TOOLING SYSTEM

TOOLING SYSTEM

contents

Guide to Icons

➤ Run-out

➤ Surface Hardness

➤ Balance Grade

➤ Taper Shank Grade

➤ Surface Finish Grade

➤ Technical Data Page

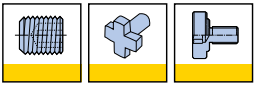
➤ ER Collet Page

➤ TSK Collet Page

➤ ST / THC Collet Page

➤ Pull Stud Page

➤ Preset Screw Page



➤ Lock Screw Page

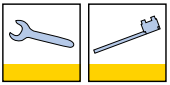
➤ ER 32 SRF Page

➤ Nut Page

➤ Tap Adapter Page

➤ Cooling Tube Page

➤ Tube Wrench Page



➤ Wrench Page

➤ Driving Ring Page

➤ Induction Heating Unit Page

➤ Thermal Heating Unit Page

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

Tool Selection Guide

Tooling system

Milling chuck

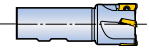
- DIN69871 G17
- HSK G42
- BT MAS-403 G71
- DIN2080 G92

Collet (CSR) G155

ST shank G114-G118

Collet (ER) G139-G149

GTIN collet G162-G163

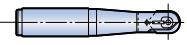


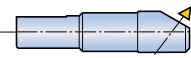
Collet chuck

- DIN69871 G11-G13
- HSK G36-G41
- BT MAS-403 G65-G67
- DIN2080 G91
- C-ADAPTER G102-G103
- ST shank G114-G118
- MT shank G128

Collet (ER) G139-G149

GTIN collet G162-G163





TSK collet chuck

- DIN69871 G14
- HSK G41
- BT MAS-403 G68

TSK collet G150-G152

TSHRINK chuck

- DIN69871 G21
- HSK G45-G47
- BT MAS-403 G75
- C-ADAPTER G110

- DIN69871 G22
- HSK G48-G50
- BT MAS-403 G76
- ST shank G125

THYCHUCK chuck

- DIN69871 G23
- HSK G51-G52
- BT MAS-403 G77-G78

THC collet G153-G154

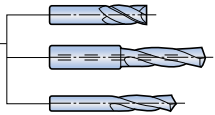
Tool Selection Guide

Tooling system

TBALANCE

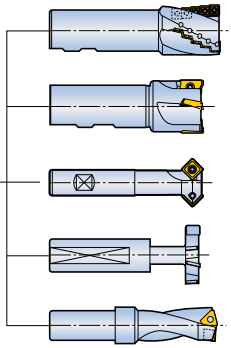
- DIN69871 G10
- HSK G35
- BT MAS-403 G64

Collet (ER) G139-G149



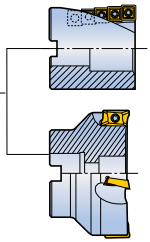
End mill holder

- DIN69871 G18-G20
- HSK G43-G44
- BT MAS-403 G72-G74
- DIN2080 G93
- C-ADAPTER G104-G106



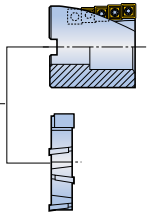
Face mill / Shell end mill arbor

- DIN69871 G24-G25, G27
- HSK G53-G55, G57
- BT MAS-403 G80-G82, G84
- DIN2080 G94-G95
- C-ADAPTER G107, G109



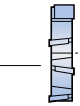
Combi face mill / Combi shell end mill arbor

- DIN69871 G26
- HSK G56
- BT MAS-403 G83
- DIN2080 G96
- C-ADAPTER G108



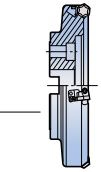
Slotting cutter arbor

- DIN69871 G28
- BT MAS-403 G79



Centering plug

- DIN2080 G99



Tool Selection Guide

Tooling system

Adapter

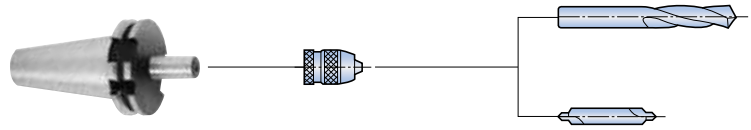
· DIN69871 G31
· BT MAS-403 G86

Morse taper adapter

· DIN69871 G29-G30
· HSK G58
· BT MAS-403 G85-G86
· DIN2080 G97-G98

Drill chuck arbor

· DIN69871 G31
· BT MAS-403 G87
· DIN2080 G99



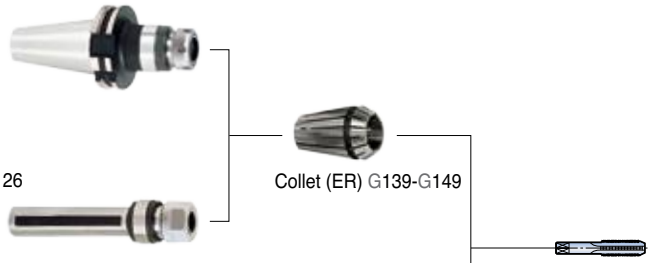
FITBORE

· DIN69871 G15
· HSK G42
· BT MAS-403 G69

Tap chuck (GTI)

· DIN69871 G16
· BT MAS-403 G70

· GTI ER collet chuck G126



· DIN69871 G16
· BT MAS-403 G70
· MTA G128

Tap adapter G164

Tool Selection Guide

Tooling system

GFI floating reamer chuck (GFI)

· ST shank G127

Collet (ER) G139-G149

TFLEXTEC

· DIN69871 G32
· HSK G59-G60
· BT MAS-403 G88
· C-ADAPTER G111
· ST shank G119-G121

Adapter G122-G124

Blank

· HSK G61
· C-ADAPTER G112

GYRO center alignment

· ST shank G129-G130

Collet (ER) G139-G149

GREEN Typhoon

· ER shank G132
· BT MAS-403 G133
· HSK G134
· C-ADAPTER G135
· ST shank G136

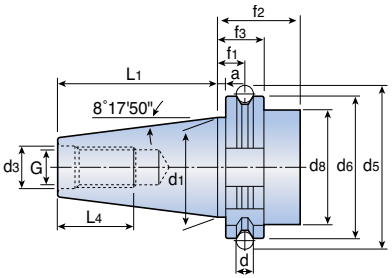
Collet (ER11 SPR EX..AA)
G140, G145

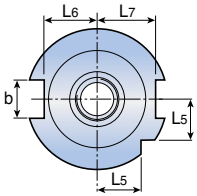
DIN69871

DIN69871 Form A/AD/B/ADB

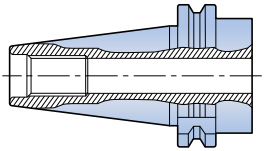
Standard toolholder

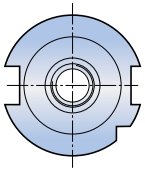
Type “A”



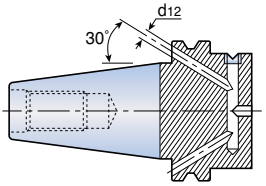


Type “AD”
Coolant hole

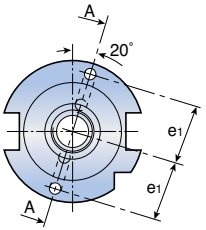




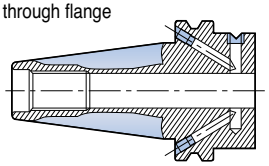
Type “B”
Coolant through flange



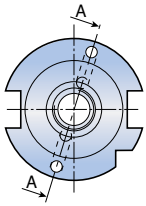
A-A



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

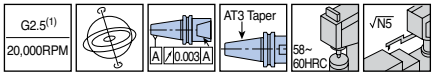
Shank	f2min	f3 -0.1	L1 -0.3	L4min	L5 -0.3	L6 -0.4	L7 -0.4	e1 ±0.1	d12	Taper AT3
30	35	19.1	47.80	24	15.0	16.4	19.0	21	4	0.002
40	35	19.1	68.40	32	18.5	22.8	25.0	27	4	0.003
50	35	19.1	101.75	47	30.0	35.5	37.7	42	6	0.004

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

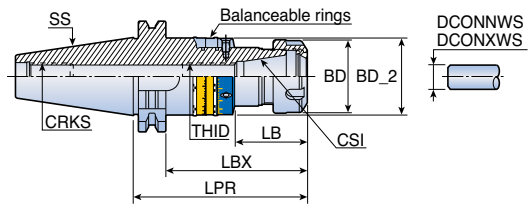
DIN69871-ER-BIN

TBALANCE

Balanceable ER collet chucks



DIN69871 form AD DIN6499 T-BALANCE



Designation	Dimension (mm)										
	SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
DIN69871 40 ER 16x100 BIN	40	ER16	0.5	10.0	28	44	100	80.9	45	M16	M10
ER 20x100 BIN	40	ER20	1.0	13.0	34	44	100	80.9	51	M16	M12
ER 20x160 BIN	40	ER20	1.0	13.0	34	44	160	140.9	87	M16	M12
ER 25x100 BIN	40	ER25	1.0	16.0	42	44	100	80.9	51	M16	M16x1.5
ER 25x160 BIN	40	ER25	1.0	16.0	42	44	160	140.9	88	M16	M16x1.5
ER 32x100 BIN	40	ER32	2.0	20.0	50	60	100	80.9	35	M16	M22x1.5
ER 32x160 BIN	40	ER32	2.0	20.0	50	60	160	140.9	95	M16	M22x1.5
ER 40x100 BIN	40	ER40	3.0	26.0	63	60	100	80.9	35	M16	M28x1.5

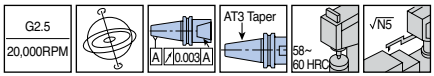
G139-G149 G166-G167 G167-G169 G170 G173 G187

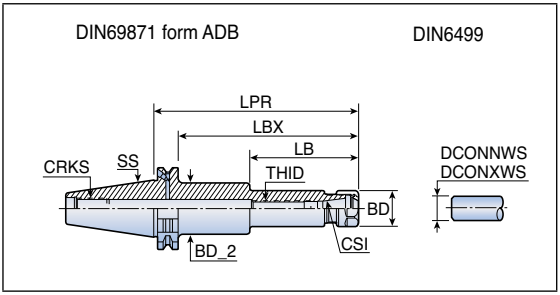
• (1) Preset balanced value

ADVANCE MACHINING
TaeguTec Industry 4.0

DIN69871-ER

ER collet chucks





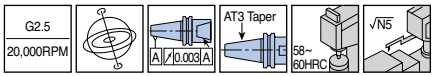
Designation		Dimension (mm)										
		SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
DIN69871 30	**ER 16x63**[1]	30	ER16	0.5	10.0	28	-	63	43.9	28	M12	M10
DIN69871 40	**ER 16x63**	40	ER16	0.5	10.0	28	-	63	43.9	-	M16	M10
	ER 16x100	40	ER16	0.5	10.0	28	-	100	80.9	-	M16	M10
	ER 16x160[1]	40	ER16	0.5	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**[1]	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[1]	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

G139-G149 G166-G167 G167-G169 G170 G173

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

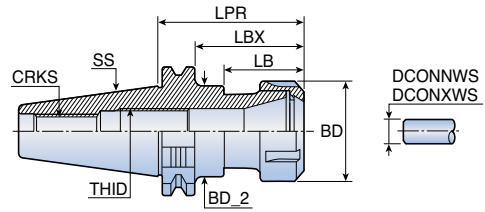
DIN69871-ER

ER collet chucks

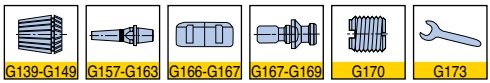


DIN69871 form AD

DIN6499



Designation	Dimension (mm)										
	SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
DIN69871 30 ER 32x65[1]	30	ER32	2.0	20.0	50	40.4	65	45.9	32.0	M12	M18x1.5
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[1]	50	ER25	1.0	16.0	42	-	100	80.9	-	M24	M16x2
ER 25x150[1]	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[1]	50	ER32	2.0	20.0	50	-	100	80.9	-	M24	M22x1.5
ER 32x150[1]	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[1]	50	ER40	3.0	26.0	63	-	100	80.9	-	M24	M28x1.5
ER 40x150[1]	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[1]	50	ER50	10.0	34.0	78	-	100	80.9	-	M24	M36x1.5
ER 50x150[1]	50	ER50	10.0	34.0	78	-	150	130.9	-	M24	M36x1.5

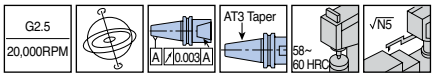


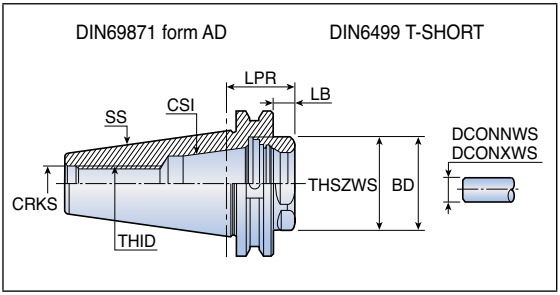
- Add B for coolant through flange
- [1] Balance to G6.3 at 12,000RPM

DIN69871-ER-SHORT

TSHORT

Short ER collet chucks



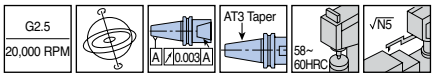


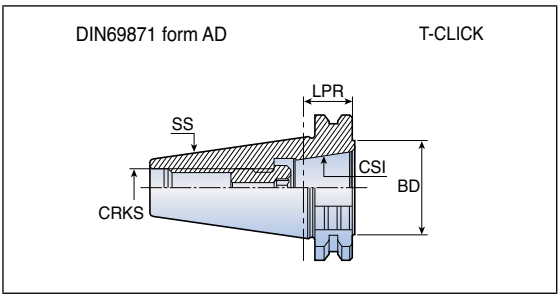
Designation	Dimension (mm)									
	SS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	CRKS	THSZWS	THID
DIN69871 40 ER32 SHORT	40	ER32	2.0	20.0	40	25.1	6.0	M16	M40x1.5	-
DIN69871 50 ER32 SHORT	50	ER32	2.0	20.0	40	28.6	9.5	M24	M40x1.5	M22x1.5
ER40 SHORT	50	ER40	3.0	26.0	50	28.6	9.5	M24	M50x1.5	M28x1.5

DIN69871-ER-CLICK-IN

TCLICK

Quick change connection adapters





Designation	Dimension (mm)				
	SS	CSI	BD	LPR	CRKS
DIN69871 40 ER32 CLICK-IN	40	32 SRF	41	20.1	M16
DIN69871 50 ER32 CLICK-IN	50	32 SRF	41	20.1	M24


G139-G149

G157-G163

G166-G167

G167-G169

G170

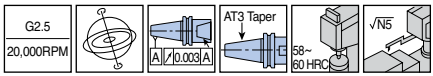
G173

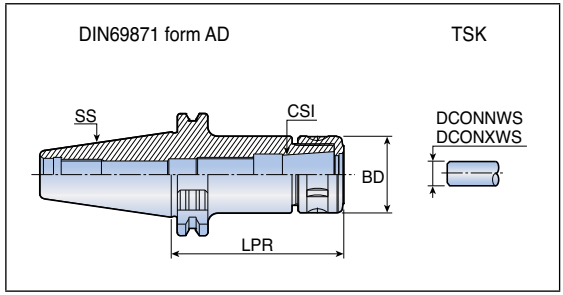

G186

• Tightening torque: 24kg×m

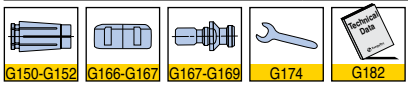
DIN69871-TSK

TSK collet chucks





Designation		Dimension (mm)					
		SS	CSI	DCONNWS	DCONXWS	BD	LPR
DIN69871 40	**TSK 6-90**	40	TSK6	1.5	6.0	19.5	90
	TSK 6-120	40	TSK6	1.5	6.0	19.5	120
	TSK 10-90	40	TSK10	1.5	10.0	27.5	90
	TSK 10-120	40	TSK10	1.5	10.0	27.5	120
	TSK 16-90	40	TSK16	2.5	16.0	40.0	90
	TSK 16-120	40	TSK25	2.5	16.0	40.0	120
	TSK 25-90	40	TSK25	15.5	25.4	55.0	90
	TSK 25-120	40	TSK6	15.5	25.4	55.0	120
DIN69871 50	**TSK 6-120(1)**	50	TSK6	1.5	6.0	19.5	120
	TSK 6-165(1)	50	TSK6	1.5	6.0	19.5	165
	TSK 6-195(1)	50	TSK6	1.5	6.0	19.5	195
	TSK 10-120(1)	50	TSK10	1.5	10.0	27.5	120
	TSK 10-165(1)	50	TSK10	1.5	10.0	27.5	165
	TSK 10-195(1)	50	TSK10	1.5	10.0	27.5	195
	TSK 16-120(1)	50	TSK16	2.5	16.0	40.0	120
	TSK 16-165(1)	50	TSK16	2.5	16.0	40.0	165
	TSK 16-195(1)	50	TSK16	2.5	16.0	40.0	195
	TSK 25-120(1)	50	TSK25	15.5	25.4	55.0	120
	TSK 25-165(1)	50	TSK25	15.5	25.4	55.0	165
	TSK 25-195(1)	50	TSK25	15.5	25.4	55.0	195



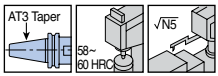
G150-G152 G166-G167 G167-G169 G174 G182

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

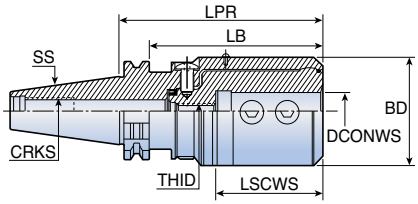
FITBORE SKA-EM ADB

FITBORE

Adjustable rotary toolholders



DIN69871 form ADB ISO 9766

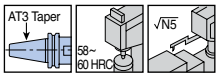


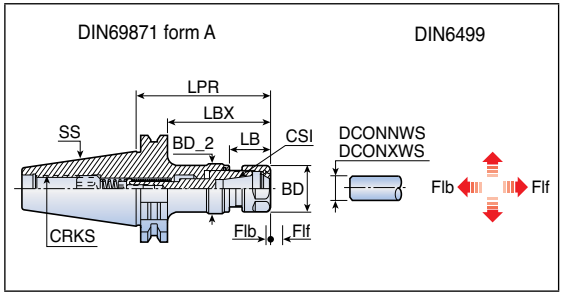
Designation		Dimension (mm)							
		SS	DCONWS	BD	LPR	LB	LSCWS	CRKS	THID
FITBORE SKA 40	**EM 16 ADB**	40	16	72	135.6	116.5	71	M16	M10
	EM 20 ADB	40	20	72	135.6	116.5	71	M16	M10
	EM 25 ADB	40	25	72	135.6	116.5	71	M16	M10
	EM 32 ADB	40	32	72	135.6	116.5	71	M16	M10
	EM 40 ADB	40	40	72	135.6	116.5	71	M16	M10
FITBORE SKA 50	**EM 16 ADB**	50	16	72	115.6	96.5	71	M24	M10
	EM 20 ADB	50	20	72	115.6	96.5	71	M24	M10
	EM 25 ADB	50	25	72	115.6	96.5	71	M24	M10
	EM 32 ADB	50	32	72	115.6	96.5	71	M24	M10
	EM 40 ADB	50	40	72	115.6	96.5	71	M24	M10

• Add B for coolant through flange

GTI DIN69871-ER

GTI tap attachments

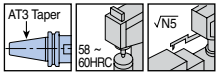


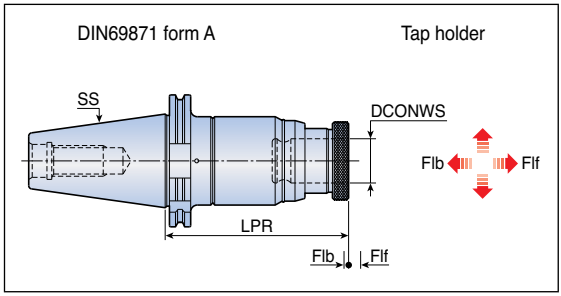


Designation		Dimension (mm)													
		SS	CSI	Tapmin	Tapmax	DCONNWS	DCONXWS	BD_2	BD	LPR	LBX	LB	Flb	Flf	CRKS
GTI DIN69871 40	**ER 16**	40	ER16	M3	M10	0.5	10.0	29.5	28	81.2	62.1	24.6	3	8	M16
	ER 32	40	ER32	M6	M20	2.0	20.0	56.5	50	112.6	93.5	33.0	4	9	M16
	ER 40	40	ER40	M6	M28	3.0	26.0	56.5	63	130.6	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
DIN69871 40	**TC 12-90**	40	M3	M12	19	90	6.5	12	TA1
	TC 22-142	40	M6	M24	31	142	14.5	13	TA2
DIN69871 50	**TC 12-130**	50	M3	M12	19	130	6.5	12	TA1
	TC 22-142	50	M6	M24	31	142	14.5	13	TA2
	TC 38-190	50	M18	M38	48	190	20.0	20	TA3


G139-G149


G164


G166-G167


G167-G169

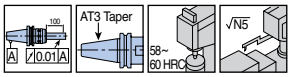

G173

G191

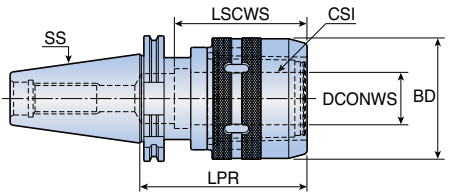
• Torque control system

DIN69871-TMC

Milling chucks



DIN69871 form AD　　Milling chuck



Designation		Dimension (mm)					
		SS	CSI	DCONWS	BD	LPR	LSCWS
DIN69871 30	**TMC 20-80**	30	20	20	54.0	80	60
	TMC 25-80	30	25	25	62.5	80	70
DIN69871 40	**TMC 20-80**	40	20	20	54.0	80	60
	TMC 20-90	40	20	20	54.0	90	60
	TMC 20-105	40	20	20	54.0	105	60
	TMC 25-90	40	25	25	62.5	90	70
	TMC 25-105	40	25	25	62.5	105	70
	TMC 32-90	40	32	32	74.0	90	80
	TMC 32-105	40	32	32	74.0	105	80
	TMC 32-135	40	32	32	74.0	135	80
DIN69871 50	**TMC 20-80**	50	20	20	54.0	80	60
	TMC 20-105	50	20	20	54.0	105	60
	TMC 25-90	50	25	25	62.5	90	70
	TMC 25-105	50	25	25	62.5	105	70
	TMC 32-90	50	32	32	74.0	90	80
	TMC 32-105	50	32	32	74.0	105	80
	TMC 32-135	50	32	32	74.0	135	80
	TMC 32-165	50	32	32	74.0	165	80
	TMC 42-115	50	42	42	92.0	115	90
	TMC 42-135	50	42	42	92.0	135	90
	TMC 42-165	50	42	42	92.0	165	90

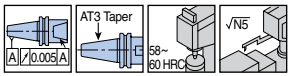

G155-G156


G167-G169

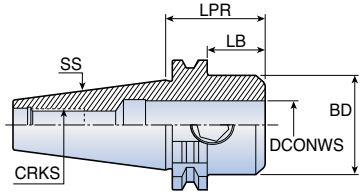

G173

DIN69871-EM

Short end mill holders



DIN69871 form AD DIN6359

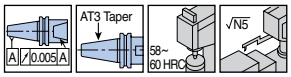


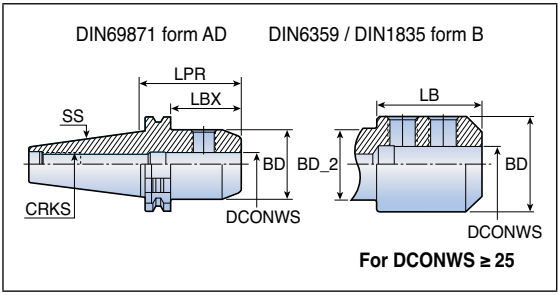
Designation	Dimension (mm)					
	SS	DCONWS	BD	LPR	LB	CRKS
DIN69871 40 EM 10x45	40	10	35	45	25.9	M16
EM 12x45	40	12	42	45	25.9	M16
EM 14x45	40	14	44	45	25.9	M16
EM 16x45	40	16	48	45	25.9	M16
EM 18x45	40	18	49	45	25.9	M16
EM 20x45	40	20	49	45	25.9	M16
EM 25x45	40	25	49	45	25.9	M16

• Add B for coolant through flange

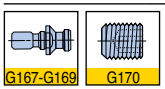
DIN69871-EM

End mill holders





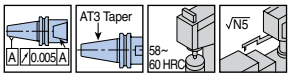
Designation	Dimension (mm)							
	SS	DCONWS	BD	BD_2	LPR	LBX	LB	CRKS
DIN69871 30 EM 6x50	30	6	25	-	50	30.9	-	M12
EM 8x50	30	8	28	-	50	30.9	-	M12
EM 10x50	30	10	35	-	50	30.9	-	M12
EM 14x63	30	14	44	-	63	43.9	-	M12
EM 16x63	30	16	48	-	63	43.9	-	M12
EM 18x72	30	18	50	-	72	52.9	-	M12
EM 20x72	30	20	52	-	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	65	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

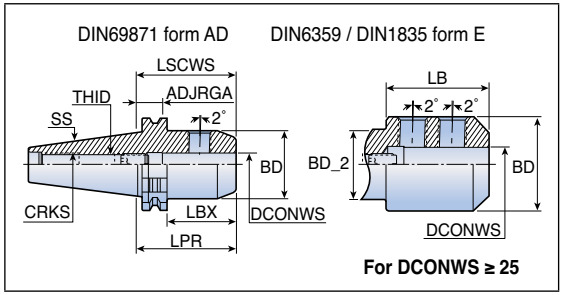


• Add B for coolant through flange except DIN69871 30

DIN69871-EM-E

End mill holders - Whistle notch





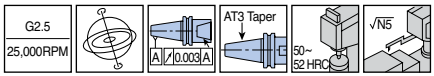
Designation	Dimension (mm)										
	SS	d2	BD	BD_2	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID
DIN69871 40 EM 8x50E	40	8	28	-	50	30.9	-	10	45	M16	M6
EM 10x50E	40	10	35	-	50	30.9	-	10	49	M16	M8
EM 12x50E	40	12	42	-	50	30.9	-	10	54	M16	M10
EM 14x63E	40	14	44	-	63	43.9	-	10	54	M16	M10
EM 16x63E	40	16	48	-	63	43.9	-	10	57	M16	M12
EM 18x63E	40	18	50	-	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 8x63E	50	8	28	-	63	43.9	-	10	45	M24	M6
EM 10x63E	50	10	35	-	63	43.9	-	10	49	M24	M8
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 18x63E	50	18	50	-	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

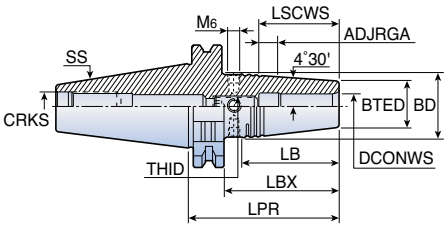
DIN69871-SRKIN

T-SHRINK

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	M16
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	M10
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	M12
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	58	M24	M16

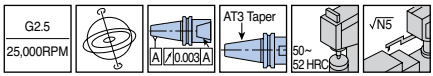
G167-G169 G171 G177 G190

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

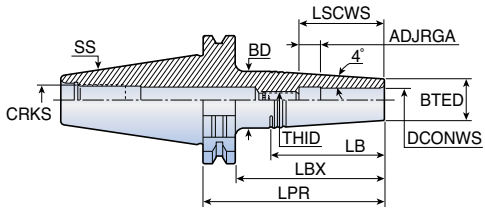
DIN69871-SRK

T-SHRINK

Thermal shrinking chucks



DIN69871 form AD T-SHRINK



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

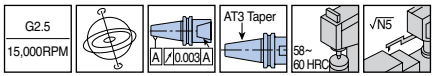
G167-G169 G177 G178 G190

• Add B for coolant through the flange

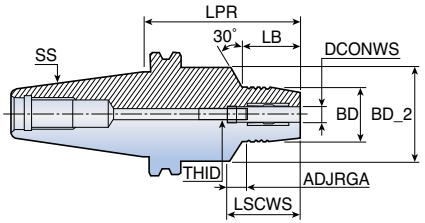
DIN69871-THC

THYCHUCK

Hydraulic chucks



DIN69871 form AD T-HYCHUCK



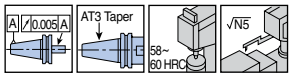
Designation		Dimension (mm)								
		SS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID
DIN69871 40	**THC 6-65**	40	6	28	50	65	23	10	37.5	M5
	THC 8-65	40	8	30	50	65	23	10	37.5	M6
	THC 10-95	40	10	32	50	95	44	10	42.5	M8x1
	THC 12-95	40	12	34	50	95	44	10	47.5	M10x1
	THC 14-95	40	14	36	50	95	47	10	47.5	M10x1
	THC 16-95	40	16	38	50	95	48	10	52.5	M10x1
	THC 18-95	40	18	41	50	95	47	10	52.5	M10x1
	THC 20-95	40	20	43	50	95	48	10	52.5	M10x1
DIN69871 50	**THC 12-90(1)**	50	12	34	50	90	44	10	47.5	M10x1
	THC 16-90(1)	50	16	38	50	90	48	10	52.5	M10x1
	THC 20-120(1)	50	20	43	50	120	48	10	52.5	M10x1
	THC 20-150(1)	50	20	43	50	150	48	10	52.5	M10x1
	THC 25-135(1)	50	25	53	-	135	-	10	61.0	M10x1
	THC 32-135(1)	50	32	63	-	135	-	10	65.0	M16x1
	THC 32-150(1)	50	32	63	-	150	-	10	65.0	M16x1

G153-G154 G167-G169 G188

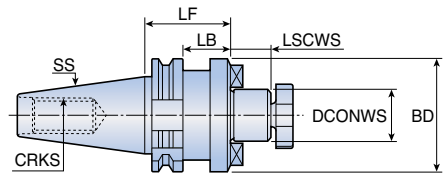
- Add B for coolant through flange
- (1) Balance to G2.5 at 10,000RPM

DIN69871-SEM

Face mill arbors



DIN69871 form A ISO 3937



Designation	Dimension (mm)						
	SS	DCONWS	BD	LF	LB	LSCWS	CRKS
DIN69871 30 SEM 16x35	30	16	38	35	15.9	17	M12
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


G167-G169

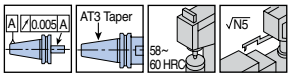

G170

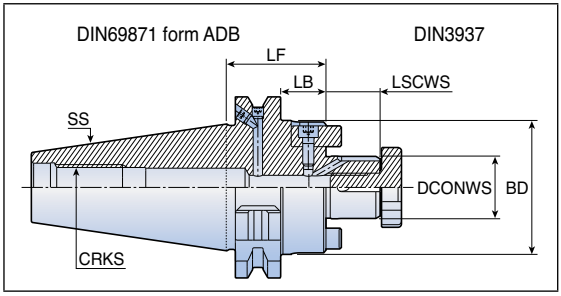

G171

• Wrench not included

DIN69871-SEM-C

Face mill arbors with coolant hole





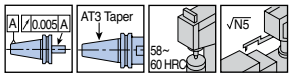
Designation		Dimension (mm)						
		SS	DCONWS	BD	LF	LB	LSCWS	CRKS
DIN69871 40	**SEM 16x35C**	40	16	38	35	15.9	17	M16
	SEM 16x100C	40	16	38	100	80.9	17	M16
	SEM 22x35C	40	22	47	35	15.9	19	M16
	SEM 22x100C	40	22	47	100	80.9	19	M16
	SEM 27x60C	40	27	58	60	40.9	21	M16
	SEM 27x100C	40	27	58	100	80.9	21	M16
	SEM 32x60C	40	32	66	60	40.9	24	M16
DIN69871 50	**SEM 16x35TC**	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

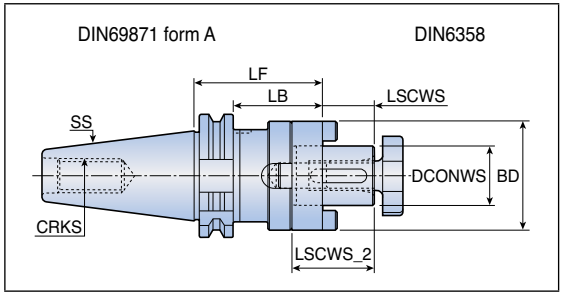
G167-G169 G170 G171

- If the “B type” option is required, the plug screw must be removed from the flange cooling hole (Use a 2mm hex key)

DIN69871-SEMC

Combi shell end mill arbors



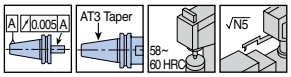


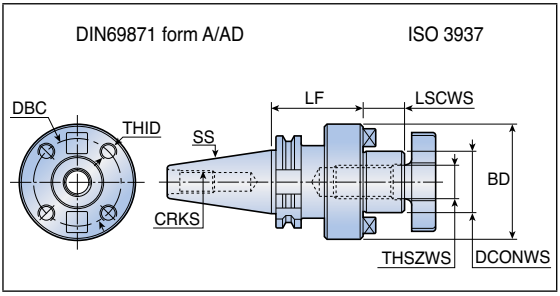
Designation	Dimension (mm)							
	SS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2	CRKS
DIN69871 30 SEMC 16x50	30	16	32	50	30.9	17	27	M12
SEMC 22x50	30	22	40	50	30.9	19	31	M12
SEMC 32x60	30	32	58	30	40.9	24	38	M12
DIN69871 40 SEMC 16x55	40	16	32	55	35.9	17	27	M16
SEMC 16x100	40	16	32	100	80.9	17	27	M16
SEMC 22x55	40	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

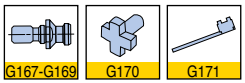
DIN69871-FM

Face mill arbors





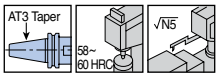
Designation	Dimension (mm)								
	SS	DCONWS	BD	DBC	LF	LSCWS	CRKS	THID	THSZWS
DIN69871 40 FM 40[1]	40	40	88	66.7	60	27	M16	M12	M20
DIN69871 50 FM 40[1]	50	40	88	66.7	70	27	M24	M12	M20
FM 60[2]	50	60	128	101.6	70	40	M24	M16	-

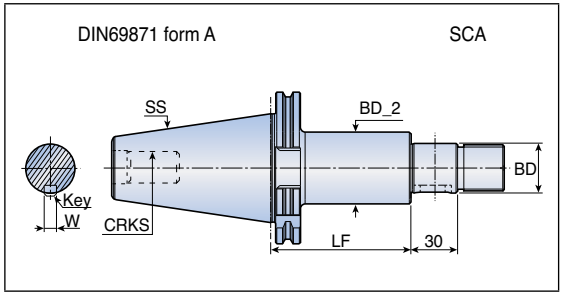


- 4 pcs of mounting screws are included
- [1] Form AD
- [2] Form A

DIN69871-SCA

Slotting cutter arbors





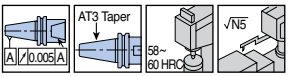
Designation		Dimension (mm)					
		SS	BD	BD_2	LF	W	CRKS
DIN69871 40	**SCA-22-75**	40	22	34	75	6	M16
	SCA-22-120	40	22	34	120	6	M16
	SCA-27-75	40	27	40	75	7	M16
	SCA-27-120	40	27	40	120	7	M16
	SCA-32-90	40	32	46	90	8	M16
DIN69871 50	**SCA-22-90**	50	22	34	90	6	M24
	SCA-22-135	50	22	34	135	6	M24
	SCA-27-90	50	27	40	90	7	M24
	SCA-27-135	50	27	40	135	7	M24
	SCA-32-90	50	32	46	90	8	M24
	SCA-32-135	50	32	46	135	8	M24
	SCA-40-90	50	40	55	90	10	M24
	SCA-40-135	50	40	55	135	10	M24
	SCA-50-90	50	50	68	90	12	M24

G167-G169

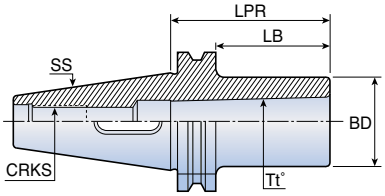
• Washers & key are included (Each 3, 5, 7, 8, 10, 12mm)

DIN69871-MT

Morse taper adapters



DIN69871 form A DIN6383

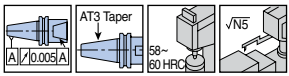


Designation	Dimension (mm)					
	SS	Tt°	BD	LPR	LB	CRKS
DIN69871 30 MT 3x75	30	MT3	40	75	55.9	M12
DIN69871 40 MT 1x50	40	MT1	25	50	30.9	M16
MT 2x50	40	MT2	32	50	30.9	M16
MT 3x70	40	MT3	40	70	50.9	M16
MT 4x95	40	MT4	48	95	75.9	M16
DIN69871 50 MT 1x45	50	MT1	25	45	25.9	M24
MT 2x60	50	MT2	32	60	40.9	M24
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

G167-G169

DIN69871-MT-DRW

Morse taper draw bar adapters



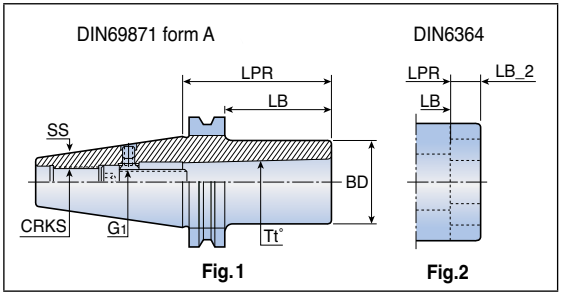


Fig.1 **Fig.2**

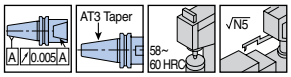
Designation	Dimension (mm)								Fig.
	SS	Tt°	BD	LPR	LB	LB_2	CRKS	G1	
DIN69871 40 MT1 DRW	40	MT1	25	50	30.9	-	M16	M6	1
MT2 DRW	40	MT2	32	50	30.9	-	M16	M10	1
MT3 DRW	40	MT3	40	70	50.9	-	M16	M12	1
MT4 DRW(1)	40	MT4	63	110	90.9	15	M16	M16	2
DIN69871 50 MT1 DRW	50	MT1	25	45	25.9	-	M24	M6	1
MT2 DRW	50	MT2	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

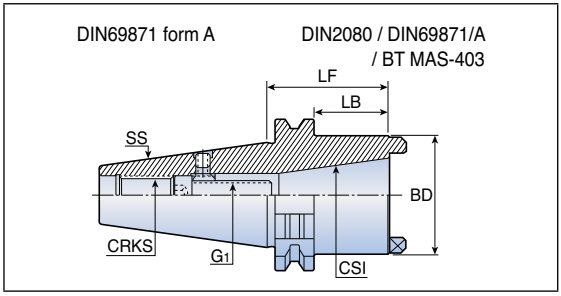
G167-G169

- (1) DIN2201

DIN69871-AD

Adapters

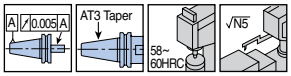


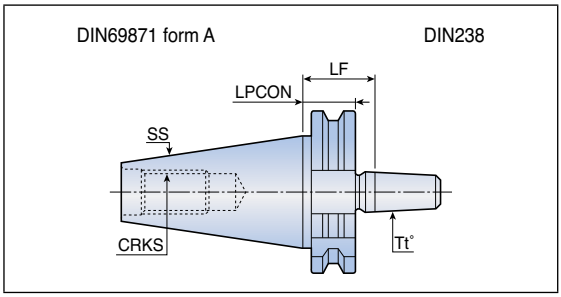


Designation	Dimension (mm)						
	SS	CSI	BD	LF	LB	CRKS	G1
DIN69871 40 AD DIN2080 30	40	DIN2080 30	50	50	30.9	M16	M12
DIN69871 50 AD BT/SK 40	50	BT/SK 40	66	70	50.9	M24	M16

DIN69871-DC

Drill chuck arbors





Designation	Dimension (mm)				
	SS	Tt°	LF	LPCON	CRKS
DIN69871 30 DC B12x26	30	B12	26	19.1	M12
DIN69871 40 DC B12x26	40	B12	26	19.1	M16
DC B16x26	40	B16	26	19.1	M16
DC B18x26	40	B18	26	19.1	M16
DIN69871 50 DC B16x26	50	B16	26	19.1	M24
DC B18x26	50	B16	26	19.1	M24

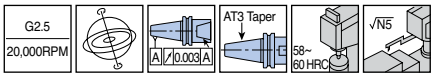
G167-G169

- Without drill chuck

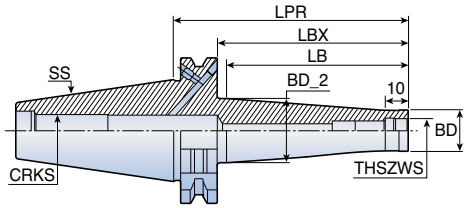
DIN69871-ODP

TFLEXTEC

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

G167-G169

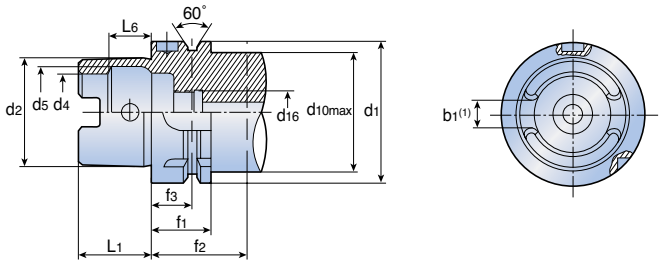
- If the “B type” option is required, the plug screw must be removed from the flange cooling hole (Use a 2mm hex key)
- (1) Balance to G6.3 at 12,000RPM

HSK

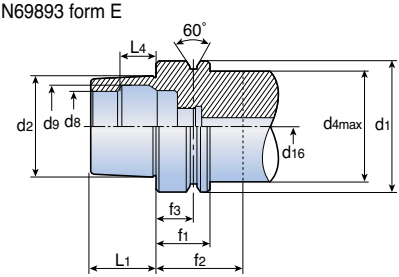
DIN69893 Form A/E/F

Standard toolholder

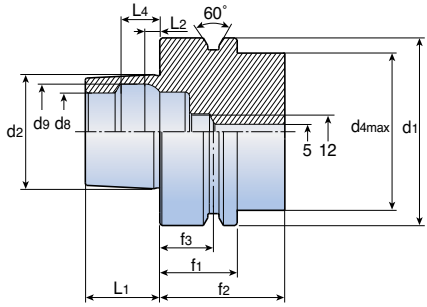
DIN69893 form A



DIN69893 form E



DIN69893 form F(2)



DIN69893 form A

HSK-A	d1 h10	d2	d4 H10	d5 H11	d10max	d16	L1 -0.2	L6 JS10	b1 ±0.04(1)	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

• (1) The dimensions in parentheses refer to dimension b1 only for HSK A...WH tools.
These tools feature key slot gap and tolerance, sed on turning tools for accurate cutting edge height position.
(According to Japanese ICTM standard and ISO 12164/3 standard)

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(2)

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

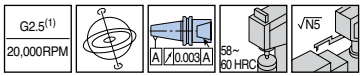
• (2) Without crosshole

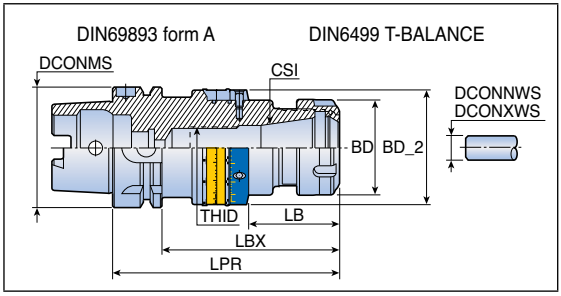
* For non-stock items: Supply condition is subject to availability.
If not available in stock then MOQ (Minimum order qty) will be applicable.

HSK A-ER-BIN

TBALANCE

Balanceable ER collet chucks





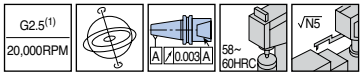
Designation	Dimension (mm)									
	DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK A 63 ER 16x100 BIN	63	ER16	0.5	10.0	28	44	100	74	45.0	M10
ER 16x160 BIN	63	ER16	0.5	10.0	28	44	160	134	75.0	M10
ER 20x100 BIN	63	ER20	1.0	13.0	34	44	100	74	45.1	M12
ER 20x160 BIN	63	ER20	1.0	13.0	34	44	160	134	86.1	M12
ER 25x100 BIN	63	ER25	1.0	16.0	42	44	100	74	45.2	M16
ER 25x160 BIN	63	ER25	1.0	16.0	42	44	160	134	86.2	M16
ER 32x120 BIN	63	ER32	2.0	20.0	50	60	120	94	48.0	M22x1.5
ER 32x160 BIN	63	ER32	2.0	20.0	50	60	160	134	85.0	M22x1.5

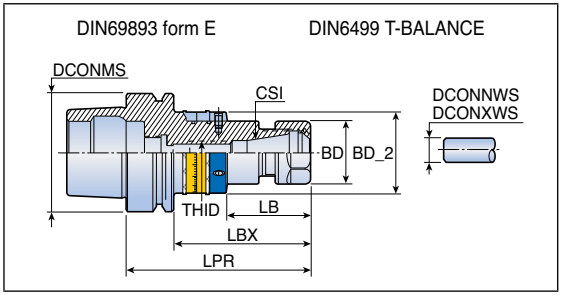
• (1) Preset balanced value

HSK E-ER-BIN

TBALANCE

Balanceable ER collet chucks





Designation	Dimension (mm)									
	DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK E 63 ER 16x100 BIN	63	ER16	0.5	10.0	28	44	100	74	45.0	M10
ER 20x100 BIN	63	ER20	1.0	13.0	34	44	100	74	45.1	M12
ER 25x100 BIN	63	ER25	1.0	13.0	42	44	100	74	45.2	M16
ER 32x120 BIN	63	ER32	2.0	20.0	50	60	120	94	48.0	M22x1.5


G139-G149

G166-G167

G170

G172

G172

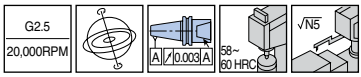
G173

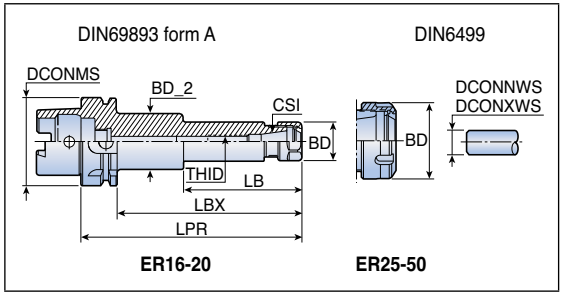

G187

• (1) Preset balanced value

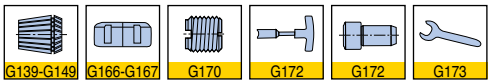
HSK A-ER

ER collet chucks



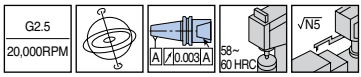


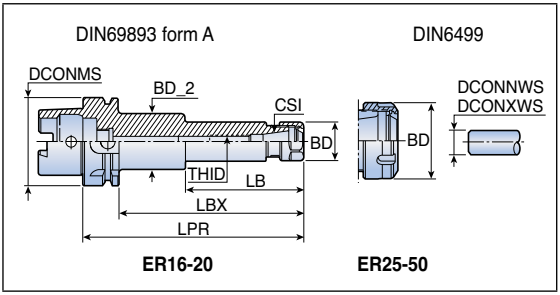
Designation		Dimension (mm)									
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK A 40	**ER 16x60**	40	ER16	0.5	10.0	28	-	60	40	-	-
	ER 16x80	40	ER16	0.5	10.0	28	-	80	60	-	M10
	ER 16x100	40	ER16	0.5	10.0	28	-	100	80	-	M10
	ER 25x60	40	ER25	1.0	16.0	42	32.4	60	40	28.0	-
	ER 25x80	40	ER25	1.0	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 16x120	50	ER16	0.5	10.0	28	-	120	94	-	M10
	ER 20x100	50	ER20	1.0	13.0	34	-	100	74	-	M12
	ER 20x120	50	ER20	1.0	13.0	34	-	120	94	-	M12
	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
	ER 32x120	50	ER32	2.0	20.0	50	41.8	120	94	35.0	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 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


G139-G149 G166-G167 G170 G172 G172 G173

HSK A-ER

ER collet chucks





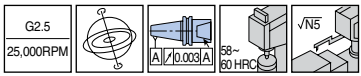
Designation	Dimension (mm)									
	DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK A 100 ER 16x100[1]	100	ER16	0.5	10.0	28	-	100	71	-	M10
ER 16x160[1]	100	ER16	0.5	10.0	28	40	160	131	85	M10
ER 20x100[1]	100	ER20	1.0	13.0	34	-	100	71	-	M12
ER 20x160[1]	100	ER20	1.0	13.0	34	50	160	131	85	M12
ER 25x100[1]	100	ER25	1.0	16.0	42	-	100	71	-	M16
ER 25x120[1]	100	ER25	1.0	16.0	42	-	120	91	-	M16
ER 25x160[1]	100	ER25	1.0	16.0	42	-	160	134	-	M16
ER 32x100[1]	100	ER32	2.0	20.0	50	-	100	71	-	M22x1.5
ER 32x120[1]	100	ER32	2.0	20.0	50	-	120	91	-	M22x1.5
ER 32x160[1]	100	ER32	2.0	20.0	50	-	160	131	-	M22x1.5
ER 40x100[1]	100	ER40	3.0	26.0	63	-	100	71	-	M28x1.5
ER 40x120[1]	100	ER40	3.0	26.0	63	-	120	91	-	M28x1.5
ER 40x160[1]	100	ER40	3.0	26.0	63	-	160	131	-	M28x1.5
ER 50x100[1]	100	ER50	10.0	34.0	78	-	100	71	-	M22x1.5

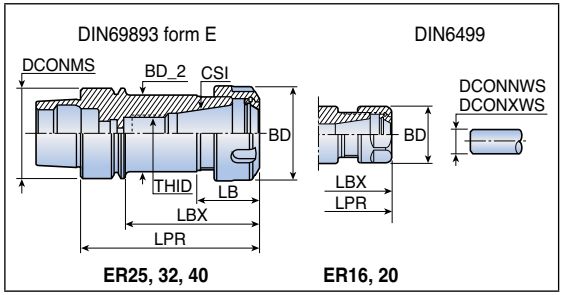
G139-G149 G166-G167 G170 G172 G172 G173

• [1] Balance to G6.3 at 12,000RPM

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 32x80	63	ER32	2.0	20.0	50	40.4	80	54	31.0	-
	ER 32x100	63	ER32	2.0	20.0	50	-	100	75	-	M22x1.5
	ER 40x80	63	ER40	3.0	26.0	63	-	80	54	34.0	-


G139-G149

G157-G163

G166-G167

G170

G172

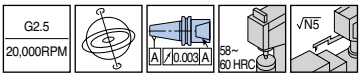
G172

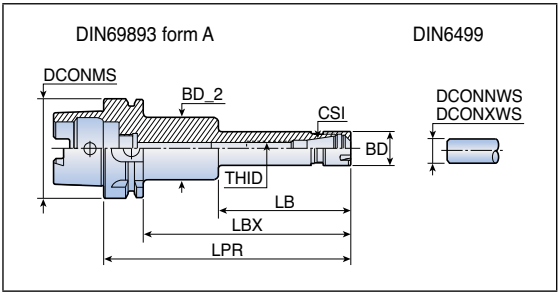
G173

• [(1)] Equipped with nut ER16 MINI

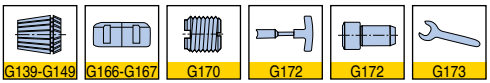
HSK A-ER-M

ER mini collet chucks





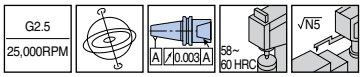
Designation		Dimension (mm)									
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK A 50	**ER 16x100 M**	50	ER16	0.5	10.0	22	-	100	74	-	M10
	ER 16x120 M	50	ER16	0.5	10.0	22	-	120	94	-	M10
	ER 20x100 M	50	ER20	1.0	13.0	28	-	100	74	-	M12
	ER 20x120 M	50	ER20	1.0	13.0	28	-	120	94	-	M12
HSK A 63	**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(1)**	100	ER16	0.5	10.0	22	-	100	71	-	M10
	ER 16x160 M(1)	100	ER16	0.5	10.0	22	40	160	131	85	M10
	ER 20x100 M(1)	100	ER20	1.0	13.0	28	-	100	71	-	M12
	ER 20x160 M(1)	100	ER20	1.0	13.0	28	45	160	131	85	M12

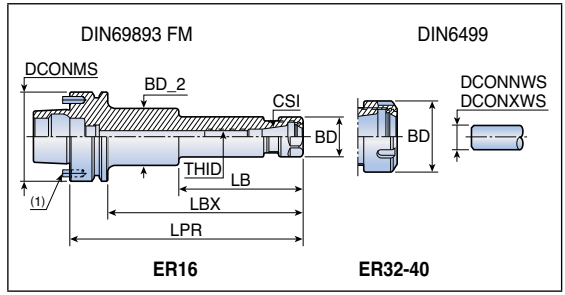


• (1) Balance to G6.3 at 12,000RPM

HSK FM-ER

ER collet chucks





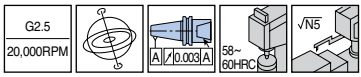
Designation		Dimension (mm)									
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	THID
HSK FM 63	**ER 16x80**	63	ER16	0.5	10.0	28	-	80	54	-	M10
	ER 16x100	63	ER16	0.5	10.0	28	-	100	74	-	M10
	ER 16x120	63	ER16	0.5	10.0	28	-	120	94	-	M10
	ER 16x160	63	ER16	0.5	10.0	28	40	160	134	85.6	M10
	ER 32x80	63	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

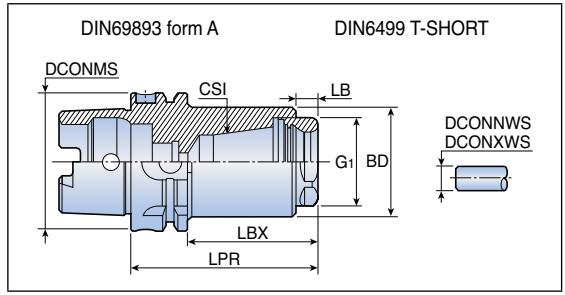
• (1) The driving pins can be removed to turn the toolholder into a standard HSK F 63 type

HSK A-ER-SHORT

T-SHORT

Short ER collet chucks



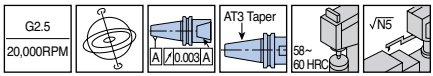


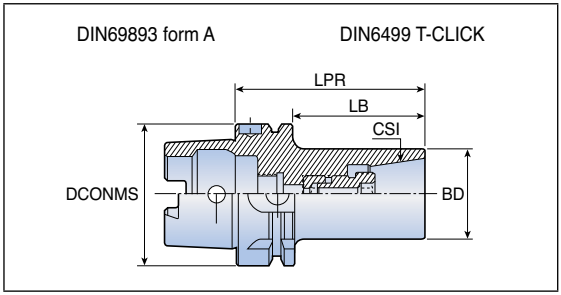
Designation		Dimension (mm)								
		DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR	LBX	LB	G1
HSK A 63	**ER 32 SHORT**	63	ER32	2.0	10.0	50	81.0	55.0	9.5	M40x1.5
HSK A 100	**ER 32 SHORT**	100	ER32	2.0	10.0	50	89.5	60.5	9.5	M40x1.5
	ER 40 SHORT	100	ER40	3.0	26.0	70	104.5	75.5	9.5	M50x1.5

• (1) Equipped with nut ER16 MINI

HSK A-ER-CLICK-IN

Quick change connection adapters

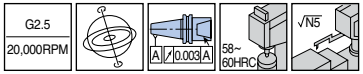


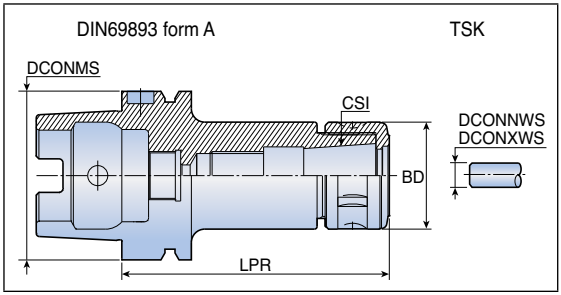


Designation	Dimension (mm)				
	DCONMS	CSI	BD	LPR	LB
HSK A 63 ER32 CLICK-IN	63	32 SRF	41	85	59

HSK A-TSK

TSK collet chucks



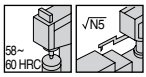


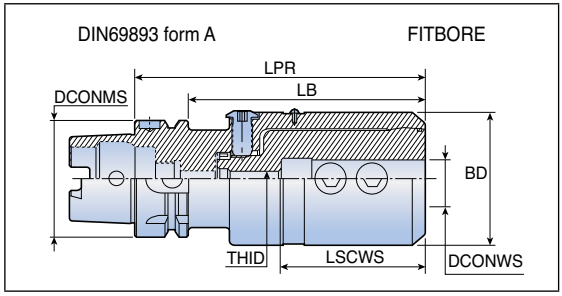
Designation		Dimension (mm)					
		DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR
HSK A 50	**TSK 6-80**	50	TSK6	1.5	6.0	19.5	80
	TSK 10-90	50	TSK10	1.5	10.0	27.5	90
	TSK 16-100	50	TSK16	2.5	16.0	40.0	100
HSK A 63	**TSK 6-80**	63	TSK6	1.5	6.0	19.5	80
	TSK 10-90	63	TSK10	1.5	10.0	27.5	90
	TSK 16-100	63	TSK16	2.5	16.0	40.0	100
	TSK 25-120	63	TSK20	15.5	25.4	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	15.5	25.4	55.0	120

FITBORE HSK A-EM

FITBORE

Adjustable rotary toolholders

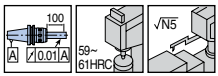


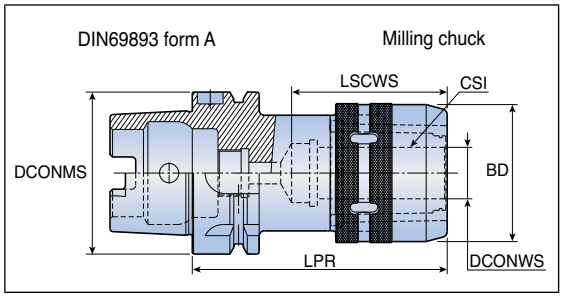


Designation		Dimension (mm)						
		DCONMS	DCONWS	BD	LPR	LB	LSCWS	THID
FITBORE HSK A 63	**EM 25**	63	25	72	142	116	71	M10
	EM 32	63	32	72	142	116	71	M10
	EM 40	63	40	72	142	116	71	M10

HSK A-TMC

Milling chucks





Designation		Dimension (mm)					
		DCONMS	CSI	DCONWS	BD	LPR	LSCWS
HSK A 63	**TMC 20-105**	63	20	20	54	105	70
	TMC 25-120	63	25	25	62	120	80
	TMC 32-130	63	32	32	72	130	100
HSK A 100	**TMC 20-110**	100	20	20	54	110	70
	TMC 25-130	100	25	25	62	130	80
	TMC 32-135	100	32	32	72	135	100
	TMC 42-135	100	42	42	92	135	100


G155-G156


G170

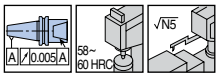

G172

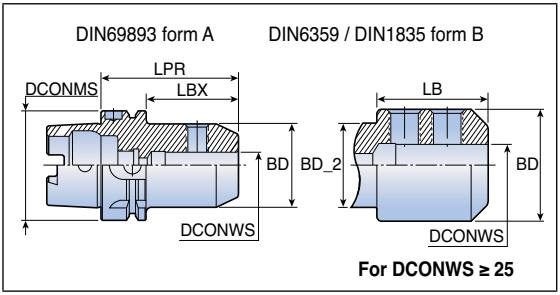

G172

G184,G192

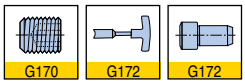
HSK A-EM

End mill holders



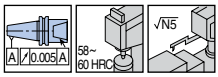


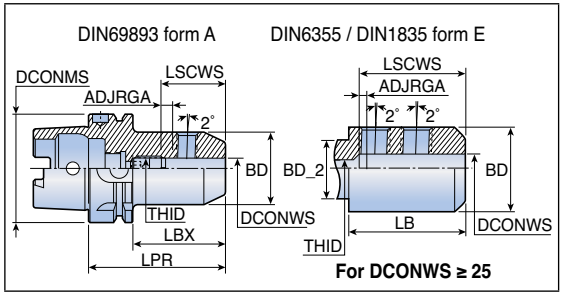
Designation		Dimension (mm)						
		DCONMS	DCONWS	BD	BD_2	LPR	LBX	LB
HSK A 50	**EM 6x65**	50	6	25	-	65	39	-
	EM 8x65	50	8	28	-	65	39	-
	EM 10x65	50	10	35	-	65	39	-
	EM 14x80	50	14	44	-	80	54	-
	EM 16x80	50	16	48	-	80	54	-
	EM 18x80	50	18	50	-	80	54	-
	EM 20x80	50	20	52	-	80	54	-
HSK A 63	**EM 6x65**	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 18x100	100	18	50	-	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	-



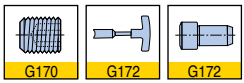
HSK A-EM-E

End mill holders - Whistle notch





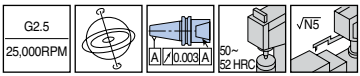
Designation		Dimension (mm)									
		DCONMS	DCONWS	BD	BD_2	LPR	LBX	LB	ADJRGA	LSCWS	THID
HSK A 50	**EM 6x80 E**	50	6	25	-	80	54	-	8	38	M5
	EM 8x80 E	50	8	28	-	80	54	-	5	40	M6
	EM 10x80 E	50	10	35	-	80	54	-	5	44	M8
	EM 12x90 E	50	12	42	-	90	64	-	5	49	M10
	EM 14x90 E	50	14	44	-	90	64	-	5	49	M10
	EM 16x90 E	50	16	48	-	90	64	-	5	52	M12
	EM 18x90 E	50	18	50	-	90	64	-	5	52	M12
	EM 20x100 E	50	20	52	-	100	74	-	5	54	M16
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 10x80 E	63	10	35	-	80	54	-	5	44	M8
	EM 12x90 E	63	12	42	-	90	64	-	5	49	M10
	EM 14x90 E	63	14	44	-	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 6x90 E**	100	6	25	-	90	61	-	5	40	M5
	EM 8x90 E	100	8	28	-	90	61	-	5	40	M6
	EM 10x90 E	100	10	35	-	90	61	-	5	44	M8
	EM 12x100 E	100	12	42	-	100	71	-	10	54	M10
	EM 14x100 E	100	14	44	-	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

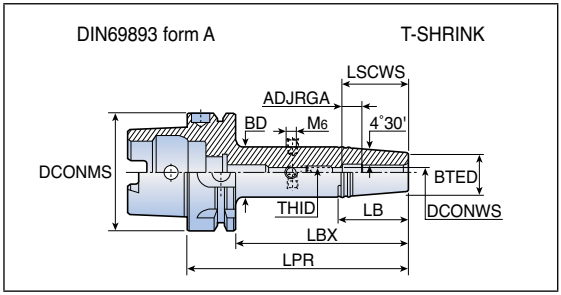


HSK A-SRKIN

TSHRINK

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
	SRKIN 8x80	50	8	21	27	80	54	38	11	36	M6	3.0
	SRKIN 10x85	50	10	24	32	85	59	51	11	42	M8	4.0
	SRKIN 12x90	50	12	24	32	90	64	51	11	47	M10	5.0
	SRKIN 14x90	50	14	27	34	90	64	45	11	47	M10	5.0
	SRKIN 16x95	50	16	27	34	95	69	45	11	50	M10	5.0
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	-	-

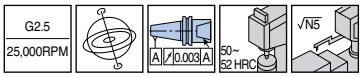
G171 G172 G172 G177 G190

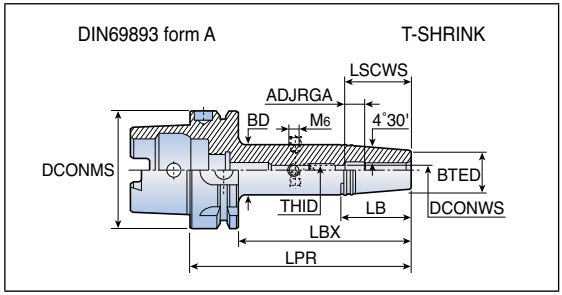
• Use only inductive heating device for T-SHRINK holders

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**	100	6	21	27	85	56	38	11	36	M5	2.5
	SRKIN 6x120	100	6	21	27	120	91	38	11	36	M5	2.5
	SRKIN 6x160	100	6	21	27	160	131	38	11	36	M6	3.0
	SRKIN 8x85	100	8	21	27	85	56	38	11	36	M6	3.0
	SRKIN 8x120	100	8	21	27	120	91	38	11	36	M6	3.0
	SRKIN 8x160	100	8	21	27	160	131	38	11	36	M6	3.0
	SRKIN 10x90	100	10	24	32	90	61	51	11	42	M8	4.0
	SRKIN 10x120	100	10	24	32	120	91	51	11	42	M8	4.0
	SRKIN 10x160	100	10	24	32	160	131	51	11	42	M8	4.0
	SRKIN 12x95	100	12	24	32	95	66	51	11	47	M10	5.0
	SRKIN 12x120	100	12	24	32	120	91	51	11	47	M10	5.0
	SRKIN 12x160	100	12	24	32	160	131	51	11	47	M10	5.0
	SRKIN 14x95	100	14	27	34	95	66	45	11	47	M10	5.0
	SRKIN 14x120	100	14	27	34	120	91	45	11	47	M10	5.0
	SRKIN 14x160	100	14	27	34	160	131	45	11	47	M10	5.0
	SRKIN 16x100	100	16	27	34	100	71	45	11	50	M12	6.0
	SRKIN 16x120	100	16	27	34	120	91	45	11	50	M12	6.0
	SRKIN 16x160	100	16	27	34	160	131	45	11	50	M12	6.0
	SRKIN 18x100	100	18	33	42	100	71	57	11	50	M12	6.0
	SRKIN 18x160	100	18	33	42	160	131	57	11	50	M12	6.0
	SRKIN 20x105	100	20	33	42	105	76	57	11	52	M16	8.0
	SRKIN 20x160	100	20	33	42	160	131	57	11	52	M16	8.0
	SRKIN 25x115	100	25	44	53	115	86	57	11	58	M16	8.0
	SRKIN 32x120	100	32	44	53	120	91	57	11	58	M16	8.0

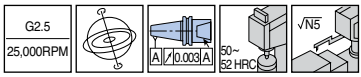
G171 G172 G172 G177 G190

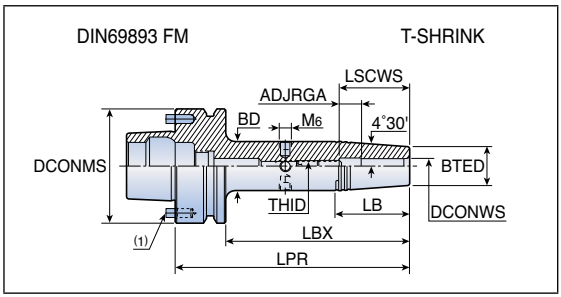
- Use only inductive heating device for T-SHRINK holders

HSK FM-SRKIN

T-SHRINK

Thermal shrinking chucks





Designation	Dimension (mm)										
	DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Hex key
HSK FM 63 SRKIN 6x80	63	6	21	27.0	80	54	38.0	11	36	M5	2.5
SRKIN 8x80	63	8	21	37.0	80	54	38.0	11	36	M6	3.0
SRKIN 10x85	63	10	24	32.0	85	59	50.5	11	42	M8	4.0
SRKIN 12x90	63	12	24	32.0	90	64	50.5	11	47	M10	5.0
SRKIN 14x90	63	14	27	34.0	90	64	44.5	11	47	M10	5.0
SRKIN 16x95	63	16	27	34.0	95	69	44.5	11	50	M12	6.0
SRKIN 18x95	63	18	33	42.0	95	69	57.0	11	50	M12	6.0
SRKIN 20x100	63	20	33	42.0	100	74	57.0	11	52	M16	8.0
SRKIN 25x115	63	25	44	52.7	115	89	55.0	11	58	M16	8.0
SRKIN 32x120	63	32	44	52.7	120	94	55.0	11	58	M16	8.0

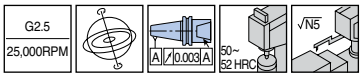
G171 G172 G172 G177 G190

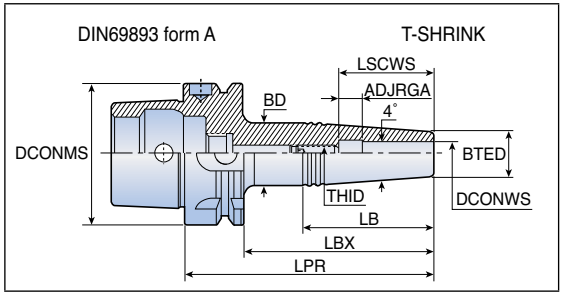
• (1) The driving pins can be removed to turn the toolholder into a standard HSK F 63 type

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


G172


G172


G177


G178

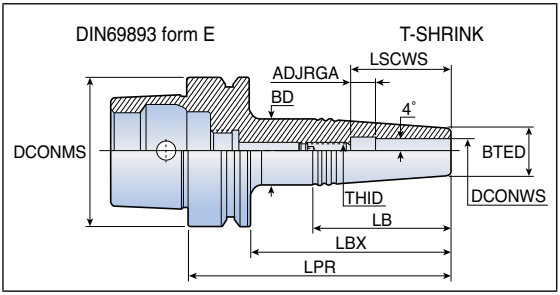
G190

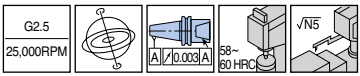
ADVANCE MACHINING
TaeguTec Industry 4.0

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 5x45	32	5	10	15	65	45	35.0	10	25	M4	2.0
	SRK 6x45	32	6	11	16	65	45	35.0	10	28	M4	2.0
	SRK 8x45	32	8	14	20	65	45	42.0	10	35	M4	2.0
	SRK 10x45	32	12	16	22	65	45	42.0	10	40	M4	2.0
	SRK 12x45	32	12	20	25	65	45	35.6	8	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 5x45	50	5	10	15	71	45	36.0	6	21	M6	3.0
	SRK 5x80	50	5	10	15	106	80	64.0	6	21	M6	3.0
	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
	SRK 12x80	50	12	20	28	106	80	57.0	10	42	M10	5.0


G172


G172


G177

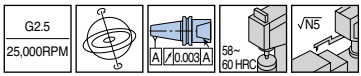

G178

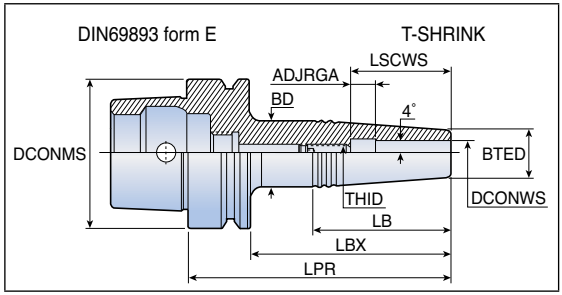
G190

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 63	**SRK 3x50**	63	3	10	17	76	50	48	6	16	M6	3.0
	SRK 3x80	63	3	10	19	106	80	64	6	16	M6	3.0
	SRK 4x50	63	4	10	17	76	50	48	6	18	M6	3.0
	SRK 4x80	63	4	10	19	106	80	64	6	18	M6	3.0
	SRK 5x50	63	5	10	15	71	50	47	6	21	M6	3.0
	SRK 5x80	63	5	10	19	106	80	64	6	21	M6	3.0
	SRK 6x50	63	6	11	18	76	50	48	6	24	M8	4.0
	SRK 6x80	63	6	11	20	106	80	64	6	24	M8	4.0
	SRK 8x50	63	8	14	21	76	50	48	10	35	M6	3.0
	SRK 8x80	63	8	14	23	106	80	64	10	35	M6	3.0
	SRK 10x50	63	10	16	23	76	50	48	10	40	M8	4.0
	SRK 10x80	63	10	16	24	106	80	60	10	40	M8	4.0
	SRK 12x50	63	12	20	27	76	50	48	10	42	M8	4.0
	SRK 12x80	63	12	20	28	106	80	57	10	42	M10	5.0
	SRK 12x90	63	12	20	28	116	90	57	11	43	M8	4.0


G172


G172


G177


G178

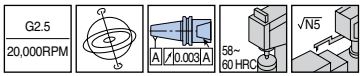
G190

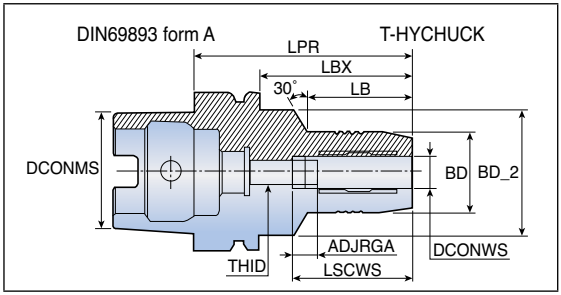
ADVANCE MACHINING
TaeguTec Industry 4.0

HSK A-THC

THYCHUCK

Hydraulic chucks





Designation		Dimension (mm)									
		DCONMS	DCONWS	BD	BD_2	LPR	LBX	LB	ADJRGA	LSCWS	THID
HSK A 40	**THC 6-70**	40	6	28	34	70	50	28	10	37.5	M5
	THC 8-70	40	8	30	34	70	50	28	10	37.5	M6
	THC 10-75	40	10	32	34	75	55	34	10	42.5	M6
	THC 12-85	40	12	34	34	85	60	60	10	47.5	M6
HSK A 50	**THC 6-70**	50	6	28	40	70	44	28	10	37.5	M5
	THC 8-70	50	8	30	40	70	44	28	10	37.5	M6
	THC 10-75	50	10	32	40	75	49	34	10	42.5	M8x1
	THC 12-80	50	12	34	40	85	59	39	10	47.5	M10x1
	THC 16-90	50	16	38	53	90	64	30	10	52.5	M10x1
	THC 20-90	50	20	43	60	90	64	29	10	52.5	M10x1
HSK A 63	**THC 6-70**	63	6	28	50	70	44	24	10	37.5	M5
	THC 8-70	63	8	30	50	70	44	24	10	37.5	M6
	THC 10-80	63	10	32	50	80	54	35	10	42.5	M8x1
	THC 12-85	63	12	34	50	85	59	40	10	47.5	M10x1
	THC 14-85	63	14	36	50	85	59	40	10	47.5	M10x1
	THC 16-90	63	16	38	50	90	64	46	10	52.5	M10x1
	THC 20-90	63	20	43	50	90	64	48	10	52.5	M10x1
	THC 25-120	63	25	57	63	120	94	59	10	61.0	M16x1
	THC 32-125	63	32	63	75	125	99	63	10	65.0	M16x1
HSK A 100	**THC 6-80**(1)	100	6	28	50	80	46	29	10	37.5	M5
	THC 8-75(1)	100	8	30	54	75	46	26	10	37.5	M6
	THC 10-90(1)	100	10	32	50	90	61	42	10	42.5	M8x1
	THC 12-95(1)	100	12	34	50	95	66	47	10	47.5	M10x1
	THC 16-100(1)	100	16	38	50	100	71	53	10	52.5	M10x1
	THC 18-100(1)	100	18	41	50	100	71	53	10	52.5	M10x1
	THC 20-105(1)	100	20	43	50	105	76	59	10	52.5	M10x1
	THC 25-110(1)	100	25	57	63	110	81	62	10	61.0	M16x1
	THC 32-110(1)	100	32	63	75	110	81	62	10	65.0	M16x1

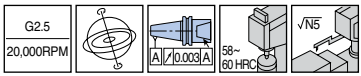
G153-G154 G172 G172 G188

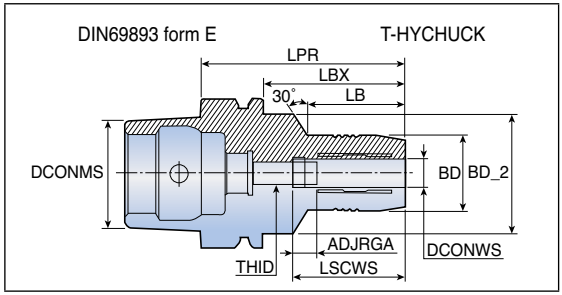
• (1) Balance to G2.5 at 15,000RPM

HSK E-THC

THYCHUCK

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 8-70	40	8	30	34	70	50	28	10	37.5	M6
	THC 10-75	40	10	32	34	75	55	34	10	42.5	M6
	THC 12-80	40	12	34	34	80	60	-	10	47.5	M6
HSK E 50	**THC 6-70**	50	6	28	40	70	44	28	10	37.5	M5
	THC 8-70	50	8	30	40	70	44	28	10	37.5	M6
	THC 10-75	50	10	32	40	75	49	34	10	42.5	M8x1
	THC 12-85	50	12	34	40	85	59	44	10	47.5	M10x1
	THC 16-90	50	16	38	53	90	64	30	10	52.5	M10x1
	THC 20-90	50	20	43	60	90	64	29	10	52.5	M10x1


G153-G154

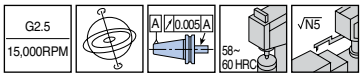

G172

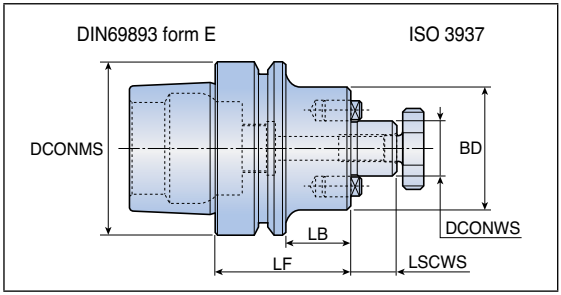

G172

G188

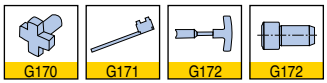
HSK E-SEM

Face mill arbors



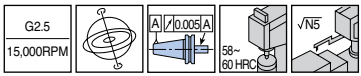


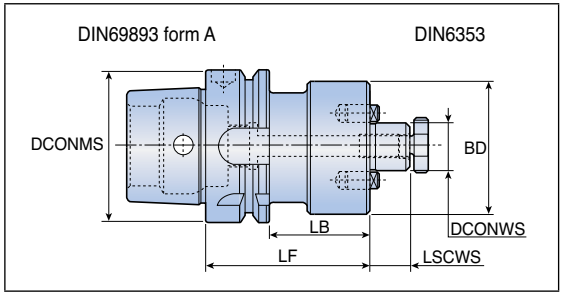
Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LF	LB	LSCWS
HSK E 40	**SEM 16x50**	40	16	38	50	30	17
	SEM 22x50	40	22	47	50	30	19
HSK E 50	**SEM 22x60**	50	22	47	60	34	19
HSK E 63	**SEM 16x50**	63	16	38	50	24	17
	SEM 22x50	63	22	47	50	24	19



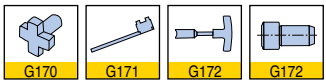
HSK A-SEM

Face mill arbors





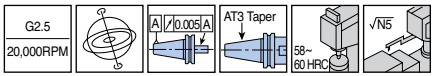
Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LF	LB	LSCWS
HSK A 40	**SEM 22**	40	22	47	50	30	19
	SEM 27	40	27	58	55	35	21
HSK A 50	**SEM 16x50**	50	16	38	50	24	17
	SEM 22x60	50	22	47	60	34	19
	SEM 27x60	50	27	58	60	34	21
HSK A 63	**SEM 16x50**	63	16	38	50	24	17
	SEM 22x50	63	22	47	50	24	19
	SEM 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**(1)	100	22	47	50	21	19
	SEM 27x50(1)	100	27	58	50	21	21
	SEM 32x50(1)	100	32	66	50	21	24
	SEM 40x60(1)	100	40	82	60	31	27
	SEM 50x70(1)	100	50	95	70	41	30

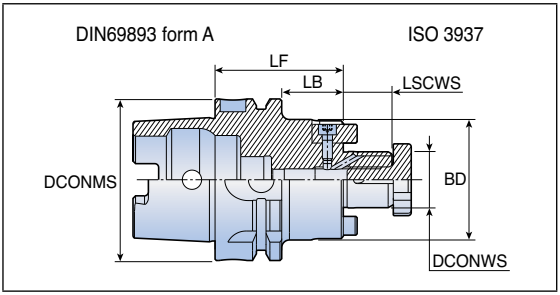


- Wrench not included
- (1) Balance to G6.3 at 12,000RPM

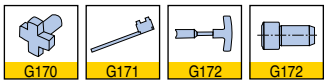
HSK A-SEM-C

Face mill arbors with internal coolant hole





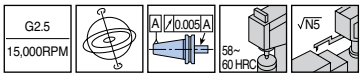
Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LF	LB	LSCWS
HSK A 63	**SEM 16x50 C**	63	16	38	50	24	17
	SEM 16x100 C	63	16	38	100	74	17
	SEM 22x50 C	63	22	47	50	24	19
	SEM 22x100 C	63	22	47	100	74	19
	SEM 27x60 C	63	27	58	60	34	21
	SEM 27x100 C	63	27	58	100	74	21
	SEM 32x60 C	63	32	66	60	34	24
HSK A 100	**SEM 16x50 C(1)**	100	16	38	50	21	17
	SEM 16x100 C(1)	100	16	38	100	71	17
	SEM 22x50 C(1)	100	22	47	50	21	19
	SEM 22x100 C(1)	100	22	47	100	71	19
	SEM 27x50 C(1)	100	27	58	50	21	21
	SEM 27x100 C(1)	100	27	58	100	71	21
	SEM 32x50 C(1)	100	32	66	50	21	24
	SEM 32x100 C(1)	100	32	66	100	71	24

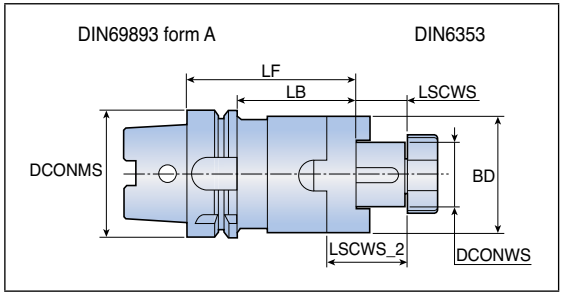


• (1) Balance to G2.5 at 15,000RPM

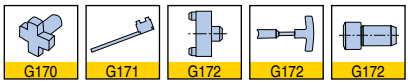
HSK A-SEMC

Combi shell end mill arbors





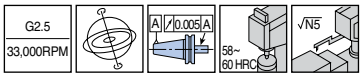
Designation		Dimension (mm)						
		DCONMS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2
HSK A 50	**SEMC 16x50**	50	16	32	50	24	17	27
	SEMC 27x65	50	27	48	65	39	21	33
HSK A 63	**SEMC 16x60**	63	16	32	60	34	17	21
	SEMC 22x60	63	22	40	60	34	19	31
	SEMC 27x60	63	27	48	60	34	21	33
	SEMC 32x60	63	32	58	60	34	24	38
	SEMC 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

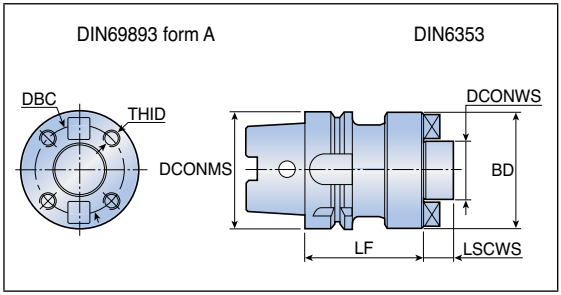


• Wrench not included

HSK A FM

Face mill arbors



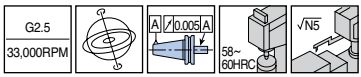


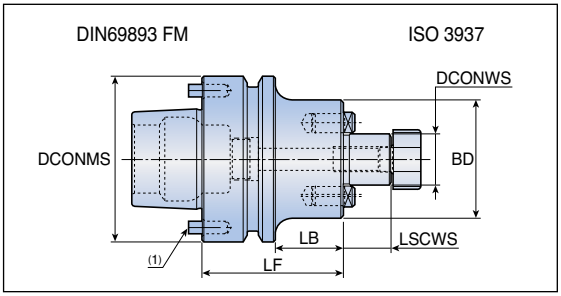
Designation		Dimension (mm)						
		DCONMS	DCONWS	BD	DBC	LF	LSCWS	THID
HSK A 100	**FM 60x70**	100	60	128	101.6	70	40	M16

• Wrench not included

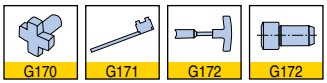
HSK FM-SEM

Face mill arbors - HSK high torque





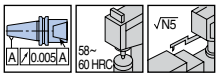
Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LF	LB	LSCWS
HSK FM 63	**SEM 22x60**	63	22	47	60	34	19
	SEM 27x60	63	27	58	60	34	21
	SEM 32x60	63	32	66	60	34	24



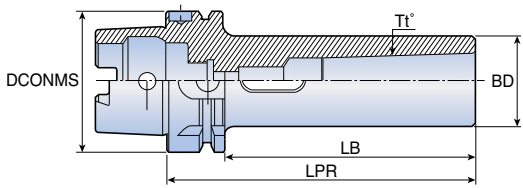
• (1) The driving pins can be removed to turn the toolholder into a standard HSK F 63 type

HSK A-MT

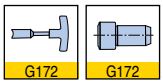
Morse taper adapters



DIN69893 form A DIN6383 / DIN228-2 form D

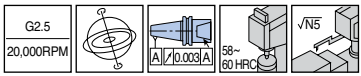


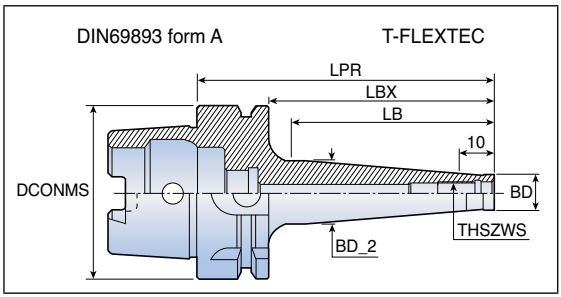
Designation		Dimension (mm)				
		DCONMS	Tt°	BD	LPR	LB
HSK A 50	**MT 1x100**	50	MT1	25	100	74
	MT 2x120	50	MT2	32	120	94
	MT 3x140	50	MT3	40	140	114
HSK A 63	**MT 1x110**	63	MT1	25	110	84
	MT 2x120	63	MT2	32	120	94
	MT 3x140	63	MT3	40	140	114
	MT 4x160	63	MT4	48	160	134
HSK A 100	**MT 1x110**	100	MT1	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



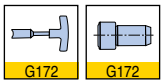
HSK A-ODP

T-FLEXTEC holders





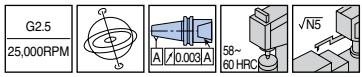
Designation		Dimension (mm)						
		DCONMS	THSZWS	BD	BD_2	LPR	LBX	LB
HSK A 63	**ODP 6x59**	63	M06	9.8	11.5	59	33	25
	ODP 6x109	63	M06	9.8	23.0	109	83	75
	ODP 8x59	63	M08	13.1	15.0	59	33	25
	ODP 8x109	63	M08	13.1	23.0	109	83	75
	ODP 10x59	63	M10	18.0	20.0	59	33	25
	ODP 10x109	63	M10	18.0	28.0	109	83	75
	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

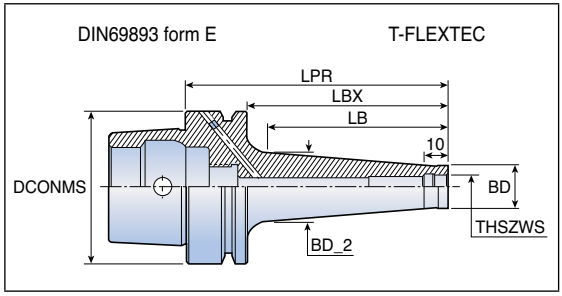


• (1) Balance to G6.3 at 12,000RPM

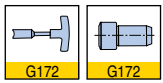
HSK E-ODP

T-FLEXTEC holders



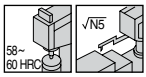


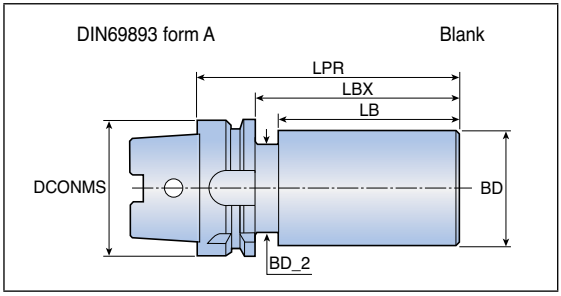
Designation		Dimension (mm)						
		DCONMS	THSZWS	BD	BD_2	LPR	LBX	LB
HSK E 40	**ODP 10x53**	40	M10	18	20	53	33	25
	ODP 10x103	40	M10	18	28	103	83	75
	ODP 12x53	40	M12	21	24	53	33	25
	ODP 12x103	40	M12	21	31	103	83	75
HSK E 50	**ODP 10x59**	50	M10	18	20	59	33	25
	ODP 10x109	50	M10	18	28	109	83	75
	ODP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



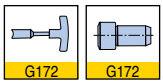
HSK A-B16MN

HSK blanks





Designation		Dimension (mm)					
		DCONMS	BD	BD_2	LPR	LBX	LB
HSK A 50	**B16MN 100**	50	53	41.8	100	74	58.0
	B16MN 200	50	53	41.8	200	174	158.0
HSK A 63	**B16MN 100**	63	63	52.8	100	74	55.5
	B16MN 200	63	63	52.8	200	174	155.5
HSK A 100	**B16MN 100**	100	102	85.0	100	71	54.8
	B16MN 200	100	102	85.0	200	171	154.8



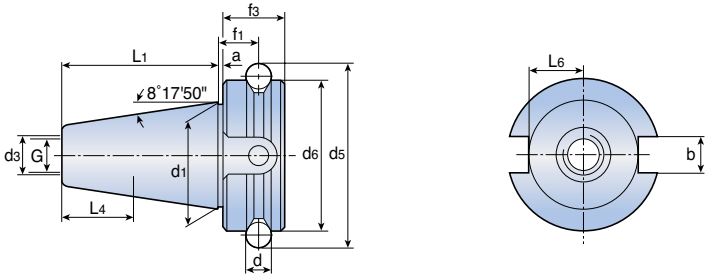
- Material: Case hardened alloy steel
  - Shank hardness 58 HRC minimum
  - Nose hardness 35-37 HRC

BT MAS

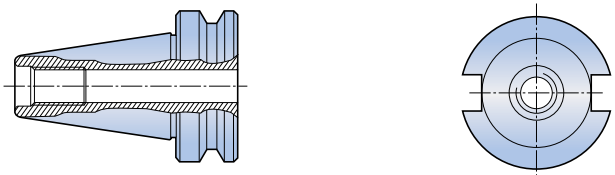
BT MAS 403 Form A/AD/B/ADB

Standard toolholder

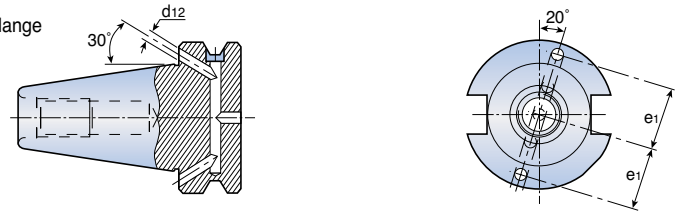
Type “A”



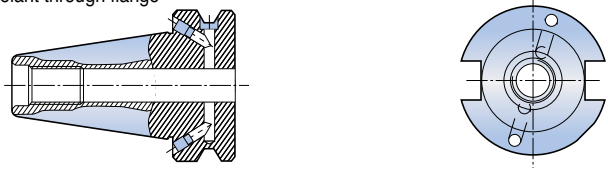
Type “AD”
Coolant hole



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

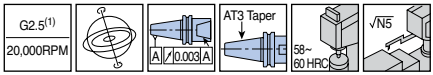
Shank	f1 ±0.1	f3	L1 ±0.2	L4min	L6 -0.2	e1 ±0.1	d12	Taper AT3
30	13.6	20	48.4	24	16.3	21	4	0.002
40	16.6	25	65.4	30	22.6	27	4	0.003
50	23.2	35	101.8	45	35.4	42	6	0.004

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

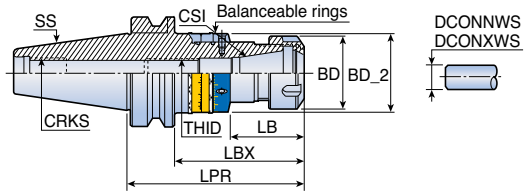
BT-ER-BIN

TBALANCE

Balanceable ER collet chucks



BT MAS-403 form AD DIN6499 T-BALANCE



Designation	Dimension (mm)										
	SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
BT40 ER 16x100 BIN	40	ER16	0.5	10.0	28	44	100	73	44.0	M16	M10
ER 16x150 BIN	40	ER16	0.5	10.0	28	44	150	123	78.7	M16	M10
ER 20x100 BIN	40	ER20	1.0	13.0	34	44	100	73	44.6	M16	M12
ER 20x150 BIN	40	ER20	1.0	13.0	34	44	150	123	79.6	M16	M12
ER 25x100 BIN	40	ER25	1.0	16.0	42	44	100	73	43.0	M16	M16
ER 25x150 BIN	40	ER25	1.0	16.0	42	44	150	123	79.0	M16	M16
ER 32x100 BIN	40	ER32	2.0	20.0	50	60	100	73	44.0	M16	M22x1.5
ER 32x150 BIN	40	ER32	2.0	20.0	50	60	150	123	94.0	M16	M22x1.5
ER 40x100 BIN	40	ER40	3.0	26.0	63	60	100	73	44.0	M16	M28x1.5

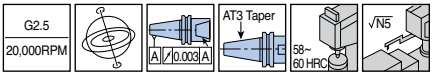
G139-G149 G166-G167 G167-G169 G170 G173 G187

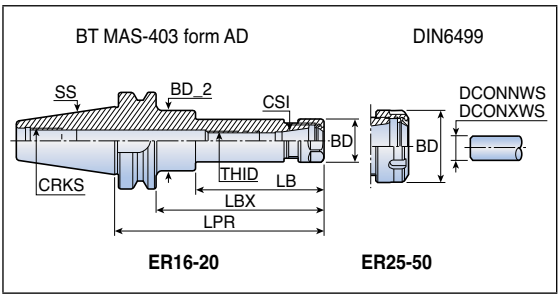
• (1) Preset balanced value

ADVANCE MACHINING
TaeguTec Industry 4.0

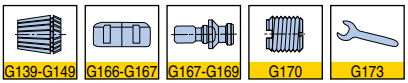
BT-ER

ER collet chucks





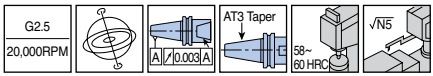
Designation		Dimension (mm)										
		SS	CSI	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	CRKS	THID
BT30	**ER 16x70(1)**	30	ER16	0.5	10.0	28	-	70	48	-	M12	M10
	ER 16x100(1)	30	ER16	0.5	10.0	28	-	100	73	-	M12	M10
	ER 20x70(1)	30	ER20	1.0	13.0	34	-	70	48	-	M12	M12
	ER 25x60(1)	30	ER25	1.0	16.0	42	-	60	38	-	M12	M16
	ER 32x60(1)	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	M12
	ER 16x100	40	ER16	0.5	10.0	28	-	100	73	-	M16	M12
	ER 16x150(1)	40	ER16	0.5	10.0	28	40	150	123	85	M16	M12
	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(1)	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(1)	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(1)	40	ER32	2.0	20.0	50	-	150	123	-	M16	M22x1.5
	ER 32x200(1)	40	ER32	2.0	20.0	50	-	200	162	-	M17	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(1)	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(1)**	50	ER16	0.5	10.0	28	-	100	62	-	M24	M12
	ER 16x125(1)	50	ER16	0.5	10.0	28	-	125	87	-	M24	M12
	ER 16x150(1)	50	ER16	0.5	10.0	28	-	150	112	-	M24	M12
	ER 16x200(1)	50	ER16	0.5	10.0	28	40	200	162	85	M24	M10
	ER 20x100(1)	50	ER20	1.0	10.0	34	-	100	62	-	M24	M12
	ER 20x125(1)	50	ER20	1.0	13.0	34	-	125	87	-	M24	M12
	ER 20x150(1)	50	ER20	1.0	13.0	34	-	150	112	-	M24	M12
	ER 20x200(1)	50	ER20	1.0	13.0	34	50	200	162	85	M24	M12

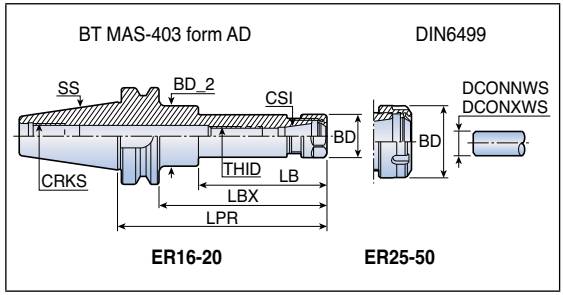


- Add B for coolant through flange
- (1) Balance to G6.3 at 12,000RPM

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

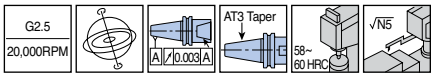
G139-G149 G166-G167 G167-G169 G170 G173

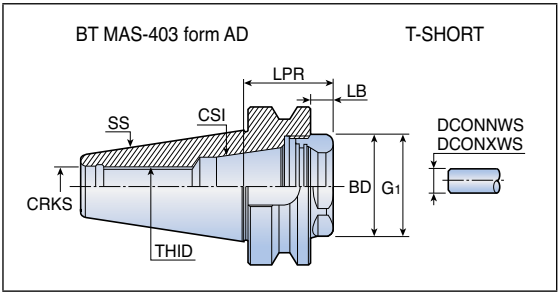
- Add B for coolant through flange
- (1) Balance to G6.3 at 12,000RPM

BT-ER-SHORT

TSHORT

Short ER collet chucks





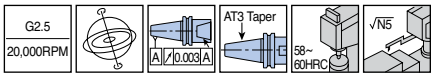
Designation	Dimension (mm)									
	SS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	CRKS	G1	THID
BT30 ER 20 SHORT	30	ER20	1.0	13.0	25	27.2	5.2	M12	M25x1.5	M12
BT40 ER 32 SHORT	40	ER32	2.0	20.0	40	36.5	9.5	M16	M40x1.5	M16
ER 40 SHORT	40	ER40	3.0	26.0	50	46.5	9.5	M16	M50x1.5	M16
BT50 ER 32 SHORT	50	ER32	2.0	20.0	40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

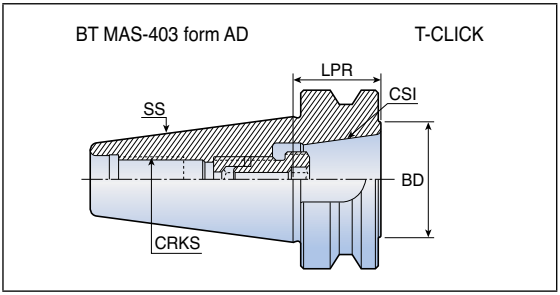
• Add B for coolant through flange

BT-ER-CLICK-IN

TCLICK

Quick change connection adapters





Designation	Dimension (mm)				
	SS	CSI	BD	LPR	CRKS
BT40 ER32 CLICK-IN	40	32 SRF	41	28	M16
BT50 ER32 CLICK-IN	50	32 SRF	41	29	M24

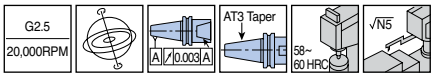
G139-G149 G157-G163 G166-G167 G167-G169 G170 G173 G186

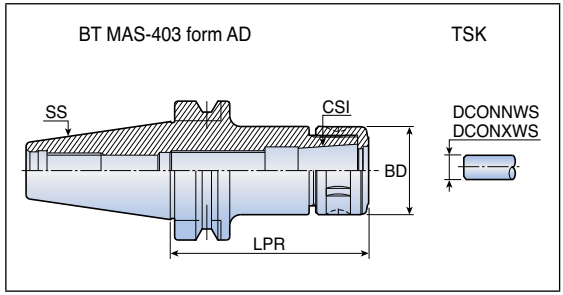
• Tightening torque: 24kg × m

TaeguTec

BT-TSK

TSK collet chucks





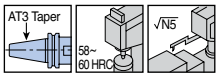
Designation	Dimension (mm)					
	SS	CSI	DCONNWS	DCONXWS	BD	LPR
BT30 TSK 6-90(1)	30	TSK6	1.0	6.0	19.5	90
TSK 10-90(1)	30	TSK10	2.0	10.0	27.5	90
BT40 TSK 6-90	40	TSK6	1.0	6.0	19.5	90
TSK 6-120	40	TSK6	1.0	6.0	19.5	120
TSK 10-90	40	TSK10	2.0	10.0	27.5	90
TSK 10-120	40	TSK10	2.0	10.0	27.5	120
TSK 16-90	40	TSK16	3.0	16.0	40.0	90
TSK 16-120	40	TSK16	3.0	16.0	40.0	120
TSK 25-90	40	TSK25	8.0	25.4	55.0	90
TSK 25-120	40	TSK25	8.0	25.4	55.0	120
BT50 TSK 6-120(1)	50	TSK6	1.0	6.0	19.5	120
TSK 6-165(1)	50	TSK6	1.0	6.0	19.5	165
TSK 6-195(1)	50	TSK6	1.0	6.0	19.5	195
TSK 10-120(1)	50	TSK10	2.0	10.0	27.5	120
TSK 10-165(1)	50	TSK10	2.0	10.0	27.5	165
TSK 10-195(1)	50	TSK10	2.0	10.0	27.5	195
TSK 16-120(1)	50	TSK16	3.0	16.0	40.0	120
TSK 16-165(1)	50	TSK16	3.0	16.0	40.0	165
TSK 16-195(1)	50	TSK16	3.0	16.0	40.0	195
TSK 25-120(1)	50	TSK25	8.0	25.4	55.0	120
TSK 25-165(1)	50	TSK25	8.0	25.4	55.0	165
TSK 25-195(1)	50	TSK25	8.0	25.4	55.0	195

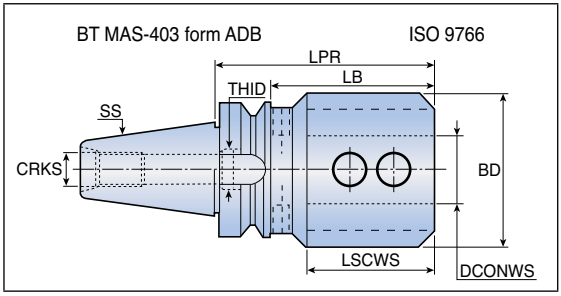
G150-G152 G166-G167 G167-G169 G174 G182

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

FITBORE BT-EM ADB

Adjustable rotary toolholders



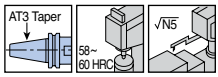


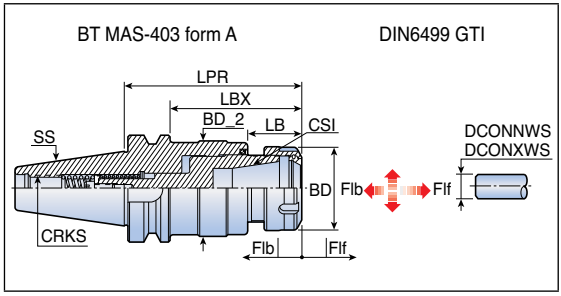
Designation		Dimension (mm)							
		SS	DCONWS	BD	LPR	LB	LSCWS	CRKS	THID
FITBORE BT40	**EM16 ADB**	40	16	72	123.5	96.5	71	M16	M10
	EM20 ADB	40	20	72	123.5	96.5	71	M16	M10
	EM25 ADB	40	25	72	123.5	96.5	71	M16	M10
	EM32 ADB	40	32	72	123.5	96.5	71	M16	M10
	EM40 ADB	40	40	72	123.5	96.5	71	M16	M10
FITBORE BT50	**EM20 ADB**	50	20	72	134.5	96.5	71	M24	M10
	EM25 ADB	50	25	72	134.5	96.5	71	M24	M10
	EM32 ADB	50	32	72	134.5	96.5	71	M24	M10
	EM40 ADB	50	40	72	134.5	96.5	71	M24	M10

• Add B for coolant through flange

GTI BT-ER

GTI tap attachments



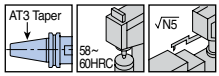


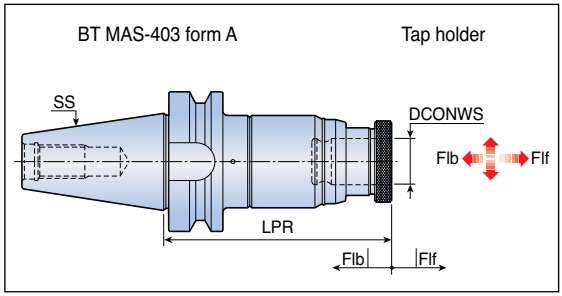
Designation		Dimension (mm)													
		SS	CSI	Tapmin	Tapmax	DCONNWS	DCONXWS	BD	BD_2	LPR	LBX	LB	Flf	Flb	CRKS
GTI BT40	**ER16**	40	ER16	M3	M10	0.5	10.0	28	29.5	84.2	52.7	24.6	8	3	M16
	ER32	40	ER32	M6	M20	2.0	20.0	50	56.5	106.8	79.8	33.0	9	4	M16
	ER40	40	ER40	M6	M28	3.0	26.0	63	56.5	124.8	97.8	51.0	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
BT30 TC 12-105	30	M3	M12	19	105	6.5	12	TA1
BT40 TC 12-95	40	M3	M12	19	95	6.5	12	TA1
TC 12-110	40	M3	M12	19	110	6.5	12	TA1
TC 22-127	40	M6	M24	31	127	14.5	13	TA2
BT50 TC 12-125	50	M6	M12	19	125	6.5	12	TA1
TC 22-142	50	M6	M24	31	142	14.5	13	TA2
TC 38-195	50	M18	M38	48	195	20.0	20	TA3


G139-G149

G164

G166-G167

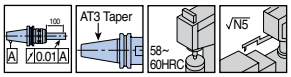
G167-G169

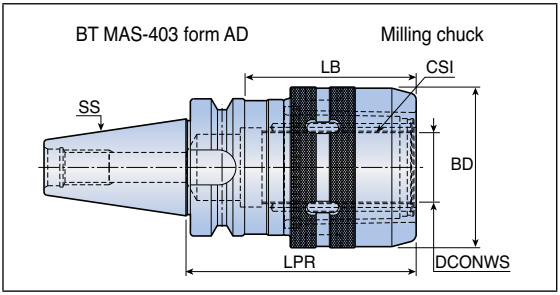
G173


G191

BT-TMC

Milling chucks





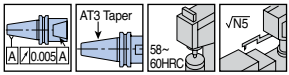
Designation		Dimension (mm)					
		SS	CSI	DCONWS	BD	LPR	LB
BT30	**TMC 20-75**	30	20	20	54.0	75	53
	TMC 25-80	30	25	25	62.5	80	58
BT40	**TMC 20-80**	40	20	20	54.0	80	53
	TMC 20-105	40	20	20	54.0	105	78
	TMC 25-90	40	25	25	62.5	90	63
	TMC 25-105	40	25	25	62.5	105	78
	TMC 32-90	40	32	32	74.0	90	63
	TMC 32-105	40	32	32	74.0	105	78
	TMC 32-135	40	32	32	74.0	135	108
BT50	**TMC 20-105**	50	20	20	54.0	105	67
	TMC 20-135	50	20	20	54.0	135	97
	TMC 20-165	50	20	20	54.0	165	127
	TMC 25-105	50	25	25	62.5	105	67
	TMC 25-135	50	25	25	62.5	135	97
	TMC 25-165	50	25	25	62.5	165	127
	TMC 32-105	50	32	32	74.0	105	67
	TMC 32-115	50	32	32	74.0	115	77
	TMC 32-135	50	32	32	74.0	135	97
	TMC 32-165	50	32	32	74.0	165	127
	TMC 42-115	50	42	42	92.0	115	77
	TMC 42-135	50	42	42	92.0	135	97
	TMC 42-165	50	42	42	92.0	165	127

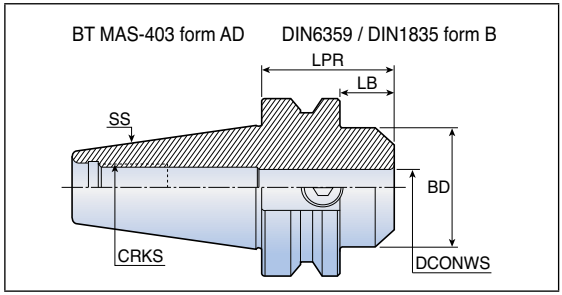
G155-G156 G167-G169 G173 G184

• Spanner not included

BT-EM

Short end mill holders



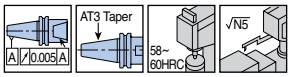


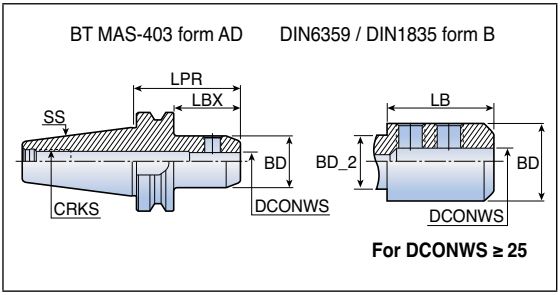
Designation	Dimension (mm)					
	SS	DCONWS	BD	LPR	LB	CRKS
BT40 EM 10x45	40	10	35	45	18	M16
EM 12x45	40	12	42	45	18	M16
EM 14x45	40	14	44	45	18	M16
EM 16x45	40	16	48	45	18	M16
EM 18x45	40	18	50	45	18	M16
EM 20x45	40	20	52	45	18	M16
EM 25x45	40	25	63	45	-	M16

• Add B for coolant through flange

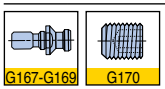
BT-EM

End mill holders





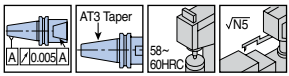
Designation	Dimension (mm)							
	SS	DCONWS	BD	BD_2	LPR	LBX	LB	CRKS
BT30 EM 6x50	30	6	25	-	50	28	-	M12
EM 8x60	30	8	28	-	60	38	-	M12
EM 10x60	30	10	35	-	60	38	-	M12
EM 12x60	30	12	42	-	60	38	-	M12
EM 14x60	30	14	44	-	60	38	-	M12
EM 16x60	30	16	46	-	60	38	-	M12
EM 18x60	30	18	50	-	60	38	-	M12
EM 20x80	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 18x65	40	18	50	-	65	38	-	M16
EM 20x75	40	20	52	-	75	48	-	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

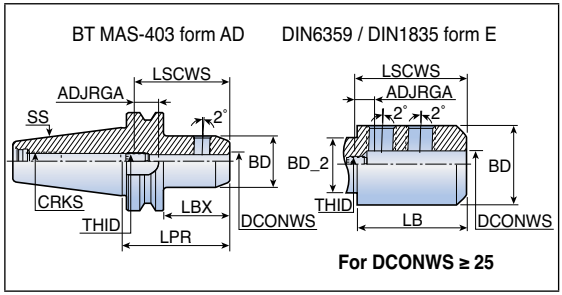


- Add B for coolant through flange

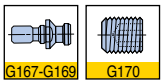
BT-EM-E

End mill holders - Whistle notch





Designation		Dimension (mm)											
		SS	DCONWS	BD	BD_2	LPR	LBX	LB	ADJRGA	LSCWS	CRKS	THID	Hex key
BT40	**EM 6x50E**	40	6	25	-	50	23	-	10	45	M16	M5	2.5
	EM 10x65E	40	10	35	-	65	38	-	10	49	M16	M8	4.0
	EM 12x65E	40	12	42	-	65	38	-	10	54	M16	M10	5.0
	EM 14x65E	40	14	44	-	65	38	-	10	54	M16	M10	5.0
	EM 16x65E	40	16	48	-	65	38	-	10	57	M16	M12	6.0
	EM 18x65E	40	18	50	-	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 6x70E**	50	6	25	-	70	32	-	10	45	M24	M5	2.5
	EM 10x70E	50	10	35	-	70	32	-	10	49	M24	M8	4.0
	EM 12x100E	50	12	42	-	100	62	-	10	54	M24	M10	5.0
	EM 14x100E	50	14	44	-	100	62	-	10	54	M24	M10	5.0
	EM 16x100E	50	16	48	-	100	62	-	10	57	M24	M12	6.0
	EM 18x100E	50	18	50	-	100	62	-	10	57	M24	M12	6.0
	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

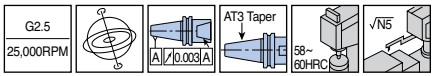


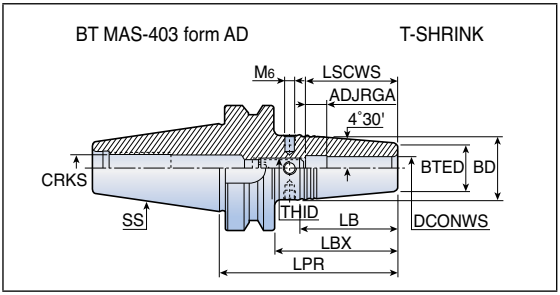
• Add B for coolant through flange

BT-SRKIN

T-SHRINK

Thermal shrinking chucks





	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	26	100	62	32.0	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

G167-G169 G171 G177 G190

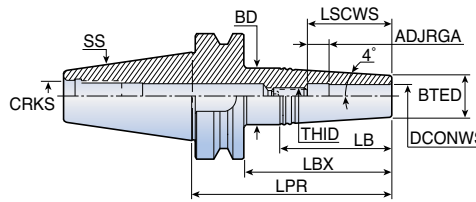
• (1) Balance to G2.5 at 20,000RPM

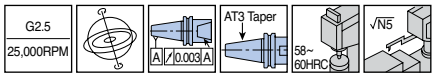
TaeguTec

BT-SRK

T-SHRINK

Thermal shrinking chucks





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


G167-G169


G177

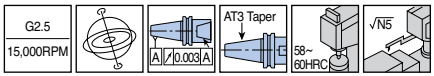

G178

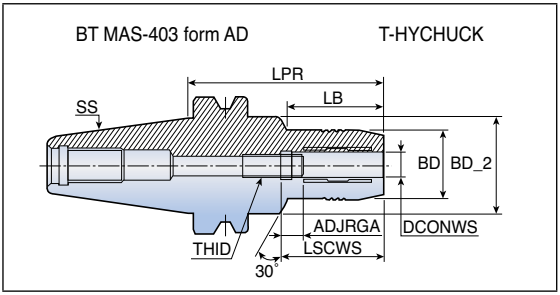
G190

BT-THC

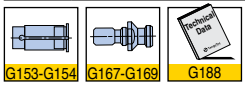
THYCHUCK

Hydraulic chucks





Designation		Dimension (mm)								
		SS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID
BT30	**THC 6-70(1)**	30	6	28	45	70	28.0	10	37.5	M5
	THC 8-70(1)	30	8	30	45	70	28.0	10	37.5	M6
	THC 10-75(1)	30	10	32	45	75	38.0	10	42.5	M8x1
	THC 12-85(1)	30	12	34	45	85	44.0	10	47.5	M10x1
	THC 14-85(1)	30	14	36	45	85	44.0	10	47.5	M10x1
	THC 16-90(1)	30	16	38	45	90	46.0	10	52.5	M10x1
	THC 20-85(1)	30	20	43	63	85	38.0	10	52.5	M10x1
	THC 20-90(1)	30	20	43	-	90	68.0	10	52.5	M10x1
BT40	**THC 6-65**	40	6	28	50	65	23.0	10	37.5	M5
	THC 6-95	40	6	28	50	65	43.0	10	37.5	M5
	THC 8-95	40	8	30	50	95	44.0	10	37.5	M6
	THC 10-95	40	10	32	50	95	44.0	10	42.5	M8x1
	THC 12-95	40	12	34	50	95	44.0	10	47.5	M10x1
	THC 14-95	40	14	36	50	95	44.0	10	47.5	M10x1
	THC 16-95	40	16	38	50	95	46.0	10	52.5	M10x1
	THC 16-140	40	16	38	50	140	47.5	10	52.5	M10x1
	THC 20-95	40	20	43	50	95	48.0	10	52.5	M10x1
	THC 25-100	40	25	57	-	100	73.0	10	61.0	M16x1
	THC 25-135	40	25	57	-	135	108.0	10	61.0	M16x1
	THC 32-105	40	32	63	-	105	78.0	10	61.0	M16x1



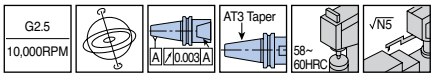
G153-G154 G167-G169 G188

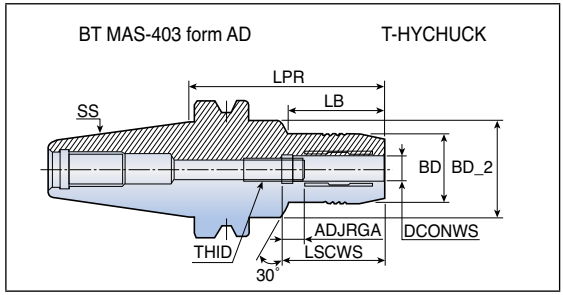
• (1) Balance to G2.5 at 20,000RPM

BT-THC

THYCHUCK

Hydraulic chucks





Designation		Dimension (mm)								
		SS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID
BT50	**THC 6-90**	50	6	28	50	90	32	10	37.5	M5
	THC 6-120	50	6	28	50	120	38	10	37.5	M5
	THC 10-90	50	10	32	50	90	32	10	42.5	M8x1
	THC 10-120	50	10	32	50	120	42	10	42.5	M8x1
	THC 12-90	50	12	34	50	90	32	10	47.5	M8x1
	THC 12-120	50	12	34	50	120	44	10	47.5	M8x1
	THC 14-90	50	14	36	50	90	32	10	47.5	M10x1
	THC 16-90	50	16	38	50	90	32	10	52.5	M10x1
	THC 20-90	50	20	43	50	90	32	10	52.5	M10x1
	THC 20-120	50	20	43	50	120	48	10	52.5	M10x1
	THC 20-140	50	20	43	50	140	48	10	52.5	M10x1
	THC 25-105	50	25	57	-	105	67	10	61.0	M16x1
	THC 25-150	50	25	57	-	150	112	10	61.0	M16x1
	THC 32-90	50	32	63	-	90	52	10	65.0	M16x1
	THC 32-115	50	32	63	-	115	77	10	65.0	M16x1
	THC 32-135	50	32	63	-	135	97	10	65.0	M16x1
	THC 32-150	50	32	63	-	150	112	10	65.0	M16x1


G153-G154

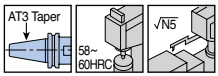

G167-G169

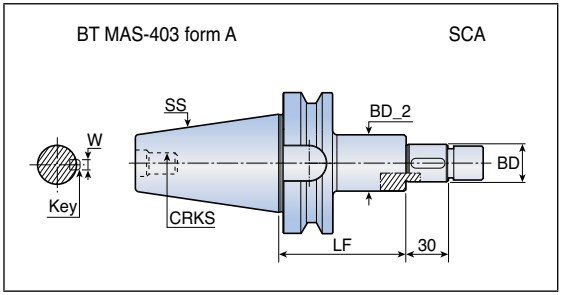
G188

ADVANCE MACHINING
TaeguTec Industry 4.0

BT-SCA

Slotting cutter arbors





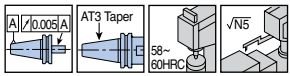
Designation	Dimension (mm)					
	SS	BD	BD_2	LF	W	CRKS
BT40 - SCA-22(22.225)-75	40	22(22.225)	34	75	6(3.18)	M16
SCA-22-120	40	22	34	120	6(3.18)	M16
SCA-27(25.4)-75	40	27(25.4)	40	75	7(6.35)	M16
SCA-27-120	40	27	40	120	7(6.35)	M16
SCA-32(31.75)-90	40	32(31.75)	46	90	8(7.92)	M16
SCA-22(22.225)-90	40	22(22.225)	34	90	6(3.18)	M24
BT50 - SCA-22-135	50	22	34	135	6(3.18)	M24
SCA-27(25.4)-90	50	27(25.4)	40	90	7(6.35)	M24
SCA-27-135	50	27	40	135	7(6.35)	M24
SCA-32(31.75)-90	50	32(31.75)	46	90	8(7.92)	M24
SCA-40(38.1)-90	50	40(38.1)	55	90	10(9.52)	M24
SCA-50-90	50	50	68	90	12	M24

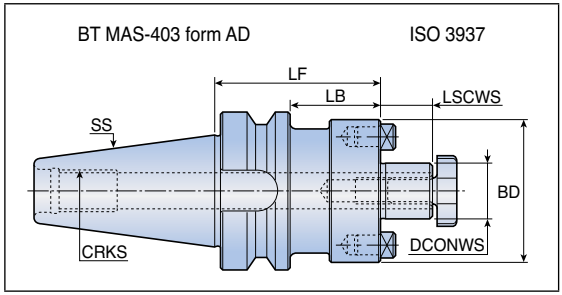
G167-G169

• 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


G167-G169

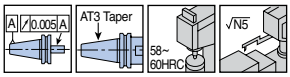
G170

G171

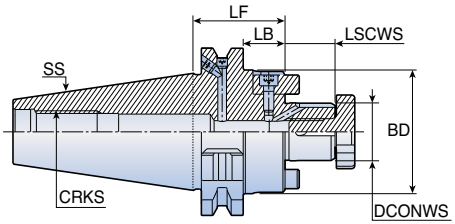
• Wrench not included

BT-SEM-C

Face mill arbors with internal coolant hole



BT MAS-403 form ADB ISO 3937

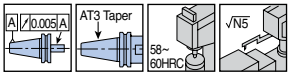


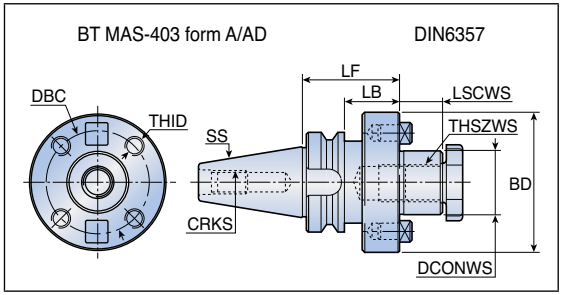
Designation	Dimension (mm)						
	SS	DCONWS	BD	LF	LB	LSCWS	CRKS
BT40SEM 16x60C	40	16	38	60	33	17	M16
SEM 16x100C	40	16	38	100	73	17	M16
SEM 22x60C	40	22	47	60	33	19	M16
SEM 22x100C	40	22	47	100	73	19	M16
SEM 27x45C	40	27	58	45	18	21	M16
SEM 27x100C	40	27	58	100	73	21	M16
SEM 32x60C	40	32	66	60	33	24	M16
BT50SEM 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
BT50SEM 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-FM

Face mill arbors



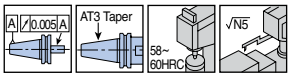


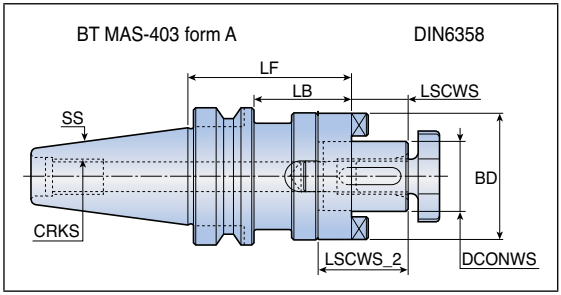
Designation	Dimension (mm)									
	SS	DCONWS	BD	DBC	LF	LB	LSCWS	CRKS	THID	THSZWS
BT40 FM 40(1)	40	40	88	66.7	60	22	27	M16	M12	M20
BT50 FM 40(1)	50	40	88	66.7	50	12	27	M24	M12	M20
FM 60(2)	50	60	128	101.6	88	40	38	M24	M16	-

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

BT-SEMC

Combi shell end mill arbors



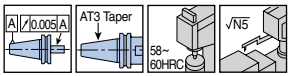


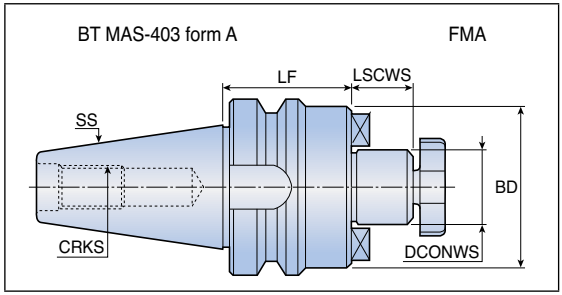
Designation	Dimension (mm)							
	SS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2	CRKS
BT40 SEMC 16x50	40	16	32	50	23	17	27	M16
SEMC 16x100	40	16	32	100	73	17	27	M16
SEMC 22x53	40	22	40	53	26	19	31	M16
SEMC 22x100	40	22	40	100	73	19	31	M16
SEMC 27x55	40	27	48	55	28	21	33	M16
SEMC 27x100	40	27	48	100	73	21	33	M16
SEMC 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





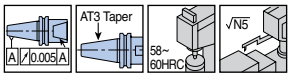
Designation	Dimension (mm)						
	SS	DCONWS	BD	LF	LSCWS	CRKS	Mounting screw
BT30 FMA 25.4-45L	30	25.400	50.00	45	22	M12	MBA M12
BT40 FMA 25.4-45L	40	25.400	50.00	45	22	M16	MBA M12
FMA 25.4-90L	40	25.400	50.00	90	22	M16	MBA M12
FMA 31.75-45L	40	31.750	60.00	45	30	M16	MBA M16
FMA 31.75-75L	40	31.750	60.00	75	30	M16	MBA M16
FMA 38.1-60L	40	38.100	78.00	60	34	M16	MBA M20
BT50 FMA 25.4-45L	50	25.400	50.00	45	22	M24	MBA M12
FMA 25.4-90L	50	25.400	50.00	90	22	M24	MBA M12
FMA 25.4-150L	50	25.400	50.00	150	22	M24	MBA M12
FMA 31.75-45L	50	31.750	60.00	45	30	M24	MBA M16
FMA 31.75-75L	50	31.750	60.00	75	30	M24	MBA M16
FMA 31.75-105L	50	31.750	60.00	105	30	M24	MBA M16
FMA 38.1-45L	50	38.100	80.00	45	34	M24	MBA M20
FMA 38.1-75L	50	38.100	80.00	75	34	M24	MBA M20
FMA 50.8-45L	50	50.800	98.00	45	36	M24	MBA M24
FMA 50.8-75L	50	50.800	98.00	75	36	M24	MBA M24
FMA 47.625-75L	50	47.625	128.57	75	38	M24	SH M16x2x40

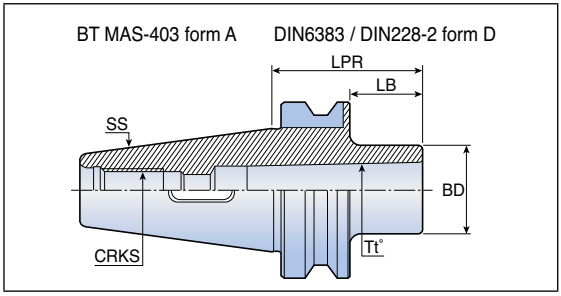

G167-G169


G171

BT-MT

Morse taper adapters



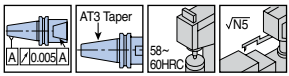


Designation		Dimension (mm)					
		SS	Tt°	BD	LPR	LB	CRKS
BT30	**MT 1x45**	30	MT1	25	45	23	M12
	MT 2x60	30	MT2	32	60	38	M12
BT40	**MT 1x45**	40	MT1	25	45	25	M16
	MT 1x120	40	MT1	25	120	25	M16
	MT 2x60	40	MT2	32	60	32	M16
	MT 2x120	40	MT2	32	120	32	M16
	MT 3x75	40	MT3	40	75	40	M16
	MT 3x139	40	MT3	40	139	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

G167-G169

BT-MT-DRW

Morse taper adapters



BT MAS-403 form A DIN6364 / DIN228-2 form B

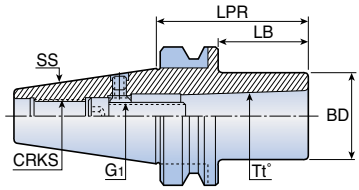


Fig.1

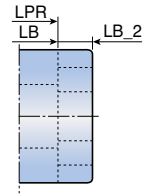


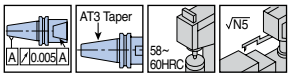
Fig.2

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

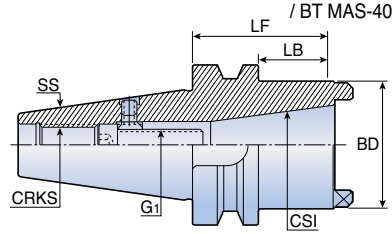
• (1) DIN2201

BT-AD

Adapters



BT MAS-403 form A DIN2080 / DIN69871/A / BT MAS-403

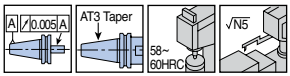


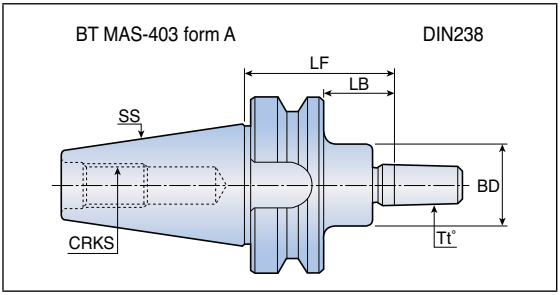
Designation		Dimension (mm)						
		SS	CSI	BD	LF	LB	CRKS	G1
BT50	**AD 40**	50	DIN 2080	63	75	32	M24	M16
	AD BT/SK 40	50	DIN 69871/A, BT MAS	66	75	37	M24	M16

G167-G169

BT-DC

Drill chuck arbors





Designation		Dimension (mm)					
		SS	Tt°	BD	LF	LB	CRKS
BT30	**DC B12x30**	30	B12	-	30	8.0	M12
	DC B16x30	30	B16	-	30	8.0	M12
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
	DC B18x45	40	B18	30	45	18.0	M16
	DC B18x90	40	B18	30	90	63.0	M16
BT50	**DC B12x45**	50	B12	-	45	6.7	M24
	DC B12x105	50	B12	24	105	67.0	M24
	DC B16x45	50	B16	-	45	7.0	M24
	DC B16x105	50	B16	50	105	67.0	M24
	DC B18x45	50	B18	-	45	7.0	M24
	DC B18x105	50	B18	30	105	67.0	M24

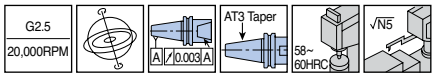
G167-G169

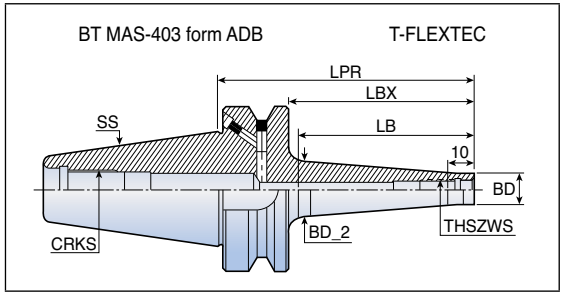
• Without drill chuck

BT-ODP

TFLEXTEC

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 8x106	40	M08	13.0	23.0	106	79	70	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 12x244(1)	50	M12	23.0	46.0	244	206	200	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

G167-G169

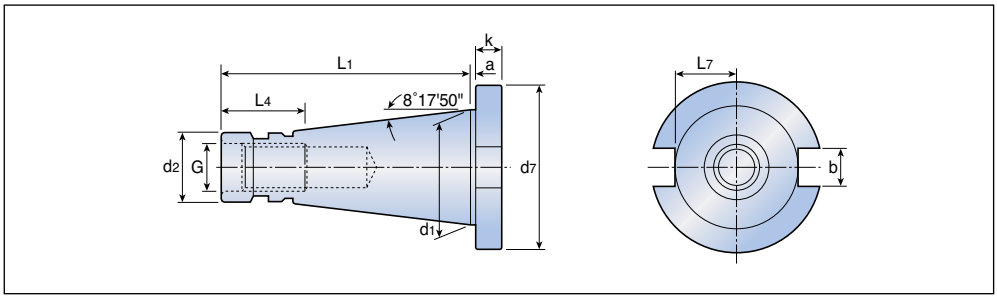
- If the “B type” option is required, the plug screw must be removed from the flange cooling hole (Use a 2mm hex key)
- (1) Balance to G6.3 at 12,000RPM

ADVANCE MACHINING
TaeguTec Industry 4.0

DIN2080

DIN2080

Standard toolholder

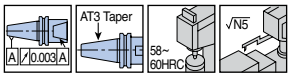


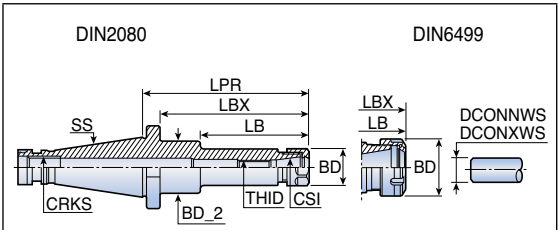
Shank	a ±0.2	b (H12)	d1	d2	G	d7	K ±0.15	L1	L4	L7max	Taper AT3
30	1.6	16.1	31.75	17.4	M12	50.0	8	68.4	24	16.2	0.002
40	1.6	16.1	44.45	25.3	M16	63.0	10	93.4	32	22.5	0.003
50	3.2	25.7	69.85	39.6	M24	97.5	12	126.8	47	35.3	0.004

* 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 16x75**	30	ER16	0.5	10.0	28	-	75	65.4	-	M12	M10
	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 20x63	40	ER20	1.0	13.0	34	-	63	51.4	-	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
	ER 50x80	40	ER50	10.0	34.0	78	-	80	68.4	-	M24	M22x1.5
DIN2080 50	**ER 16x100**	50	ER16	0.5	10.0	28	-	100	84.8	-	M24	M12
	ER 16x160	50	ER16	0.5	10.0	28	40	160	144.8	95	M24	M12
	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


G139-G149

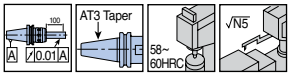
G166-G167

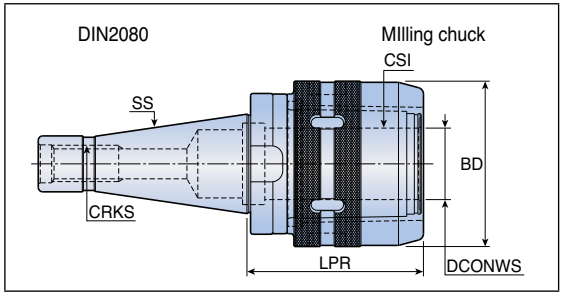
G170

G173

DIN2080-TMC

Milling chucks



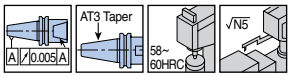


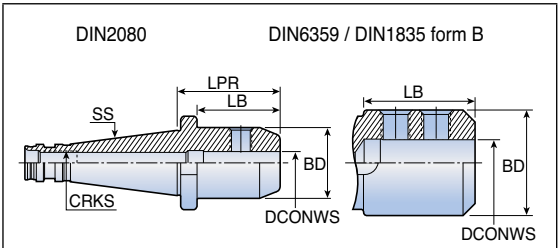
Designation	Dimension (mm)					
	SS	CSI	DCONWS	BD	LPR	CRKS
DIN2080 30 TMC 20-67	30	20	20	54	67	M12
DIN2080 40 TMC 25-78	40	25	25	74	78	M16
TMC 32-78	40	32	32	74	78	M16
DIN2080 50 TMC 32-85	50	32	32	74	85	M24
TMC 42-102	50	42	42	92	102	M24

G155-G156 G173 G184

DIN2080-EM

End mill holders

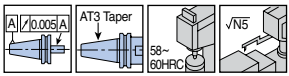


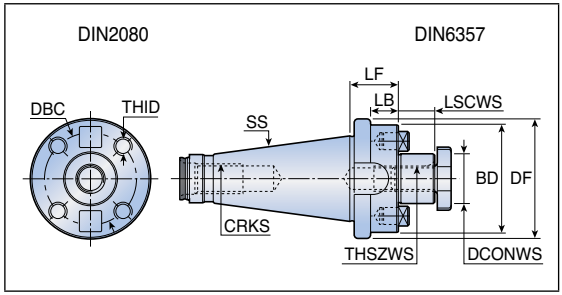


Designation		Dimension (mm)					
		SS	DCONWS	BD	LPR	LB	CRKS
DIN2080 30	**EM 6x40**	30	6	25	40	30.4	M12
	EM 8x40	30	8	28	40	30.4	M12
	EM 10x40	30	10	35	40	30.4	M12
	EM 16x50	30	16	48	50	40.4	M12
	EM 20x63	30	20	52	63	53.4	M12
DIN2080 40	**EM 6x50**	40	6	25	50	38.4	M16
	EM 8x50	40	8	28	50	38.4	M16
	EM 10x50	40	10	35	50	38.4	M16
	EM 12x50	40	12	42	50	38.4	M16
	EM 16x63	40	16	48	63	51.4	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 6x63**	50	6	25	63	47.8	M24
	EM 8x63	50	8	28	63	47.8	M24
	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 20x63	50	20	52	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



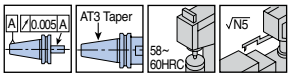


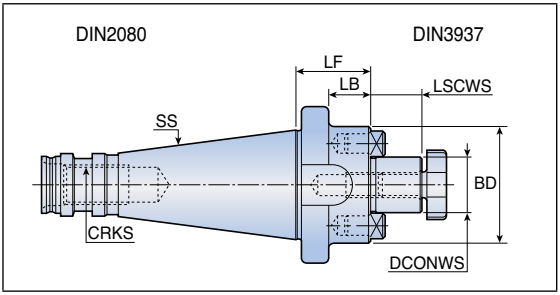
Designation	Dimension (mm)										
	SS	DCONWS	DF	BD	DBC	LF	LB	LSCWS	CRKS	THSZWS	THID
DIN2080 40 FM40	40	40	88.0	-	66.7	20.0	-	27	M16	M20	M12
DIN2080 50 FM40	50	40	97.3	88	66.7	36.0	20.8	27	M24	M20	M12
FM60	50	60	128.0	-	101.6	35.8	-	40	M24	-	M16

• Wrench not included

DIN2080-SEM

Shell end mill arbors



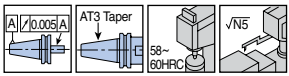


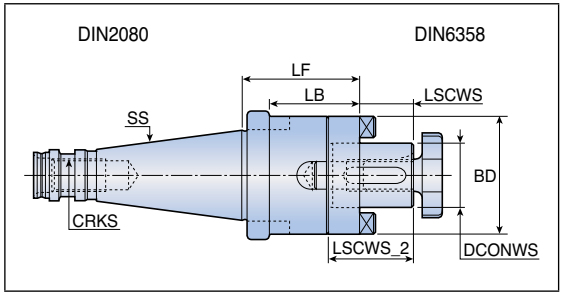
Designation	Dimension (mm)						
	SS	DCONWS	BD	LF	LB	LSCWS	CRKS
DIN2080 30 SEM 16x28	30	16	38	28	18.4	17	M12
SEM 22x28	30	22	47	28	18.4	19	M12
SEM 27x32	30	27	58	32	22.4	21	M12
SEM 32x32	30	32	66	32	22.4	24	M12
DIN2080 40 SEM 16x28	40	16	38	28	16.4	17	M16
SEM 22x27	40	22	47	27	15.4	19	M16
SEM 27x26	40	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



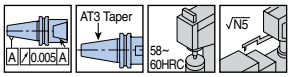


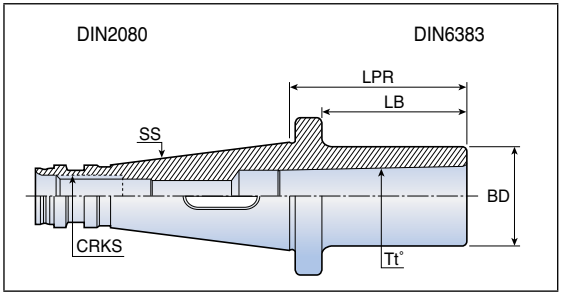
Designation		Dimension (mm)							
		SS	DCONWS	BD	LF	LB	LSCWS	LSCWS_2	CRKS
DIN2080 30	**SEMC 16x35**	30	16	32	35	25.4	17	27	M12
	SEMC 22x35	30	22	40	35	25.4	19	31	M12
	SEMC 27x35	30	27	48	35	25.4	21	33	M12
	SEMC 32x50	30	32	58	50	40.4	24	38	M12
DIN2080 40	**SEMC 22x52**	40	22	40	52	40.4	19	31	M16
	SEMC 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 40x55	50	40	70	55	39.8	27	41	M24
	SEMC 50x55	50	50	90	55	39.8	30	46	M24

• Wrench not included

DIN2080-MT

Morse taper adapters

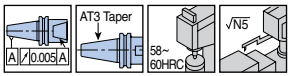




Designation		Dimension (mm)					
		SS	Tt°	BD	LPR	LB	CRKS
DIN2080 30	**MT 1x50**	30	MT1	25	50	40.4	M12
	MT 2x50	30	MT2	32	50	40.4	M12
	MT 3x70	30	MT3	40	50	60.4	M12
DIN2080 40	**MT 1x50**	40	MT1	25	50	38.4	M16
	MT 2x50	40	MT2	32	50	38.4	M16
	MT 3x65	40	MT3	40	65	53.4	M16
	MT 4x95	40	MT4	48	95	83.4	M16
DIN2080 50	**MT 1x45**	50	MT1	25	45	29.8	M24
	MT 2x60	50	MT2	32	60	44.8	M24
	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



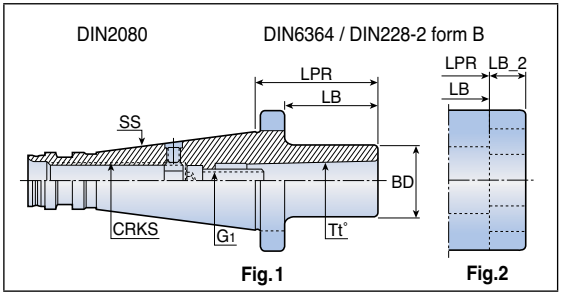


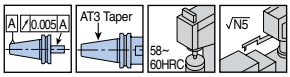
Fig.1 Fig.2

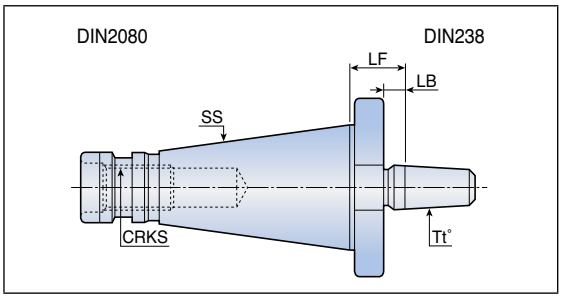
Designation	Dimension (mm)								Fig.
	SS	Tt°	BD	LPR	LB	LB_2	G1	CRKS	
DIN2080 40 MT1 DRW	40	MT1	25	50	38.4	-	M6	M16	1
MT2 DRW	40	MT2	32	50	38.4	-	M10	M16	1
MT3 DRW	40	MT3	40	65	53.4	-	M12	M16	1
MT4 DRW	40	MT4	63	110	-	15	M16	M16	2
DIN2080 50 MT1 DRW	50	MT1	25	60	44.8	-	M6	M24	1
MT2 DRW	50	MT2	32	60	44.8	-	M10	M24	1
MT3 DRW	50	MT3	40	65	49.8	-	M12	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

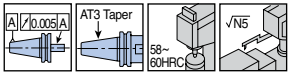


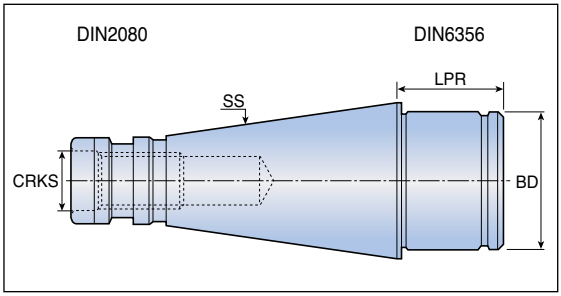


Designation	Dimension (mm)				
	SS	Tt°	LF	LB	CRKS
DIN2080 30 DC B16x20	30	B16	20	5.4	M12
DIN2080 40 DC B16x22	40	B16	22	10.4	M16
DC B18x25	40	B18	25	13.4	M16
DIN2080 50 DC B16x25	50	B16	25	9.8	M24
DC B18x25	50	B18	25	9.8	M24

DIN2080-CP

Centering plug



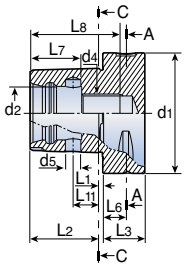


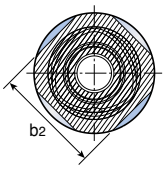
Designation	Dimension (mm)			
	SS	BD	LPR	CRKS
DIN2080 40 CP 40	40	40	29	M16
DIN2080 50 CP 60	50	60	39	M24

cADAPTER

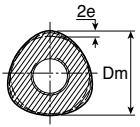
C-ADAPTER ISO 26623-1

Standard toolholder





A-A



C-C

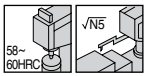
C-ADAPTER	b2	d1 ±0.1	d2	d4	d5 ±0.1	Dm	e
C3	28.3	32	15	M12x1.5	3.6	22	0.70
C4	35.3	40	18	M14x1.5	4.6	28	0.90
C5	44.4	50	21	M16x1.5	6.1	35	1.12
C6	55.8	63	28	M20x2	8.1	44	1.40
C8	71.1	80	32	M20x2	9.1	55	2.00

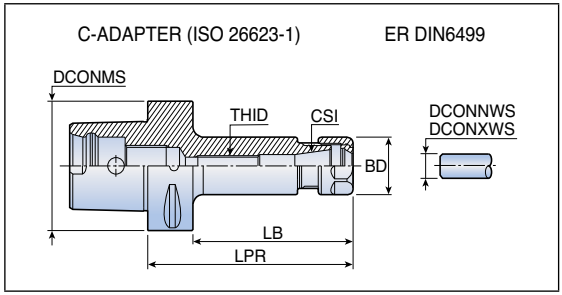
C-ADAPTER	L1	L2 ±0.1	L3min	L6 ±0.15	L7 ±0.15	L8min	L11 ±0.1
C3	2.5	19	15	6	13	25	8.0
C4	2.5	24	20	8	15	30	11.5
C5	3.0	30	20	10	20	37	14.0
C6	3.0	38	22	12	27	47	15.5
C8	3.0	48	30	12	28	48	25.0

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

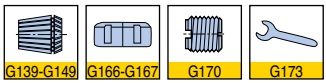
C-ER

ER collet chucks





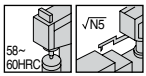
	Designation	Dimension (mm)							
		DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	THID
C4	ER 16x70	40	ER16	1.0	10.0	28	70	50	M10
	ER 20x35(1)	40	ER20	1.0	13.0	34	35	27	-
	ER 20x52	40	ER20	1.0	13.0	34	52	32	-
	ER 25x38(1)	40	ER25	1.0	16.0	42	38	30	-
	ER 25x52	40	ER25	1.0	16.0	42	52	32	-
	ER 32x54	40	ER32	2.0	20.0	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

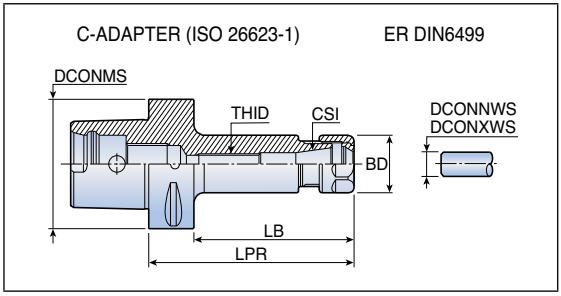


• (1) Without V grooves, for manual use only

C-ER

ER collet chucks

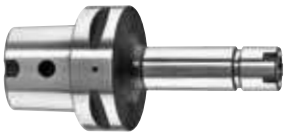


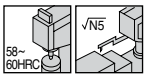


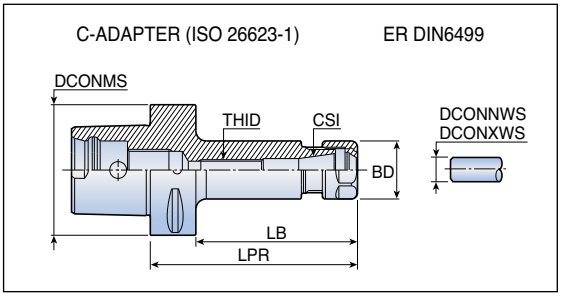
Designation	Dimension (mm)							
	DCONMS	CSI	DCONNWS	DCONXWS	BD	LPR	LB	THID
C8 ER 32x70	80	ER32	2.0	20.0	50	70	40	-
ER 32x100	80	ER32	2.0	20.0	50	100	70	M22x1.5
ER 32x160	80	ER32	2.0	20.0	50	160	130	M22x1.5
ER 40x70	80	ER40	3.0	26.0	63	70	40	-
ER 40x100	80	ER40	3.0	26.0	63	100	70	M28x1.5
ER 40x160	80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


G139-G149

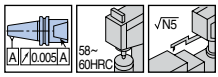

G166-G167

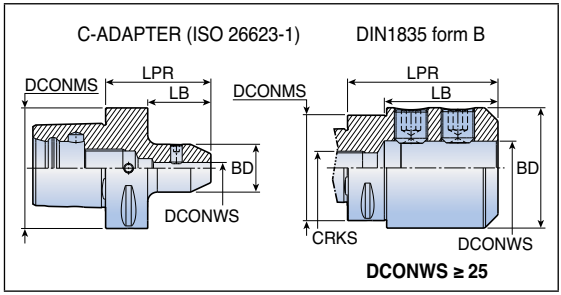

G170


G173

C-EM

End mill holders

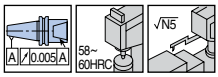


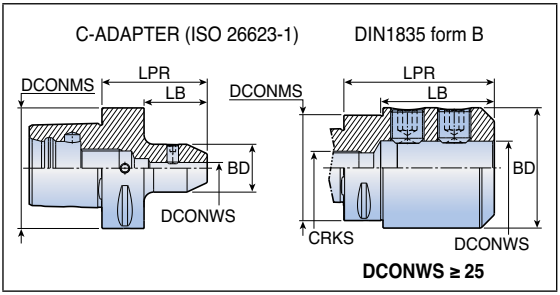


Designation		Dimension (mm)					
		DCONMS	DCONWS	BD	LPR	LB	CRKS
C4	**EM 6x50**	40	6	25	50	30	M14
	EM 8x50	40	8	28	50	30	M14
	EM 10x50	40	10	35	50	30	M14
	EM 12x55	40	12	42	55	35	M14
	EM 14x55	40	14	44	55	35	M14
	EM 16x60	40	16	48	60	40	M14
C5	**EM 6x50**	50	6	25	50	30	M16
	EM 8x50	50	8	28	50	30	M16
	EM 10x55	50	10	35	55	35	M16
	EM 12x60	50	12	42	60	40	M16
	EM 14x60	50	14	44	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



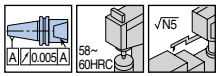


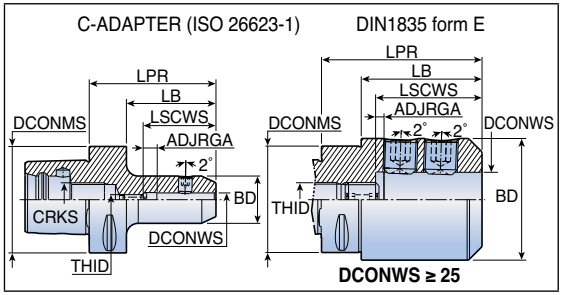
Designation	Dimension (mm)					
	DCONMS	DCONWS	BD	LPR	LB	CRKS
C8 EM 6x70	80	6	25	70	40	M20
EM 8x70	80	8	28	70	40	M20
EM 10x70	80	10	35	70	40	M20
EM 12x70	80	12	42	70	40	M20
EM 14x70	80	14	44	70	40	M20
EM 16x70	80	16	48	70	40	M20
EM 18x70	80	18	50	70	40	M20
EM 20x70	80	20	52	70	40	M20
EM 25x90	80	25	65	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

G170

C-EM-E

End mill holders - Whistle notch type

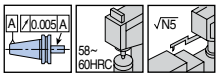


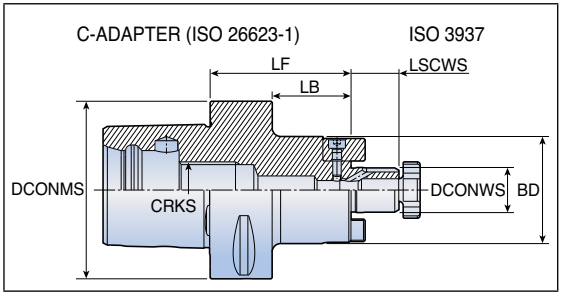


Designation		Dimension (mm)								
		DCONMS	DCONWS	BD	LPR	LB	ADJRGA	LSCWS	CRKS	THID
C4	**EM 6x70 E**	40	6	25	70	50	5	35	M14	M5
	EM 8x70 E	40	8	28	70	50	8	43	M14	M6
	EM 10x70 E	40	10	35	70	50	6	45	M14	M8
	EM 12x75 E	40	12	42	75	55	5	49	M14	M10
	EM 14x75 E	40	14	44	75	55	5	49	M14	M10
C5	**EM 6x70 E**	50	6	25	70	50	5	35	M16	M5
	EM 8x70 E	50	8	28	70	50	8	43	M16	M6
	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 18x85 E	63	18	50	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 6x65 E**	80	6	25	65	35	6	36	M20	M5
	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

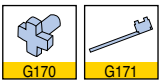
C-SEM-C

Face mill arbors



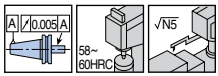


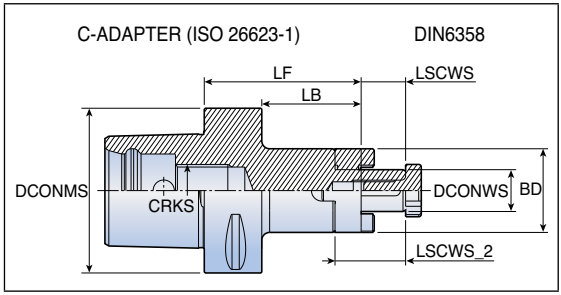
	Designation	Dimension (mm)						
		DCONMS	DCONWS	BD	LF	LB	LSCWS	CRKS
C4	**SEM 16x32 C**	40	16	38	32	12	17	M14
	SEM 16x55 C	40	16	38	55	35	17	M14
	SEM 22x40 C	40	22	47	40	20	19	M14
	SEM 22x55 C	40	22	47	55	35	19	M14
C5	**SEM 16x35 C**	50	16	38	35	15	17	M16
	SEM 16x70 C	50	16	38	70	50	17	M16
	SEM 22x35 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
	SEMC 27x50	40	27	48	50	30	21	33	M14
C5	**SEMC 16x55**	50	16	32	55	35	17	27	M16
	SEMC 16x85	50	16	32	85	65	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

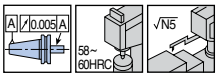

G170


G171

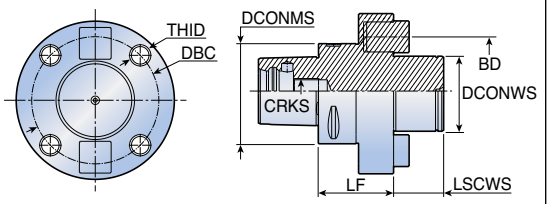

G172

C-FM

Face mill arbors



C-ADAPTER (ISO 26623-1) DIN6357



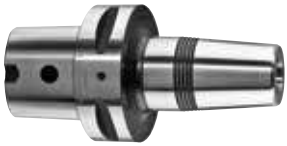
Designation	Dimension (mm)							
	DCONMS	DCONWS	BD	DBC	LF	LSCWS	CRKS	THID
C8 FM 60x60	80	60	128	101.6	20	40	M20	M16

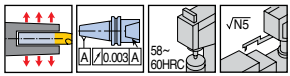
G170

C-SRKIN

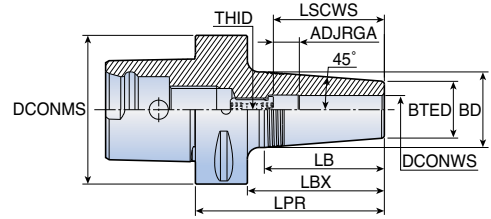
T-SHRINK

Thermal shrinking chucks





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

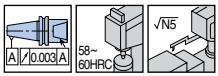


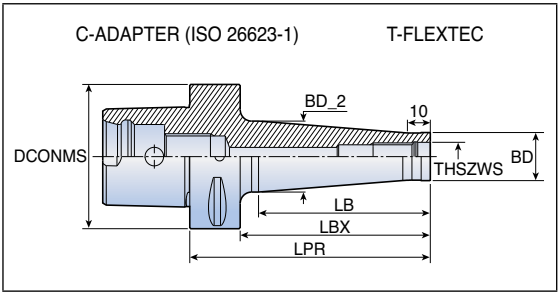
Designation	Dimension (mm)										
	DCONMS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Hex key
C4 SRKIN 6x75	40	6	21	27	75	55	38.1	11	36	M5	2.5
SRKIN 8x75	40	8	21	27	75	55	38.1	11	36	M6	3.0
SRKIN 10x75	40	10	24	32	75	55	50.8	11	42	M8	4.0
SRKIN 12x75	40	12	24	32	75	55	50.8	11	47	M10	5.0
SRKIN 14x80	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

G177 G190

C-ODP

T-FLEXTEC holders

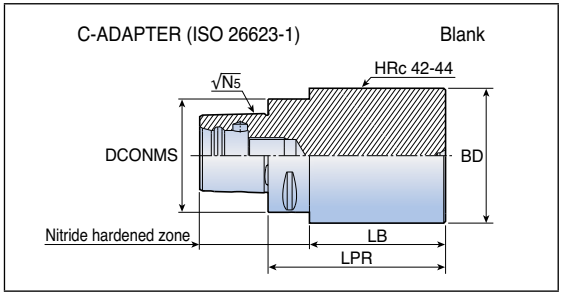




Designation	Dimension (mm)						
	DCONMS	THSZWS	BD	BD_2	LPR	LBX	LB
C4 ODP 10x53	40	M10	18	23.0	53	33	23
ODP 12x53	40	M12	21	26.0	53	33	23
ODP 16x53	40	M16	29	34.0	53	33	23
C5 ODP 10x53	50	M10	18	19.5	53	33	25
ODP 10x103	50	M10	18	28.0	103	83	75
ODP 12x53	50	M12	21	23.5	53	33	25
ODP 12x103	50	M12	21	31.0	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

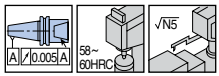


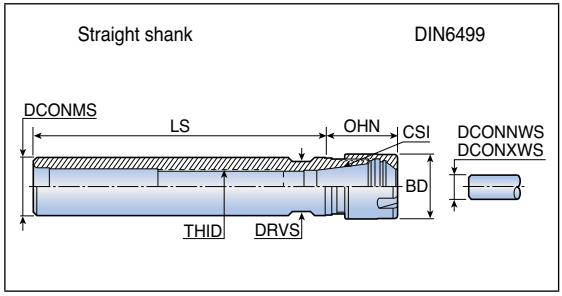
Designation		Dimension (mm)			
		DCONWS	BD	LPR	LB
C4	**B4340 040095**	40	40	95	75
	B4340 060165	40	60	165	144
	B4340 080075	40	80	75	54
	B4340 100085	40	100	85	64
C5	**B4340 050125**	50	50	125	105
	B4340 075175	50	75	175	154
	B4340 090080	50	90	80	59
	B4340 110090	50	110	90	69
C6	**B4340 075195**	63	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





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	21
20x150 ER20 M	20	ER20	1.0	13.0	28	40.0	150	M12	21


G139-G149

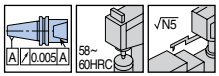

G166-G167


G170


G173

ST-ER-F

ER collet chucks



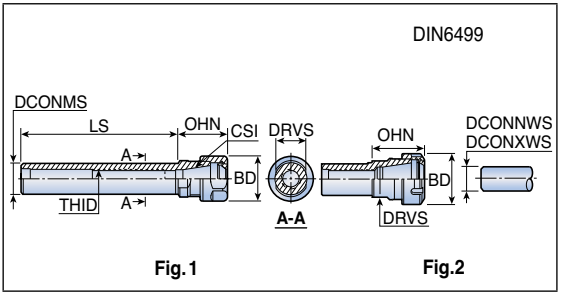


Fig.1 Fig.2

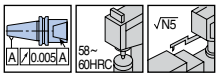
Designation	Dimension (mm)									Fig.
	DCONMS	CSI	DCONNWS	DCONXWS	BD	OHN	LS	THID	DRVS	
ST 16x50 ER11 F	16	ER11	0.5	7.0	19	18.5	50	M8	13	1
20x50 ER11 F	20	ER11	0.5	7.0	19	18.5	50	M10	17	1
20x100 ER11	20	ER11	0.5	7.0	19	18.5	100	M10	17	1
20x100 ER11 F	20	ER11	0.5	7.0	19	18.5	100	M10	17	1
20x150 ER11	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	28	2
20x100 ER25	20	ER25	1.0	16.0	42	46.0	100	M12	28	2
20x100 ER25 F	20	ER25	1.0	16.0	42	46.0	100	M12	28	2
25x50 ER25 F	25	ER25	1.0	16.0	42	46.0	50	M16	28	2
25x100 ER25	25	ER25	1.0	16.0	42	46.0	100	M16	28	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
20x100 ER32 F	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	45	2
30x50 ER40 F	32	ER40	3.0	26.0	63	60.0	50	M18x1.5	45	2
32x50 ER40 F	32	ER40	3.0	26.0	63	60.0	50	M18x1.5	45	2
40x75 ER40 F	40	ER40	3.0	26.0	63	55.0	75	M22x1.5	45	2
50x80 ER40 F	50	ER40	3.0	26.0	63	60.0	80	M28x1.5	54	2
50x80 ER50 F	50	ER50	10.0	34.0	78	77.0	80	M36x1.5	58	2

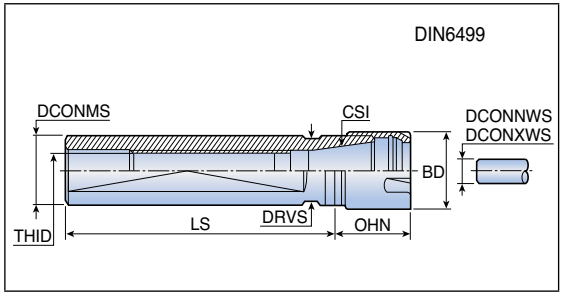
G139-G149 G166-G167 G170 G173

• F: Flat on the shank

ST-ER-MF

Straight shanks - Mini collet





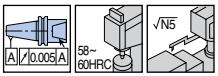
Designation	Dimension (mm)								
	DCONMS	CSI	DCONNWS	DCONXWS	BD	OHN	LS	THID	DRVS
ST 16x38 ER11 MF	16	ER11	0.5	7.0	16	18.5	38	M8x1	14
16x50 ER11 MF	16	ER11	0.5	7.0	16	18.5	50	M8x1	13
16x140 ER11 MF	16	ER11	0.5	7.0	16	18.5	140	M8x1	14
16x35 ER16 MF	16	ER16	0.5	10.0	22	36.0	35	M8x1	17
20x50 ER16 MF	20	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

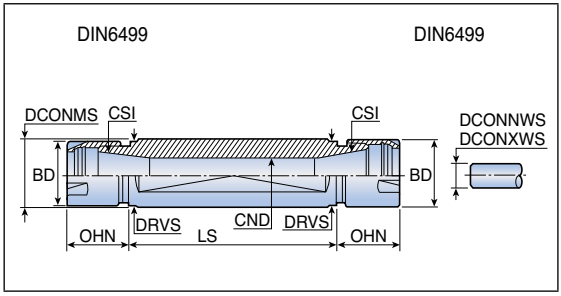
G139-G149 G166-G167 G170 G173

• MF: Mini flat shank

ST-ER-MF D

Straight shanks - Double mini collet





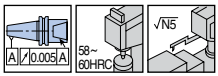
Designation	Dimension (mm)								
	DCONMS	CSI	DCONNWS	DCONXWS	CND	BD	OHN	LS	DRVS
ST 16x50 ER11 MF D	16	ER11	0.5	7.0	7.5	16	18.5	50	14
20x30 ER11 MF D	20	ER11	0.5	7.0	7.5	16	18.5	30	17
20x50 ER11 MF D	20	ER11	0.5	7.0	7.5	16	18.5	50	17
20x55 ER16 MF D	20	ER16	0.5	10.0	10.5	22	25.0	55	17
22x55 ER16 MF 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

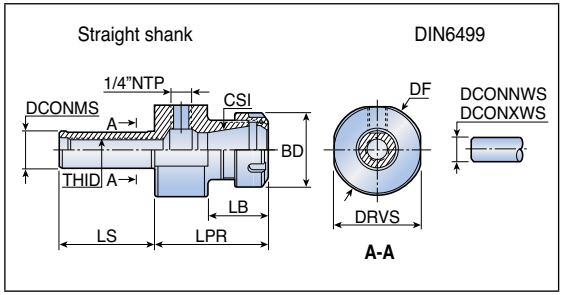
G139-G149 G166-G167 G170 G173

• MF D: Mini flat double

ST-ER-S

Straight shanks - Internal coolant





Designation		Dimension (mm)										
		DCONMS	CSI	DCONNWS	DCONXWS	DF	BD	LPR	LB	LS	THID	DRVS
ST	**20x65 ER16 S**	20	ER16	0.5	10.0	40	28	54	29.6	65	M12	34
	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
	20x65 ER32 S	20	ER32	2.0	20.0	63	50	77	41.0	65	M12	59
	25x65 ER25 S	25	ER25	1.0	16.0	54	42	72	32.0	65	M12	50
	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


G139-G149

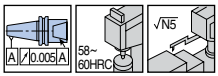
G166-G167

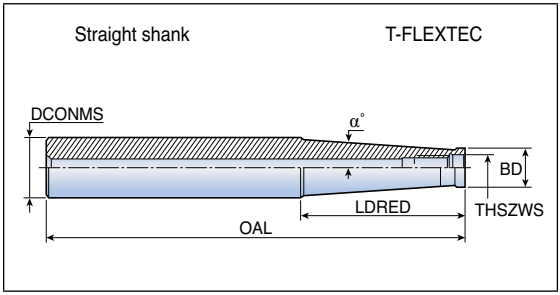
G170

G173

S M-L-C

Straight shanks



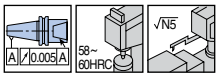


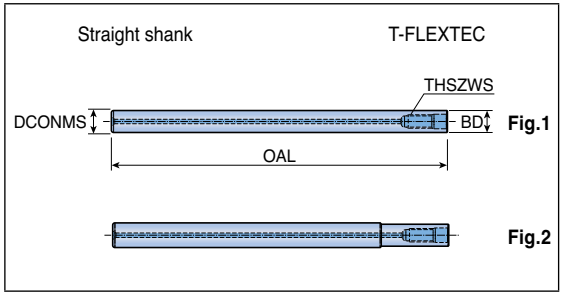
Designation	Dimension (mm)						Shank type
	THSZWS	DCONMS	BD	OAL	LDRED	α°	
S M06 - L60 C10	M06	10	9.7	60	20.0	-	C
L105-C12	M06	12	9.7	105	60.0	1.2	C
L125-C16	M06	16	9.7	125	60.0	3.3	C
S M08 - L73 C16	M08	16	13.0	73	25.0	-	C
L128-C 16	M08	16	13.0	128	80.0	0.9	C
L170-C20	M08	20	13.0	170	66.8	3.3	C
S M10 - 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

• All shanks have coolant holes

S M06-CT

Carbide T-FLEXTEC shanks with internal coolant hole



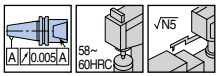


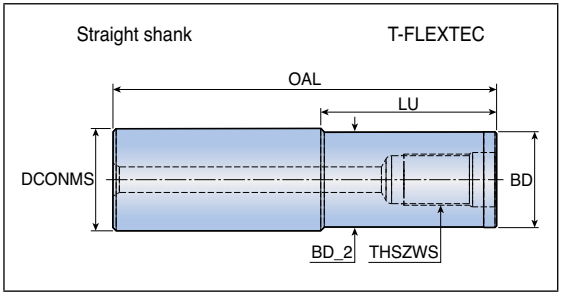
Designation	Dimension (mm)				Fig.
	THSZWS	DCONMS	BD	OAL	
S M06 - CT10-L100	M06	10	10	100	1
CT10-L150	M06	10	10	150	1
CT12-L100	M06	12	12	100	1
CT12-L150	M06	12	12	150	1

- All shanks have coolant holes
- Fig.2 can be supplied as special

S M-CT-L

Carbide T-FLEXTEC shanks with internal coolant hole



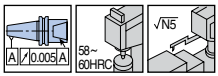


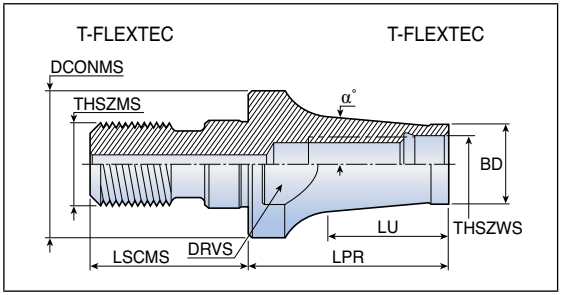
Designation	Dimension (mm)					
	THSZWS	DCONMS	BD	BD_2	OAL	LU
S M08-CT16 - 20-L80	M08	16	15.3	15.3	80	20
40-L100	M08	16	15.3	15.3	100	40
80-L150	M08	16	15.3	15.3	150	80
100-L200	M08	16	13.0	12.5	200	100
140-L200	M08	16	15.3	15.3	200	140
180-L250	M08	16	15.3	15.3	250	180
S M10-CT20 - 20-L80	M10	20	18.5	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
180-L250	M10	20	18.0	17.5	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	24.0	24.0	100	40
80-L150	M12	25	21.0	20.5	150	80
100-L200	M12	25	21.0	20.5	200	100
130-L250	M12	25	21.0	20.5	250	130
140-L200	M12	25	21.0	20.5	200	140
180-L250	M12	25	24.0	24.0	250	180
180-L300	M12	25	21.0	20.5	300	180
230-L300	M12	25	21.0	20.5	300	230
S M16-CT32 - 40-L100	M16	32	29.0	29.0	100	40
80-L150	M16	32	29.0	29.0	150	80
100-L200	M16	32	29.0	29.0	200	100
130-L250	M16	32	29.0	29.0	250	130
140-L200	M16	32	29.0	29.0	200	140
180-L250	M16	32	29.0	29.0	250	180
180-L300	M16	32	29.0	29.0	300	180
230-L300	M16	32	29.0	29.0	300	230
230-L350	M16	32	29.0	29.0	350	230
280-L350	M16	32	29.0	29.0	350	280

• All shanks have coolant holes

CAB M-M

Reducers



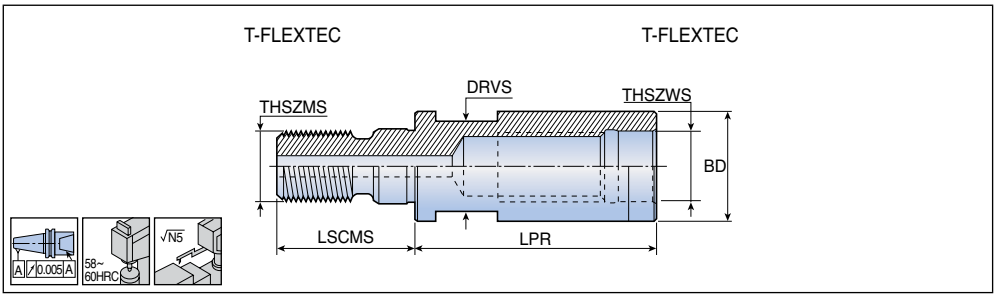


Designation	Dimension (mm)								
	THSZWS	THSZMS	BD	DCONMS	LPR	LSCMS	LU	DRVS	α°
CAB M06M08	M06	M08	9.7	13	30	17.5	24.8	9.5	5.7
M08M10	M08	M10	13.0	18	40	20.0	33.4	15.0	5.2
M10M12	M10	M12	18.0	21	45	22.0	36.4	17.0	2.5
M12M16	M12	M16	21.0	29	50	25.0	42.5	25.0	6.3

• With coolant holes

CAB M-M-C

Extensions



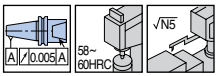
Designation	Dimension (mm)					
	THSZWS	THSZMS	BD	LPR	LSCMS	DRVS
CAB M08M08-C	M08	M08	13	30	17.5	9.6
M10M10-C	M10	M10	18	35	20.0	15.0
M12M12-C	M12	M12	21	40	22.0	17.0
M16M16-C	M16	M16	29	40	25.0	25.0

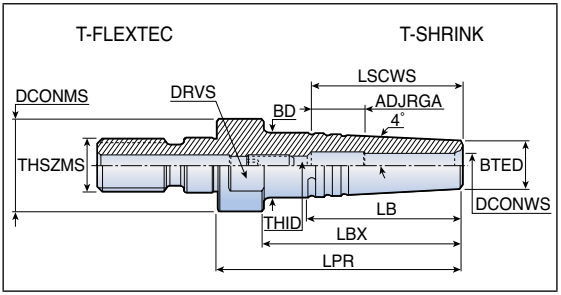
• With coolant holes

CDP M-SRK

TFLEXTEC TSHRINK

Adapters with SRK T-SHRINK





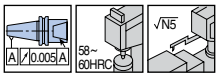
Designation		Dimension (mm)												
		THSZMS	DCONWS	BTED	BD	DCONMS	LPR	LBX	LB	ADJRGA	LSCWS	THID	DRVS	Hex key
CDP M10	**SRK 3x40**	M10	3	10	14	18	40	31.5	28.4	6	16	M4	15	2.0
	SRK 4x40	M10	4	10	14	18	40	31.5	28.4	7	19	M4	15	2.0
	SRK 5x40	M10	5	10	14	18	40	31.5	28.4	10	25	M4	15	2.0
CDP M12	**SRK 3x45**	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

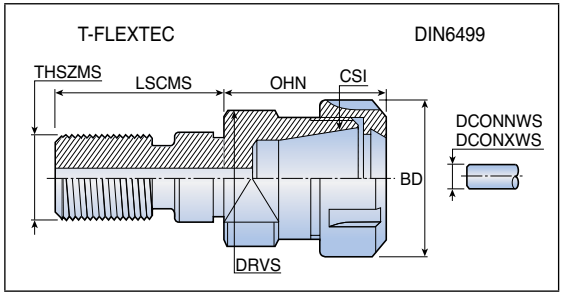
• With coolant holes

CDP ER-M

TFLEXTEC

Adapters with ER collet chuck





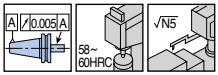
Designation		Dimension (mm)							
		CSI	THSZMS	DCONNWS	DCONXWS	BD	OHN	LSCMS	DRVS
CDP	**ER11 M10 M**	ER11	M10	0.5	7.0	16	27.0	20	15
	ER11 M12 M	ER11	M12	0.5	7.0	16	27.0	22	17
	ER16 M10 M	ER16	M10	0.5	10.0	22	38.1	20	17
	ER16 M12 M	ER16	M12	0.5	10.0	22	37.1	22	17
	ER16 M16	ER16	M16	0.5	10.0	28	36.6	25	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

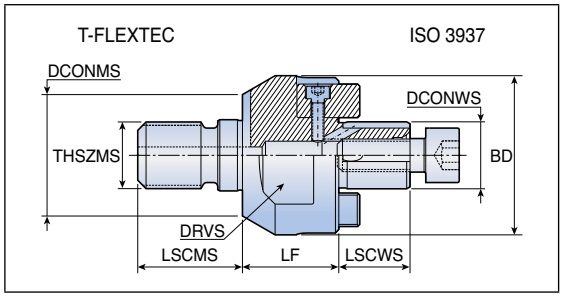
• With coolant holes

CAB M-SEM-C

TFLEXTEC

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

• With coolant holes


G139-G149

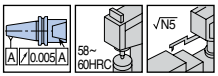
G166-G167

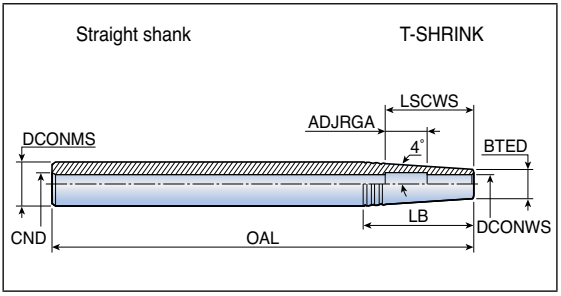
G173

ST-SRK

T-SHRINK

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

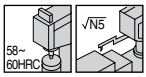

G177

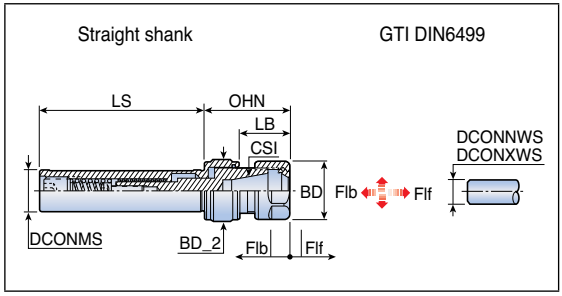

G178

G190

GTI ER-ST

GTI tap attachments

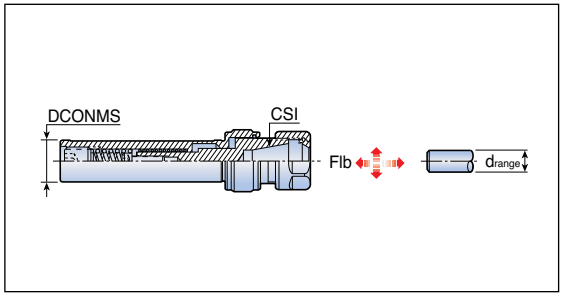




Designation		Dimension (mm)												
		DCONMS	CSI	Tapmin	Tapmax	DCONNWS	DCONXWS	BD	BD_2	OHN	LB	LS	Flf	Flb
GTI	ER11 ST16x150 M	16	ER11	M2	M7	0.5	7.0	16	-	-	19.0	150	6	3
	ER16 ST20x80	20	ER16	M3	M10	0.5	10.0	28	29.5	41.6	24.6	80	8	3
	ER20 ST20x80	20	ER20	M4	M14	1.0	13.0	34	33.5	49.0	28.0	80	8	3
	ER25 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

KIT GTI ER-ST

GTI tap attachment kits



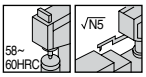
Designation		Dimension (mm)		
		DCONMS	CSI	drange
KIT GTI	ER11 ST16x150 4M	16	ER11	3, 4, 5, 6
	ER16 ST20x80 4	20	ER16	4, 5, 6, 7
	ER20 ST20x80 4	20	ER20	5, 6, 8, 9
	ER25 ST25x80 5	25	ER25	6, 7, 9, 11, 12
	ER32 ST25x80 6	25	ER32	6, 7, 9, 11, 12, 16
	ER40 ST32x80 6	32	ER40	9, 11, 14, 16, 18, 20

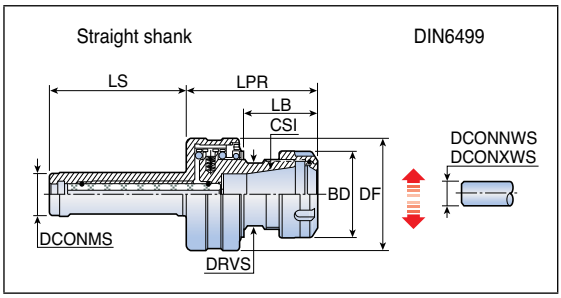
G139-G149 G166-G167 G173 G191

• GTI, collet, wrench included

GFI ST-ER

GFI floating reamer ER collet chucks



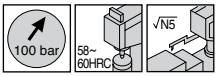


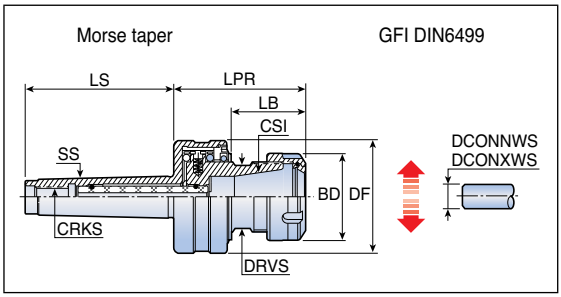
Designation		Dimension (mm)										
		DCONMS	CSI	DCONNWS	DCONXWS	DF	BD	LPR	LB	LS	Radial float	DRVS
GFI	**ST20 ER20**	20	ER20	1.0	13.0	50	34	55.5	34.5	65	1.0	22
	ST25 ER32	25	ER32	2.0	20.0	65	50	76.9	45.9	80	1.6	36

• Max. 2,000RPM

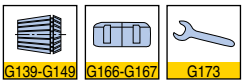
GFI MT-ER

Morse taper GFI reamer holders





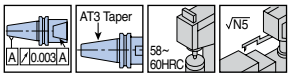
Designation		Dimension (mm)											
		SS	CSI	DCONNWS	DCONXWS	DF	BD	LPR	LB	LS	CRKS	Radial float	DRVS
GFI	**MT2 ER20**	2	ER20	1.0	13.0	50	34	60.5	34.5	64	M10	1.0	22
	MT3 ER32	3	ER32	2.0	20.0	65	50	81.9	45.9	81	M12	1.6	36

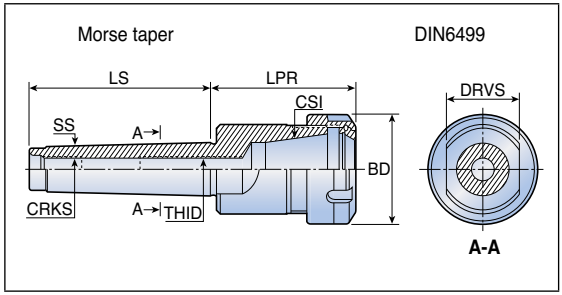


• Max. 2,000RPM

MT-ER

Morse taper collet chucks

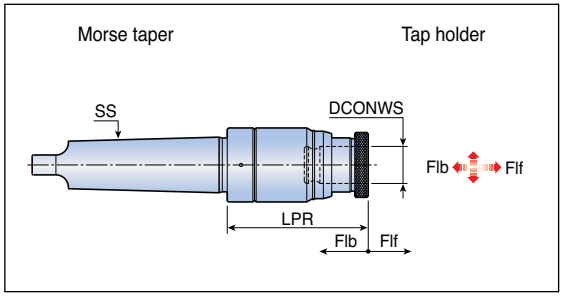




Designation		Dimension (mm)									
		SS	CSI	DCONNWS	DCONXWS	BD	LPR	LS	CRKS	THID	DRVS
MT2	**ER 20x48.5**	2	ER20	1.0	13.0	34	48.5	64.0	M10	M10	22
	ER 25x52	2	ER25	1.0	16.0	42	52.0	64.0	M10	M10	28
MT3	**ER 32x69**	3	ER32	2.0	20.0	50	69.0	81.0	M12	M12	24
	ER 40x79	3	ER40	3.0	26.0	63	79.0	81.0	M12	M12	24
MT4	**ER 32x61**	4	ER32	2.0	20.0	50	60.5	102.5	M16	M16	32
	ER 40x82	4	ER40	3.0	26.0	63	81.5	102.5	M16	M16	32
	ER 50x108	4	ER50	10.0	34.0	78	107.5	102.5	M16	M16	32
MT5	**ER 40x82**	5	ER40	3.0	26.0	63	82.0	129.5	M20	M28x1.5	45
	ER 50x85	5	ER50	10.0	34.0	78	85.0	129.5	M20	M28x1.5	45

MTA-TC

Tap holders - MTA

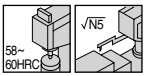


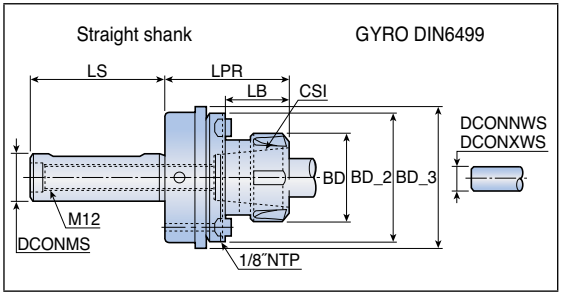
Designation		Dimension (mm)							
		SS	Tap$_{min}$	Tap$_{max}$	DCONWS	LPR	Flb	Flf	Tap adapter
MTA3	**TC12-90**	12	M3	M12	19	90	6.5	12	TA1
	TC22-115	22	M6	M24	31	115	14.5	13	TA2
MTA4	**TC12-105**	12	M3	M12	19	105	6.5	12	TA1
	TC22-115	22	M6	M24	31	115	14.5	13	TA2
MTA5	**TC12-145**	12	M3	M12	19	145	6.5	12	TA1
	TC22-175	22	M6	M24	31	175	14.5	13	TA2

G139-G149 G164 G166-G167 G173

GYRO ST-ER

GYRO center alignment ER collet chucks



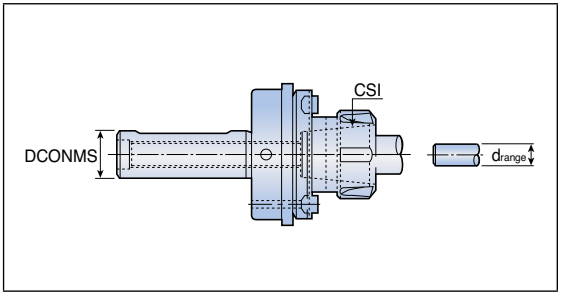


Designation	Dimension (mm)									
	SS	CSI	DCONNWS	DCONXWS	BD	BD_2	BD_3	LPR	LB	LS
GYRO ST20 ER20	20	ER20	1.0	13.0	34	57	63	58.80	28.5	80
ST25 ER25	25	ER25	1.0	16.0	42	74	79	65.65	35.5	80
ST25 ER32	25	ER32	2.0	20.0	50	74	79	66.65	36.5	80
ST32 ER32	32	ER32	2.0	20.0	50	74	79	66.65	36.5	80
ST40 ER32	40	ER32	2.0	20.0	50	74	79	66.65	36.5	80

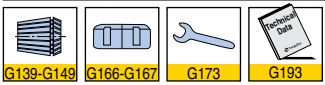
• First time users should buy a kit GYRO for performing the alignment procedure

KIT GYRO ST-ER

GYRO center alignment ER collet chuck kits



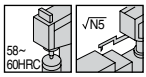
Designation	Dimension (mm)		
	DCONMS	CSI	drange
KIT GYRO ST20 ER20	20	ER20	1-13
ST25 ER25	25	ER25	1-16
ST25 ER32	25	ER32	2-20
ST32 ER32	32	ER32	2-20
ST40 ER32	40	ER32	2-20

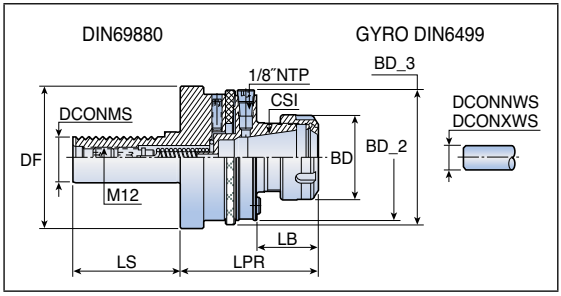


• Kit includes: GYRO, test bar and bushing

GYRO DIN69880-ER

GYRO center alignment ER collet chucks



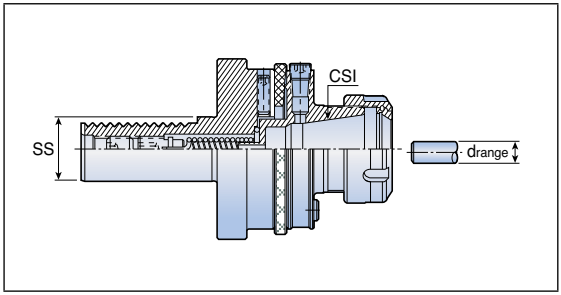


Designation		Dimension (mm)										
		DCONMS	CSI	DCONNWS	DCONXWS	BD	BD_2	BD_3	DF	LPR	LB	LS
GYRO DIN69880	**30 ER32**	30	ER32	2.0	20.0	50	74	79	68.0	81.65	36.5	55
	40 ER32	40	ER32	2.0	20.0	50	74	79	83.2	81.65	36.5	63
	50 ER32	50	ER32	2.0	20.0	50	74	79	98.0	81.65	36.5	78

• First time users should buy a kit GYRO for performing the alignment procedure

KIT GYRO DIN69880-ER

GYRO center alignment ER collet chuck kits



Designation	Dimension (mm)		
	SS	CSI	drange
KIT GYRO 40 DIN69880 ER32	VDI40	ER32	2-20
50 DIN69880 ER32	VDI50	ER32	2-20

G139-G149 G166-G167 G173 G193

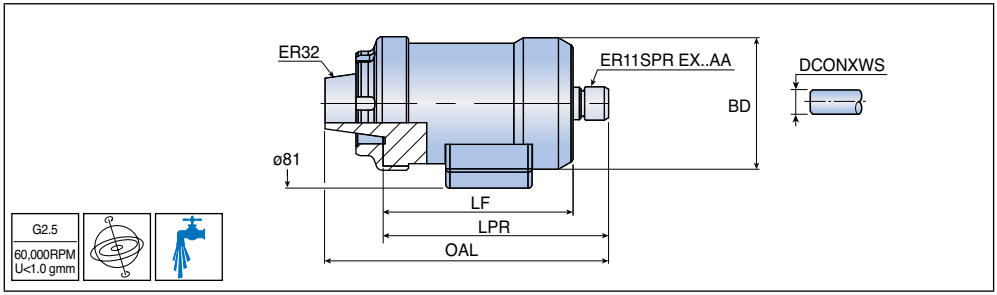
• Kit includes: GYRO, test bar and bushing

ADVANCE MACHINING
TaeguTec Industry 4.0

TYPHOON GREEN

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

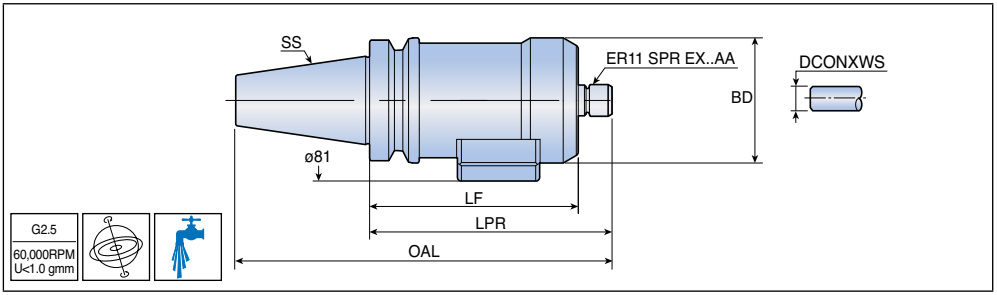
Spare parts

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

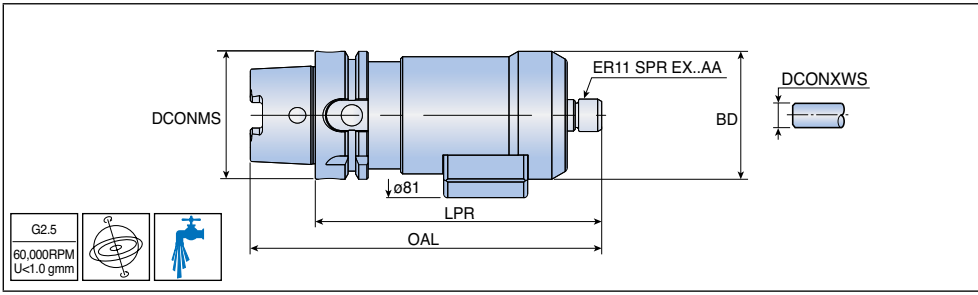
Spare parts

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

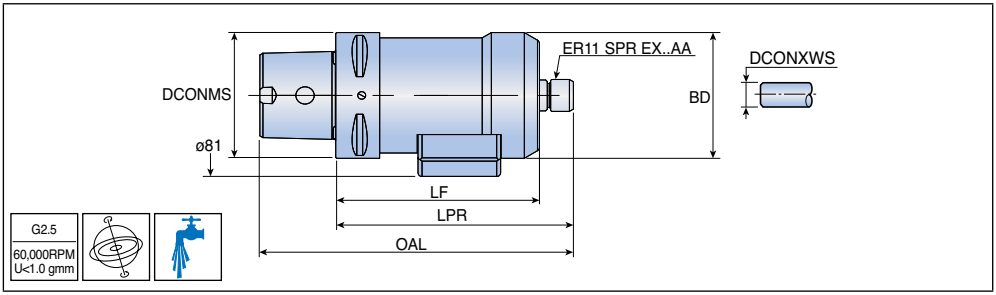
Spare parts

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
	GJET C6	63.0	7.0	102.0	119.0	119.0	63.0	1.6

- 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

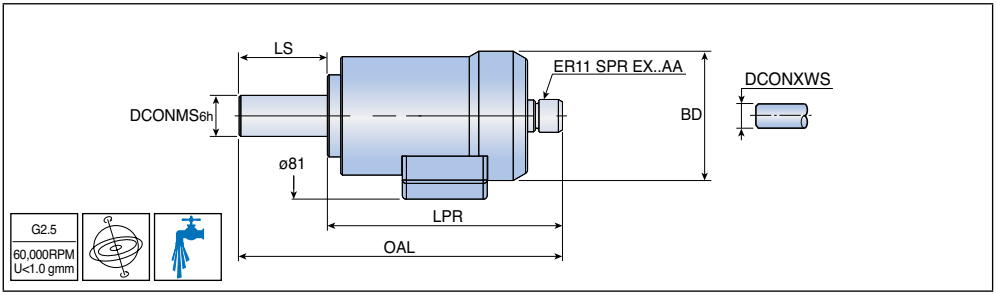
Spare parts

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

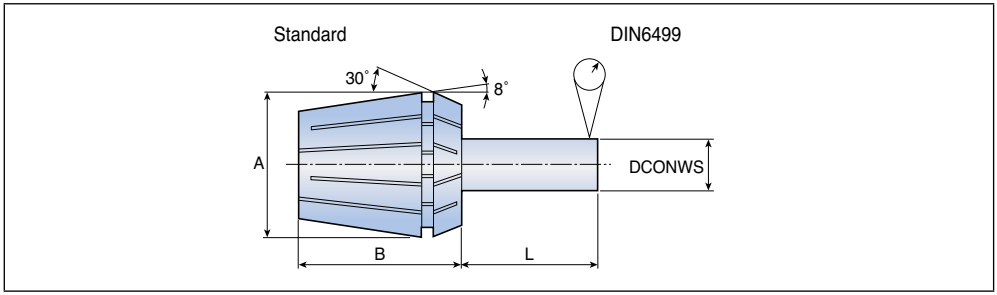
Spare parts

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

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

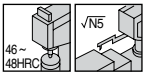
(mm)

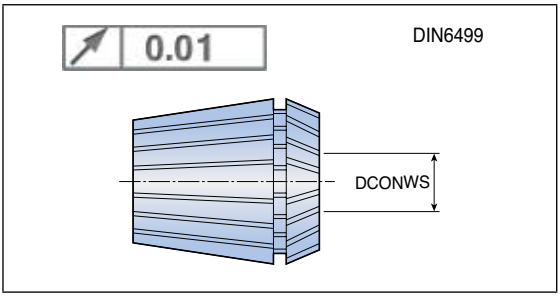
Type	A	B
ER11	11.5	18
ER16	17.0	27
ER20	21.0	31
ER25	26.0	35
ER32	33.0	40
ER40	41.0	46
ER50	52.0	60

Technical Data
G179-G181

ER-SPR

ER collets

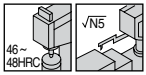


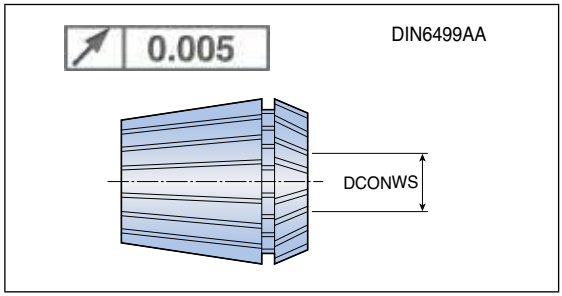


DCONWSrange	ER11	ER16	ER20	ER25	ER32	ER40	ER50
0.5-1	ER11 SPR 0.5-1	ER16 SPR 0.5-1					
1-2	1-2	1-2	ER20 SPR 1-2	ER25 SPR 1-2			
2-3	2-3	2-3	2-3	2-3	ER32 SPR 2-3		
3-4	3-4	3-4	3-4	3-4	3-4	ER40 SPR 3-4	
4-5	4-5	4-5	4-5	4-5	4-5	4-5	
5-6	5-6	5-6	5-6	5-6	5-6	5-6	
6-7	6-7	6-7	6-7	6-7	6-7	6-7	
7-8		7-8	7-8	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

Ultra precision ER collets

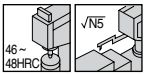


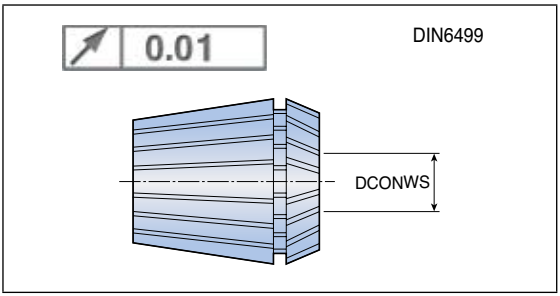


DCONWSrange	ER11	ER16	ER20	ER25	ER32	ER40
0.5-1	ER11 SPR 0.5-1AA	ER16 SPR 0.5-1AA				
1-2	1-2AA	1-2AA	ER20 SPR 1-2AA	ER25 SPR 1-2AA		
2-3	2-3AA	2-3AA	2-3AA	2-3AA	ER32 SPR 2-3AA	
3-4	3-4AA	3-4AA	3-4AA	3-4AA	3-4AA	ER40 SPR 3-4AA
4-5	4-5AA	4-5AA	4-5AA	4-5AA	4-5AA	4-5AA
5-6	5-6AA	5-6AA	5-6AA	5-6AA	5-6AA	5-6AA
6-7	6-7AA	6-7AA	6-7AA	6-7AA	6-7AA	6-7AA
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

TaeguTec standard precision - Sealed JET collets

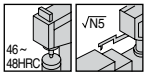


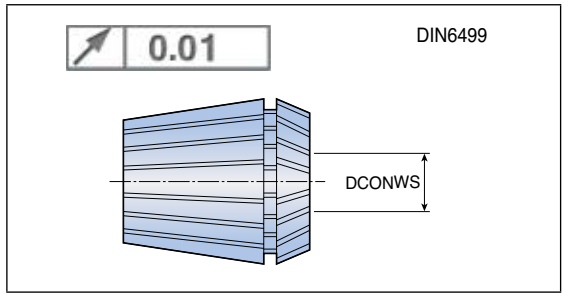


DCONWSrange	ER16	ER20	ER25	ER32	ER40
3-4	ER16 SEAL 3-4	ER20 SEAL 3-4	ER25 SEAL 3-4	ER32 SEAL 3-4	ER40 SEAL 3-4
4-5	4-5	4-5	4-5	4-5	4-5
5-6	5-6	5-6	5-6	5-6	5-6
6-7	6-7	6-7	6-7	6-7	6-7
7-8	7-8	7-8	7-8	7-8	7-8
8-9	8-9	8-9	8-9	8-9	8-9
9-10	9-10	9-10	9-10	9-10	9-10
10-11		10-11	10-11	10-11	10-11
11-12		11-12	11-12	11-12	11-12
12-13		12-13	12-13	12-13	12-13
13-14			13-14	13-14	13-14
14-15			14-15	14-15	14-15
15-16			15-16	15-16	15-16
16-17				16-17	16-17
17-18				17-18	17-18
18-19				18-19	18-19
19-20				19-20	19-20
20-21					20-21
21-22					21-22
22-23					22-23
23-24					23-24
24-25					24-25
25-26					25-26

ER-SEAL-JET2

TaeguTec standard precision - Sealed JET2 collets

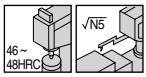


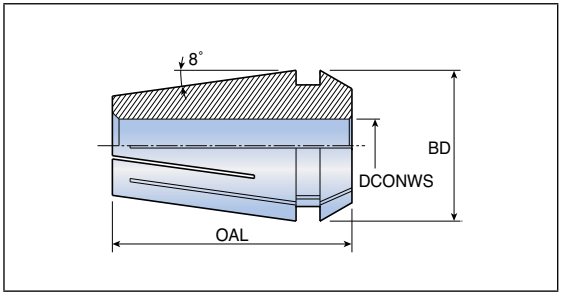


DCONWS range	ER16	ER20	ER25	ER32	ER40
3-4	ER16 SEAL 3-4JET2	ER20 SEAL 3-4JET2	ER25 SEAL 3-4JET2	ER32 SEAL 3-4JET2	ER40 SEAL 3-4JET2
4-5	4-5JET2	4-5JET2	4-5JET2	4-5JET2	4-5JET2
5-6	5-6JET2	5-6JET2	5-6JET2	5-6JET2	5-6JET2
6-7	6-7JET2	6-7JET2	6-7JET2	6-7JET2	6-7JET2
7-8	7-8JET2	7-8JET2	7-8JET2	7-8JET2	7-8JET2
8-9	8-9JET2	8-9JET2	8-9JET2	8-9JET2	8-9JET2
9-10	9-10JET2	9-10JET2	9-10JET2	9-10JET2	9-10JET2
10-11		10-11JET2	10-11JET2	10-11JET2	10-11JET2
11-12		11-12JET2	11-12JET2	11-12JET2	11-12JET2
12-13		12-13JET2	12-13JET2	12-13JET2	12-13JET2
13-14			13-14JET2	13-14JET2	13-14JET2
14-15			14-15JET2	14-15JET2	14-15JET2
15-16			15-16JET2	15-16JET2	15-16JET2
16-17				16-17JET2	16-17JET2
17-18				17-18JET2	17-18JET2
18-19				18-19JET2	18-19JET2
19-20				19-20JET2	19-20JET2
20-21					20-21JET2
21-22					21-22JET2
22-23					22-23JET2
23-24					23-24JET2
24-25					24-25JET2
25-26					25-26JET2

EROH

ER collets for internal coolant



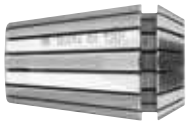


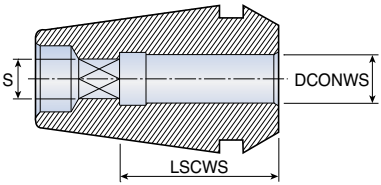
Designation	Dimension (mm)		
	DCONWS$_{range}$	BD	OAL
EROH 16	4.0-10.0	17	27.5
EROH 20	6.0-13.0	21	31.5
EROH 25	6.0-16.0	26	34.0
EROH 32	8.0-20.0	33	40.0
EROH 40	10.0-26.0	41	46.0

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	EROH 40-11
12		EROH 20-12	EROH 25-12	EROH 32-12	EROH 40-12
13		EROH 20-13	EROH 25-13	EROH 32-13	EROH 40-13
14			EROH 25-14	EROH 32-14	EROH 40-14
15			EROH 25-15	EROH 32-15	EROH 40-15
16			EROH 25-16	EROH 32-16	EROH 40-16
17				EROH 32-17	EROH 40-17
18				EROH 32-18	EROH 40-18
19				EROH 32-19	EROH 40-19
20				EROH 32-20	EROH 40-20
21					EROH 40-21
22					EROH 40-22
23					EROH 40-23
24					EROH 40-24
25					EROH 40-25
26					EROH 40-26

ER TAP

ER type tap collets



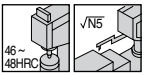


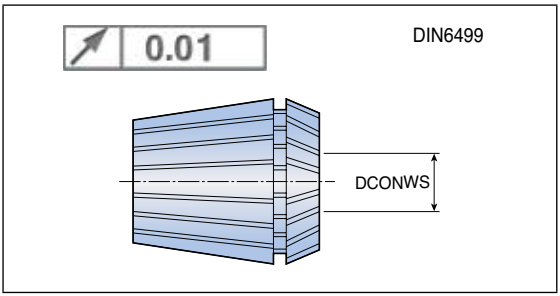
Tap size	Dimension (mm)			ER TAP 16	ER TAP 20	ER TAP 25	ER TAP 32	ER TAP 40
	LSCWS	DCONWS	S					
M4	15	5.0	4.0	ER TAP 16-M4	ER TAP 20-M4	ER TAP 25-M4	ER TAP 32-M4	
M5	15	5.5	4.5	ER TAP 16-M5	ER TAP 20-M5	ER TAP 25-M5	ER TAP 32-M5	
M6	15	6.0	4.5	ER TAP 16-M6	ER TAP 20-M6	ER TAP 25-M6	ER TAP 32-M6	
M8	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 type collet sets - TaeguTec standard precision

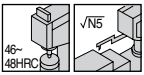


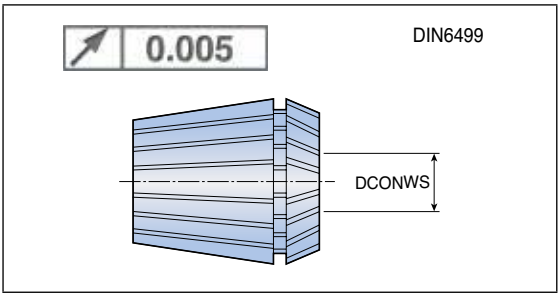


Designation	Pieces / set	DCONWS$_{range}$
SET ER11 SPR 7	7	0.5-7
ER16 SPR 10	10	0.5-10
ER20 SPR 12	12	1-13
ER25 SPR 15	15	1-16
ER32 SPR 18	18	2-20
ER40 SPR 23	23	3-26
ER50 SPR 12	12	10-34

SET ER-SPR-AA

ER type collet sets - TaeguTec ultra precision "AA"

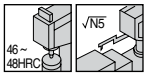


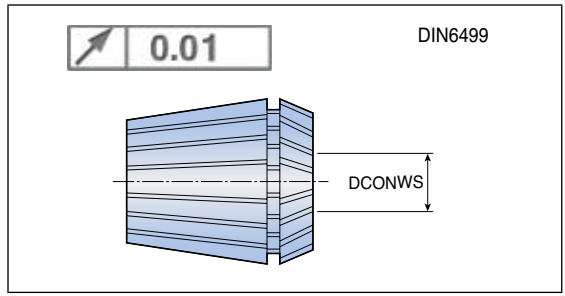


Designation	Pieces / set	DCONWS$_{range}$
SET ER11 SPR 7AA	7	0.5-7
ER16 SPR 10AA	10	0.5-10
ER20 SPR 12AA	12	1-13
ER25 SPR 15AA	15	1-16
ER32 SPR 18AA	18	2-20
ER40 SPR 23AA	23	3-26

SET ER-SEAL

Sealed JET collet sets - TaeguTec standard precision

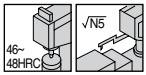


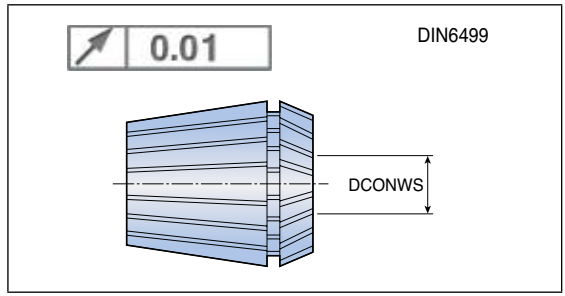


Designation	Pieces / set	DCONWS range
SET ER16 SEAL 7	7	3-10
ER20 SEAL 10	10	3-13
ER25 SEAL 13	13	3-16
ER32 SEAL 17	17	3-20
ER40 SEAL 23	23	3-26

SET ER-SEAL-JET2

Sealed JET2 collet sets - TaeguTec standard precision

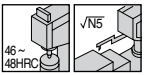


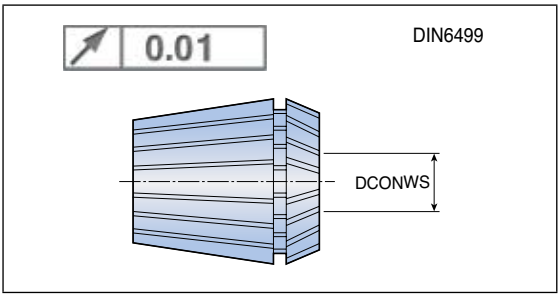


Designation	Pieces / set	DCONWS range
SET ER16 SEAL 7JET2	7	3-10
ER20 SEAL 10JET2	10	3-13
ER25 SEAL 13JET2	13	3-16
ER32 SEAL 17JET2	17	3-20
ER40 SEAL 23JET2	23	3-26

SET ER-SPR-EM

ER collet start sets - TaeguTec standard precision

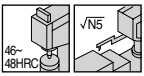


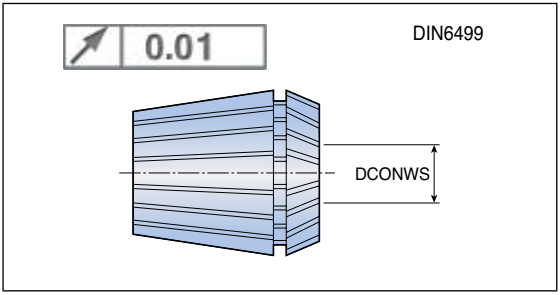


Designation	Pieces / set	DCONWS$_{range}$
SET ER16 SPR 8 EM	8	3, 4, 5, 6, 7, 8, 9, 10
ER20 SPR 5 EM	5	4, 6, 8, 10, 12
ER25 SPR 6 EM	6	4, 6, 8, 10, 12, 16
ER32 SPR 6 EM	6	6, 8, 10, 12, 16, 20
ER40 SPR 7 EM	7	6, 8, 10, 12, 16, 20, 25

SET ER-SEAL-EM

ER collet start sets - TaeguTec standard precision

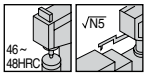


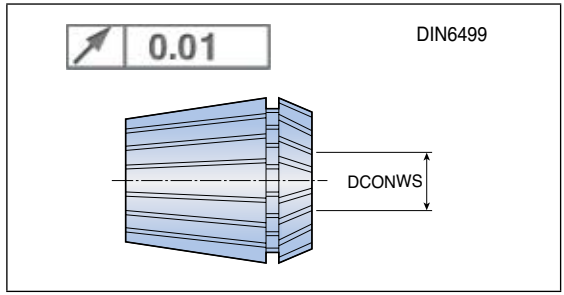


Designation	Pieces / set	DCONWS$_{range}$
SET ER16 SEAL 5 EM	5	4, 5, 6, 8, 10
ER20 SEAL 5 EM	5	4, 6, 8, 10, 12
ER25 SEAL 6 EM	6	4, 6, 8, 10, 12, 16
ER32 SEAL 6 EM	6	6, 8, 10, 12, 16, 20
ER40 SEAL 7 EM	7	6, 8, 10, 12, 16, 20, 25

SET ER-SEAL-EM JET2

ER collet start sets - TaeguTec standard precision





Designation	Pieces / set	DCONWS range
SET ER25 SEAL 6 EM JET2	6	4, 6, 8, 10, 12, 16
ER32 SEAL 6 EM JET2	6	6, 8, 10, 12, 16, 20
ER40 SEAL 7 EM JET2	7	6, 8, 10, 12, 16, 20, 25

KIT-ER

ER collet sets - Taper shank

Designation	Pieces / set	DCONWS range
KIT DIN2080 30 18 ER32	18	2-20
DIN2080 40 18 ER32	18	2-20
DIN2080 40 23 ER40	23	3-26
DIN2080 50 23 ER40	23	3-26
MT3 18 ER32	18	2-20

• Each kit contains one collet chuck, a full set of ER collets and a wrench

KIT ST-ER M

ER collet chuck sets - Straight shank

DIN6499

Designation	Pieces / set	DCONWS range
KIT ST 12x80 7 ER11 M	7	0.5-7
ST 16x50 7 ER11 MF	7	0.5-7
ST 16x100 7 ER11 M	7	0.5-7
ST 16x150 7 ER11 M	7	0.5-7
ST 12x80 10 ER16 M	10	0.5-10
ST 20x100 10 ER16 M	10	0.5-10
ST 20x150 10 ER16 M	10	0.5-10
ST 20x100 12 ER20 M	12	1-12
ST 20x150 12 ER20 M	12	1-12

• Each kit contains one collet chuck, a full set of ER collets and a wrench

KIT ST-ER

ER type collet chuck sets - Straight shank

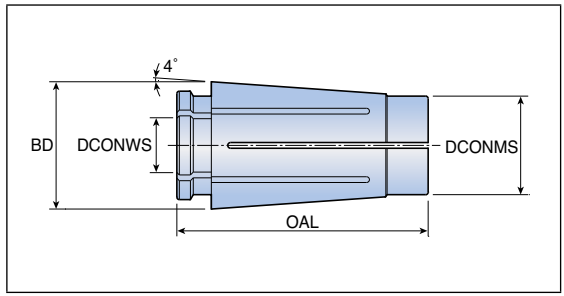
DIN6499

Designation	Pieces / set	DCONWS range
KIT ST 16x50 7 ER11 F	7	0.5-7
ST 20x50 7 ER11 F	7	0.5-7
ST 20x100 7 ER11	7	0.5-7
ST 20x150 7 ER11	10	0.5-10
ST 20x50 10 ER16 F	10	0.5-10
ST 20x100 10 ER16	10	0.5-10
ST 20x150 10 ER16	12	1-12
ST 20x50 12 ER20 F	12	1-12

• Each kit contains one collet chuck, a full set of ER collets and a wrench

TSK

TSK collets

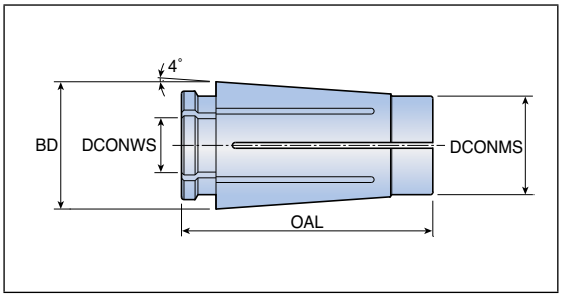


Designation	Dimension (mm)		
	BD	DCONMS	OAL
TSK 06	10.4	7.5	25.0
TSK 10	15.5	12.0	30.6
TSK 16	24.6	18.8	45.0
TSK 25	35.7	28.8	57.0

DCONWS$_{range}$	TSK 06	TSK 10	TSK 16	TSK 25
1.5-2.0	TSK 06-2.0	TSK 10-2.0		
2.0-2.5	TSK 06-2.5	TSK 10-2.5		
2.5-3.0	TSK 06-3.0	TSK 10-3.0	TSK 16-3.0	
3.0-3.5	TSK 06-3.5	TSK 10-3.5	TSK 16-3.5	
3.5-4.0	TSK 06-4.0	TSK 10-4.0	TSK 16-4.0	
4.0-4.5	TSK 06-4.5	TSK 10-4.5	TSK 16-4.5	
4.5-5.0	TSK 06-5.0	TSK 10-5.0	TSK 16-5.0	
5.0-5.5	TSK 06-5.5	TSK 10-5.5	TSK 16-5.5	
5.5-6.0	TSK 06-6.0	TSK 10-6.0	TSK 16-6.0	
6.0-6.5		TSK 10-6.5	TSK 16-6.5	
6.5-7.0		TSK 10-7.0	TSK 16-7.0	
7.0-7.5		TSK 10-7.5	TSK 16-7.5	
7.5-8.0		TSK 10-8.0	TSK 16-8.0	
8.0-8.5		TSK 10-8.5	TSK 16-8.5	
8.5-9.0		TSK 10-9.0	TSK 16-9.0	
9.0-9.5		TSK 10-9.5	TSK 16-9.5	
9.5-10.0		TSK 10-10.0	TSK 16-10.0	
10.0-10.5			TSK 16-10.5	
10.5-11.0			TSK 16-11.0	
11.0-11.5			TSK 16-11.5	
11.5-12.0			TSK 16-12.0	
12.0-12.5			TSK 16-12.5	
12.5-13.0			TSK 16-13.0	
13.0-13.5			TSK 16-13.5	
13.5-14.0			TSK 16-14.0	
14.0-14.5			TSK 16-14.5	
14.5-15.0			TSK 16-15.0	
15.0-15.5			TSK 16-15.5	
15.5-16.0			TSK 16-16.0	TSK 25-16.0
16.0-16.5				TSK 25-16.5
16.5-17.0				TSK 25-17.0

TSK

TSK collets

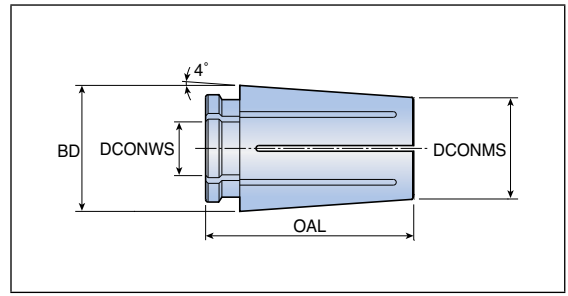


Designation	Dimension (mm)		
	BD	DCONMS	OAL
TSK 06	10.4	7.5	25.0
TSK 10	15.5	12.0	30.6
TSK 16	24.6	18.8	45.0
TSK 25	35.7	28.8	57.0

DCONWS range	TSK 06	TSK 10	TSK 16	TSK 25
17.0-17.5				TSK 25-17.5
17.5-18.0				TSK 25-18.0
18.0-18.5				TSK 25-18.5
18.5-19.0				TSK 25-19.0
19.0-19.5				TSK 25-19.5
19.5-20.0				TSK 25-20.0
20.0-20.5				TSK 25-20.5
20.5-21.0				TSK 25-21.0
21.0-21.5				TSK 25-21.5
21.5-22.0				TSK 25-22.0
22.0-22.5				TSK 25-22.5
22.5-23.0				TSK 25-23.0
23.0-23.5				TSK 25-23.5
23.5-24.0				TSK 25-24.0
24.0-24.5				TSK 25-24.5
24.5-25.0				TSK 25-25.0

TSKC

Internal coolant type collets for TSK chucks

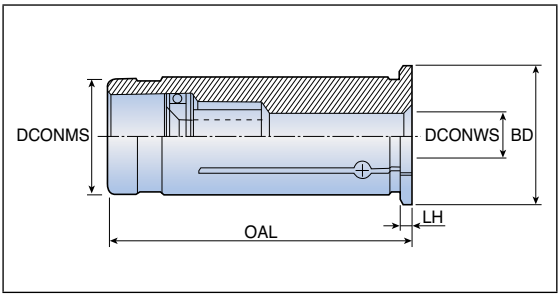


Designation	Dimension (mm)		
	BD	DCONMS	OAL
TSKC 06	10.4	8.00	21.0
TSKC 10	15.5	12.50	25.6
TSKC 16	24.6	20.12	37.0
TSKC 25	35.7	29.70	48.5

DCONWS range	TSKC 06	TSKC 10	TSKC 16	TSKC 25
4	TSKC 06-4.0			
5	TSKC 06-5.0			
6	TSKC 06-6.0	TSKC 10-6.0		
7		TSKC 10-7.0		
8		TSKC 10-8.0	TSKC 16-8.0	
9		TSKC 10-9.0	TSKC 16-9.0	
10		TSKC 10-10.0	TSKC 16-10.0	
11			TSKC 16-11.0	
12			TSKC 16-12.0	
13			TSKC 16-13.0	
14			TSKC 16-14.0	
15			TSKC 16-15.0	
16			TSKC 16-16.0	TSKC 25-16.0
17				TSKC 25-17.0
18				TSKC 25-18.0
19				TSKC 25-19.0
20				TSKC 25-20.0
21				TSKC 25-21.0
22				TSKC 25-22.0
23				TSKC 25-23.0
24				TSKC 25-24.0
25				TSKC 25-25.0

THC

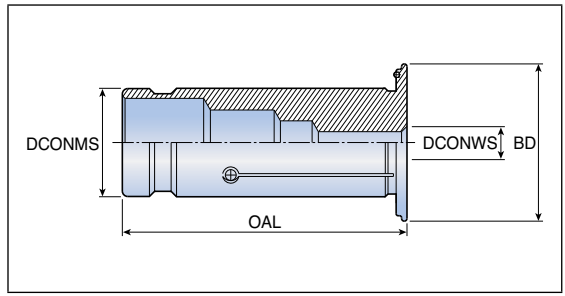
Straight collets for hydraulic chucks



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
20-17	20	17	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

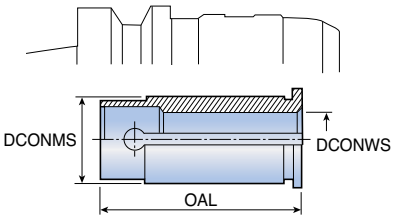
Straight collets of internal coolant type for hydraulic chucks



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

CSR

Straight collets for milling chucks

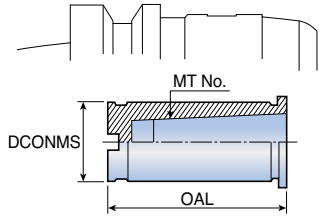


Designation	Dimension (mm)		
	DCONMS	DCONWS	OAL
CSR 20-4	20	4	50
20-6	20	6	50
20-8	20	8	50
20-10	20	10	50
20-12	20	12	50
20-16	20	16	50
25-4	25	4	60
25-6	25	6	60
25-8	25	8	60
25-10	25	10	60
25-12	25	12	60
25-16	25	16	60
25-20	25	20	60
32-4	32	4	65
32-6	32	6	65
32-8	32	8	65
32-10	32	10	65
32-12	32	12	65
32-16	32	16	65
32-20	32	20	65
32-25	32	25	65
42-4	42	4	75
42-6	42	6	75
42-8	42	8	75
42-10	42	10	75
42-12	42	12	75
42-16	42	16	75
42-20	42	20	75
42-25	42	25	75
42-32	42	32	75

CMR

Collet for milling chucks - Morse taper adapter for milling chuck

CMR type

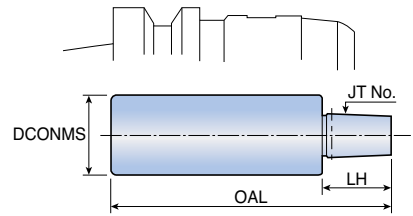


Designation		MT No.	Dimension (mm)		Application chuck
			DCONMS	OAL	
CMR	**32-1**	1	32	58	TMC 32
	32-2	2	32	71	TMC 32
	32-3	3	32	89	TMC 32
	42-1	1	42	58	TMC 42
	42-2	2	42	71	TMC 42
	42-3	3	42	89	TMC 42
	42-4	4	42	111	TMC 42

CJA

Collet for milling chucks - Jacobs taper adapter for milling chuck

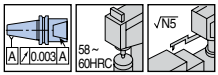
CJA type

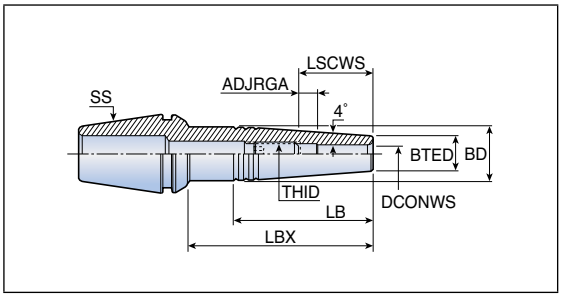


Designation		JT No.	Dimension (mm)			Application chuck
			DCONMS	OAL	LH	
CJA	**32-6**	6	32	118	28	TMC 32
	42-6	6	42	128	28	TMC 42

ER-SRK

T-SHRINK ER collets DIN6499



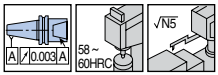


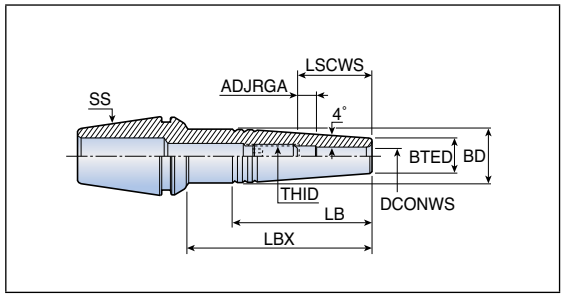
	Designation	Dimension (mm)									
		SS	DCONWS	BTED	BD	LBX	LB	ADJRGA	LSCWS	THID	Hex key
ER11	**SRK 3x10(1)**	ER11	3	7.6	8.5	10	-	-	10	-	-
	SRK 3x25(1)	ER11	3	7.6	8.5	25	-	-	10	-	-
	SRK 4x10(1)	ER11	4	7.6	8.5	10	-	-	12	-	-
	SRK 4x25(1)	ER11	4	7.6	8.5	25	-	-	12	-	-
ER20	**SRK 3x35**	ER20	3	10	13.5	35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

• (1) To be used only for TYPHOON spindles

ER-SRK

T-SHRINK ER collets DIN6499

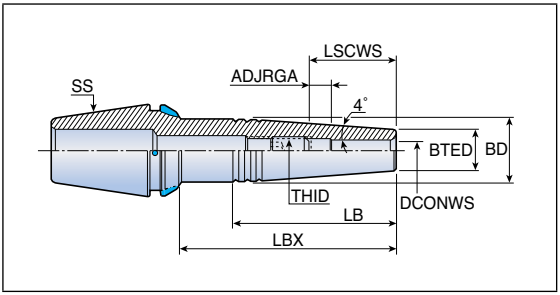




	Designation	Dimension (mm)									
		SS	DCONWS	BTED	BD	LBX	LB	ADJRGA	LSCWS	THID	Hex key
ER32	**SRK 3x35**	ER32	3	10	13.5	35	22.5	6	16	M6	3.0
	SRK 3x60	ER32	3	10	16.3	60	44.5	6	16	M6	3.0
	SRK 3x85	ER32	3	10	19.8	85	70.0	6	16	M6	3.0
	SRK 4x35	ER32	4	10	13.5	35	23.5	6	18	M6	3.0
	SRK 4x60	ER32	4	10	16.3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

ER-SRK-JET2

T-SHRINK ER collets DIN6499

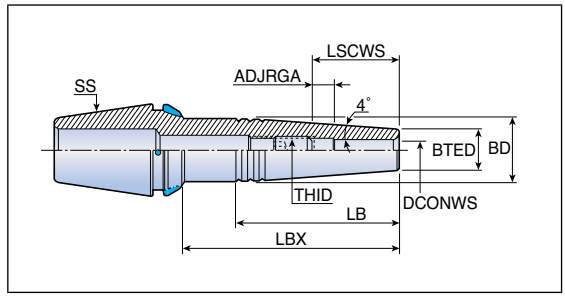


Designation		Dimension (mm)									
		SS	DCONWS	BTED	BD	LBX	LB	ADJRGA	LSCWS	THID	Hex key
ER20	**SRK 3x35 JET2**	ER20	3	10	13.5	35	24.5	6	16	M6	3.0
	SRK 4x35 JET2	ER20	4	10	13.5	35	24.5	6	18	M6	3.0
	SRK 5x35 JET2	ER20	5	10	13.5	35	24.5	6	21	M6	3.0
	SRK 6x35 JET2	ER20	6	11	13.5	35	25.5	6	24	M8	4.0
	SRK 6x60 JET2	ER20	6	11	13.5	60	29.5	6	24	M8	4.0
ER25	**SRK 3x35 JET2**	ER25	3	10	13.5	35	24.5	6	16	M6	3.0
	SRK 3x60 JET2	ER25	3	10	16.3	60	44.5	6	16	M6	3.0
	SRK 4x35 JET2	ER25	4	10	13.5	35	24.5	6	18	M6	3.0
	SRK 4x60 JET2	ER25	4	10	16.3	60	44.5	6	18	M6	3.0
	SRK 5x35 JET2	ER25	5	10	13.5	35	24.5	6	21	M6	3.0
	SRK 5x60 JET2	ER25	5	10	16.3	60	44.5	6	21	M6	3.0
	SRK 6x35 JET2	ER25	6	11	14.7	35	26.0	6	24	M8	4.0
	SRK 6x60 JET2	ER25	6	11	17.3	60	44.5	6	24	M8	4.0
	SRK 8x35 JET2	ER25	8	14	17.8	35	26.5	5	30	M10	5.0
	SRK 8x60 JET2	ER25	8	14	17.9	60	39.5	6	31	M10	5.0

ER-SRK-JET2

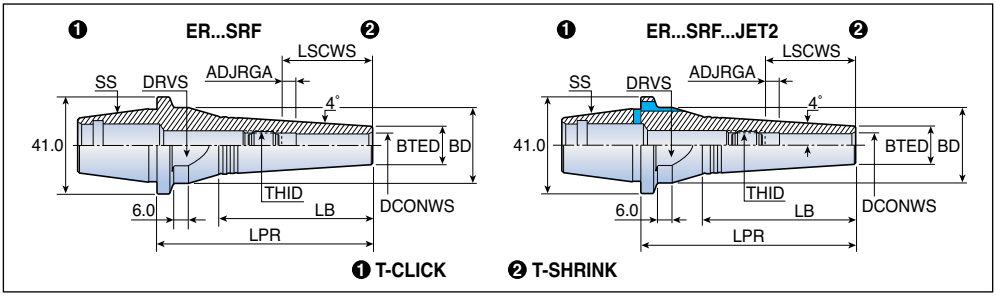
T-SHRINK

T-SHRINK ER collets DIN6499



Designation		Dimension (mm)									
		SS	DCONWS	BTED	BD	LBX	LB	ADJRGA	LSCWS	THID	Hex key
ER32	**SRK 3x35 JET2**	ER32	3	10	13.5	35	22.5	6	16	M6	3.0
	SRK 3x60 JET2	ER32	3	10	16.3	60	44.5	6	16	M6	3.0
	SRK 3x85 JET2	ER32	3	10	19.8	85	70.0	6	16	M6	3.0
	SRK 4x35 JET2	ER32	4	10	13.5	35	23.5	6	18	M6	3.0
	SRK 4x60 JET2	ER32	4	10	16.3	60	44.5	6	18	M6	3.0
	SRK 4x85 JET2	ER32	4	10	19.8	85	70.0	6	18	M6	3.0
	SRK 5x35 JET2	ER32	5	10	13.5	35	24.5	6	21	M6	3.0
	SRK 5x60 JET2	ER32	5	10	16.3	60	44.5	6	21	M6	3.0
	SRK 5x85 JET2	ER32	5	10	19.8	85	70.0	6	21	M6	3.0
	SRK 6x35 JET2	ER32	6	11	14.7	35	25.5	6	24	M8	4.0
	SRK 6x60 JET2	ER32	6	11	17.3	60	45.0	6	24	M8	4.0
	SRK 6x85 JET2	ER32	6	11	20.8	85	69.5	8	26	M8	4.0
	SRK 8x35 JET2	ER32	8	14	18.8	35	33.0	6	31	M10	5.0
	SRK 8x60 JET2	ER32	8	14	20.4	60	45.0	6	31	M10	5.0
	SRK 8x85 JET2	ER32	8	14	23.2	85	65.0	6	31	M10	5.0
	SRK 10x35 JET2	ER32	10	16	20.8	35	34.0	5	35	M12	6.0
	SRK 10x60 JET2	ER32	10	16	22.4	60	44.5	6	36	M12	6.0
	SRK 10x85 JET2	ER32	10	16	23.0	85	49.5	6	36	M12	6.0
	SRK 12x35 JET2	ER32	12	20	24.0	35	28.0	-	-	-	-
	SRK 12x60 JET2	ER32	12	20	24.0	60	28.0	6	38	M14	6.0
	SRK 12x85 JET2	ER32	12	20	24.0	85	28.0	6	38	M14	6.0

ER collets

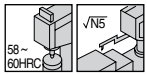


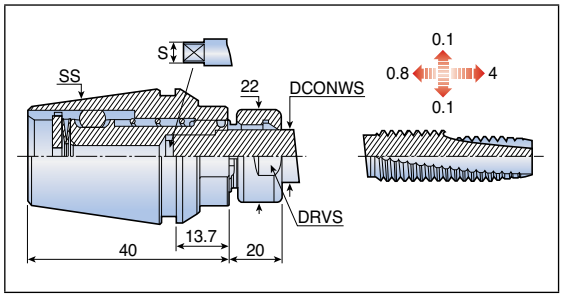
Designation		Dimension (mm)									
		SS	DCONWS	BTED	BD	LPR	LB	ADJRGA	LSCWS	THID	DRVS
ER32	**SRF 3x50**	32 SRF	3	10	32	50	31.0	6	16	M6	27
	SRF 3x85	32 SRF	3	10	32	85	60.5	6	16	M6	27
	SRF 4x50	32 SRF	4	10	32	50	31.0	6	18	M6	27
	SRF 4x85	32 SRF	4	10	32	85	60.5	6	18	M6	27
	SRF 5x50	32 SRF	5	10	32	50	31.0	6	21	M6	27
	SRF 5x85	32 SRF	5	10	32	85	60.5	6	21	M6	27
	SRF 6x50	32 SRF	6	11	32	50	31.0	6	24	M8	27
	SRF 6x85	32 SRF	6	11	32	85	60.5	6	24	M8	27
	SRF 8x50	32 SRF	8	14	32	50	33.0	6	31	M10	27
	SRF 8x85	32 SRF	8	14	32	85	60.5	6	31	M10	27
	SRF 10x50	32 SRF	10	16	32	50	35.0	5	35	M12	27
	SRF 10x85	32 SRF	10	16	32	85	60.5	6	36	M12	27
	SRF 12x50	32 SRF	12	20	32	50	35.0	5	37	M14	27
	SRF 12x85	32 SRF	12	20	32	85	50.0	6	38	M14	27
ER32	**SRF 3x50 JET2**	32 SRF	3	10	32	50	31.0	6	16	M6	27
	SRF 3x85 JET2	32 SRF	3	10	32	85	60.5	6	16	M6	27
	SRF 4x50 JET2	32 SRF	4	10	32	50	31.0	6	18	M6	27
	SRF 4x85 JET2	32 SRF	4	10	32	85	60.5	6	18	M6	27
	SRF 5x85 JET2	32 SRF	5	10	32	85	60.5	6	21	M6	27
	SRF 6x50 JET2	32 SRF	6	11	32	50	31.0	6	24	M8	27
	SRF 6x85 JET2	32 SRF	6	11	32	85	60.5	6	24	M8	27
	SRF 8x50 JET2	32 SRF	8	14	32	50	33.0	6	31	M10	27
	SRF 8x85 JET2	32 SRF	8	14	32	85	60.5	6	31	M10	27
	SRF 10x50 JET2	32 SRF	10	16	32	50	35.0	5	35	M12	27
	SRF 10x85 JET2	32 SRF	10	16	32	85	60.5	6	36	M12	27
	SRF 12x50 JET2	32 SRF	12	20	32	50	35.0	5	37	M14	27
	SRF 12x85 JET2	32 SRF	12	20	32	85	50.0	6	38	M14	27

• Tightening torque: 24 kg × m

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

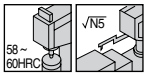
GTIN ER 32 - JIS

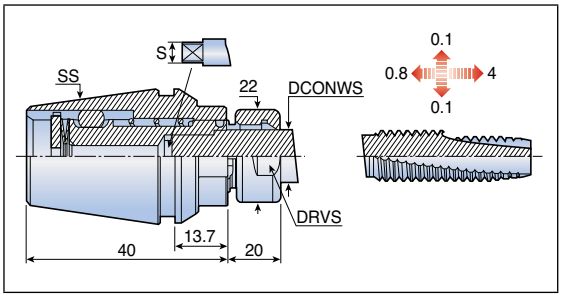
Designation		Dimension (mm)					
		SS	DCONWS	Tapmin	Tapmax	S	DRVS
GTIN ER32	JIS 3.00x2.50	ER32	3.0	M1	M2.6	2.5	20
	JIS 4.00x3.20	ER32	4.0	M3	M3.5	3.2	20
	JIS 5.00x4.00	ER32	5.0	M4	M4	4.0	20
	JIS 6.00x4.50	ER32	6.0	M6	M6	4.5	20
	JIS 6.20x5.00	ER32	6.2	M8	M8	5.0	20
	JIS 7.00x5.50	ER32	7.0	M10	M10	5.5	20
	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





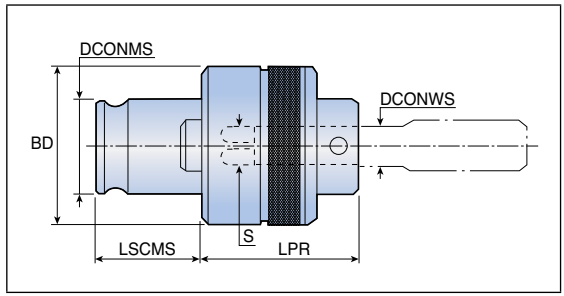
GTIN ER32 - ISO metric ISO 529/2283

Designation		Dimension (mm)					
		SS	DCONWS	Tapmin	Tapmax	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

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

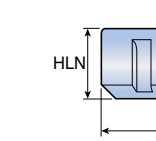
NUT ER TOP

ER - Top™ clamping nuts

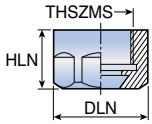
Designation	Dimension (mm)		
	DLN	HLN	THSZMS
NUT ER16 TOP	28	17	M22x1.5
ER20 TOP	34	19	M25x1.5
ER25 TOP	42	20	M32x1.5
ER32 TOP	50	22	M40x1.5
ER40 TOP	63	25	M50x1.5

NUT ER MINI/UM

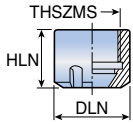
ER clamping nuts



ER 25, 32, 40, 50 UM



ER 16, 20 UM

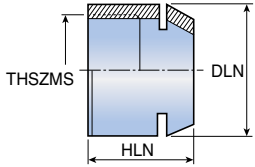


ER 11, 16, 20 MINI

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

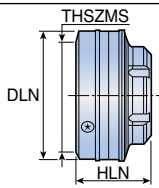
Tightening nuts



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

NUT ER TOP BIN

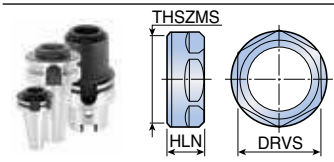
Balanceable ER top nuts



Designation	Dimension (mm)		
	DLN	HLN	THSZMS
NUT ER16 TOP BIN	44	36.0	M22x1.5
ER20 TOP BIN	50	37.0	M25x1.5
ER25 TOP BIN	58	37.5	M32x1.5

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

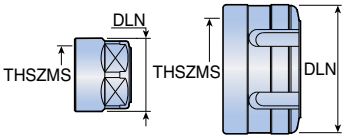
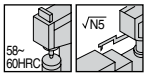


Fig.1 Fig.2

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



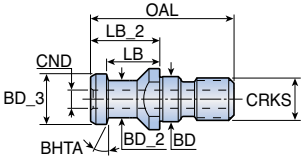


Fig.1

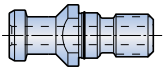


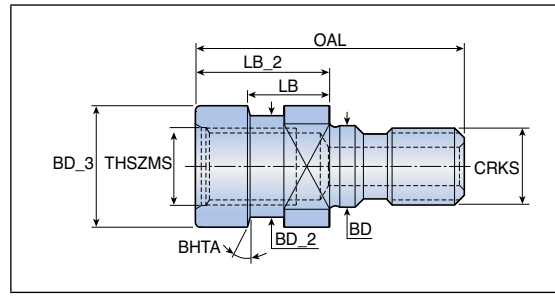
Fig.2

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

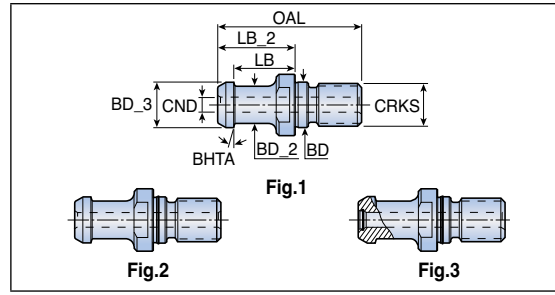


Fig.1

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
	BT50 15° M24 JIS O B	M24	25	21.00	28.00	8.0	25.00	34.0	74.0	15	2
	BT50 15° M24 JIS O B O	M24	25	21.00	28.00	8.0	25.00	34.0	74.0	15	3
	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

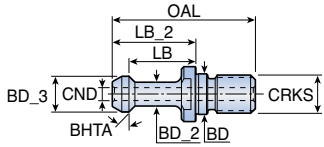


Fig.1

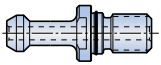


Fig.2

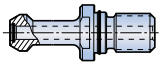


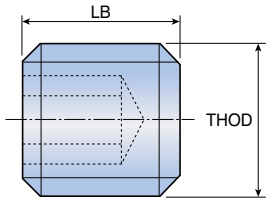
Fig.3

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
	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

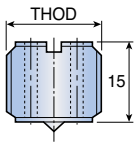


Fig.1

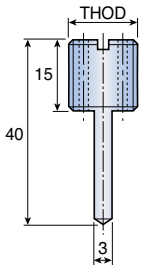
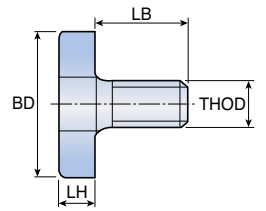


Fig.2

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

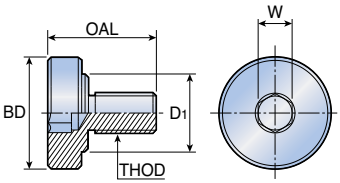
Lock screw DIN6367 for face mIll arbors



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

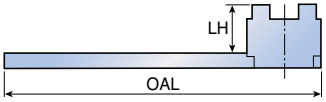


Designation		Dimension (mm)				
		THOD	BD	D_1	OAL	W
MBA	M8	M8x1.25	20	15	24	6
	M10	M10x1.5	28	18	28	8
	M12	M12x1.75	33	23	32	10
	M16	M16x2.0	40	23	40	14
	M20	M20x2.5	50	27	50	17
	M24	M24x3.0	65	37	60	19

• Wrench for MBA screw: L-W ☐☐

WRENCH M-SEMC

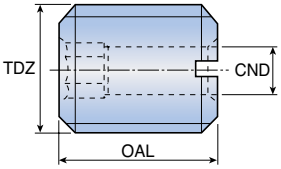
Wrench DIN6368 for combi shell end mill holders



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

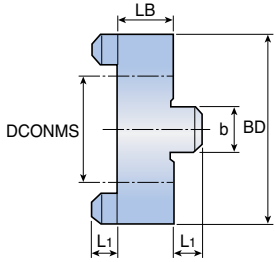
SRKIN thermal shrink collets



Designation		Dimension (mm)				
		TDZ	OAL	CND	Used for shanks	Hey key
PRESET SCREW	M5x20 B	M5	20	2.1	EM E / SRKIN	2.5
	M6x20 B	M6	20	2.5	EM E / SRKIN	3.0
	M8x20 B	M8	20	3.5	EM E / SRKIN	4.0
	M10x18 B	M10	18	4.5	EM E / SRKIN	5.0
	M12x18 B	M12	18	5.5	EM E / SRKIN	6.0
	M16x20 B	M16	20	7.5	EM E / SRKIN	6.0
	M16x25 B	M16	25	7.5	SRKIN	6.0
	M20x20 B	M20	20	6.0	EM E	6.0

D·RING SEMC

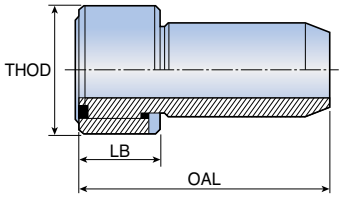
Driving ring DIN6366/1 for combi shell end mill holders



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

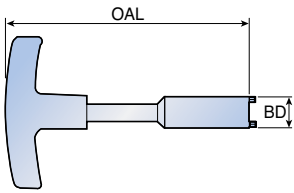
HSK A cooling tube



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

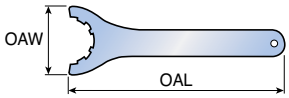


Designation		Dimension (mm)	
		BD	OAL
WRENCH COOL TUBE	**HSK A 50**	15.0	120
	HSK A 63	17.0	122
	HSK A 83	18.5	186
	HSK A 100	22.0	141

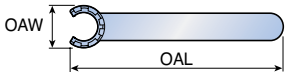
WRENCH ER-MINI/SHORT/CLICKIN

ER wrench

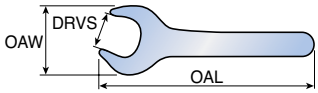
DIN6499



Wrench ER 25, 32, 40, 50



Wrench ER 11, 16, 20, 25 MINI

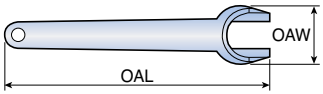


Wrench ER 11, 16, 20, SHORT, CLICKIN

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
	ER32 CLICKIN 27	57.0	27	239
	ER32 CLICKIN 32	67.0	32	273

WRENCH ER11 SMS

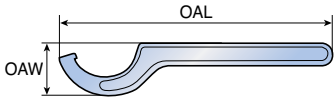
ER11 Tightening wrench



Designation		Dimension (mm)	
		OAW	OAL
WRENCH	**ER11 SMS**	22	100

SPANNER TMC

TMC 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

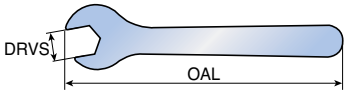


Fig.1

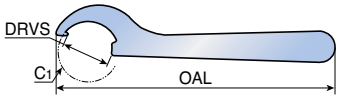
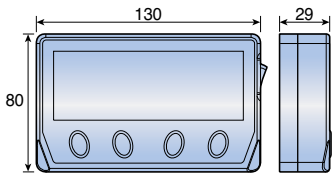


Fig.2

Designation	Dimension (mm)			Fig.
	DRVS	OAL	C1	
TSKS - 6	18.0	174	-	1
10	25.4	177	-	1
16	39.0	225	40	2
25	52.0	228	55	2

TJS TSD DISPLAY

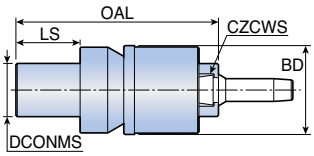
RPM speed display for TYPHOON high-speed spindles



Designation	Machines
TJS TSD DISPLAY	TTS spindles

IND ER11 TOOL ADAPTER

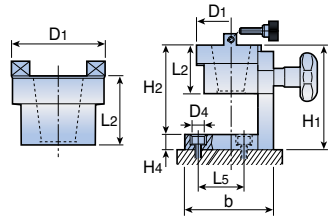
ER 11 shrink collet adapter for induction heating device



Designation	Dimension (mm)				
	CZCWS	BD	DCONMS	OAL	LS
IND ER11 TOOL ADAPTER	ER11	33.2	19.9	75.7	24

TOOL CLAMP-ROTARY/FIX

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

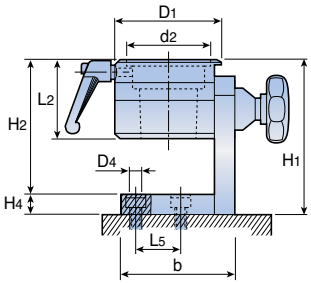


FIX ROTARY

Designation		Dimension (mm)								
		CSI	b	D1	D4	L2	H1	H2	H4	L5
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-E/F, A/C

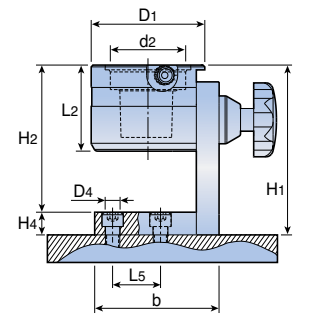
Tool clamp fixture rotary - For HSK shanks



Designation		Dimension (mm)									
		CSI	b	d2	D1	D4	L2	L5	H1	H2	H4
MULTI CLAMP	**40E/F**	40	144	40	113.2	12.5	70	40	133	114	19
	50E/F	50	144	50	113.2	12.5	70	40	133	114	19
	63E/F	63	144	63	113.2	12.5	70	40	133	114	19
	50 A/C	50	104	50	82.0	12.5	72	40	142	123	19
	63 A/C	63	104	63	95.0	12.5	72	40	142	123	19
	100 A/C	100	144	100	130.0	12.5	90	85	178	159	19

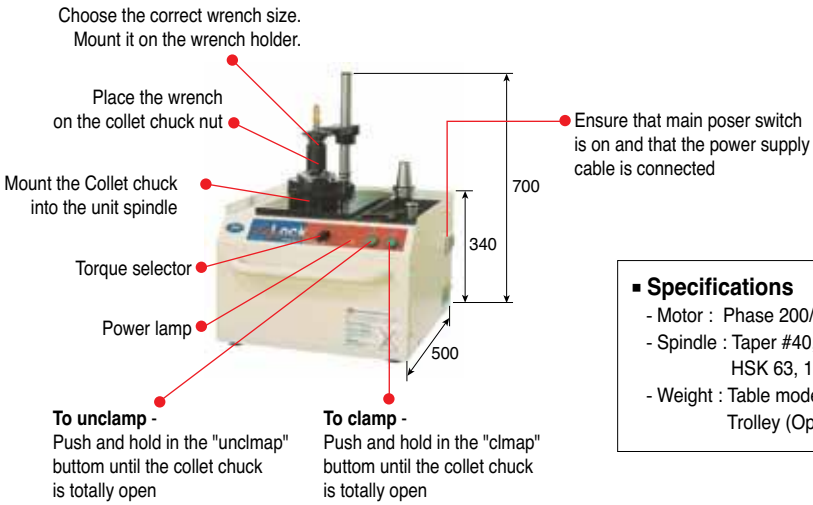
MULTI CLAMP C

C-ADAPTER rotary clamp



Designation		Dimension (mm)									
		SS	b	d2	D1	D4	L2	L5	H1	H2	H4
MULTI CLAMP	**C6**	63	104	63	95	12.5	72	40	142	123	19

EASYLOCK T.C EU



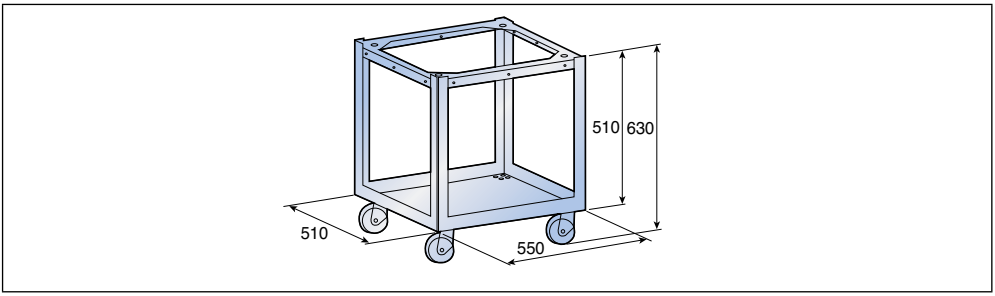
▪ Specifications

- 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



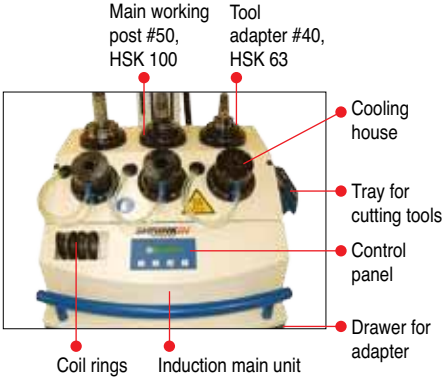
Designation	TaeguTec No.
EASYLOCK TROLLEY	4651109

IND SHRINKIN UNIT EUR

TSHRINK

Induction heating units

Technical specifications		
Clamping range	3-32mm	Carbide tool shank
Clamping range	6-32mm	
Main power supply	3×380 - 500V 50/60Hz	
Nominal power	13kW	
Nominal current	16 AMP	
Cooling unit power supply	220V 50Hz	
Nominal power	0.5kW	
Max. tool length	440mm (From gauge line)	
Max. dia. clamping chuck	52mm	
Effective induction field length	45mm	
Expansion time	5-12 seconds	
Cooling time	50-90 seconds	
Weight	150kg	
Overall dimensions	170×73×60cm	



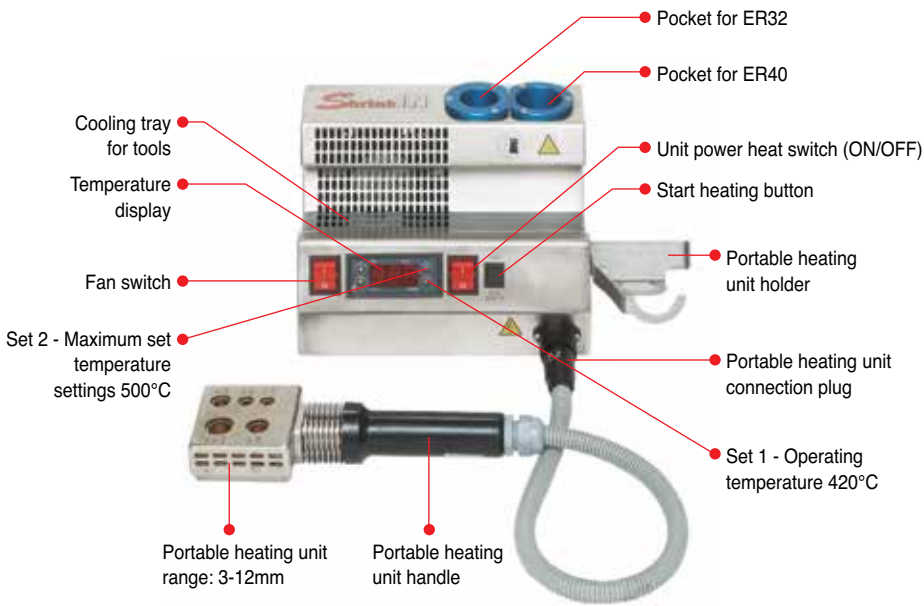
INDUCTION starter unit
4654106 IND SHRINK START UNIT EUR
• One working post without cooling unit

TaeguTec No.	Designation	Includes
4652264	**IND SHRINKIN UNIT EUR**	Induction unit, cooling unit, trolley, three tool adapters

Cooling sleeves		Used for
IND COOLING COLLET	**6-8**	SRKIN
	10-12	SRKIN
	14-16	SRKIN
	18-20	SRKIN
	ER 3-5	SRK
	ER 6	SRK
	ER 8	SRK
	ER 10	SRK
	ER 12	SRK

Optional tool adapter for HSK
IND 32 HSK TOOL ADAPTER
40 HSK TOOL ADAPTER
50 HSK TOOL ADAPTER(1)
63 HSK TOOL ADAPTER
80 HSK TOOL ADAPTER

• (1) For taper #30



▪ T-SHRINK thermal electric unit

TaeguTec No.	Designation
4651950	**SHRINKIN UNIT V2 EUR**

220V 50/60 HZ
- Unit includes heating handle 220V V2.0
- Available for ER…SRK, ER…SRF collet

▪ Portable heating unit handle

TaeguTec No.	Designation
4651952	**HEATING HANDLE 220V V2**

▶ T-SHRINK / ER32 collet set and kit

▪ ER32 T-SHRINK set 6 collets (4-12)

Designation	Collet size
SET ER32 SRK S 6 EUR	4, 5, 6, 8, 10, 12
SRK M 6 EUR	4, 5, 6, 8, 10, 12
SRK L 6 EUR	4, 5, 6, 8, 10, 12

▪ T-SHRINK thermal electric unit kit with ER32 T-SHRINK 6 pieces collet set (4-12)

Designation	Power supply	Collet size
KIT SHRINKINS V2 EUR	220V 50/60 HZ	4, 5, 6, 8, 10, 12
M V2 EUR	220V 50/60 HZ	4, 5, 6, 8, 10, 12

Technical Data

Sealed 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
- In sealed collet JET2 the nozzle must be adjusted directly to the flute of the cutting tool
- Suitable for all shank standards

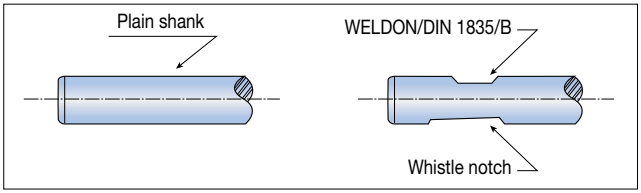
TaeguTec ER coolit sealed collet

■ Two types:

Sealed collet JET
For straight shank cutting tools with internal coolant supply

Sealed collet JET 2
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

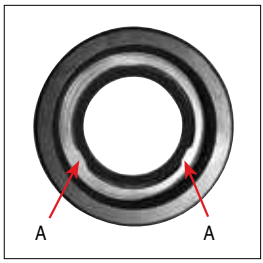
- Unique two piece friction bearing
- Radial and angular float for better concentricity
- Powerful gripping force, 50-100% higher than standard ER nut due to the friction bearing mechanism
- Balanced for higher spindle speed due to unique extractor teeth design
- Compact design: General dimensions and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

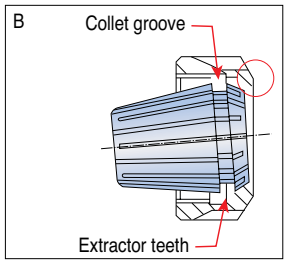
■ Operation

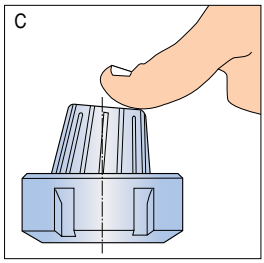
To insert collet: Always assemble the collet into the nut before mounting onto the collet chuck.

■ 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

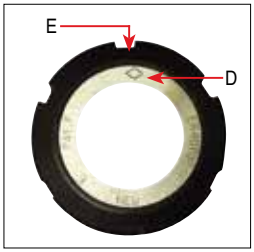
- Extracting procedure

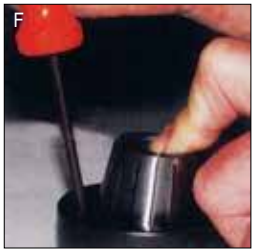
❶ Align the diamond-shaped engraved logo which is on the silver ring (D) to any of the key slots (E) of the nut.

❷ Place the nut with the collet facing down on a clean and horizontal work surface.

❸ Insert a screwdriver vertically between the nut slots and the collet - on the reverse side of the diamond shaped engraved logo (D).

❹ 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
(Provided with the set)

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)

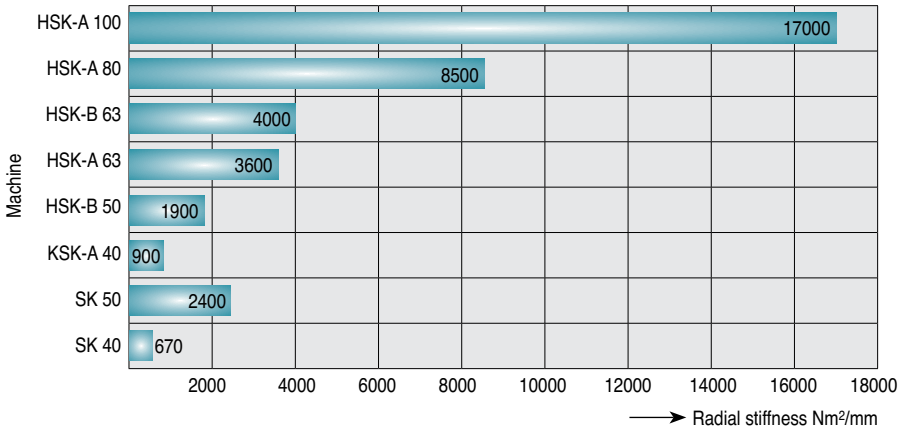
❸ Pluck out the assembly device (a) from the remaining part (b+c)

Technical Data

HSK (DIN69893) system

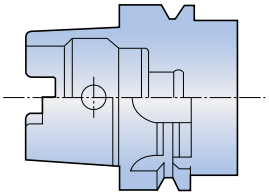
- Features
  - DIN standard
  - For high speed machining
  - Size: #32, 40, 50, 63, 100
  - For A.T.C. & manual machine
  - Double face contact
  - High stiffness

Radial stiffness of different machine tool interface

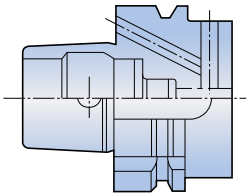


Type

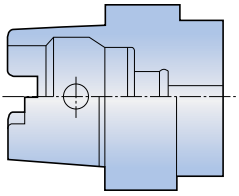
- A type: Automatic tool change



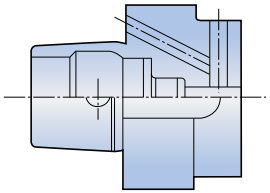
- B type: With coolant through face



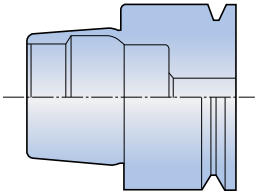
- C type: Manual clamp



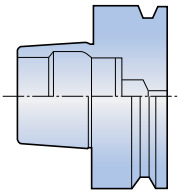
- D type: With coolant through face



- E type: Super high speed



- F type: Ultra high speed

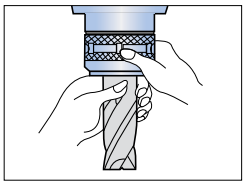


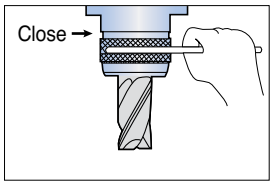
Milling chuck

■ Exceptional gripping power and simple operation

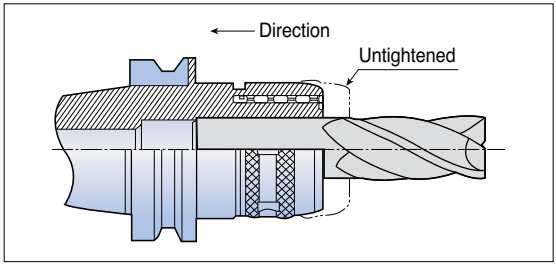
- Torque

Type	Torque (kgf•m)
TMC 25	160
TMC 32	300
TMC 42	500



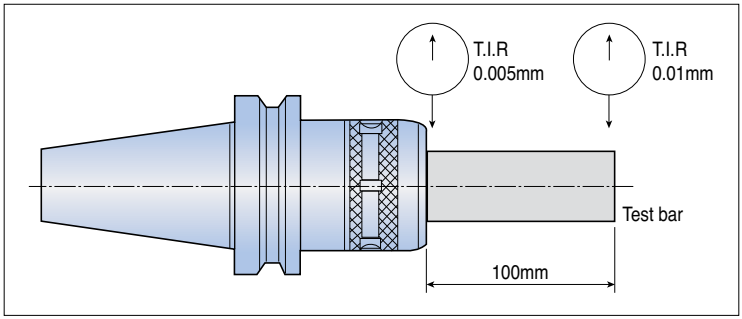


Tighten slightly when collar
is close to body (Avoid hammering)



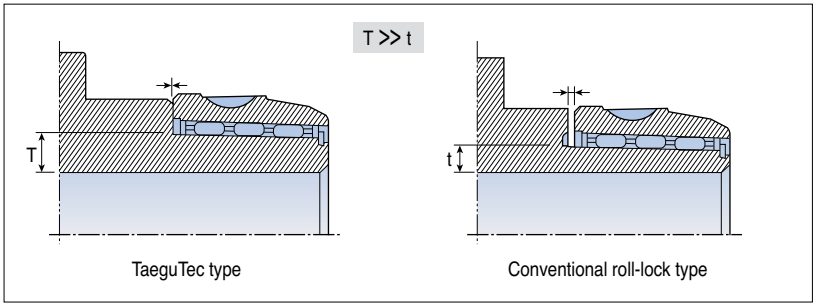
■ Improved accuracy prolongs tool life

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



Technical Data

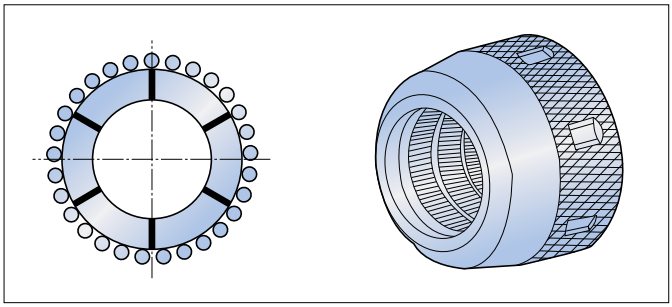
- Improved rigidity
  Improved rigidity and body stiffness is achieved by maximising body thickness.
  This is again achieved via the laser machined spiral slit.



- Excellent durability
  Excellent durability through dispersing surface pressure on the roller by maximizing number of rollers in the retainer

Type	TaeguTec	A Co.	B Co.
Ø32	60	55	60
Ø42	75	72	72

< Number of rollers in one row >



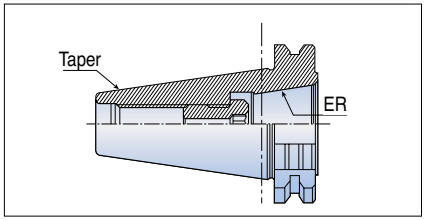
Quick-change system

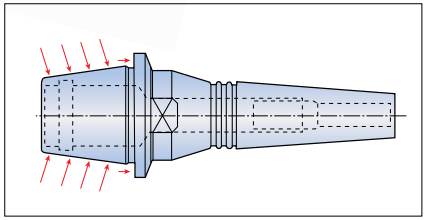
■ DIN 69871
HSK
BT MAS 403

■ T-CLICK advantages
- Taper and face contact
- Ideal for high speed machining
- High precision: Low run-out
- Excellent rigidity
- Quick and easy clamping

■ Quick-change advantages
- Quick tool change: The taper shank and the holder connect in a quick half turn
- No thermal shock on holder taper
- Flexibility in diameter and length
- Eliminates the use of extension chuck
- No spare parts required
- T-CLICK blanks available to provide custom made tooling
- Shrink clamping for solid carbide tooling
Tightening torque: 235N•m

G2.5
20,000 RPM





Balanceable collet chuck system

DIN 69871
HSK
BT MAS 403

- Direct reading precision rings for high grade balance
- Simple procedure on all types of balancing machines
- Static and dynamic balance

■ Operating instructions

The following procedure should be adjusted according to the specific type of balancing machine being used.

❶ Loosen the 3 locking screws on the angle reference ring (blue).
Align the two balancing rings (gold-colored) to the '0' position on the angle reference ring.
After the rings are all aligned, tighten the 3 locking screws.

❷ Insert the collet chuck into the spindle and tighten it using the pull stud.
Insert the cutting tool into the collet chuck, adjust to desired projection and clamp it.

❸ Enter the required parameters on the balancing machine: balancing grade (G..), RPM, etc.

❹ Run a test with the assembled collet chuck on the balancing machine.
Read the results for the unbalance angle orientation and the gr x mm unbalance value.

❺ Loosen the 3 locking screws on the angle reference ring and align the two balancing rings with the measured unbalance value. Rotate both balancing rings to the unbalance angle on the angle reference ring (or to the laser mark on balancing machines with a laser indicator). Tighten the locking screws.

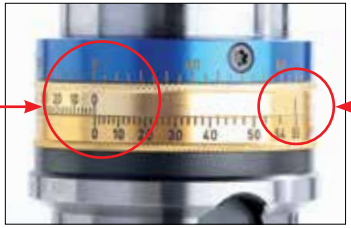
❻ Run a second test with the assembled collet chuck and read the results.

- Note: The reading should be within tolerance or very close.

■ If the necessary balance on the machine has been achieved, the tool is ready for operation.
If the balance is out of tolerance, one of the following procedures should be performed:

- First option
  a) IF unbalance is within 0-3 gr x mm and within ± 20° from original angle,
  THEN increase the original value of gr x mm on the balancing rings according to the reading on the machine, without changing the original angle position.
- Second option
  a) IF unbalance is within 0-3 gr x mm at an angle of approximately 180° from original angle,
  THEN decrease the original value of gr x mm on the balancing rings according to the reading on the machine without changing the original angle position.
- Third option
  a) IF unbalance is less than 1 gr x mm at an angle between 20° to 90° from the original angle,
  THEN rotate both balancing rings approximately 5° towards the indicated direction.
- Fourth option
  a) On some balancing machines it is possible to adjust the unbalance by rotating the peak point marked on the balancing rings to the required angular position.

"0" position balance to G2.5 20K



Peak point

Hydraulic chuck

■ Features & advantages
- Consistent gripping force
- Excellent accuracy (Run-out : within 5㎛)
- Convenient and safe tool change using a clamping screw
- Can use THC straight collets (Normal & coolant type)

■ Application
- Accurate machining
  a) Fine milling, reaming, fine boring
- Drilling: Small diameter using carbide drill
  a) For Al or Cast iron

■ Operation
- Tool mounting
  a) Insert the tool shank between Lmax and Lmin (Fig 1.) and then, turn the clamping screw clockwise until it can no longer rotate.
- Tool releasing
  a) To release the tool from the hydraulic chuck, turn the clamping screw in a counter clock-wise direction approximately 5 or 6 evolutions and remove the tool shank.
- Notice
  a) Eliminate grease, coolant oil and any dirt from the internal bore of the hydraulic chuck and tool shank prior to mounting.
  b) Ensure the minimum chucking length (Lmin) is maintained. (see Fig 1. & Table 1.)
  c) Cylindrical tool shanks available in accordance with h6 tolerance (Table 2.) and Ra min =0.3㎛ (ground) and weldon shanks should be used in collet only.
  d) Remove the end tool from the hydraulic chuck when not in use for long periods of time.
  e) Do not turn the clamping screw prior to tool mounting in the hydraulic chuck.

* Please refer to the backface for information tables.

Figure 1. Tool structure

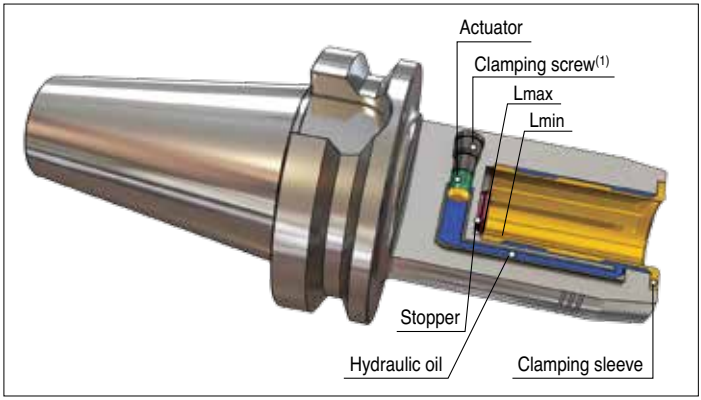


Table 1. Recommended minimum & maximum depth (L) of end tool insertion

Inner bore 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
20	42.5	52.5
25	51.0	61.0
32	55.0	65.0

Table 2. h6 tolerance range

Shank size Ø (mm)		h6 tolerance range (㎛)
	3	0
		-6
3	6	0
		-8
6	10	0
		-9
10	18	0
		-11
18	30	0
		-13
30	50	0
		-16

Table 3. Clamping torque

Inner bore diameter Ø (mm)	Clamping torque (N•m)
6	10
8	25
10	40
12	65
14	90
16	120
20	240
25	260
32	450

Thermal T-SHRINK chucking system

T-SHRINK chucking system

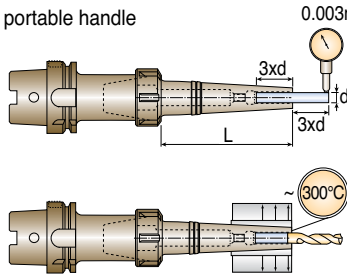
The thermal T-SHRINK ER collet chucking system is an enhancement to the existing popular ER system. The T-SHRINK collets utilize the thermal shrink phenomena for rigid clamping of solid carbide cutters. This new system provides higher torque, precision runout and better repeatability. The T-SHRINK collets 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.

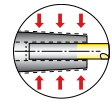
■ For carbide tools only

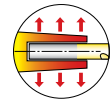
L(mm)	Max. T.I.R
35	7㎛
60	9㎛
85	10㎛

■ Features

- Slim design to maximize effectiveness and application access
- Flexible: Fits into standard ER chucks
- High torque transfer
- Rigid clamping of carbide tools
- High precision: Low run-out
- Perfect repeatability
- Vibration damping
- Coolant JET2 available
- Symmetrical design for high speed machining
- Quick and easy tool changing
- Unique T-SHRINK heating unit with portable handle







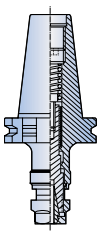
GTI-Tap attachment

■ Description

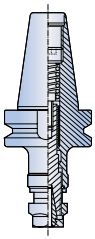
Short tap chucks for ER collets

■ Application

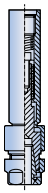
Axial-float/tension/compression type for CNC milling machines and lathes with reversing motors and rigid tapping



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

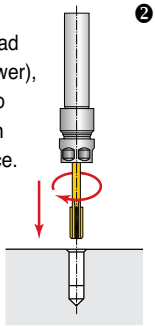
■ Advantages

- 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

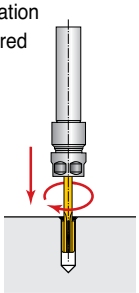
■ Operation

For through and blind hole tapping

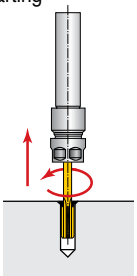
❶ Enter feed rate according to thread pitch (or 1-2% lower), and set spindle to starting point with 0.08mm clearance.



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



❸ Stop feed and rotation and reverse to starting point.



Adjustable rotary toolholder indexable insert drills

■ Application

For use on machining centres and drilling machines

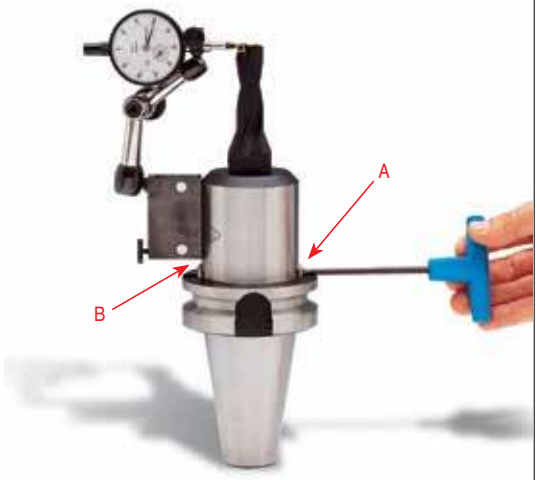
■ Features

- Diameter adjustment range – 0.30mm to +1.30mm
- Guaranteed bore tolerance of ±0.02mm
- Through the shank coolant design or “type B” coolant through the flange
- Coolant pressure up to 70 bar

■ Operation

Best results are achieved on a preset machine or similar device.

- Adjust with screws A or B. Preset should be made on a pre-setter to minus 0.3mm on required diameter
- Tighten the clamp screws A and B
- On the machine, make a test cut, measure the bore diameter and then adjust to required diameter
- Final adjustment to the desired diameter can be made on the machine with dial indicator or on the pre-setter



GYRO - Radial and angular alignment of toolholder

■ Advantages
- Easy adjustment for correcting misalignment between chuck and turret axis (drill and workpiece)
- Precise and efficient tool clamping with ER collets and ER sealed coolit jet collets
- Quick functional adjustment is made on machine by using plug and ring gauge kit

■ Operation
Operating instructions are included with each tool supplied.

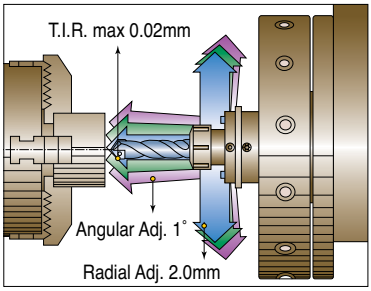
■ Notes
- Coolant supply should be minimum 10 bar and maximum 80 bar for small diameter oil hole drills
  : Ranging from 3-20mm (the normal machine pressure of 4 bar is insufficient)
- Coolant filtration is important to eliminate chips from blocking the drill oil hole
- To ensure maximum performance of the GYRO, the backlash of the turret indexing and support axis mechanism should be checked and re-adjusted according to the machine standard

GYRO - Radial and angular alignment of toolholder

Adjustable toolholder for easy adjustment of radial and angular misalignment

■ Application
Gyro is a rugged and adjustable toolholder to solve drilling, tapping and reaming problems encountered on CNC and turret lathes. Its unique design allows smooth and easy adjustment of radial and angular misalignment between chuck and turret.
Gyro reduces total machining time by making it possible to complete machining of holes in one drilling step and achieve tolerances as close as 0.01mm, thereby eliminating subsequent boring or reaming operations.
- A breakthrough in drilling technology for CNC lathes
- Dramatic increase in tool performance at reduced cost

■ Features
- Enables high precision drilling to a close tolerance of 0.01mm, to be performed as a final boring operation on CNC lathes
- Reduces machining cycle time by completing the bore in one drilling step, eliminating secondary turning and boring operations
- Prolongs tool life tenfold, especially when using HSS, solid and brazed carbide drills, taps and reamers
- Permits increase in speeds and feeds by up to 300%
- Coolant supply through the centre of the unit via the tool shoulder for oil fed drilling



INDUSTRY4.0