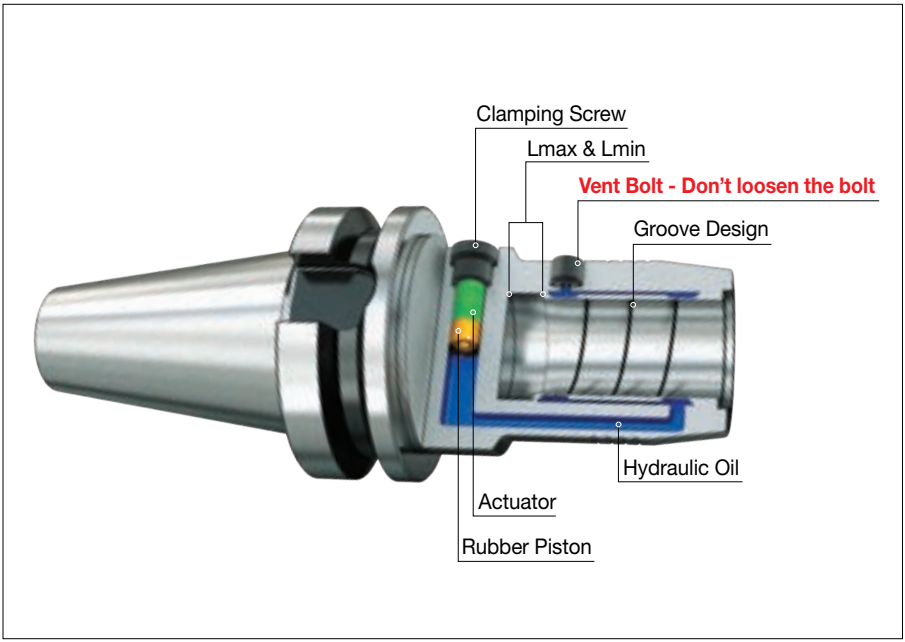


Table 1. Tool insertion minimum and maximum depth

Inner diameter Ø(mm)	Lmin (mm)	Lmax (mm)
6	27.5	37.5
8	27.5	37.5
10	32.5	42.5
12	37.5	47.5
14	37.5	47.5
16	42.5	52.5
18	42.5	52.5
20	42.5	52.5
25	51	61
32	55	65
Only for THCG & THCS product lines. Must check the specification for each product.		

Table 2. Clamping screw recommended tightening torque

Inner diameter Ø(mm)	Tightening torque (N·m)
All diameter	5.5

Table 3. Clamping screw wrench size

Inner diameter Ø(mm)	Wrench size (mm)
6-18	4
20-32	5



Table 4. Tool clamping force

Inner diameter Ø(mm)	Tightening torque (N·m)
6	16
8	23
10	45
12	90
14	110
16	185
18	280
20	430
25	650
32	900

Thermal T-SHRINK chucking system



T-SHRINK chucking system

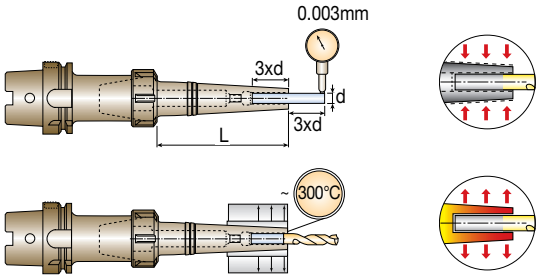
The thermal T-SHRINK ER collet chucking system is an enhancement to the existing popular ER system. The T-SHRINK collets utilize the thermal shrink phenomena for rigid clamping of solid carbide cutters. This new system provides higher torque, precision runout and better repeatability. The T-SHRINK collets with their slim design and different projection length allows the user to reach into deeper cavities and perform narrow milling applications. TaeguTec offers a complete system for T-SHRINK ER collets, including a uniquely designed heating unit with a portable heating handle. The unit is equipped with a high-tech temperature control for easy and practical use at the machining center or in the tool room.



■ For carbide tools only



L(mm)	Max. T.I.R
35	7㎛
60	9㎛
85	10㎛



GTI-Tap attachment

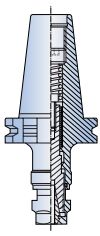
■ Description

Short tap chucks for ER collets

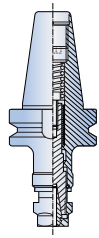


■ Application

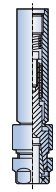
Axial-float/tension/compression type for CNC milling machines and lathes with reversing motors and rigid tapping



DIN 69871



BT MAS-403



Straight shank

■ Features

- Compensates for machine feed and tap pitch variance
- Floating mechanism compensates for misalignment between tap and workpiece
- Right and left-hands tapping

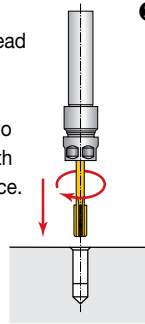
■ Advantages

- Practical and efficient tap holding by the ER spring collet without using drive jaw
- Compact design for minimal clearance applications
- Heavy-duty design for high torque drive ensures the same accuracy as the tap itself

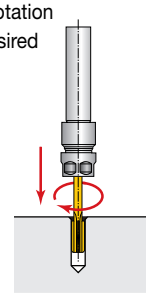
■ Operation

For through and blind hole tapping

❶ Enter feed rate according to thread pitch (or 1-2% lower), and set spindle to starting point with 0.08mm clearance.



❷ Start spindle forward with right hand rotation until reaching desired depth.



❸ Stop feed and rotation and reverse to starting point.

