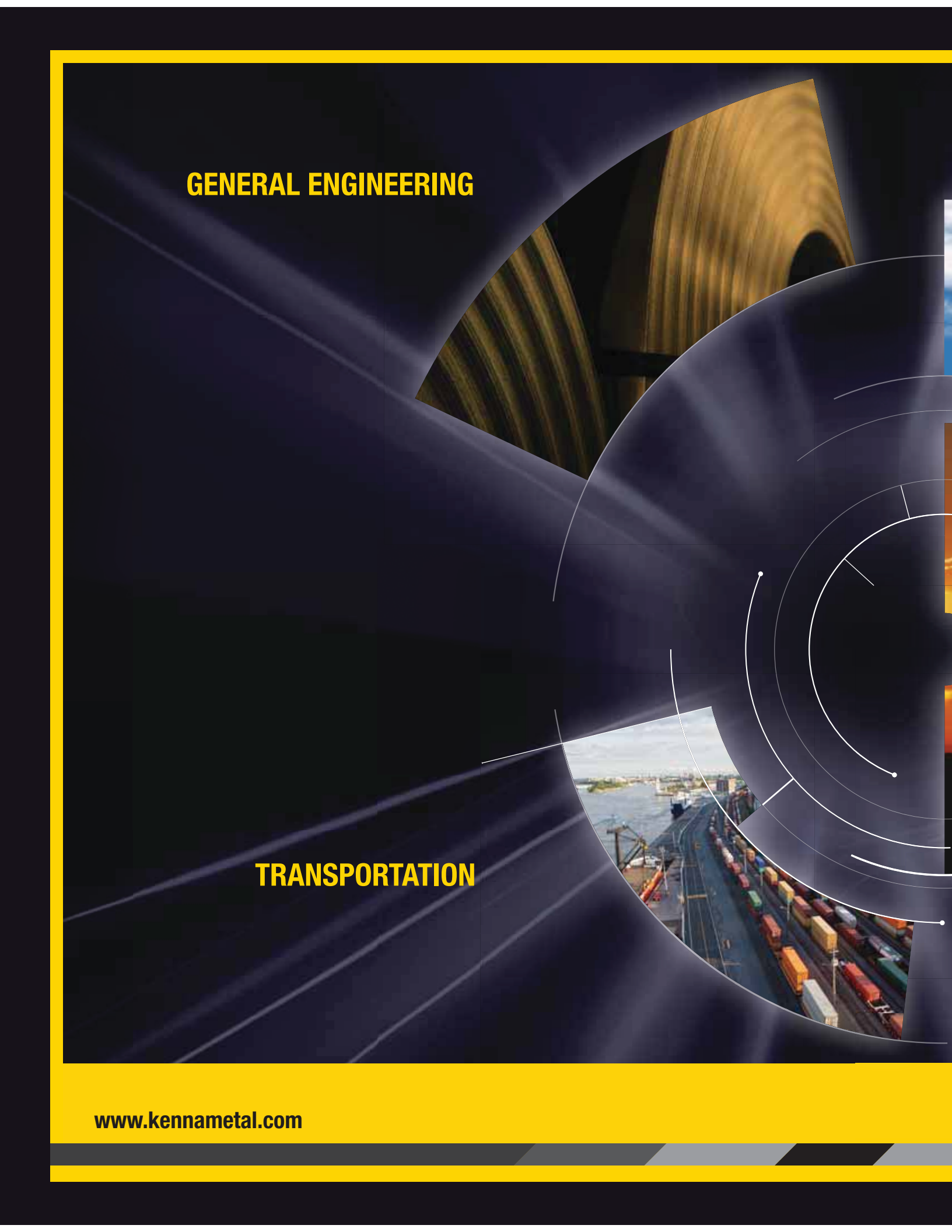


INNOVATIONS
MASTER CATALOG

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2013

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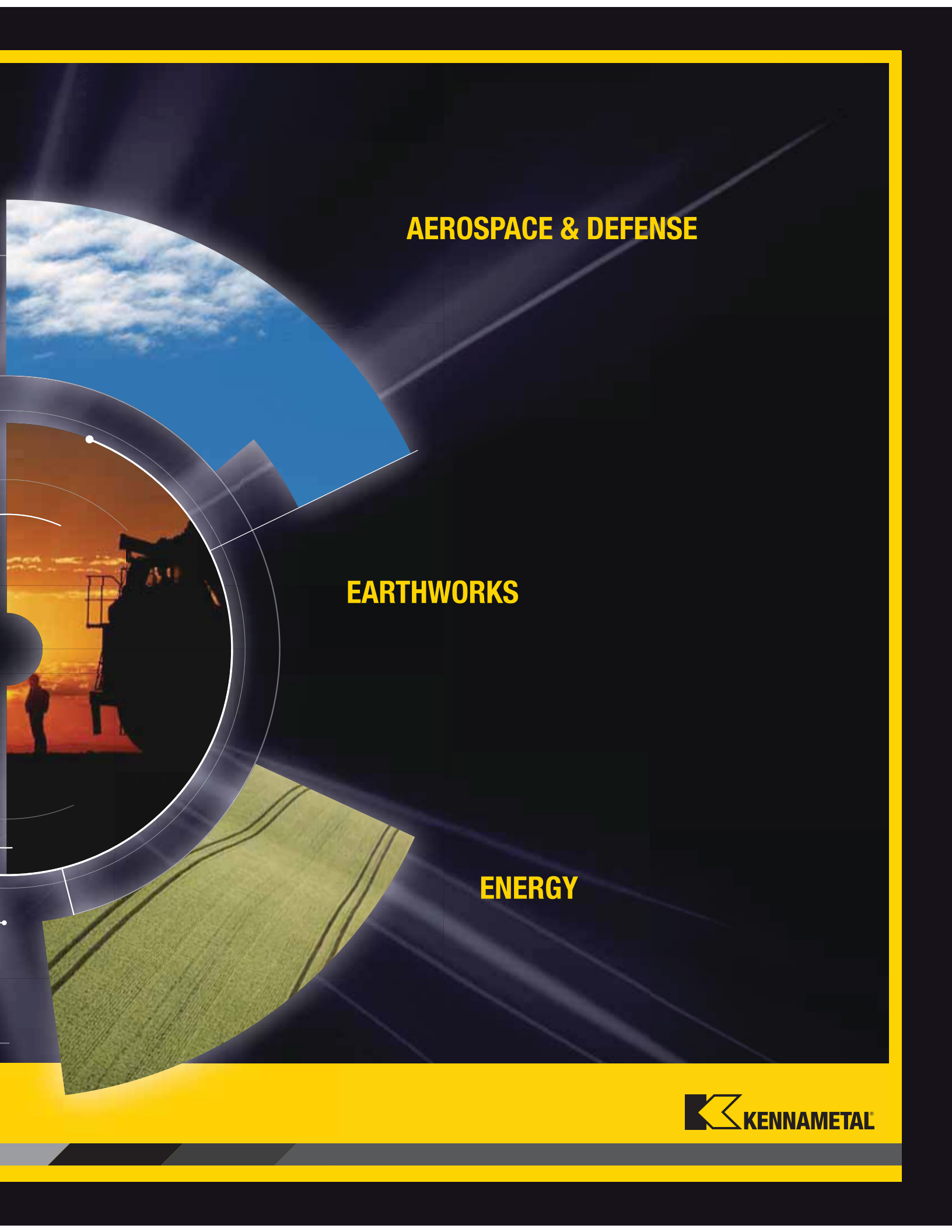




GENERAL ENGINEERING

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AEROSPACE & DEFENSE

EARTHWORKS

ENERGY



BT Shank Tools

BT30		E2-E18
BT40		E20-E60
BT50		E62-E95



ERICKSON™ BT V-Flange Shank Tooling System • BT30 Series

Primary Application

ERICKSON V-Flange BT Taper Tooling is manufactured from premium materials and meets or exceeds the latest JIS B 6339 specification and ISO-1947 taper accuracy of AT3 specification standards. The BT30 tools are either pre-balanced to a high specification or balanced-by-design. For high speed applications Kennametal recommends that the complete toolholder assembly (toolholder, retention knobs, collets, hardware, and cutting tools) be balanced as one entity. Exact RPM limits can only be determined by considering machine and spindle configurations in conjunction with tooling design and safety limits factored as a complete system.

Features and Benefits

- JIS B 6339 7/24 taper.
- Standard M12 metric drawbar thread.
- Taper accuracy of AT3 specification or better.
- Maximum 100 bar (1,500 psi) coolant pressure.



BT — JIS B6339 Shank

NOTE: Inherent balance conditions — all features are symmetrical.

How Do Catalog Numbers Work?

Each character in our catalog number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



BT40BER40120M

BT

Shank
Style

JIS
6339

40

Shank
Taper
Size

30 = 30
40 = 40
50 = 50

B

Special Feature
(optional)

B =
DIN form B coolant
feature, tool shipped
to AD specifications
(design allows conversion
to form B style)

(blank) =
(no "B" or "Z") — tool built
to form A/AD coolant style

CH =
Coolant form AD —
high pressure

HPV =
High performance
and balanceable

TD =
Tunable

ER

Toolholder
Style

40

Toolholder
Size

120

Tool
Length

(Taper gage line to
front of tool)

metric
xxx = xxx

inch
xxx = x.xx

M

Identification
Value

M =
Tool built to metric values and has metric
retention thread

TG =
Collet series xx (50), xxx (100)

EM =
I.D. size: metric — xx = xx, (20);
inch — xxx = x.xx, (075)

SM =
O.D. size: metric — xx = xx, (20);
inch — xxx = x.xx, (075)

BB = Bar blank

DA = Double-angle collet chuck

DC = Drill chuck

EM = End mill adapter

ER = DIN 6499 single-angle collet chuck

HC = Hydraulic chuck — Standard Line

HCB = Hydraulic chuck — Basic Line

HCSL = Hydraulic chuck — Slim Line

HCSLT = Hydraulic chuck — Slim Line — Trend

HCT = Hydraulic chuck — Trend Line

HPMC = Bearing milling chuck — high performance

HSK = HSK adapter

JT = Jacobs taper adapter

KM = KM™ adapter

KR = Romicon boring adapters

MT = Morse taper adapter

RC = Rapid Change — T&C tapping adapter chuck

SA = Slotting cutter adapter

SER = DIN 6499 single-angle collet chuck — short with internal locknut

SFTT = **SAFE-LOCK™** Shrink Fit thermo toolholder

SM2C = Shell mill adapter with coolant and small diameter

SMC = Shell mill adapter with coolant

SS = Adapter for straight shanks (drills)

SSF = Adapter for straight shanks with flat (drills)

ST = Screw-on adapters

STRC = Rapid Change — solid tapping adapter chuck

SWN = Whistle Notch™ 2° — short — (not to DIN standard)

TA = Tap chuck adapter

TCRC = Rapid Change — T&C tapping adapter chuck

TG = Tremendous Grip single-angle collet chuck

TGF = Tremendous Grip single-angle collet chuck — flush face

TT = Shrink Fit thermo toolholder

TTHT = Shrink Fit thermo toolholder — high torque

WD = Whistle Notch with drive

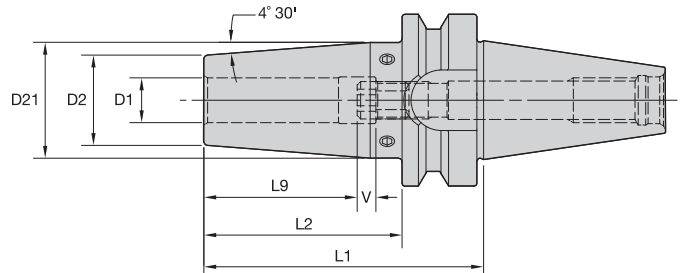
WN = Whistle Notch (2° metric; 5° inch)

BT30 Shank Tools

Shrink Fit Toolholders General Purpose (GP)



- Balanceable — fine tune with optional M6 set screws.
- Suitable for carbide and HSS cutting tools (requirements below).



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
6	h6	0,000/-0,008
8 & 10	h6	0,000/-0,009
12, 14, 16, & 18	h6	0,000/-0,011
20	h6	0,000/-0,013

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■ TT GP HPV MM-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	kg
3782116	BT30HPVTT06075M	6	21	27	75	53	26	10	TTSS05014M	2,5mm	0,56
3782117	BT30HPVTT08075M	8	21	27	75	53	26	10	TTSS06014M	3mm	0,55
3782118	BT30HPVTT10075M	10	24	31	75	53	31	10	TTSS08014M	4mm	0,60
3615348	BT30HPVTT12075M	12	24	31	75	53	36	10	TTSS10014M	5mm	0,58
3615349	BT30HPVTT14075M	14	27	34	75	53	36	10	TTSS10014M	5mm	0,63
3615350	BT30HPVTT16075M	16	27	34	75	53	39	10	TTSS12014M	6mm	0,60
3615351	BT30HPVTT18090M	18	33	41	90	68	39	10	TTSS12014M	6mm	0,84
3615352	BT30HPVTT20090M	20	33	41	90	68	41	10	TTSS16014M	8mm	0,81

(continued)

(TT HPV Form B/AD continued)

Cutting Tool Shank Requirements
inch (industry standard)

cutting tool shank diameters	tolerance
1/4, 5/16, & 3/8	.0000/- .0004
7/16, 1/2, 9/16, 5/8, & 11/16	.0000/- .0004
3/4	.0000/- .0005

■ TT HPV IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	lbs
3782119	BT30HPVTT025295	1/4	.83	1.06	2.95	2.09	1.02	.39	TTSS05014M	2,5mm	1.23
3782120	BT30HPVTT031295	5/16	.83	1.06	2.95	2.09	1.02	.39	TTSS06014M	3mm	1.22
3782121	BT30HPVTT038295	3/8	.95	1.22	2.95	2.09	1.22	.39	TTSS08014M	4mm	1.32
3782122	BT30HPVTT044295	7/16	.95	1.22	2.95	2.09	1.42	.39	TTSS10014M	5mm	1.30
3615343	BT30HPVTT050295	1/2	.95	1.22	2.95	2.09	1.42	.39	TTSS10014M	5mm	1.27
3615344	BT30HPVTT056295	9/16	1.06	1.34	2.95	2.09	1.42	.39	TTSS10014M	5mm	1.37
3615345	BT30HPVTT062295	5/8	1.06	1.34	2.95	2.09	1.54	.39	TTSS12014M	6mm	1.33
3615346	BT30HPVTT068354	11/16	1.30	1.61	3.54	2.68	1.54	.39	TTSS12014M	6mm	1.87
3615347	BT30HPVTT075354	3/4	1.30	1.61	3.54	2.68	1.61	.39	TTSS16014M	8mm	1.81

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Shrink Fit technical section, see page M78.

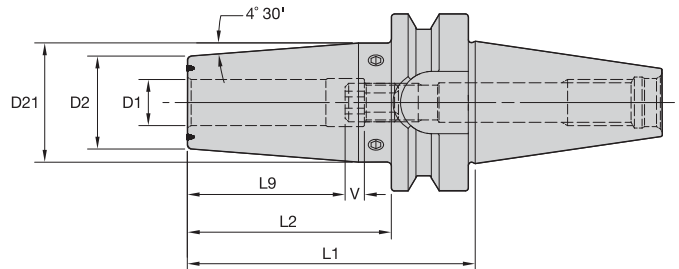
Supplied with stop screw.

Adjusting stop screw gage, see page M81.

Optional M6~1.0P x 5mm lg fine-balancing screw set (10 pieces) is available. Order number is MS1276PKG and must be ordered separately.

For retention knobs, see page L45.

- 30–50% higher clamping torque compared to GP line.
- Balanceable — fine tune with optional M6 set screws.
- Suitable for carbide only, designated by groove in front face (requirements below).
- 10 kW power or greater Shrink Fit device must be used.



**Cutting Tool Shank Requirements
metric (ISO standard)**

cutting tool shank diameter	tolerance	
12, 14, 16, & 18	h6	0,000/-0,011
20	h6	0,000/-0,013

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■ TT HT HPV MM-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	kg
3615439	BT30HPVTHT12075M	12	24	31	75	53	36	10	TTSS10014M	5mm	0,58
3615440	BT30HPVTHT14075M	14	27	34	75	53	36	10	TTSS10014M	5mm	0,63
3615441	BT30HPVTHT16075M	16	27	34	75	53	39	10	TTSS12014M	6mm	0,60
3615442	BT30HPVTHT18090M	18	33	41	90	68	39	10	TTSS12014M	6mm	0,84
3615443	BT30HPVTHT20090M	20	33	41	90	68	41	10	TTSS16014M	8mm	0,81

**Cutting Tool Shank Requirements
inch (industry standard)**

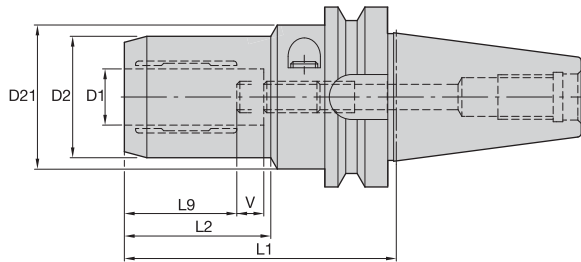
cutting tool shank diameters	tolerance
1/2, 9/16, 5/8, & 11/16	.0000/- .0004
3/4	.0000/- .0005

■ TT HT HPV IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	lbs
3615434	BT30HPVTHT050295	1/2	.95	1.22	2.95	2.09	1.42	.39	TTSS10014M	5mm	1.27
3615435	BT30HPVTHT056295	9/16	1.06	1.34	2.95	2.09	1.42	.39	TTSS10014M	5mm	1.37
3615436	BT30HPVTHT062295	5/8	1.06	1.34	2.95	2.09	1.54	.39	TTSS12014M	6mm	1.33
3615437	BT30HPVTHT068354	11/16	1.30	1.61	3.54	2.68	1.54	.39	TTSS12014M	6mm	1.87
3615438	BT30HPVTHT075354	3/4	1.30	1.61	3.54	2.68	1.61	.39	TTSS16014M	8mm	1.82

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.
Shrink Fit technical section, see page M78.
Supplied with stop screw.
Adjusting stop screw gage, see page M81.
Optional M6~1.0P x 5mm lg fine-balancing screw set (10 pieces) is available. Order number is MS1276PKG and must be ordered separately.
For retention knobs, see page L45.



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■ HC Trend MM-BT Form AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	actuation wrench	wrench size actuation screw	stop screw	stop screw wrench	wrench size stop screw	kg
2255463	BT30HCT06075M	6	25,7	32	75	35	27	10	170.135	5mm	571.061	170.003	3mm	0,59
2255464	BT30HCT08075M	8	27,7	32	75	35	27	10	170.135	5mm	571.061	170.003	3mm	0,61
2255465	BT30HCT10080M	10	29,7	32	80	38	31	10	170.135	5mm	571.061	170.003	3mm	0,63
2255466	BT30HCT12085M	12	31,6	32	85	40	36	10	170.135	5mm	571.061	170.003	3mm	0,69
2255467	BT30HCT14100M	14	33,6	50	100	46	36	10	170.135	5mm	571.063	170.005	5mm	1,00
2255468	BT30HCT16100M	16	37,6	50	100	47	39	10	170.135	5mm	571.063	170.005	5mm	1,06
2255469	BT30HCT18100M	18	39,6	50	100	47	39	10	170.135	5mm	571.063	170.005	5mm	1,09
2255470	BT30HCT20100M	20	41,6	50	100	48	41	10	170.135	5mm	571.063	170.005	5mm	1,11

■ HC Trend IN-BT Form AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	actuation wrench	wrench size stop screw	stop screw	stop screw wrench	wrench size stop screw	lbs
2259953	BT30HCT025295	1/4	1.01	1.25	2.95	1.38	1.06	.39	170.135	5mm	571.061	170.003	5mm	1.30
2259954	BT30HCT038315	3/8	1.17	1.25	3.15	1.57	1.22	.39	170.135	5mm	571.061	170.003	5mm	1.44
2259955	BT30HCT050335	1/2	1.24	1.25	3.35	1.69	1.42	.39	170.135	5mm	571.061	170.003	5mm	1.51
2259956	BT30HCT062394	5/8	1.48	1.96	3.94	1.83	1.54	.39	170.135	5mm	571.063	170.005	5mm	2.36
2259957	BT30HCT075413	3/4	1.64	1.96	4.13	1.89	1.61	.39	170.135	5mm	571.063	170.005	5mm	2.64

NOTE: Do not overtorque actuation screw. Tighten by hand until stop is felt.

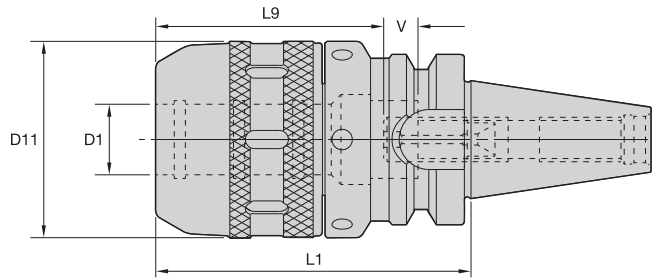
Hydraulic chuck technical section, see page M84.

Supplied with stop screw.

Actuation wrench must be ordered separately.

Reduction sleeves are available and must be ordered separately; see page J2.

For retention knobs, see page L45.



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■ HPMC MM-BT Form AD

order number	catalog number	D1	D11	L1	L9	V	locknut wrench	stop screw	wrench size stop screw	kg
3578486	BT30HPMC20085M	20	53	85	55	20	PSW52M	MCSS12030M	2,5mm & 5mm	1,00

■ HPMC IN-BT Form AD

order number	catalog number	D1	D11	L1	L9	V	locknut wrench	stop screw	wrench size stop screw	lbs
3100411	BT30HPMC075335	3/4	2.09	3.35	2.17	.59	PSW52M	MCSS12030M	2,5mm & 5mm	2.50

NOTE: Milling chuck technical section, see page M88.

Supplied with locknut and stop screw.

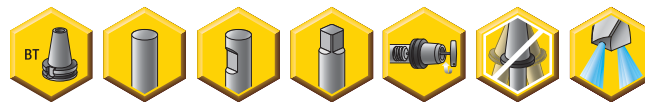
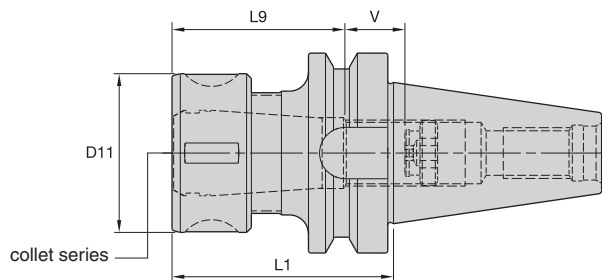
Locknut wrench not included.

Optional M6~1,0P fine-balancing screw set is available (order number HPMCBALSCREWSET) and must be ordered separately; see page L14.

Reduction sleeves are available and must be ordered separately; see page J6.

For retention knobs, see page L45.

- Tremendous Grip (3:1 advantage).



TG collet series	Collet Capacity		mm		inch	
	min	max	min	max	min	max
TG75	2,6	20,0	3/64	3/4		

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■ TG Round-BT Form AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
1156351	BT30TG075075M	TG75	50	75	55	17	LNA075M	HSW45M	136	SS081041G	4mm & 5/32	0,60

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.

Collet chuck technical section, see page M98.

Supplied with locknut and stop screw.

Locknut wrench must be ordered separately.

Interchangeable locknuts, coolant-style locknuts, and coolant disks are available and must be ordered separately; see pages L16–L17.

Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.

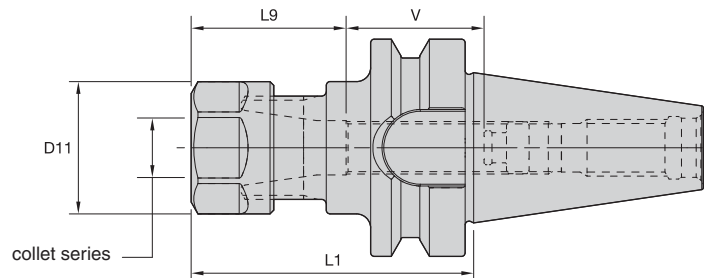
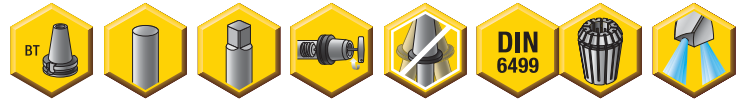
Balanceable/interchangeable locknuts are available and must be ordered separately; see page L16.

TG standard straight-bore collets, see page J10.

TG tap collets, see page J10.

For retention knobs, see page L45.

- Grip (2:1 advantage).



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■ ER Hex-BT Form AD

ER collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
ER16	0,5	10,0	.02	.41
ER20	0,5	13,0	.02	.50
ER25	1,0	16,0	.04	.63
ER32	2,0	20,0	.08	.81
ER40	3,0	26,0	.12	1.00

order number	catalog number	collet series	D11	L1	L9	V	kg
1258023	BT30ER16060M	ER16	28	60	32	33	0,48
1826220	BT30ER16100M	ER16	28	100	32	48	0,64
3847457	BT30ER16150M	ER16	28	150	32	48	0,85
1021296	BT30ER20060M	ER20	34	60	36	31	0,49
3847458	BT30ER20100M	ER20	34	100	36	44	0,74

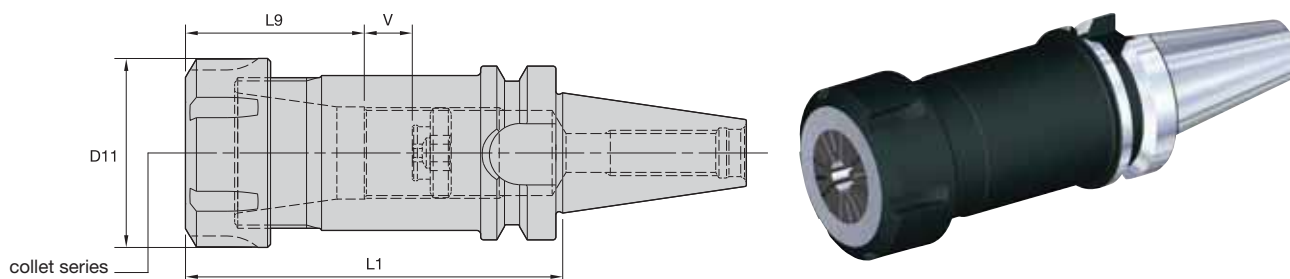
■ Spare Parts



catalog number	locknut	wrench	Nm	stop screw	wrench size stop screw
BT30ER16060M	LNHSER16M	OEW25M	40	SS044038G	4mm & 5/32
BT30ER16100M	LNHSER16M	OEW25M	40	SS044038G	4mm & 5/32
BT30ER16150M	LNHSER16M	OEW25M	40	SS044038G	4mm & 5/32
BT30ER20060M	LNHSER20M	OEW30M	32	SS056041G	4mm & 5/32
BT30ER20100M	LNHSER20M	OEW30M	32	SS056041G	4mm & 5/32

(continued)

(ER BT Form AD continued)



■ ER Round-BT Form AD

order number	catalog number	collet series	D11	L1	L9	V	kg
1258025	BT30ER25060M	ER25	42	60	40	16	0,52
1826221	BT30ER25100M	ER25	42	100	40	40	0,73
1156350	BT30ER32070M	ER32	50	70	46	10	0,65
3847459	BT30ER32100M	ER32	50	100	46	34	0,88
3847460	BT30ER40100M	ER40	63	100	52	10	1,15

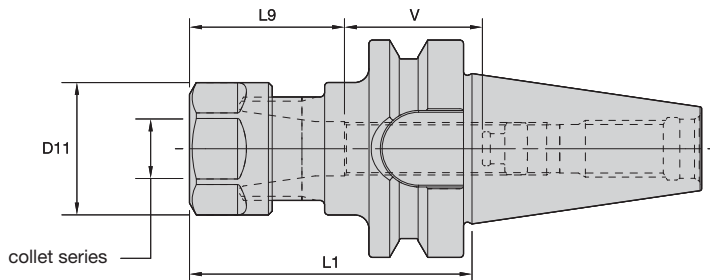
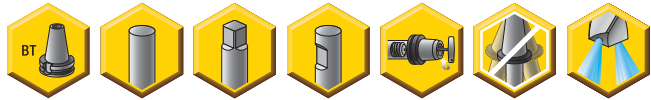
■ Spare Parts



catalog number	locknut	wrench	Nm	stop screw	wrench size stop screw
BT30ER25060M	LSER25M	ER25WM	104	SS075041G	4mm & 5/32
BT30ER25100M	LSER25M	ER25WM	104	SS075041G	4mm & 5/32
BT30ER32070M	LSER32M	ER32WM	136	SS094041G	4mm & 5/32
BT30ER32100M	LSER32M	ER32WM	136	SS094041G	4mm & 5/32
BT30ER40100M	LSER40M	ER40WM	176	SS112041G	4mm & 5/32

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.
 Collet chuck technical section, see page M98.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 ER standard straight-bore collets, see page J50.
 ER tap collets, see pages J58–J59.
 ER TCT tension-only tap collets, see page J60.
 For retention knobs, see page L45.

- Grip 1:1.



DA collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
DA200	0,2	10	1/64	25/64
DA180	2,2	20	1/64	3/4

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■ DA Hex-BT Form AD

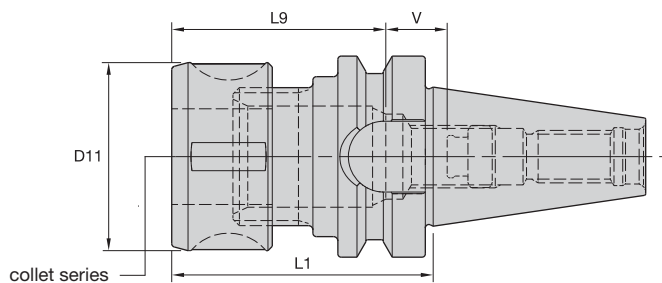
order number	catalog number	collet series	D11	L1	L9	V	lbs
1258011	BT30DA208060M	DA200	1.08	2.36	1.50	1.17	1.10

■ Spare Parts

catalog number	locknut	locknut wrench	ft. lbs.	stop screw	wrench size stop screw
BT30DA208060M	LNA208M	OEW24M	45	SS038031G	2mm & 5/64

(continued)

(DA BT Form AD continued)



BT30 Shank Tools

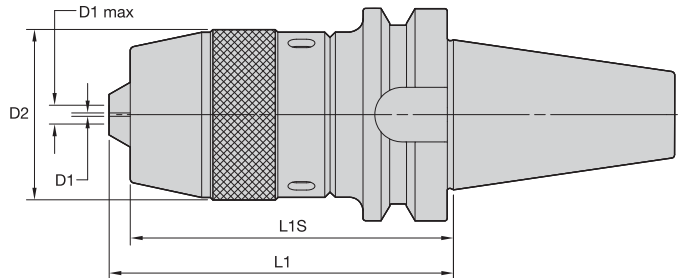
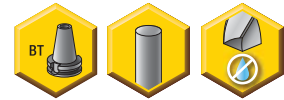
■ DA Round-BT Form AD

order number	catalog number	collet series	D11	L1	L9	V	lbs
1191712	BT30DA188060M	DA180	1.69	2.36	2.13	.35	1.54

■ Spare Parts

catalog number	locknut	locknut wrench	ft. lbs.	stop screw	wrench size stop screw
BT30DA188060M	LNA188M	HSW45M	100	SS056041G	4 mm & 5/32

NOTE: Tighten locknut to the recommended tightening torque.
 Collet chuck technical section, see page M98.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.
 DA standard straight-bore collets, see pages J65–J68.
 DA non-pullout collets, see pages J65–J68.
 For retention knobs, see page L45.

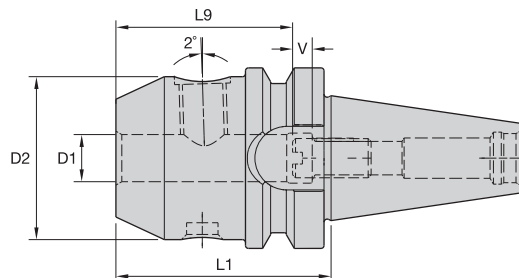


ERICKSON™

■ **DC-BT Form AD**

order number	catalog number	D1		D1 max		D2	L1	L1S	Nm	lbs
		mm	in	mm	in					
3582592	BT30DC08092M	0,5	.020	8,0	.315	38	100	92	25	2.89

NOTE: Tighten to the recommended tightening torque.
Locknut wrench supplied.
For retention knobs, see page L45.

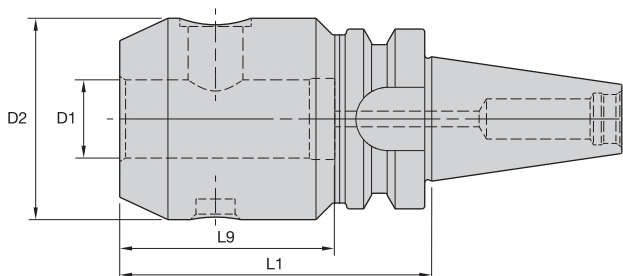


ERICKSON™

■ **WN MM-BT Form AD**

order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
1861102	BT30WN06050M	6	25	50	30	10	SS03M012	3mm	7	571.060	2,5mm	0,47
1861123	BT30WN08050M	8	28	50	30	10	SS03M014	4mm	15	571.067	3mm	0,49
2255556	BT30WN10055M	10	35	55	35	10	SS03M018	5mm	25	571.062	4mm	0,58
2255557	BT30WN12055M	12	42	55	40	10	SS03M023	6mm	35	571.063	5mm	0,67
2255558	BT30WN14055M	14	44	55	40	10	SS03M023	6mm	35	571.063	5mm	0,68
2255559	BT30WN16055M	16	46	55	43	10	SS03M025	6mm	50	571.069	6mm	0,71

NOTE: Do not overtighten lock screw; use torque recommendations above.
Supplied with lock screw and stop screw.
Lock screw and stop screw wrenches not included.
For retention knobs, see page L45.



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■ EM MM-BT Form AD



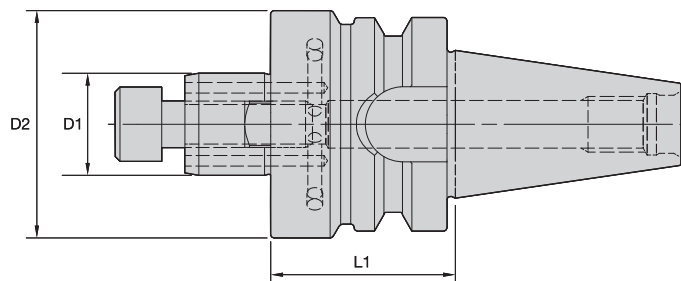
order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
1258015	BT30EM06050M	6	25	50	74	SS03M012	3mm	7	0,46
1258018	BT30EM08060M	8	28	60	84	SS03M014	4mm	15	0,52
1258019	BT30EM10060M	10	35	60	84	SS03M018	5mm	25	0,60
1155346	BT30EM12060M	12	42	60	50	SS03M023	6mm	35	0,70
1258020	BT30EM16060M	16	48	60	53	SS03M025	6mm	50	0,77
1258021	BT30EM20080M	20	52	80	55	SS03M026	8mm	95	1,03

■ EM IN-BT Form AD



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
2249689	BT30EM012236	1/8	.69	2.36	3.30	S1045PKG	3/32	3	.95
2249690	BT30EM018236	3/16	.69	2.36	3.30	S1045PKG	3/32	3	.94
1258012	BT30EM025236	1/4	1.00	2.36	3.30	ELS025025PKG	1/8	5	1.10
2249691	BT30EM031236	5/16	1.00	2.36	3.30	ELS031031PKG	5/32	11	1.08
1258013	BT30EM038236	3/8	1.00	2.36	3.30	ELS038031PKG	3/16	15	1.08
1258014	BT30EM050236	1/2	1.38	2.36	1.97	ELS044038PKG	7/32	20	1.26
1258016	BT30EM062236	5/8	1.63	2.36	2.09	ELS056050PKG	1/4	40	1.43
1258017	BT30EM075236	3/4	1.75	2.36	2.22	ELS062050PKG	5/16	70	1.46

NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw.
 Lock screw wrench not included.
 For retention knobs, see page L45.



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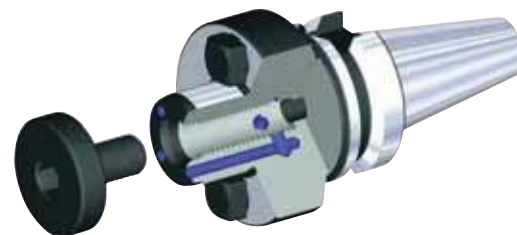
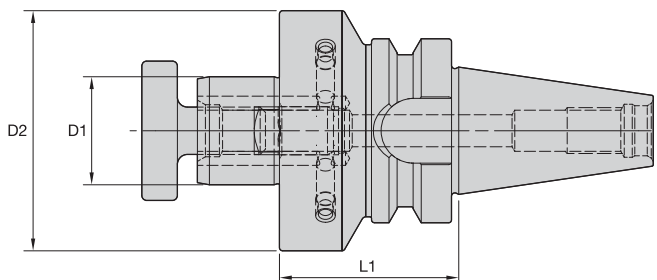
■ SMC Cap MM-BT Form B/AD



order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	kg
3752223	BT30SM2C16035M	16	38	35	MS1294	KDK16M	6mm	0,51
3752222	BT30SMC16035M	16	44	35	MS1294	KDK16M	6mm	0,55
3752225	BT30SM2C16050M	16	38	50	MS1294	KDK16M	6mm	0,64
3752224	BT30SMC16050M	16	44	50	MS1294	KDK16M	6mm	0,73
3752227	BT30SM2C22040M	22	42	40	MS1234	—	8mm	0,62
3752226	BT30SMC22040M	22	49	40	MS1234	KDK22M	8mm	0,68
3752229	BT30SM2C22050M	22	42	50	MS1234	—	8mm	0,73
3752228	BT30SMC22050M	22	49	50	MS1234	KDK22M	8mm	0,79

(continued)

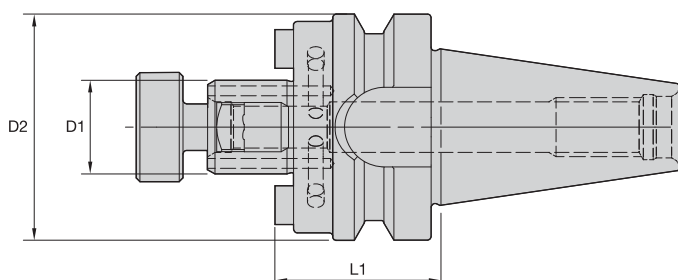
(SMC BT Form B/AD continued)



■ SMC Lock MM-BT Form B/AD



order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	kg
3752230	BT30SMC27045M	27	60	45	KLSS27M	KDK22M	10mm	0,97



■ SMC Lock IN-BT Form B/AD



order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	lbs
3648599	BT30SM2C050118	1/2	1.20	1.18	KLS05	KDK04	3/16	.97
3648598	BT30SMC050118	1/2	1.44	1.18	KLS05	KDK04	3/16	1.01
3648601	BT30SM2C075118	3/4	1.46	1.18	KLS07	—	1/4	1.08
3648600	BT30SMC075118	3/4	1.69	1.18	KLS07	KDK05	1/4	1.13
3648653	BT30SM2C100177	1	2.19	1.77	KLS10	KDK06	5/16	1.83
3648602	BT30SMC100177	1	2.75	1.77	KLS10	KDK06	5/16	2.16

NOTE: Do not overtighten lock screw.

Supplied with lock screw and drive keys.

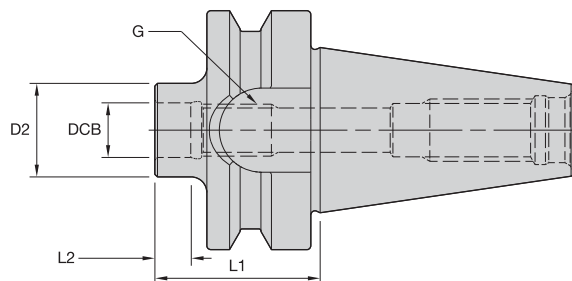
Interchangeable coolant-style lock screws are available and must be ordered separately; see page L38.

Lock screw wrench not included.

For retention knobs, see page L45.

BT30 Shank Tools

Screw-On Adapters for Modular Milling Cutters • KM™ Modular Adapters

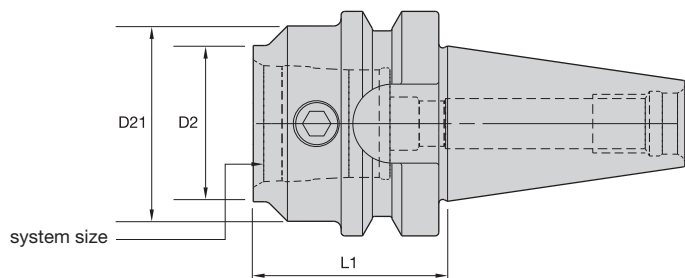


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ST-BT Form AD

order number	catalog number	DCB	G	D2	L1	L2	kg
4070054	BT30ST06032M	6,5	M6	10	32	9	0,39
4070055	BT30ST08032M	8,5	M8	13	32	9	0,39
4070056	BT30ST10032M	10,5	M10	18	32	9	0,39
4070057	BT30ST12032M	12,5	M12	21	32	9	0,38

NOTE: For retention knobs, see page L45.



ERICKSON

KM-BT Form AD



order number	catalog number	system size	D2	D21	L1	KM spare parts package	wrench size actuation screw	Nm	kg
1013658	BT30KM3240	KM32	32	40	40	KM32PKG3L	5mm	8-11	0,49

NOTE: Do not overtorque actuation screw; use torque recommendations above.
Supplied with KM actuation mechanism.
For retention knobs, see page L45.



The Tunable Tooling

Internal dampening package eliminates chatter, vibration, and harmonics in all your deep-hole boring applications!

- Proprietary features provide superior surface finish and increased productivity.
- Wide product offering — from boring bars, extensions, and holders to rotating adapters and modular sections.
- Reduce setup time with KM™ Quick Change Tooling — now an ISO Standard!
- Customize Kennametal's pre-tuned boring bars — after they're on the machine — to optimize performance in your specific machining operations.

For tighter tolerances, reduced scrap rates, and improved tool life, you can rely on Kennametal Tunable Tooling!

Experience the advantages at your Authorized Kennametal Distributor or at www.kennametal.com.

www.kennametal.com





ERICKSON™ BT V-Flange Shank Tooling System • BT40 Series

Primary Application

ERICKSON V-Flange BT Taper Tooling is manufactured from premium materials and meets or exceeds the latest JIS B 6339 specification and ISO-1947 taper accuracy of AT3 specification standards. The BT40 tools are either pre-balanced to a high specification or balanced-by-design. For high speed applications Kennametal recommends that the complete toolholder assembly (toolholder, retention knobs, collets, hardware, and cutting tools) be balanced as one entity. Exact RPM limits can only be determined by considering machine and spindle configurations in conjunction with tooling design and safety limits factored as a complete system.



BT — JIS B6339 Shank

NOTE: Inherent balance conditions — all features are symmetrical.



Features and Benefits

- JIS B 6339 7/24 taper.
- Standard M16 metric drawbar thread.
- Taper accuracy of AT3 specification or better.
- All tools set to form AD coolant specification. Many can be converted to form B style.
- Maximum 100 bar (1,500 psi) coolant pressure.

Order Information

Kennametal high-performance end mills with a shank diameter of 12mm (1/2") and larger are available with **SAFE-LOCK™** technology, as a special tool, upon request. Please contact your local customer service location to receive a quote.

Features

- Form-closed clamping.
- High accuracy clamping.
- Helical grooves.

Functions

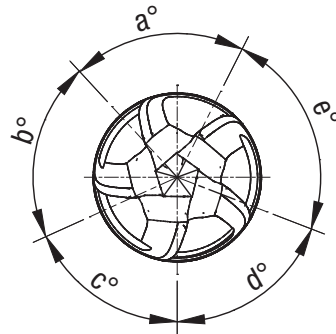
- No pull out.
- Excellent runout.
- Adjustable clamping length.

Benefits

- Reduce scrap rate.
- Higher tool life.
- No need to change NC program after regrounding.



Customized-Solution Example for Highest Metal Removal Rates



The HARVI II UDDE proprietary design with **unequal flute spacing** and unique core geometry for chatter-free machining enables slotting operations in titanium up to 1 x D.

SAFE-LOCK™ by HAIMER

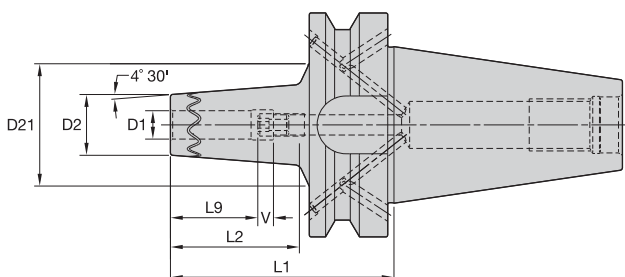
The safety belt for high-performance solid carbide end mills provides a form-closed clamping with high accuracy and helical grooves for length adjustment.



*To learn more, scan here.
For instructions on how to scan,
please see page xxxiii.*



- **SAFE-LOCK™**, innovative and unique non-slip system.
- Suitable for carbide and HSS cutting tools.
- Need ≥ 10 kW shrink unit.



BT40 Shank Tools

ERICKSON

■ TT SF MM-BT FORM B/AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	kg
5090264	BT40BSFTT12070M	12	27	33	70	43	37	10	1,14
5090265	BT40BSFTT14075M	14	30	37	75	48	37	10	1,21
5090266	BT40BSFTT16075M	16	30	37	75	48	40	10	1,18
5090267	BT40BSFTT18075M	18	36	43	75	48	40	10	1,29
5090268	BT40BSFTT20075M	20	36	43	75	48	42	10	1,24
5090269	BT40BSFTT25085M	25	46	55	85	58	48	10	1,59
5090270	BT40BSFTT32085M	32	46	55	85	58	48	10	1,43

Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32	h6	0,000/-0,016

Cutting Tool Shank Requirements
inch (industry standard)

cutting tool shank diameters	tolerance	
1/2 & 5/8		.0000/- .0004
3/4, 1		.0000/- .0005

■ TT SF IN-BT FORM B/AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	lbs
5129960	BT40BSFTT050276	1/2	1.04	1.31	2.76	1.69	1.46	.39	2.50
5129962	BT40BSFTT062295	5/8	1.16	1.46	2.95	1.89	1.58	.39	2.61
5129963	BT40BSFTT075295	3/4	1.40	1.70	2.95	1.89	1.65	.39	2.77
5129964	BT40BSFTT100335	1	1.79	2.15	3.35	2.28	1.89	.39	3.48

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder. Shrink Fit technical section, see page M78. Shrink Fit accessories, see pages L12–L13. For retention knobs, see page L45.

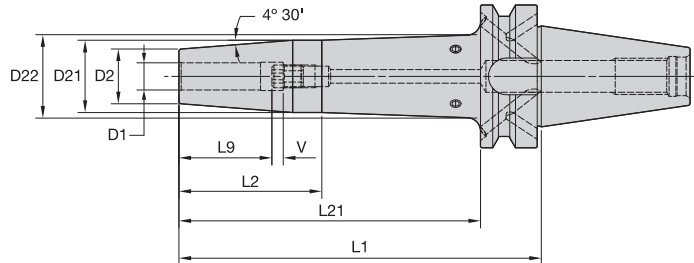
				40	(2x) SFV40
				50	(2x) SFV50
					1,5mm

BT40 Shank Tools

Shrink Fit Toolholders General Purpose (GP)



- Balanceable — fine tune with optional M6 set screws.
- Suitable for carbide and HSS cutting tools (requirements below).



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
6	h6	0,000/-0,008
8 & 10	h6	0,000/-0,009
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32	h6	0,000/-0,016

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■ TT GP HPV MM-BT Form B/AD



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3782133	BT40BHPVTT06090M	6	21	27	—	90	63	—	26	10	TTSS05014M	2,5mm	1,16
3782134	BT40BHPVTT06120M	6	21	27	—	120	93	—	26	10	TTSS05014M	2,5mm	1,29
3782135	BT40BHPVTT06160M	6	21	27	33	160	50	133	26	10	TTSS05014M	2,5mm	1,54
3782136	BT40BHPVTT08090M	8	21	27	—	90	63	—	26	10	TTSS06014M	3mm	1,15
3782137	BT40BHPVTT08120M	8	21	27	—	120	93	—	26	10	TTSS06014M	3mm	1,28
3782138	BT40BHPVTT08160M	8	21	27	33	160	50	133	26	10	TTSS06014M	3mm	1,54
3782139	BT40BHPVTT10090M	10	24	32	—	90	63	—	31	10	TTSS08014M	4mm	1,22
3782140	BT40BHPVTT10120M	10	24	32	—	120	93	—	31	10	TTSS08014M	4mm	1,40
3782141	BT40BHPVTT10160M	10	24	32	37	160	63	133	31	10	TTSS08014M	4mm	1,71
3615365	BT40BHPVTT12090M	12	24	32	—	90	63	—	36	10	TTSS10014M	5mm	1,20
3615366	BT40BHPVTT12120M	12	24	32	—	120	93	—	36	10	TTSS10014M	5mm	1,38
3615367	BT40BHPVTT12160M	12	24	32	37	160	63	133	36	10	TTSS10014M	5mm	1,70
3615368	BT40BHPVTT14090M	14	27	34	—	90	63	—	36	10	TTSS10014M	5mm	1,25
3615369	BT40BHPVTT14120M	14	27	34	—	120	93	—	36	10	TTSS10014M	5mm	1,45
3615370	BT40BHPVTT14160M	14	27	34	39	160	63	133	36	10	TTSS10014M	5mm	1,81
3615371	BT40BHPVTT16090M	16	27	34	—	90	63	—	39	10	TTSS12014M	6mm	1,23
3615372	BT40BHPVTT16120M	16	27	34	—	120	93	—	39	10	TTSS12014M	6mm	1,43
3615373	BT40BHPVTT16160M	16	27	34	39	160	63	133	39	10	TTSS12014M	6mm	1,77
3615374	BT40BHPVTT18090M	18	33	41	—	90	63	—	39	10	TTSS12014M	6mm	1,38
3615375	BT40BHPVTT18120M	18	33	42	—	120	93	—	39	10	TTSS12014M	6mm	1,69
3615376	BT40BHPVTT18160M	18	33	42	—	160	133	—	39	10	TTSS12014M	6mm	2,10
3615377	BT40BHPVTT20090M	20	33	41	—	90	63	—	41	10	TTSS16014M	8mm	1,35
3615378	BT40BHPVTT20120M	20	33	42	—	120	93	—	41	10	TTSS16014M	8mm	1,65
3615379	BT40BHPVTT20160M	20	33	42	—	160	133	—	41	10	TTSS16014M	8mm	2,05
3615380	BT40BHPVTT25100M	25	44	52	—	100	73	—	47	10	TTSS16014M	8mm	1,75
3615381	BT40BHPVTT32105M	32	44	53	—	105	78	—	51	10	TTSS16014M	8mm	1,67

(continued)

(TT GP HPV BT Form B/AD continued)

Cutting Tool Shank Requirements
inch (industry standard)

cutting tool shank diameters	tolerance
1/4, 5/16, & 3/8	.0000/- .0004
7/16, 1/2, & 5/8	.0000/- .0004
3/4, 7/8, 1, & 1-1/4	.0000/- .0005

■ TT GP HPV IN-BT Form B/AD



BT40 Shank Tools

order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	lbs
3782142	BT40BHPVTT025354	1/4	.83	1.06	3.54	2.48	1.02	.39	TTSS05014M	2,5mm	2.55
3782143	BT40BHPVTT025630	1/4	.83	1.06	6.30	1.97	1.02	.39	TTSS05014M	2,5mm	3.39
3782144	BT40BHPVTT031354	5/16	.83	1.06	3.54	2.48	1.02	.39	TTSS06014M	3mm	2.53
3782145	BT40BHPVTT031630	5/16	.83	1.06	6.30	1.97	1.02	.39	TTSS06014M	3mm	3.39
3782146	BT40BHPVTT038354	3/8	.95	1.26	3.54	2.48	1.22	.39	TTSS08014M	4mm	2.69
3782147	BT40BHPVTT038630	3/8	.95	1.26	6.30	2.48	1.22	.39	TTSS08014M	4mm	3.78
3782148	BT40BHPVTT044354	7/16	.95	1.26	3.54	2.48	1.42	.39	TTSS10014M	5mm	2.66
3615353	BT40BHPVTT050354	1/2	.95	1.26	3.54	2.48	1.42	.39	TTSS10014M	5mm	2.64
3615354	BT40BHPVTT050630	1/2	.95	1.26	6.30	2.48	1.42	.39	TTSS10014M	5mm	3.73
3615355	BT40BHPVTT062354	5/8	1.06	1.34	3.54	2.48	1.54	.39	TTSS12014M	6mm	2.71
3615356	BT40BHPVTT062630	5/8	1.06	1.34	6.30	2.48	1.54	.39	TTSS12014M	6mm	3.91
3615357	BT40BHPVTT075354	3/4	1.30	1.61	3.54	2.48	1.61	.39	TTSS16014M	8mm	2.99
3615358	BT40BHPVTT075630	3/4	1.30	1.65	6.30	5.24	1.61	.39	TTSS16014M	8mm	4.56
3615359	BT40BHPVTT088354	7/8	1.30	1.61	3.54	2.48	1.61	.39	TTSS16014M	8mm	2.90
3615360	BT40BHPVTT088630	7/8	1.30	1.65	6.30	5.24	1.61	.39	TTSS16014M	8mm	4.47
3615361	BT40BHPVTT100394	1	1.73	2.06	3.94	2.87	1.85	.39	TTSS16014M	8mm	3.84
3615362	BT40BHPVTT100630	1	1.73	2.08	6.30	5.24	1.85	.39	TTSS16014M	8mm	6.03
3615363	BT40BHPVTT125413	1 1/4	1.73	2.08	4.13	3.07	2.01	.39	TTSS16014M	8mm	3.69
3615364	BT40BHPVTT125630	1 1/4	1.73	2.08	6.30	5.24	2.01	.39	TTSS16014M	8mm	5.69

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Shrink Fit technical section, see page M78.

Supplied with stop screw.

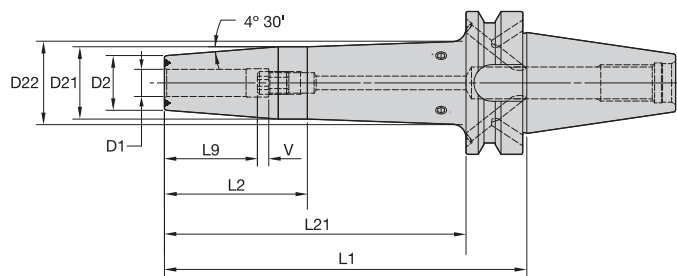
Adjusting stop screw gage, see page M81.

Optional M6~1.0P x 5mm lg fine-balancing screw set (10 pieces) is available. Order number is MS1276PKG and must be ordered separately.

For retention knobs, see page L45.

Form AD					
Form B				40 (2x) MS2221S	2,5mm
				50 (2x) MS1296S	3mm

- 30–50% higher clamping torque compared to GP line.
- Balanceable — fine tune with optional M6 set screws.
- Suitable for carbide only, designated by groove in front face (requirements below).
- 10 kW power or greater Shrink Fit device must be used.



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32	h6	0,000/-0,016

ERICKSON

■ TT HT HPV MM-BT Form B/AD



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3615457	BT40BHPVTTHT12090M	12	24	32	—	90	63	—	36	10	TTSS10014M	5mm	1,20
3615458	BT40BHPVTTHT12120M	12	24	32	—	120	93	—	36	10	TTSS10014M	5mm	1,38
3615459	BT40BHPVTTHT12160M	12	24	32	37	160	63	133	36	10	TTSS10014M	5mm	1,70
3615460	BT40BHPVTTHT14090M	14	27	34	—	90	63	—	36	10	TTSS10014M	5mm	1,25
3615461	BT40BHPVTTHT14120M	14	27	34	—	120	93	—	36	10	TTSS10014M	5mm	1,45
3615462	BT40BHPVTTHT14160M	14	27	34	39	160	63	133	36	10	TTSS10014M	5mm	1,81
3615463	BT40BHPVTTHT16090M	16	27	34	—	90	63	—	39	10	TTSS12014M	6mm	1,23
3615464	BT40BHPVTTHT16120M	16	27	34	—	120	93	—	39	10	TTSS12014M	6mm	1,43
3615465	BT40BHPVTTHT16160M	16	27	34	39	160	63	133	39	10	TTSS12014M	6mm	1,77
3615466	BT40BHPVTTHT18090M	18	33	41	—	90	63	—	39	10	TTSS12014M	6mm	1,38
3615467	BT40BHPVTTHT18120M	18	33	42	—	120	93	—	39	10	TTSS12014M	6mm	1,69
3615468	BT40BHPVTTHT18160M	18	33	42	—	160	133	—	39	10	TTSS12014M	6mm	2,10
3615469	BT40BHPVTTHT20090M	20	33	41	—	90	63	—	41	10	TTSS16014M	8mm	1,35
3615470	BT40BHPVTTHT20120M	20	33	42	—	120	93	—	41	10	TTSS16014M	8mm	1,65
3615471	BT40BHPVTTHT20160M	20	33	42	—	160	133	—	41	10	TTSS16014M	8mm	2,06
3615472	BT40BHPVTTHT25100M	25	44	52	50	100	73	—	47	10	TTSS16014M	8mm	1,75
3615473	BT40BHPVTTHT32105M	32	44	53	50	105	78	—	51	10	TTSS16014M	8mm	1,66

(continued)

(TT HT HPV BT Form B/AD continued)

Cutting Tool Shank Requirements

inch (industry standard)	
cutting tool shank diameters	tolerance
1/2 & 5/8	.0000/- .0004
3/4, 7/8, 1, & 1-1/4	.0000/- .0005

■ TT HT HPV IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	lbs
3615444	BT40BHPVTTH050354	1/2	.95	1.26	3.54	2.48	1.42	.39	TTSS10014M	5mm	2.63
3615445	BT40BHPVTTH050630	1/2	.95	1.26	6.30	2.48	1.42	.39	TTSS10014M	5mm	3.73
3615446	BT40BHPVTTH062354	5/8	1.06	1.34	3.54	2.48	1.54	.39	TTSS12014M	6mm	2.71
3615447	BT40BHPVTTH062630	5/8	1.06	1.34	6.30	2.48	1.54	.39	TTSS12014M	6mm	3.91
3615448	BT40BHPVTTH075354	3/4	1.30	1.61	3.54	2.48	1.61	.39	TTSS16014M	8mm	2.99
3615450	BT40BHPVTTH075630	3/4	1.30	1.65	6.30	5.24	1.61	.39	TTSS16014M	8mm	4.56
3615451	BT40BHPVTTH088354	7/8	1.30	1.61	3.54	2.48	1.61	.39	TTSS16014M	8mm	2.90
3615452	BT40BHPVTTH088630	7/8	1.30	1.65	6.30	5.24	1.61	.39	TTSS16014M	8mm	4.47
3615453	BT40BHPVTTH100394	1	1.73	2.06	3.94	2.87	1.85	.39	TTSS16014M	8mm	3.84
3615454	BT40BHPVTTH100630	1	1.73	2.08	6.30	5.24	1.85	.39	TTSS16014M	8mm	6.03
3615455	BT40BHPVTTH125413	1 1/4	1.73	2.08	4.13	3.07	2.01	.39	TTSS16014M	8mm	3.68
3615456	BT40BHPVTTH125630	1 1/4	1.73	2.08	6.30	5.24	2.01	.39	TTSS16014M	8mm	5.69

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Shrink Fit technical section, see page M78.

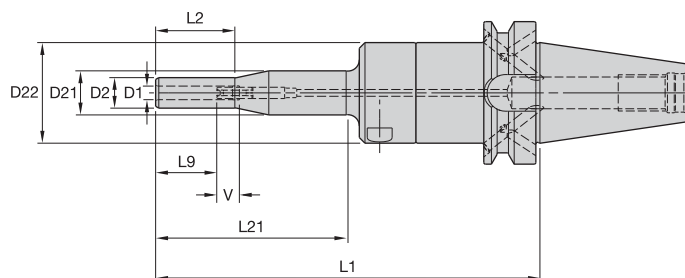
Supplied with stop screw.

Adjusting stop screw gage, see page M81.

Optional M6~1.0P x 5mm lg fine-balancing screw set (10 pieces) is available. Order number is MS1276PKG and must be ordered separately.

For retention knobs, see page L45.

Form AD						
Form B				40	(2x) MS2221S	2,5mm
				50	(2x) MS1296S	3mm



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■ HC Slim-T MM-BT Form B/AD

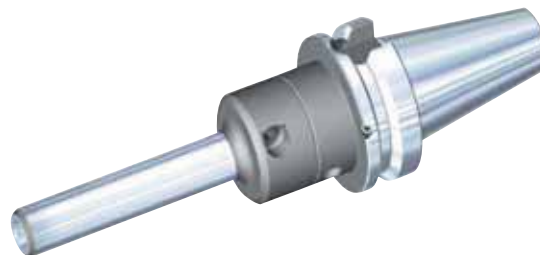
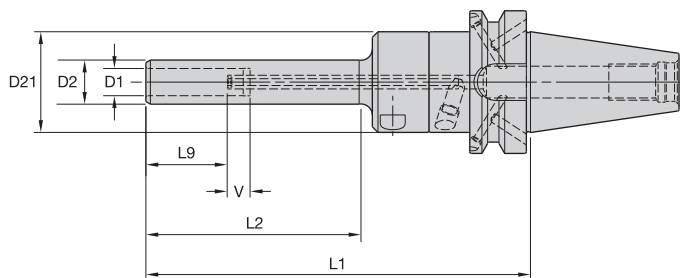
order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	kg
3019236	BT40BHCSLT06170M	6	13,5	19,5	44	170	35	85	27	10	1,68
3019237	BT40BHCSLT08170M	8	15,5	19,5	44	170	35	85	27	10	1,69
3019238	BT40BHCSLT10170M	10	17,5	44,5	—	170	85	145	31	10	1,68

■ Spare Parts

catalog number	actuation wrench	wrench size actuation screw	stop screw	stop screw wrench	wrench size stop screw
BT40BHCSLT06170M	170.135	5mm	571.060	170.002	2,5mm
BT40BHCSLT08170M	170.135	5mm	571.060	170.002	2,5mm
BT40BHCSLT10170M	170.135	5mm	571.061	170.003	3mm

(continued)

(HC Slim MM-BT Form B/AD continued)



■ HC Slim MM-BT Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	kg
2634575	BT40BHCSL12170M	12	19,5	44,5	170	95	36	10	1,61
2634576	BT40BHCSL14170M	14	21,5	52,5	170	95	36	10	1,84
2634577	BT40BHCSL16170M	16	23,5	52,5	170	95	39	10	1,87
2634578	BT40BHCSL18170M	18	25,5	52,5	170	95	39	10	1,91
2634579	BT40BHCSL20170M	20	27,5	52,5	170	95	41	10	1,95

■ Spare Parts

catalog number	actuation wrench	wrench size actuation screw	stop screw wrench	wrench size stop screw
BT40BHCSL12170M	170.135	5mm	170.002	2,5mm
BT40BHCSL14170M	170.135	5mm	170.002	2,5mm
BT40BHCSL16170M	170.135	5mm	170.002	2,5mm
BT40BHCSL18170M	170.135	5mm	170.002	2,5mm
BT40BHCSL20170M	170.135	5mm	170.002	2,5mm

NOTE: Do not overtorque actuation screw. Use supplied wrench and tighten by hand until stop is felt.

Hydraulic chuck technical section, see page M84.

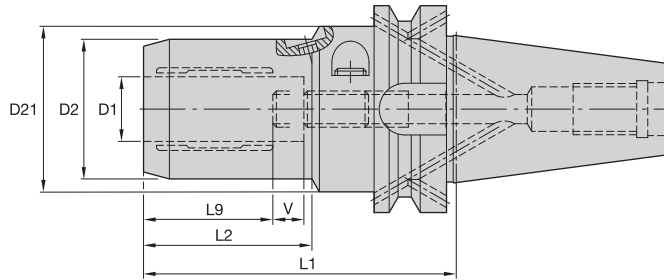
Supplied with stop screw and actuation wrench.

Unable to use SEFAS™ chamfering rings on this design.

Reduction sleeves are available and must be ordered separately; see page J2.

For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



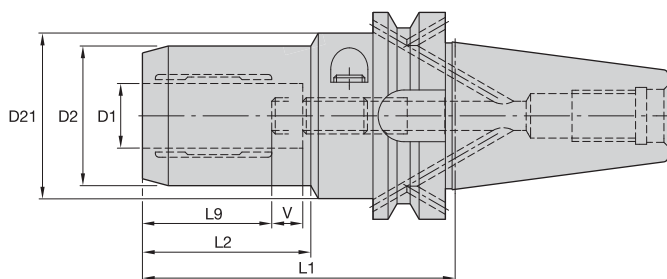
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■ HC MM-BT Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	actuation wrench	wrench size actuation screw	stop screw wrench	wrench size stop screw	kg
1315341	BT40BHC06080M	6	25,7	50	80	33	27	10	170.135	5mm	170.002	2,5mm	1,28
1315342	BT40BHC08080M	8	27,7	50	80	34	27	10	170.135	5mm	170.002	2,5mm	1,30
1315343	BT40BHC10085M	10	29,7	50	85	35	31	10	170.135	5mm	170.002	2,5mm	1,35
1315344	BT40BHC12090M	12	31,6	50	90	40	36	10	170.135	5mm	170.002	2,5mm	1,39
1315345	BT40BHC14090M	14	33,6	50	90	42	36	10	170.135	5mm	170.003	3mm	1,40
1315347	BT40BHC16090M	16	37,6	50	90	47	39	10	170.135	5mm	170.003	3mm	1,44
1315348	BT40BHC18090M	18	39,6	50	90	47	39	10	170.135	5mm	170.003	3mm	1,47
1315349	BT40BHC20095M	20	41,6	50	95	48	41	10	170.135	5mm	170.003	3mm	1,54
1315350	BT40BHC25115M	25	49,8	63	115	51	46	10	170.136	6mm	170.004	4mm	2,18
1315351	BT40BHC32120M	32	59,8	63	120	59	50	10	170.136	6mm	170.004	4mm	2,46

NOTE: Do not overtorque actuation screw. Tighten by hand until stop is felt.
Hydraulic chuck technical section, see page M84.
Supplied with stop screw.
Actuation wrench must be ordered separately.
Reduction sleeves are available and must be ordered separately; see page J2.
For retention knobs, see page L45.

Form AD	✓				
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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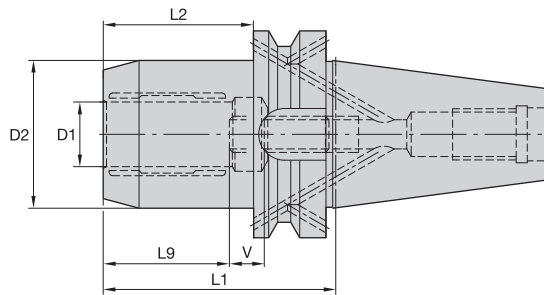
■ HC Trend IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L9	V	actuation wrench	wrench size actuation screw	stop screw	stop screw wrench	wrench size stop screw	lbs
2263075	BT40BHCT025315	1/4	1.011	1.963	3.150	1.378	1.063	.394	170.135	5mm	571.061	170.003	3mm	2.85
2263076	BT40BHCT038335	3/8	1.168	1.963	3.346	1.496	1.220	.394	170.135	5mm	571.061	170.003	3mm	3.02
2263077	BT40BHCT050354	1/2	1.243	1.963	3.543	1.575	1.417	.394	170.135	5mm	571.061	170.003	3mm	3.16
2263078	BT40BHCT062354	5/8	1.479	1.963	3.543	1.831	1.535	.394	170.135	5mm	571.063	—	5mm	3.23
2263079	BT40BHCT075374	3/4	1.636	1.963	3.740	1.890	1.614	.394	170.135	5mm	571.063	—	5mm	3.49
2263080	BT40BHCT100453	1	1.959	2.474	4.528	2.008	1.850	.394	170.136	6mm	571.063	170.005	5mm	4.80
2263081	BT40BHCT125472	1 1/4	2.352	2.474	4.724	2.323	2.008	.394	170.136	6mm	571.063	170.005	5mm	5.43

NOTE: Do not overtorque actuation screw. Tighten by hand until stop is felt.
 Hydraulic chuck technical section, see page M84.
 Supplied with stop screw.
 Actuation wrench must be ordered separately.
 Reduction sleeves are available and must be ordered separately; see page J2.
 For retention knobs, see page L45.

Form AD	✓				
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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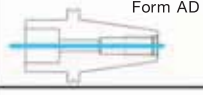
■ HC Basic MM-BT Form B/AD

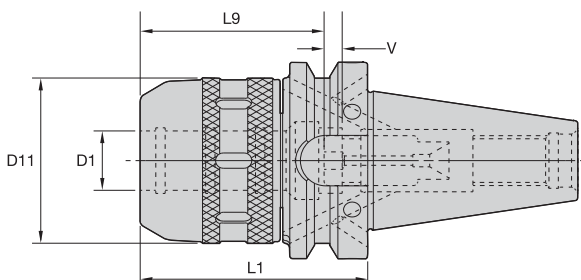
order number	catalog number	D1	D2	L1	L2	L9	V	actuation wrench	wrench size actuation screw	stop screw	wrench size stop screw	kg
1599687	BT40BHCB20095M	20	49,9	95	68	41	10		5mm		5mm	1,79
								170.135		280.034		

■ HC Basic IN-BT Form B/AD

order number	catalog number	D1	D2	L1	L2	L9	V	actuation wrench	wrench size actuation screw	stop screw	wrench size stop screw	lbs
2263074	BT40BHCB075374	3/4	1.96	3.74	2.68	1.61	—		5mm		5mm	3.98
								170.135		280.034		

NOTE: Do not overtorque actuation screw. Tighten by hand until stop is felt.
Hydraulic chuck technical section, see page M84.
Supplied with stop screw.
Actuation wrench must be ordered separately.
Reduction sleeves are available and must be ordered separately; see page J2.
For retention knobs, see page L45.

Form AD					
					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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■ HPMC MM-BT Form B/AD

order number	catalog number	D1	D11	L1	L9	V	locknut wrench	stop screw	wrench size stop screw	kg
3578487	BT40BHPMC20075M	20	53	75	47	20	PSW52M	MCSS16040M	2,5mm & 5mm	1,50
3578488	BT40BHPMC20120M	20	53	120	50	20	PSW52M	MCSS16040M	2,5mm & 5mm	2,20
3578489	BT40BHPMC25085M	25	61	85	55	20	PSW58M	MCSS16040M	2,5mm & 5mm	1,80
3578490	BT40BHPMC25120M	25	61	120	55	20	PSW58M	MCSS16040M	2,5mm & 5mm	2,50
3578491	BT40BHPMC32090M	32	70	90	58	20	PSW68M	MCSS16040M	2,5mm & 5mm	2,10
3578492	BT40BHPMC32120M	32	70	120	58	20	PSW68M	MCSS16040M	2,5mm & 5mm	2,70

■ HPMC IN-BT Form B/AD

order number	catalog number	D1	D11	L1	L9	V	locknut wrench	stop screw	wrench size stop screw	lbs
3100412	BT40BHPMC075295	3/4	2.09	2.95	1.85	.79	PSW52M	MCSS16040M	2,5mm & 5mm	3.30
3100413	BT40BHPMC075472	3/4	2.09	4.72	1.97	.79	PSW52M	MCSS16040M	2,5mm & 5mm	4.90
3100414	BT40BHPMC100335	1	2.40	3.35	2.17	.79	PSW58M	MCSS16040M	2,5mm & 5mm	4.10
3100415	BT40BHPMC100472	1	2.40	4.72	2.17	.79	PSW58M	MCSS16040M	2,5mm & 5mm	5.70
3100416	BT40BHPMC125354	1 1/4	2.76	3.54	2.28	.79	PSW68M	MCSS16040M	2,5mm & 5mm	4.50
3100417	BT40BHPMC125472	1 1/4	2.76	4.72	2.28	.79	PSW68M	MCSS16040M	2,5mm & 5mm	6.10

NOTE: Milling chuck technical section, see page M88.

Supplied with locknut and stop screw.

Locknut wrench not included.

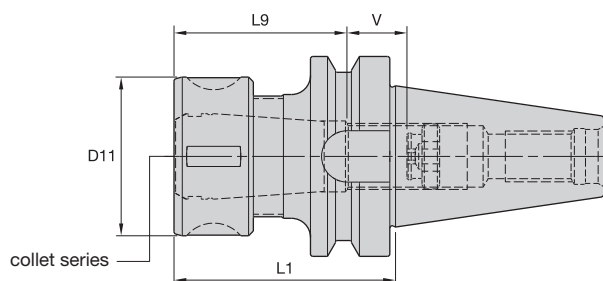
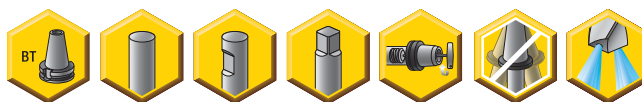
Optional M6~1,0P fine-balancing screw set is available (order number HPMCBALSCREWSET) and must be ordered separately; see page L14.

Reduction sleeves are available and must be ordered separately; see page J6.

For retention knobs, see page L45.

Form AD					
Form B					
		40	(2x) MS2221S	2,5mm	
		50	(2x) MS1296S	3mm	

- Tremendous Grip (3:1 advantage).



TG collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
TG75	2,6	20,0	3/64	3/4
TG100	2,6	25,5	5/64	1
TG150	11,6	40,0	23/64	1 1/2

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■ TG Round-BT Form AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
1156366	BT40TG075070M	TG75	50	70	54	27	LNA075M	HSW45M	136	SS081041G	4mm & 5/32	1,24
1156367	BT40TG100080M	TG100	60	80	70	13	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	1,44
1191754	BT40TG100100M	TG100	60	100	70	33	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	1,63
1191755	BT40TG100150M	TG100	60	150	70	83	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	2,11
1191756	BT40TG150110M	TG150	85	110	86	20	LNA150M	HSW80M	271	SS112041G	4mm & 5/32	2,46

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.

Collet chuck technical section, see page M98.

Supplied with locknut and stop screw.

Locknut wrench must be ordered separately.

Interchangeable locknuts, coolant-style locknuts, and coolant disks are available and must be ordered separately; see pages L16–L17.

Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.

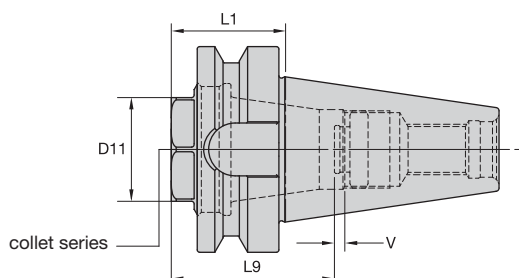
Balanceable/interchangeable locknuts are available and must be ordered separately; see page L16.

TG standard straight-bore collets, see page J10.

TG tap collets, see page J10.

For retention knobs, see page L45.

- Grip (2:1 advantage).



ER collet series	Collet Capacity			
	mm	inch	min	max
ER32	min	max	min	max
	2,0	20,0	.08	.81

BT40 Shank Tools

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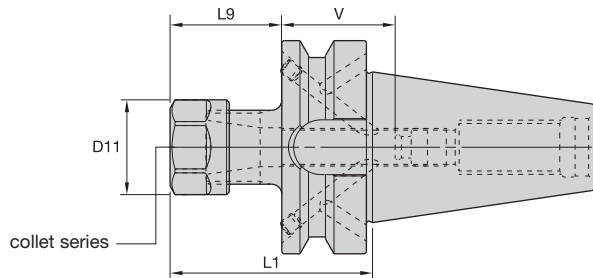
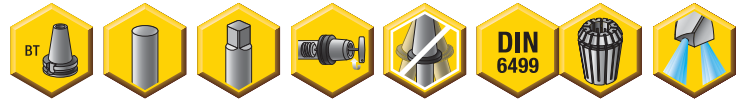
■ ER Short-BT Form AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
2978765	BT40SER32035M	ER32	36	35	50	6	LNECSER32M	OEW32M	136	SS094041G	4mm & 5/32	0,75

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.
 Collet chuck technical section, see page M98.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.
 ER standard straight-bore collets, see pages J58–J59.
 ER tap collets, see pages J58–J59.
 ER TCT tension-only tap collets, see page J60.
 For retention knobs, see page L45.

- Grip (2:1 advantage).



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■ ER Hex-BT Form B/AD

ER collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
ER16	0,5	10,0	.02	.41
ER20	0,5	13,0	.02	.50
ER25	1,0	16,0	.04	.63
ER32	2,0	20,0	.08	.81
ER40	3,0	26,0	.12	1.00

order number	catalog number	collet series	D11	L1	L9	V	kg
1315660	BT40BER16060M	ER16	28	60	32	39	1,03
1623345	BT40BER16120M	ER16	28	120	32	48	1,27
3847461	BT40BER16150M	ER16	28	150	32	48	1,39
3847462	BT40BER20060M	ER20	34	60	37	38	1,04
3847513	BT40BER20120M	ER20	34	120	37	63	1,41
3847514	BT40BER20150M	ER20	34	150	37	63	1,59

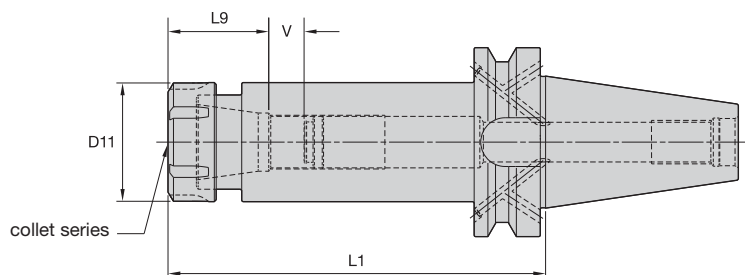
■ Spare Parts



catalog number	locknut	wrench	counterbore collet torque (Nm)	straight collet torque (Nm)	stop screw	wrench size stop screw
BT40BER16060M	LNHSER16M	OE25M	40	56	SS044038G	4mm & 5/32
BT40BER16120M	LNHSER16M	OE25M	40	56	SS044038G	4mm & 5/32
BT40BER16150M	LNHSER16M	OE25M	40	56	SS044038G	4mm & 5/32
BT40BER20060M	LNHSER20M	OE30M	32	80	SS056041G	4mm & 5/32
BT40BER20120M	LNHSER20M	OE30M	32	80	SS056041G	4mm & 5/32
BT40BER20150M	LNHSER20M	OE30M	32	80	SS056041G	4mm & 5/32

(continued)

(continued ER BT Form B/AD)



■ ER Round-BT Form B/AD

order number	catalog number	collet series	D11	L1	L9	V	kg
1718315	BT40BER25070M	ER25	42	70	40	38	1,15
1610709	BT40BER25120M	ER25	42	120	40	60	1,61
3798342	BT40BER25150M	ER25	42	150	40	60	1,90
1538985	BT40BER32070M	ER32	50	70	46	40	1,15
1538986	BT40BER32120M	ER32	50	120	46	54	1,82
3798343	BT40BER32150M	ER32	50	150	46	54	2,26
1871535	BT40BER40080M	ER40	63	80	52	28	1,37
1871538	BT40BER40120M	ER40	63	120	52	33	2,29

■ Spare Parts

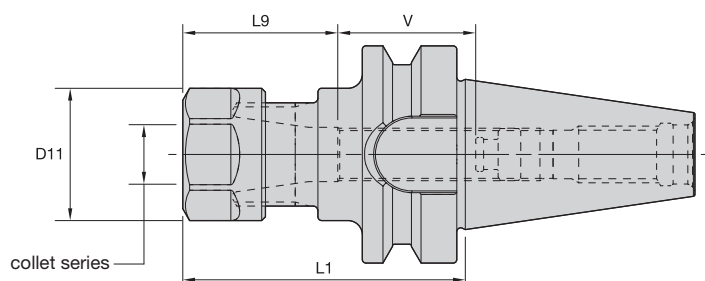


catalog number	locknut	wrench	counterbore collet torque (Nm)	stop screw	wrench size stop screw
BT40BER25070M	LNSER25M	ER25WM	104	SS075041G	4mm & 5/32
BT40BER25120M	LNSER25M	ER25WM	104	SS075041G	4mm & 5/32
BT40BER25150M	LNSER25M	ER25WM	104	SS075041G	4mm & 5/32
BT40BER32070M	LNSER32M	ER32WM	136	SS094041G	4mm & 5/32
BT40BER32120M	LNSER32M	ER32WM	136	SS094041G	4mm & 5/32
BT40BER32150M	LNSER32M	ER32WM	136	SS094041G	4mm & 5/32
BT40BER40080M	LNSER40M	ER40WM	176	SS112041G	4mm & 5/32
BT40BER40120M	LNSER40M	ER40WM	176	SS112041G	4mm & 5/32

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.
 Collet chuck technical section, see page M98.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 ER standard straight-bore collets, see page J50.
 ER tap collets, see pages J58-J59.
 ER TCT tension-only tap collets, see page J60.
 For retention knobs, see page L45.

Form AD	✓	✗	40	(2x) MS2221S	2,5mm
Form B	✓	✗	50	(2x) MS1296S	3mm

- Grip 1:1.



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■ DA Hex-BT form AD

DA collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
DA200	0,2	10	1/64	25/64
DA100	1,8	14	1/64	9/16

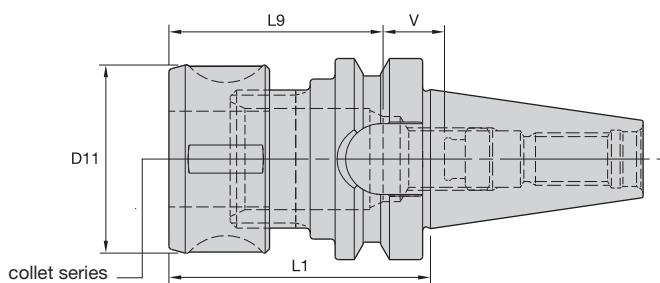
order number	catalog number	collet series	D11	L1	L9	V	lbs
1191725	BT40DA208070M	DA200	1.08	2.76	1.50	1.26	2.20
1191722	BT40DA108070M	DA100	1.44	2.76	1.77	1.10	2.20

■ Spare Parts

catalog number	locknut	locknut wrench	ft. lbs.	stop screw	wrench size stop screw
BT40DA108070M	LNA108M	OEW32M	55	SS056041G	4mm & 5/32
BT40DA208070M	LNA208M	OEW24M	44	SS038031G	2mm & 5/64

(continued)

(DA BT Form AD continued)



BT40 Shank Tools

■ DA Round-BT form AD

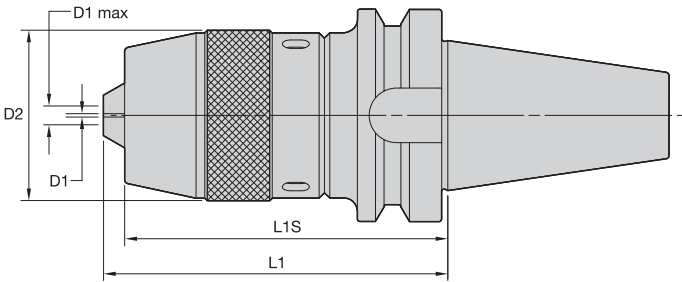
order number	catalog number	collet series	D11	L1	L9	V	lbs
1191723	BT40DA188070M	DA180	1.69	2.76	1.89	1.30	2.65
1258159	BT40DA188100M	DA180	1.69	3.94	1.89	2.05	3.09
1191724	BT40DA188150M	DA180	1.69	5.91	1.97	1.77	3.75

■ Spare Parts



catalog number	locknut	locknut wrench	ft. lbs.	stop screw	wrench size stop screw
BT40DA188070M	LNA188M	HSW45M	100	SS081041G	4mm & 5/32
BT40DA188100M	LNA188M	HSW45M	100	SS081041G	4mm & 5/32
BT40DA188150M	LNA188M	HSW45M	100	SS081041G	4mm & 5/32

NOTE: For retention tighten locknut to the recommended tightening torque.
 Collet chuck technical section, see page M98.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.
 DA standard straight-bore collets, see page J62.
 DA non-pullout collets, see pages J65–J68.

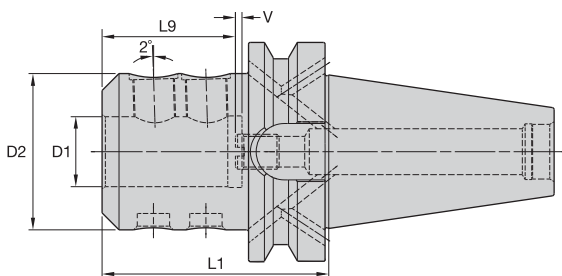


BT40 Shank Tools

■ DC-BT Form A

order number	catalog number	D1		D1 max		D2	L1	L1S	 locknut wrench	Nm	kg
		mm	in	mm	in						
3583293	BT40DC13096M	1,0	.039	13,0	.512	51	108	96	PSW45M	55	1,74

NOTE: Tighten to the recommended tightening torque.
Locknut wrench not supplied.
For retention knobs, see page L45.



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■ WN MM-BT Form B/AD



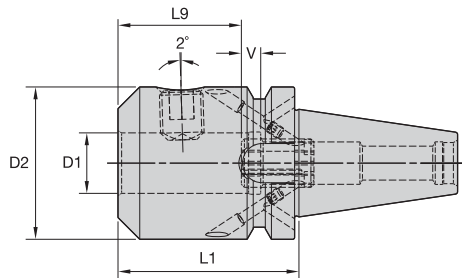
order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
1126481	BT40BWN06050M	6	25	50	30	10	SS03M012	3mm	7	571.060	2,5mm	1,03
1126482	BT40BWN08050M	8	28	50	30	10	SS03M014	4mm	15	571.067	3mm	1,04
1126850	BT40BWN10063M	10	35	63	35	10	SS03M018	5mm	25	571.068	4mm	1,18
1126483	BT40BWN12063M	12	42	63	40	10	SS03M023	6mm	35	571.074	5mm	1,26
1126844	BT40BWN14063M	14	44	63	40	10	SS03M023	6mm	35	571.074	5mm	1,28
1126845	BT40BWN16063M	16	48	63	43	10	SS03M025	6mm	50	571.075	6mm	1,34
1126846	BT40BWN18063M	18	50	63	43	10	SS03M025	6mm	50	571.075	6mm	1,36
1126847	BT40BWN20063M	20	52	63	45	10	SS03M026	8mm	95	571.076	6mm	1,37
1126848	BT40BWN25090M	25	65	90	55	10	SS03M027	10mm	135	571.077	6mm	2,21
1126849	BT40BWN32100M	32	72	100	54	10	SS03M029	10mm	160	571.077	6mm	2,63

NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw and stop screw.
 Lock screw or stop screw wrenches not included.
 For retention knobs, see page L45.

Form AD					
Form B					
	40	(2x) MS2221S	2,5mm		
	50	(2x) MS1296S	3mm		

BT40 Shank Tools

Whistle Notch™ Adapters Short • Whistle Notch Tap Chuck Adapters Short TA



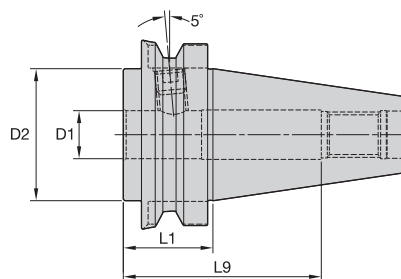
ERICKSON™

■ SWN MM-BT Form B/AD

order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	stop screw	wrench size stop screw	Nm	kg
1126479	BT40BSWN25075M	25	65	75	44	15	SS03M027	10mm	571.066	10mm	135	1,90
1126480	BT40BSWN32075M	32	72	75	46	17	SS03M029	10mm	571.066	10mm	160	1,98

NOTE: Do not overtighten lock screw; use torque recommendations above.
Supplied with lock screw.
Lock screw wrenches not included.
For retention knobs, see page L45.

Form AD					
Form B					
		40	(2x) MS2221S	2,5mm	
		50	(2x) MS1296S	3mm	

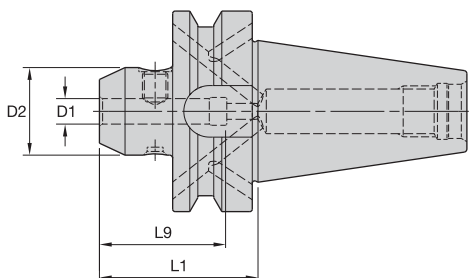


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■ SWN IN-BT Form AD (Tap Chuck Adapter)

order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
1017937	BT40TA1106	1	2.48	1.06	2.50	ELS038031PKG	3/16	15	1.79

NOTE: Do not overtighten lock screw; use torque recommendations above.
Supplied with lock screw.
Lock screw wrench not included.
For retention knobs, see page L45.



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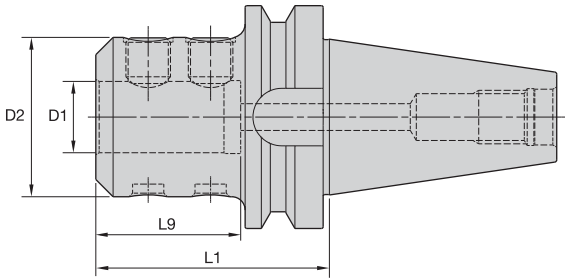
■ EM MM-BT Form B/AD



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
1126851	BT40BEM06050M	6	25	50	40	SS03M012	3mm	7	1,02
1126852	BT40BEM08050M	8	28	50	40	SS03M014	4mm	15	1,03
1126853	BT40BEM10063M	10	35	63	45	SS03M018	5mm	25	1,17
1127275	BT40BEM12063M	12	42	63	50	SS03M023	6mm	35	1,26
1126914	BT40BEM14063M	14	44	63	50	SS03M023	6mm	35	1,28
1126915	BT40BEM16063M	16	48	63	53	SS03M025	6mm	50	1,33
1126916	BT40BEM18063M	18	50	63	53	SS03M025	6mm	50	1,35
1126917	BT40BEM20063M	20	52	63	55	SS03M026	8mm	95	1,36
1126478	BT40BEM25090M	25	65	90	60	SS03M027	10mm	135	2,24

NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw.
 Lock screw wrench not included.
 For retention knobs, see page L45.

Form AD	✓	✗	40	(2x) MS2221S	2,5mm
Form B	✗	✓	50	(2x) MS1296S	3mm



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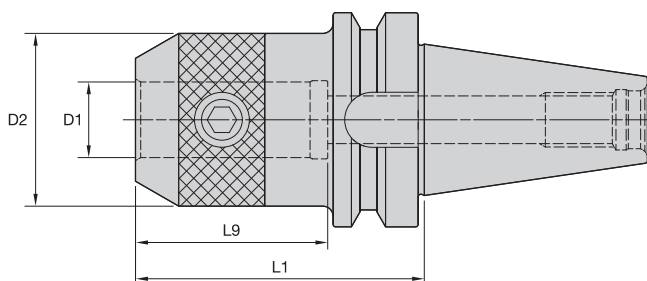
■ EM MM-BT Form AD



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
1156359	BT40EM32110M	32	72	110	65	SS03M029	10mm	160	2,91

(continued)

(EM BT Form AD continued)

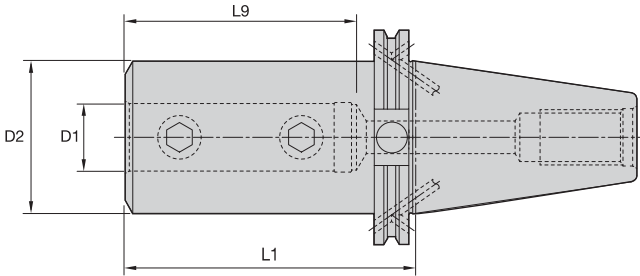


EM IN-BT Form AD



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
1258164	BT40EM025255	1/4	1.00	2.55	3.93	ELS025025PKG	1/8	5	2.35
1258165	BT40EM031255	5/16	1.00	2.55	3.93	ELS031031PKG	5/32	11	2.35
1258166	BT40EM038255	3/8	1.00	2.55	3.93	ELS038031PKG	3/16	15	2.32
1026620	BT40EM050255	1/2	1.38	2.55	3.93	ELS044038PKG	7/32	20	2.52
1064863	BT40EM050400	1/2	1.38	4.00	5.38	ELS044038PKG	7/32	20	3.03
1258176	BT40EM062255	5/8	1.63	2.55	2.09	ELS056050PKG	1/4	40	2.69
1084589	BT40EM075150	3/4	1.68	1.50	2.22	ELS062050PKG	5/16	70	2.08
1258177	BT40EM075255	3/4	1.75	2.55	2.22	ELS062050PKG	5/16	70	2.73
1258184	BT40EM088335	7/8	2.00	3.35	2.22	ELS062050PKG	5/16	70	3.58
1084590	BT40EM100162	1	2.04	1.63	2.46	DWG ELS075044	3/8	110	2.00
1150875	BT40EM100374	1	2.00	3.74	2.56	ELS075056PKG	3/8	110	3.73
1064864	BT40EM100500	1	2.00	5.00	4.49	ELS075056PKG	3/8	110	4.42
1084591	BT40EM125250	1 1/4	2.46	2.50	2.51	ELS075062PKG	3/8	110	3.05
1258194	BT40EM125335	1 1/4	2.40	3.35	2.51	ELS075056PKG	3/8	110	3.95

NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw.
 Lock screw wrench not included.
 For retention knobs, see page L45.



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■ SSF IN-BT Form B/AD

order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
1749289	BT40BSSF075325	3/4	1.75	3.25	2.25	ELS062050PKG	5/16	70	3.22
1749290	BT40BSSF100425	1	1.97	4.25	3.25	DWG ELS075050	3/8	110	4.01
1749292	BT40BSSF125500	1 1/4	2.50	5.00	3.50	ELS075056PKG	3/8	110	5.83

NOTE: Do not overtighten lock screw; use torque recommendations above.
Supplied with lock screw.
Lock screw wrench not included.
For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



KM MicroTM Quick Change Tooling System

A smaller, more compact version of the internationally renowned KMTM system.

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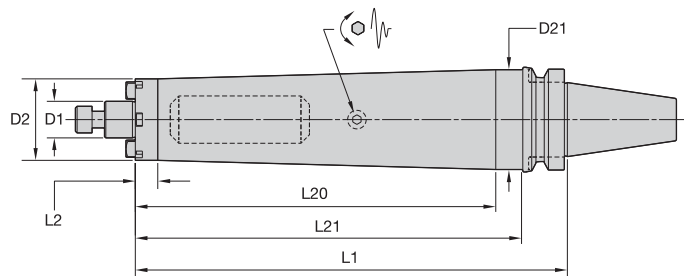
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BT40 Shank Tools

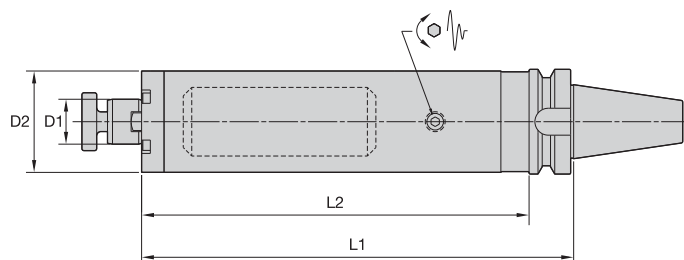
Tunable Shell Mill Adapters with Through Coolant



ERICKSON

■ SMC TD Cap MM-BT Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L20	L21	lock screw	drive key	wrench size lock screw	kg
4135487	BT40BTDSMC22260M	22	49	60	260	14	217	233	MS1234	KDK22M	8mm	5,06

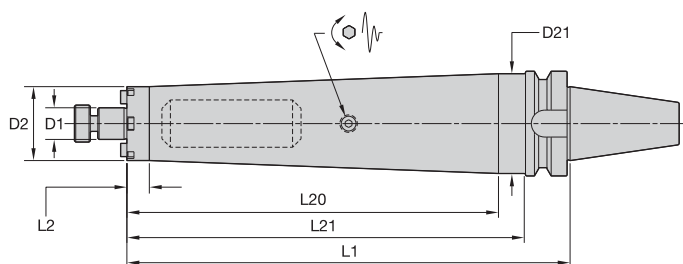


■ SMC TD Lock MM-BT Form B/AD

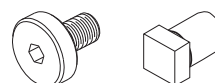
order number	catalog number	D1	D2	L1	L2	socket-head cap screw	drive key	wrench size retention screw	Nm	kg
4135488	BT40BTDSMC27260M	27	61	260	233	KLSS27M	—	10mm	—	5,96

(continued)

(SMC TD BT Form B/AD continued)



■ SMC TD Lock IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L20	L21	lock screw	drive key	wrench size lock screw	lbs
4135489	BT40BTDSMC0751050	3/4	1.75	2.36	10.50	.53	8.80	9.44	KLS07	KDK05	1/4	10.67
4135490	BT40BTDSMC1001050	1	2.75	—	10.50	10.50	—	—	KLS10	KDK06	5/16	16.86

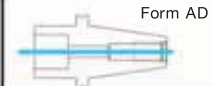
NOTE: Do not overtighten lock screw.

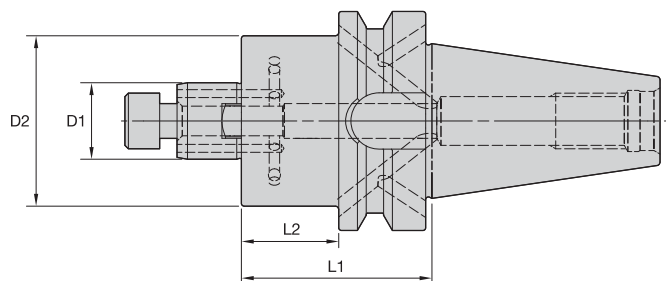
Supplied with lock screw and drive keys.

Interchangeable coolant-style lock screws are available and must be ordered separately; see page L38.

Lock screw wrench not included.

For retention knobs, see page L45.

Form AD					
					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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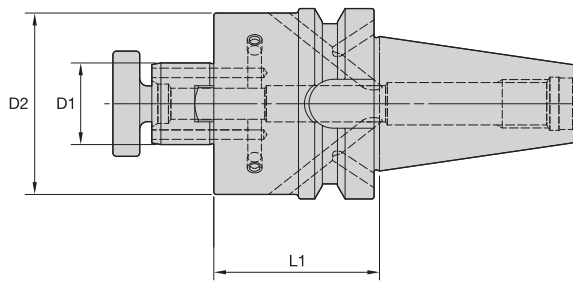
■ SMC Cap MM-BT Form B/AD



order number	catalog number	D1	D2	L1	L2	lock screw	drive key	wrench size lock screw	kg
3752232	BT40BSM2C16050M	16	38	50	23	MS1294	KDK16M	6mm	1,16
3752234	BT40BSM2C16075M	16	38	75	48	MS1294	KDK16M	6mm	1,35
3752236	BT40BSM2C16100M	16	38	100	73	MS1294	KDK16M	6mm	1,55
3752231	BT40BSMC16050M	16	44	50	23	MS1294	KDK16M	6mm	1,23
3752233	BT40BSMC16075M	16	44	75	48	MS1294	KDK16M	6mm	1,50
3752235	BT40BSMC16100M	16	44	100	73	MS1294	KDK16M	6mm	1,77
3752238	BT40BSM2C22055M	22	42	55	28	MS1234	—	8mm	1,30
3752241	BT40BSM2C22100M	22	42	100	73	MS1234	—	8mm	1,75
3752243	BT40BSM2C22150M	22	42	150	123	MS1234	—	8mm	2,26
3752237	BT40BSMC22055M	22	49	55	28	MS1234	KDK22M	8mm	1,41
3752239	BT40BSMC22100M	22	49	100	73	MS1234	KDK22M	8mm	2,03
3752242	BT40BSMC22150M	22	49	150	123	MS1234	KDK22M	8mm	2,74

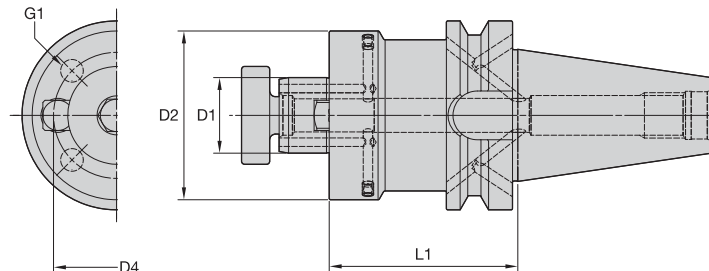
(continued)

(SMC BT Form B/AD continued)



■ SMC Lock MM-BT Form B/AD

order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	kg
3752244	BT40BSC27055M	27	60	55	KLSS27M	KDK22M	10mm	2
3752245	BT40BSC27100M	27	60	100	KLSS27M	KDK22M	10mm	3
3752246	BT40BSC27150M	27	60	150	KLSS27M	KDK22M	10mm	4
3752247	BT40BSC32060M	32	78	60	KLSS32M	KDK32M	14mm	2
3752248	BT40BSC32100M	32	78	100	KLSS32M	KDK32M	14mm	3



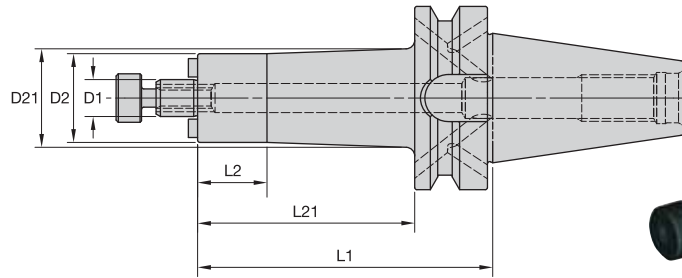
■ SMC DIR MM-BT Form B/AD

order number	catalog number	D1	D2	L1	G1	D4	lock screw	drive key	wrench size lock screw	kg
3752249	BT40BSC40060M	40	89	60	M12 X 1.75	66,7	KLSS40M	KDK40M	17mm	3
3752250	BT40BSC40100M	40	89	100	M12 X 1.75	66,7	KLSS40M	KDK40M	17mm	4

(continued)

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

(SMC BT Form B/AD continued)



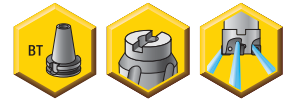
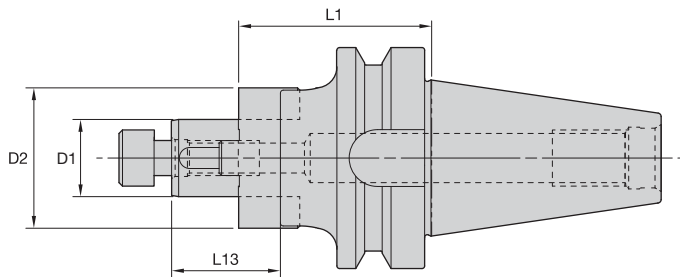
■ SMC Lock IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L21	lock screw	drive key	wrench size lock screw	lbs
3648655	BT40BSM2C050177	1/2	1.20	—	1.77	.71	—	KLS05	KDK04	3/16	2.36
3648657	BT40BSM2C050400	1/2	1.20	1.34	4.00	.94	2.94	KLS05	KDK04	3/16	3.05
3648654	BT40BSMC050177	1/2	1.44	—	1.77	.71	—	KLS05	KDK04	3/16	2.41
3648656	BT40BSMC050400	1/2	1.44	1.58	4.00	.94	2.94	KLS05	KDK04	3/16	3.42
3648659	BT40BSM2C075177	3/4	1.46	—	1.77	.71	—	KLS07	—	1/4	2.47
3648662	BT40BSM2C075400	3/4	1.46	—	4.00	2.94	—	KLS07	—	1/4	3.39
3648658	BT40BSMC075177	3/4	1.75	—	1.77	.71	—	KLS07	KDK05	1/4	2.62
3648661	BT40BSMC075400	3/4	1.75	—	4.00	2.94	—	KLS07	KDK05	1/4	3.99
3648663	BT40BSMC075600	3/4	1.75	—	6.00	4.94	—	KLS07	KDK05	1/4	5.22
3648665	BT40BSM2C100177	1	2.19	—	1.77	.71	—	KLS10	KDK06	5/16	3.00
3648667	BT40BSM2C100400	1	2.19	—	4.00	2.94	—	KLS10	KDK06	5/16	5.30
3648664	BT40BSMC100177	1	2.75	—	1.77	1.77	—	KLS10	KDK06	5/16	3.31
3648666	BT40BSMC100400	1	2.75	—	4.00	4.00	—	KLS10	KDK06	5/16	6.09
3648668	BT40BSMC100600	1	2.75	—	6.00	6.00	—	KLS10	KDK06	5/16	8.50
3648669	BT40BSMC125236	1 1/4	2.88	—	2.36	2.36	—	KLS12	KDK08	5/16	4.41
3648670	BT40BSMC125500	1 1/4	2.88	—	5.00	5.00	—	KLS12	KDK08	5/16	7.65
3648671	BT40BSMC150236	1 1/2	3.63	—	2.36	2.36	—	KLS15	KDK10	3/8	5.59
3648672	BT40BSMC150500	1 1/2	3.81	—	5.00	5.00	—	KLS15	KDK10	3/8	9.11

NOTE: Do not overtighten lock screw.
 Supplied with lock screw and drive keys.
 Interchangeable coolant-style lock screws are available and must be ordered separately; see page L38.
 Lock screw wrench not included.
 For retention knobs, see page L45.

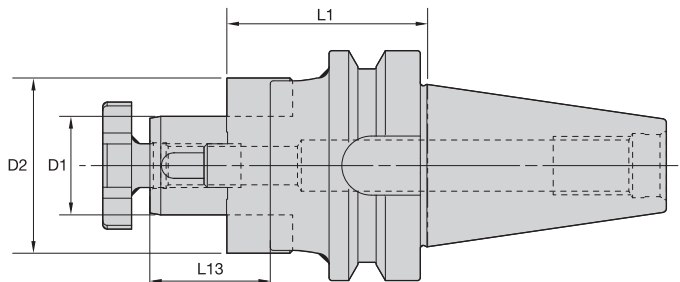
Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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■ CS MM-BT Form AD

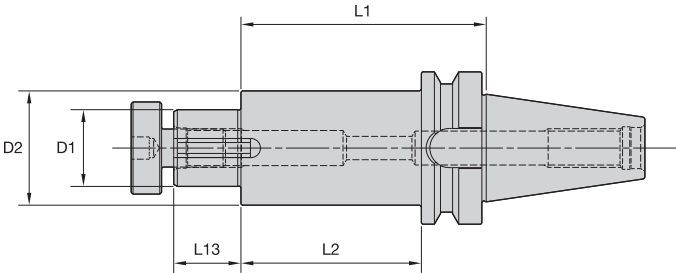
order number	catalog number	D1	D2	L1	L13	lock screw	wrench size lock screw	combi driver ring	combi drive key	kg
1191713	BT40CS16055M	16	32	55	27	MS1294	6mm	CDR16M	CDK16M	1,15
1191714	BT40CS16100M	16	32	100	27	MS1294	6mm	CDR16M	CDK16M	1,41
1191715	BT40CS22055M	22	40	55	31	MS1234	8mm	CDR22M	CDK22M	1,28
1191716	BT40CS22150M	22	40	150	31	MS1234	8mm	CDR22M	CDK22M	2,16



■ CS Lock MM-BT Form AD

order number	catalog number	D1	D2	L1	L13	lock screw	lock screw wrench	combi driver ring	combi drive key	kg
1191717	BT40CS27055M	27	48	55	33	KLS27MPKG	SMW27M	CDR27M	CDK27M	1,47
1191718	BT40CS27150M	27	48	150	33	KLS27MPKG	SMW27M	CDR27M	CDK27M	2,73
1191719	BT40CS32060M	32	58	60	38	KLS32M	SMW32M	CDR32M	CDK32M	1,80
1191720	BT40CS32150M	32	58	150	38	KLS32M	SMW32M	CDR32M	CDK32M	3,62
1191721	BT40CS40080M	40	70	80	41	KLS40M	SMW40M	CDR40M	CDK40M	2,75

NOTE: Do not overtighten lock screw.
 Supplied with lock screw, combi drive ring, and drive keys.
 Lock screw wrench not included.
 For retention knobs, see page L45.



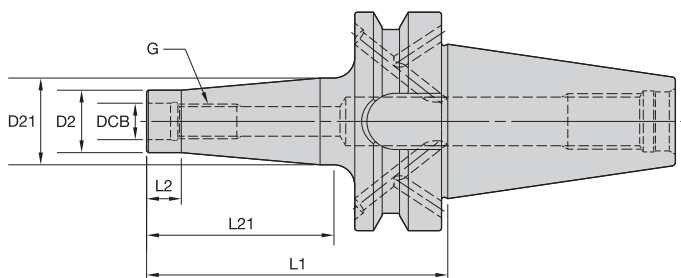
ERICKSON™

■ SA IN-BT Form AD



order number	catalog number	D1	D2	L1	L13	L2	lock screw	wrench size lock screw	drive key	lbs
1026219	BT40SA100400	1	1.61	4.00	.94	2.94	KLS10	5/16	DWG SDK100106	3.99
1026220	BT40SA125400	1 1/4	1.86	4.00	1.09	2.94	KLS12	5/16	DWG SDK125119	4.86

NOTE: Do not overtighten lock screw.
Supplied with lock screw and drive key.
Lock screw wrench not included.
For retention knobs, see page L45.
Interchangeable coolant style lock screws are available and must be ordered separately; see page L38.



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■ ST-BT Form B/AD

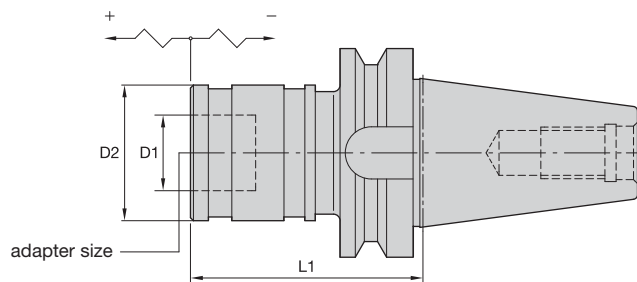
order number	catalog number	DCB	G	D2	D21	L1	L2	L21	kg
4066159	BT40BST06047M	6,5	M6	10	—	47	14	—	0,94
4066160	BT40BST06067M	6,5	M6	10	13	67	10	34	0,96
4066161	BT40BST06087M	6,5	M6	10	20	87	10	54	1,01
4066162	BT40BST06107M	6,5	M6	10	23	107	10	74	1,06
4066303	BT40BST08047M	8,5	M8	13	—	47	14	—	0,95
4066304	BT40BST08067M	8,5	M8	13	15	67	10	34	0,99
4066305	BT40BST08087M	8,5	M8	13	23	87	10	54	1,04
4066306	BT40BST08107M	8,5	M8	13	23	107	10	74	1,07
4066307	BT40BST10047M	10,5	M10	18	—	47	14	—	0,98
4066308	BT40BST10067M	10,5	M10	18	20	67	10	34	1,02
4066309	BT40BST10087M	10,5	M10	18	25	87	10	54	1,07
4066310	BT40BST10107M	10,5	M10	18	28	107	10	74	1,20
4066311	BT40BST12047M	12,5	M12	21	—	47	14	—	0,98
4066312	BT40BST12067M	12,5	M12	21	24	67	10	34	1,04
4066313	BT40BST12087M	12,5	M12	21	24	87	10	54	1,10
4066314	BT40BST12107M	12,5	M12	21	31	107	10	74	1,25
4066315	BT40BST12127M	12,5	M12	21	31	127	10	94	1,32
4066316	BT40BST16047M	17,0	M16	29	—	47	14	—	1,01
4066317	BT40BST16067M	17,0	M16	29	—	67	34	—	1,10
4066318	BT40BST16087M	17,0	M16	29	34	87	10	54	1,25
4066319	BT40BST16107M	17,0	M16	29	34	107	10	74	1,36
4066320	BT40BST16127M	17,0	M16	29	39	127	10	94	1,58

NOTE: For retention knobs, see page L45.

Form AD	✓				
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

BT40 Shank Tools

Tap Chucks RC Tension and Compression • RC Solid

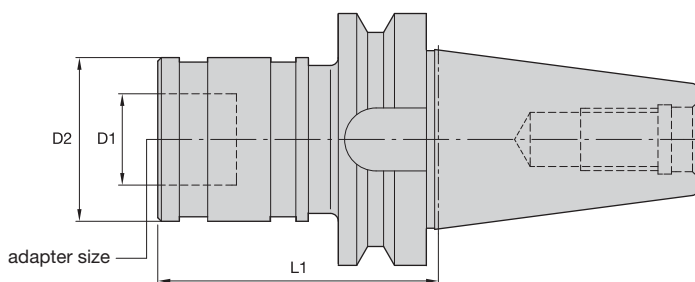


ERICKSON

RC-BT Form A

order number	catalog number	adapter size	tap size		D1	D2	L1	tension	compression	kg
			mm	in						
1125829	BT40RC1067M	1	M1 - M14	#0 - 9/16	19	36	67	7,5	7,5	2,00
1125812	BT40RC2094M	2	M5 - M24	5/16 - 7/8	31	53	94	12,5	12,5	2,20

NOTE: Quick-change tap adapters are available and must be ordered separately; see page J76.
For retention knobs, see page L45.

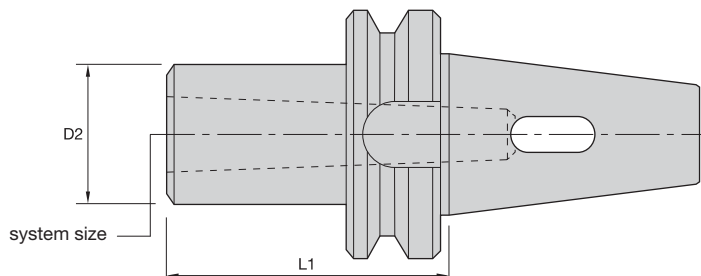


ERICKSON

STRC-BT Form A

order number	catalog number	adapter size	tap size		D1	D2	L1	kg
			mm	in				
1778911	BT40STRC1074M	1	M1 - M14	#0 - 9/16	19	36	74	1,40
1778973	BT40STRC2089M	2	M5 - M24	5/16 - 7/8	31	53	89	1,70

NOTE: Quick-change tap adapters are available and must be ordered separately; see page J76.
For retention knobs, see page L45.

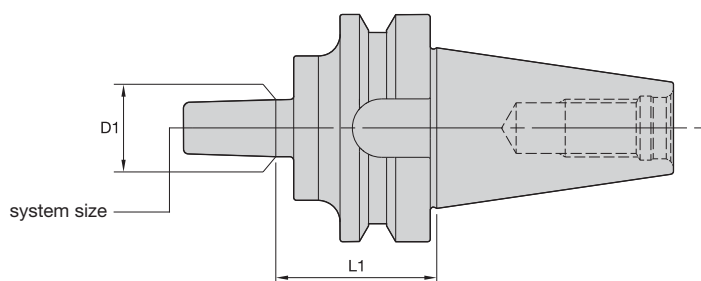


ERICKSON

■ MT-BT Form A

order number	catalog number	system size	D2	L1	kg
1156364	BT40MT1050M	1	25	50	1,01
1191735	BT40MT2050M	2	32	50	1,06
1191736	BT40MT3070M	3	40	70	1,13
1191737	BT40MT4095M	4	48	95	1,33

NOTE: For retention knobs; see page L45.



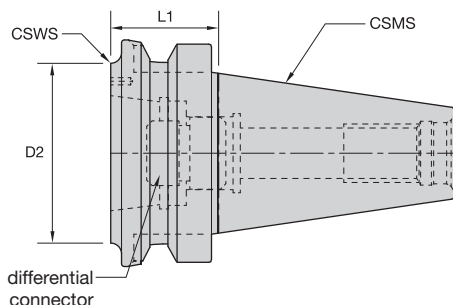
ERICKSON

■ JT-BT Form A

order number	catalog number	system size	D1	L1	kg
1156363	BT40JT33045M	33	15,85	45	1,12

NOTE: For retention knobs, see page L45.

- Differential connector included.



ERICKSON

■ BT to KR JIS B6339 Adapters AD/B • Metric



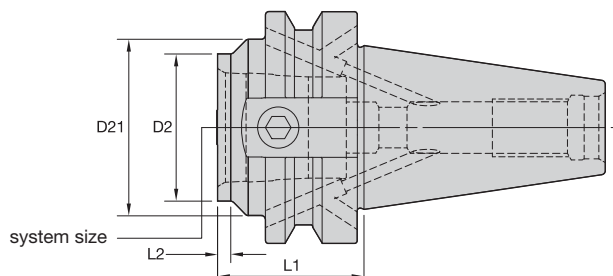
order number	catalog number	CSMS system size	CSWS system size	D2	L1	differential connector	kg	reference head
3554372	BT40BKR32030M	BT40	KR32	50	30	KRDCKR32M	1,20	SVS00B,0B,1B,2B,3B,SVUBB1,BB2
3554373	BT40BKR50050M	BT40	KR50	63	50	KRDCKR50M	1,26	SVS4B,5B,SVU65,SVUBB2

■ BT to KR JIS B6339 Adapters AD/B • Inch



order number	catalog number	CSMS system size	CSWS system size	D2	L1	differential connector	lbs	reference head
3554372	BT40BKR32030M	BT40	KR32	1.97	1.180	KRDCKR32M	2.63	SVS00B,0B,1B,2B,3B,SVUBB1,BB2
3554373	BT40BKR50050M	BT40	KR50	2.48	1.970	KRDCKR50M	2.80	SVS4B,5B,SVU65,SVUBB2

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



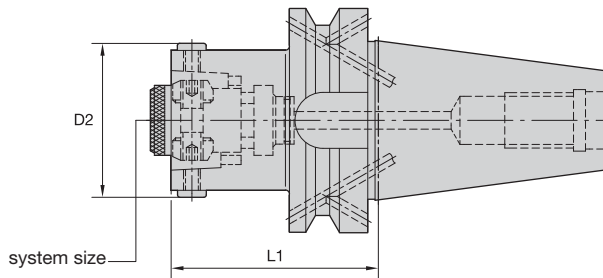
■ KM-BT Form B/AD



order number	catalog number	system size	D2	D21	L1	L2	KM spare parts package	wrench size actuation screw	Nm	kg
3783935	BT40BKM32040M	KM32	32	40	40	3	KM32PKG3L	5mm	8-11	1,01
3783945	BT40BKM32090M	KM32	32	—	90	63	KM32PKG3S	5mm	8-11	1,25
3783946	BT40BKM40040M	KM40	40	48	40	4	KM40PKG3L	6mm	12-16	1,03
3783947	BT40BKM40100M	KM40	40	—	100	73	KM40PKG3S	6mm	12-16	1,52
3783948	BT40BKM50060M	KM50	50	—	60	33	KM50PKG3S	10mm	27-34	1,26
3783949	BT40BKM50120M	KM50	50	—	120	93	KM50PKG3S	10mm	27-34	2,11

NOTE: Do not overtorque actuation screw; use torque recommendations above.
Supplied with KM actuation mechanism.
For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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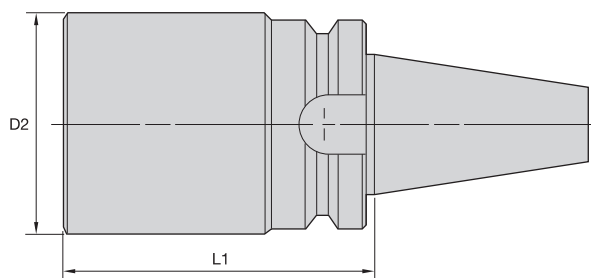
■ **HSK-BT Form B/AD**

order number	catalog number	system size	D2	L1	wrench size actuation screw	Nm	kg
1519684	BT40BHSK32050M	HSK32	37	50	3mm	6	1,00
1519685	BT40BHSK40060M	HSK40	45	60	3mm	8	1,10
1499750	BT40BHSK50070M	HSK50	55	70	4mm	15	1,10
1519688	BT40BHSK63075M	HSK63	70	75	5mm	20	1,40

NOTE: Do not overtorque actuation screw; use torque recommendations above.
 Supplied with actuation mechanism and sealing ring.
 For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

- Machinable front 20–30 RW C.



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■ **BB-BT Form A**

order number	catalog number	D2	L1	kg
1258120	BT40BB063280M	63	280	7,12
1258122	BT40BB104200M	104	200	11,77

NOTE: For retention knobs, see page L45.





KMTM The ISO 26622 **QUICK CHANGE** Standard

KMTM Quick-Change Tooling — the ISO 26622 Standard.

- Our unique three-surface taper contact design makes this the most rigid and accurate modular quick-change tooling system available.
- It's highly versatile, too: can be fully and easily employed on your lathe, machining center, multi-spindle, or mill-turn machine — significantly reducing your tool-change and part setup downtime!

www.kennametal.com





ERICKSON™ BT V-Flange Shank Tooling System • BT50 Series

Primary Application

ERICKSON V-Flange BT Taper Tooling is manufactured from premium materials and meets or exceeds the latest JIS B 6339 specification and ISO-1947 taper accuracy of AT3 specification standards. The BT50 tools are either pre-balanced to a high specification or balanced-by-design. For high speed applications Kennametal recommends that the complete toolholder assembly (toolholder, retention knobs, collets, hardware, and cutting tools) be balanced as one entity. Exact RPM limits can only be determined by considering machine and spindle configurations in conjunction with tooling design and safety limits factored as a complete system.



BT — JIS B6339 Shank

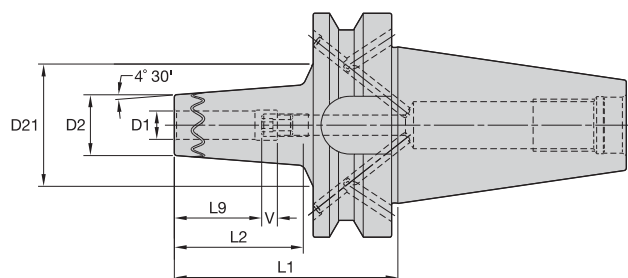
NOTE: Inherent balance conditions — all features are symmetrical.



Features and Benefits

- JIS B 6339 7/24 taper.
- Standard M24 metric drawbar thread.
- Taper accuracy of AT3 specification or better.
- All tools set to form AD coolant specification.
Many can be converted to form B style.
- Maximum 100 bar (1,500 psi) coolant pressure.

- **SAFE-LOCK™**, innovative and unique non-slip system.
- Suitable for carbide and HSS cutting tools.
- Need ≥ 10 kW shrink unit.



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013

ERICKSON

■ **TT SF HPV MM-BT FORM B/AD**

order number	catalog number	D1	D2	D21	L1	L2	L9	V	kg
5090277	BT50BSFTT12100M	12	27	55	100	62	37	10	3,98
5090278	BT50BSFTT14100M	14	33	43	100	62	37	10	4,11
5090279	BT50BSFTT16100M	16	33	43	100	62	40	10	4,08
5090280	BT50BSFTT18100M	18	45	54	100	62	40	10	4,44
5090281	BT50BSFTT20100M	20	45	54	100	62	42	10	4,39
5090282	BT50BSFTT25100M	25	45	54	100	62	48	10	4,29

Cutting Tool Shank Requirements
inch (industry standard)

cutting tool shank diameters	tolerance
1/2 & 5/8	.0000/-0.0004
3/4, 1	.0000/-0.0005

■ **TT SF HPV IN-BT FORM B/AD**

order number	catalog number	D1	D2	D21	L1	L2	L9	V	lbs
5129965	BT50BSFTT050394	1/2	1.06	2.17	3.94	2.44	1.46	.39	8.76
5129966	BT50BSFTT062394	5/8	1.31	1.70	3.94	2.44	1.58	.39	8.99
5129967	BT50BSFTT075394	3/4	1.76	2.14	3.94	2.44	1.65	.39	9.71
5129968	BT50BSFTT100394	1	1.76	2.14	3.94	2.44	1.89	.39	9.45

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Shrink Fit technical section, see page M78.
Shrink Fit accessories, see pages L12–L13.
HSK coolant unit and wrench are available and must be ordered separately; see page L44.

			40	(2x) SFV40	1,5mm
			50	(2x) SFV50	1,5mm

Order Information

Kennametal high-performance end mills with a shank diameter of 12mm (1/2") and larger are available with **SAFE-LOCK™** technology, as a special tool, upon request. Please contact your local customer service location to receive a quote.

Features

- Form-closed clamping.
- High accuracy clamping.
- Helical grooves.

Functions

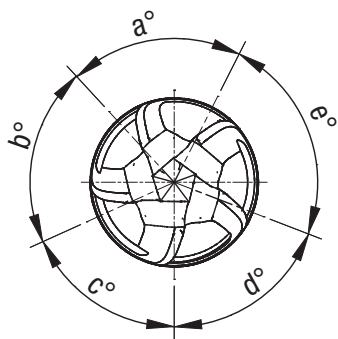
- No pull out.
- Excellent runout.
- Adjustable clamping length.

Benefits

- Reduce scrap rate.
- Higher tool life.
- No need to change NC program after regrounding.



Customized-Solution Example for Highest Metal Removal Rates



The HARVI II UDDE proprietary design with **unequal flute spacing** and unique core geometry for chatter-free machining enables slotting operations in titanium up to 1 x D.

SAFE-LOCK™ by HAIMER

The safety belt for high-performance solid carbide end mills provides a form-closed clamping with high accuracy and helical grooves for length adjustment.



*To learn more, scan here.
For instructions on how to scan,
please see page xxxiii.*

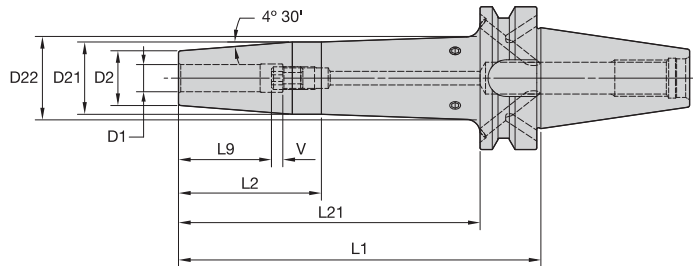


BT50 Shank Tools

Shrink Fit Toolholders General Purpose (GP)



- Balanceable — fine tune with optional M6 set screws.
- Suitable for carbide and HSS cutting tools (requirements below).



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
6	h6	0,000/-0,008
8 & 10	h6	0,000/-0,009
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32	h6	0,000/-0,016

ERICKSON

■ TT GP HPV MM-BT Form B/AD



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3782149	BT50BHPVTT06100M	6	21	27	—	100	62	—	26	10	TTSS05014M	2,5mm	3,69
3782150	BT50BHPVTT06160M	6	21	27	32	160	50	122	26	10	TTSS05014M	2,5mm	4,01
3782151	BT50BHPVTT08100M	8	21	27	—	100	62	—	26	10	TTSS06014M	3mm	3,68
3782152	BT50BHPVTT08160M	8	21	27	32	160	50	122	26	10	TTSS06014M	3mm	4,00
3782153	BT50BHPVTT10100M	10	24	32	—	100	62	—	31	10	TTSS08014M	4mm	3,75
3782154	BT50BHPVTT10160M	10	24	32	36	160	63	122	31	10	TTSS08014M	4mm	4,16
3615394	BT50BHPVTT12100M	12	24	32	—	100	63	—	36	10	TTSS10014M	5mm	3,73
3615395	BT50BHPVTT12160M	12	24	32	36	160	63	122	36	10	TTSS10014M	5mm	4,14
3615396	BT50BHPVTT14100M	14	27	34	—	100	62	—	36	10	TTSS10014M	5mm	3,78
3615397	BT50BHPVTT14160M	14	27	34	38	160	57	122	36	10	TTSS10014M	5mm	4,26
3615398	BT50BHPVTT16100M	16	27	34	—	100	62	—	39	10	TTSS12014M	6mm	3,75
3615399	BT50BHPVTT16160M	16	27	34	39	160	56	122	39	10	TTSS12014M	6mm	4,22
3615400	BT50BHPVTT18100M	18	33	41	—	100	62	—	39	10	TTSS12014M	6mm	3,90
3615401	BT50BHPVTT18160M	18	33	42	46	160	69	122	39	10	TTSS12014M	6mm	4,58
3615402	BT50BHPVTT20100M	20	33	41	—	100	62	—	41	10	TTSS16014M	8mm	3,87
3615403	BT50BHPVTT20160M	20	33	42	46	160	69	122	41	10	TTSS16014M	8mm	4,53
3615404	BT50BHPVTT25100M	25	44	52	—	100	62	—	47	10	TTSS16014M	8mm	4,15
3615405	BT50BHPVTT32100M	32	44	52	—	100	62	—	51	10	TTSS16014M	8mm	4,00

(continued)

(TT GP HPV BT Form B/AD continued)

Cutting Tool Shank Requirements
inch (industry standard)

cutting tool shank diameters	tolerance
1/4, 5/16, & 3/8	.0000/- .0004
7/16, 1/2, & 5/8	.0000/- .0004
3/4, 7/8, 1, & 1-1/4	.0000/- .0005

■ TT GP HPV IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L21	L9	V	stop screw	wrench size stop screw	lbs
3782155	BT50BHPVTT025394	1/4	.83	1.06	3.94	2.44	—	1.02	.39	TTSS05014M	2,5mm	8.14
3782156	BT50BHPVTT025787	1/4	.83	1.06	7.87	1.97	6.38	1.02	.39	TTSS05014M	2,5mm	9.42
3782157	BT50BHPVTT031394	5/16	.83	1.06	3.94	2.44	—	1.02	.39	TTSS06014M	3mm	8.12
3782158	BT50BHPVTT031787	5/16	.83	1.06	7.87	1.97	6.38	1.02	.39	TTSS06014M	3mm	9.41
3782159	BT50BHPVTT038394	3/8	.95	1.26	3.94	2.44	—	1.22	.39	TTSS08014M	4mm	8.26
3782160	BT50BHPVTT038787	3/8	.95	1.26	7.87	2.48	6.38	1.22	.39	TTSS08014M	4mm	9.92
3782161	BT50BHPVTT044394	7/16	.95	1.26	3.94	2.44	—	1.42	.39	TTSS10014M	5mm	8.24
3615382	BT50BHPVTT050394	1/2	.95	1.26	3.94	2.44	—	1.42	.39	TTSS10014M	5mm	8.21
3615383	BT50BHPVTT050787	1/2	.95	1.26	7.87	2.48	6.38	1.42	.39	TTSS10014M	5mm	9.87
3615384	BT50BHPVTT062394	5/8	1.06	1.34	3.94	2.44	—	1.54	.39	TTSS12014M	6mm	8.28
3615385	BT50BHPVTT062787	5/8	1.06	1.34	7.87	2.20	6.38	1.54	.39	TTSS12014M	6mm	10.14
3615386	BT50BHPVTT075394	3/4	1.30	1.61	3.94	2.44	—	1.61	.39	TTSS16014M	8mm	8.55
3615387	BT50BHPVTT075787	3/4	1.30	1.65	7.87	2.72	6.38	1.61	.39	TTSS16014M	8mm	11.17
3615388	BT50BHPVTT088394	7/8	1.30	1.61	3.94	2.44	—	1.61	.39	TTSS16014M	8mm	8.46
3615389	BT50BHPVTT088787	7/8	1.30	1.65	7.87	2.72	6.38	1.61	.39	TTSS16014M	8mm	11.08
3615390	BT50BHPVTT100394	1	1.73	2.05	3.94	2.44	—	1.85	.39	TTSS16014M	8mm	9.14
3615391	BT50BHPVTT100787	1	1.73	2.08	7.87	2.72	6.38	1.85	.39	TTSS16014M	8mm	13.21
3615392	BT50BHPVTT125394	1 1/4	1.73	2.05	3.94	2.44	—	2.01	.39	TTSS16014M	8mm	8.82
3615393	BT50BHPVTT125787	1 1/4	1.73	2.08	7.87	2.72	6.38	2.01	.39	TTSS16014M	8mm	12.88

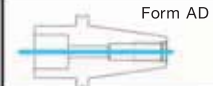
NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Supplied with stop screw.

Adjusting stop screw gage, see page M81.

Optional M6~1.0P x 5mm lg fine-balancing screw set (10 pieces) is available. Order number is MS1276PKG and must be ordered separately.

For retention knobs, see page L45.

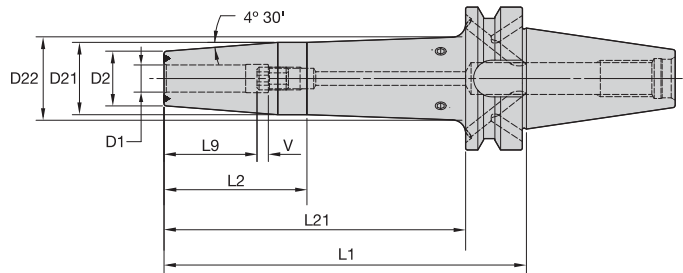
Form AD						
Form B				40	(2x) MS2221S	2,5mm
				50	(2x) MS1296S	3mm

BT50 Shank Tools

Shrink Fit Toolholders High Torque (HT)



- 30–50% higher clamping torque compared to GP line.
- Balanceable — fine tune with optional M6 set screws.
- Suitable for carbide only, designated by groove in front face (requirements below).
- 10 kW power or greater Shrink Fit device must be used.



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32	h6	0,000/-0,016

ERICKSON

■ TT HT HPV MM-BT Form B/AD



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3615487	BT50BHPVTTH12100M	12	24	32	—	100	62	—	36	10	TTSS10014M	5mm	3,73
3615488	BT50BHPVTTH12160M	12	24	32	36	160	63	122	36	10	TTSS10014M	5mm	4,15
3615489	BT50BHPVTTH14100M	14	27	34	—	100	62	—	36	10	TTSS10014M	5mm	3,78
3615490	BT50BHPVTTH14160M	14	27	34	38	160	57	122	36	10	TTSS10014M	5mm	4,26
3615491	BT50BHPVTTH16100M	16	27	34	—	100	62	—	39	10	TTSS12014M	6mm	3,76
3615492	BT50BHPVTTH16160M	16	27	34	39	160	56	122	39	10	TTSS12014M	6mm	4,23
3615493	BT50BHPVTTH18100M	18	33	41	—	100	62	—	39	10	TTSS12014M	6mm	3,90
3615494	BT50BHPVTTH18160M	18	33	42	46	160	69	122	39	10	TTSS12014M	6mm	4,58
3615495	BT50BHPVTTH20100M	20	33	41	—	100	62	—	41	10	TTSS16014M	8mm	3,87
3615496	BT50BHPVTTH20160M	20	33	42	46	160	69	122	41	10	TTSS16014M	8mm	4,54
3615497	BT50BHPVTTH25100M	25	44	52	—	100	62	—	47	10	TTSS16014M	8mm	4,16
3615498	BT50BHPVTTH32100M	32	44	52	—	100	62	—	51	10	TTSS16014M	8mm	4,00

(continued)

(TT HT HPV BT Form B/AD continued)

Cutting Tool Shank Requirements
inch (industry standard)

cutting tool shank diameters	tolerance
1/2 & 5/8	.0000/- .0004
3/4, 7/8, 1, & 1-1/4	.0000/- .0005

■ TT HT HPV IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L21	L9	V	stop screw	wrench size stop screw	lbs
3615474	BT50BHPVTTH050394	1/2	.95	1.26	3.94	2.44	—	1.42	.39	TTSS10014M	5mm	8.21
3615475	BT50BHPVTTH050787	1/2	.95	1.26	7.87	2.48	6.38	1.42	.39	TTSS10014M	5mm	9.87
3615476	BT50BHPVTTH062394	5/8	1.06	1.34	3.94	2.44	—	1.54	.39	TTSS12014M	6mm	8.28
3615477	BT50BHPVTTH062787	5/8	1.06	1.34	7.87	2.20	6.38	1.54	.39	TTSS12014M	6mm	10.14
3615479	BT50BHPVTTH075394	3/4	1.30	1.61	3.94	2.44	—	1.61	.39	TTSS16014M	8mm	8.55
3615480	BT50BHPVTTH075787	3/4	1.30	1.65	7.87	2.72	6.38	1.61	.39	TTSS16014M	8mm	11.17
3615481	BT50BHPVTTH088394	7/8	1.30	1.61	3.94	2.44	—	1.61	.39	TTSS16014M	8mm	8.46
3615482	BT50BHPVTTH088787	7/8	1.30	1.65	7.87	2.72	6.38	1.61	.39	TTSS16014M	8mm	11.08
3615483	BT50BHPVTTH100394	1	1.73	2.05	3.94	2.44	—	1.85	.39	TTSS16014M	8mm	9.14
3615484	BT50BHPVTTH100787	1	1.73	2.08	7.87	2.72	6.38	1.85	.39	TTSS16014M	8mm	13.21
3615485	BT50BHPVTTH125394	1 1/4	1.73	2.05	3.94	2.44	—	2.01	.39	TTSS16014M	8mm	8.82
3615486	BT50BHPVTTH125787	1 1/4	1.73	2.08	7.87	2.72	6.38	2.01	.39	TTSS16014M	8mm	12.88

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

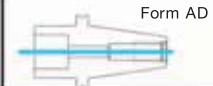
Shrink Fit technical section, see page M78.

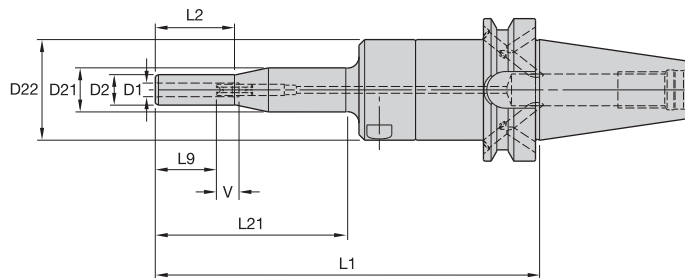
Supplied with stop screw.

Adjusting stop screw gage, see page M81.

Optional M6~1.0P x 5mm lg fine-balancing screw set (10 pieces) is available. Order number is MS1276PKG and must be ordered separately.

For retention knobs, see page L45.

Form AD						
Form B				40	(2x) MS2221S	2,5mm
				50	(2x) MS1296S	3mm



ERICKSON

■ HC Slim-T MM-BT Form B/AD

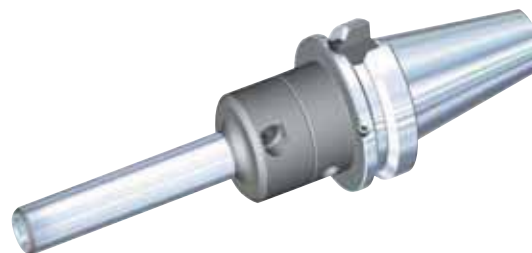
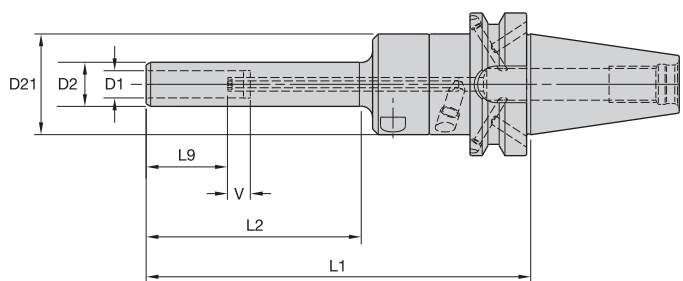
order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	kg
3019242	BT50BHCSLT06200M	6	13,5	19,5	44	200	35	85	27	10	4,55
3019243	BT50BHCSLT08200M	8	15,5	19,5	44	200	35	85	27	10	4,56
3019244	BT50BHCSLT10200M	10	17,5	44,5	—	200	85	162	31	10	4,55

■ Spare Parts

catalog number	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size adjusting screw
BT50BHCSLT06200M	170.135	5mm	170.002	2,5mm
BT50BHCSLT08200M	170.135	5mm	170.002	2,5mm
BT50BHCSLT10200M	170.135	5mm	170.003	3mm

(continued)

(HC Slim BT continued)

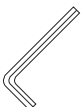


BT50 Shank Tools

■ HC Slim MM-BT Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	kg
2634540	BT50BHCSL12200M	12	19,5	44,5	200	95	36	10	4,34
2634541	BT50BHCSL14200M	14	21,5	52,5	200	95	36	10	4,66
2634542	BT50BHCSL16200M	16	23,5	52,5	200	95	39	10	4,68
2634573	BT50BHCSL18200M	18	25,5	52,5	200	95	39	10	4,73
2634574	BT50BHCSL20200M	20	27,5	52,5	200	95	41	10	4,77

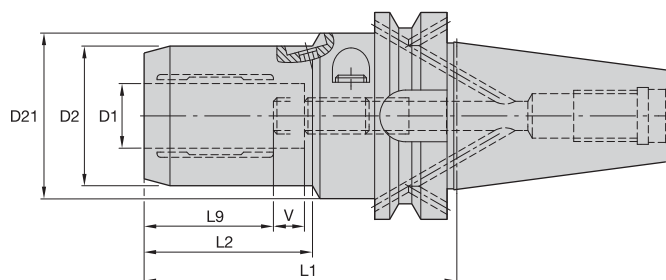
■ Spare Parts

catalog number	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size stop screw
BT50BHCSL12200M	170.135	5mm	170.002	2,5mm
BT50BHCSL14200M	170.135	5mm	170.002	2,5mm
BT50BHCSL16200M	170.135	5mm	170.002	2,5mm
BT50BHCSL18200M	170.135	5mm	170.002	2,5mm
BT50BHCSL20200M	170.135	5mm	170.002	2,5mm

NOTE: Do not overtorque actuation screw. Tighten by hand until stop is felt.
 Hydraulic chuck technical section, see page M84.
 Supplied with stop screw.
 Actuation wrenches must be ordered separately.
 Reduction sleeves are available and must be ordered separately; see page J2.
 For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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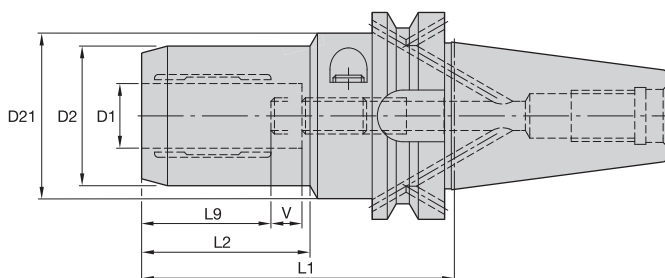
■ HC MM-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size adjusting screw	kg
1315352	BT50BHC06090M	6	25,7	50	90	33	27	10	170.135	5mm	170.002	2,5mm	2,50
1315353	BT50BHC08090M	8	27,7	50	90	34	27	10	170.135	5mm	170.002	2,5mm	2,50
1315354	BT50BHC10095M	10	29,7	50	95	39	31	10	170.135	5mm	170.002	2,5mm	2,50
1315355	BT50BHC12100M	12	31,6	50	100	45	36	10	170.135	5mm	170.002	2,5mm	2,50
1315356	BT50BHC14100M	14	33,6	50	100	42	36	10	170.135	5mm	170.003	3mm	3,00
1315357	BT50BHC16100M	16	37,6	50	100	47	39	10	170.135	5mm	170.003	3mm	3,00
1315358	BT50BHC18100M	18	39,6	50	100	47	39	10	170.135	5mm	170.003	3mm	3,00
1315359	BT50BHC20105M	20	41,6	50	105	48	41	10	170.135	5mm	170.003	3mm	3,00
1315360	BT50BHC25115M	25	49,6	63	115	51	46	10	170.136	6mm	170.004	4mm	4,00
1315778	BT50BHC32120M	32	59,9	63	120	59	50	10	170.136	6mm	170.004	4mm	4,00

NOTE: Do not overtorque actuation screw. Tighten by hand until stop is felt.
Hydraulic chuck technical section, see page M84.
Supplied with stop screw.
Actuation wrench must be ordered separately.
Reduction sleeves are available and must be ordered separately; see page J2.
For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



BT50 Shank Tools

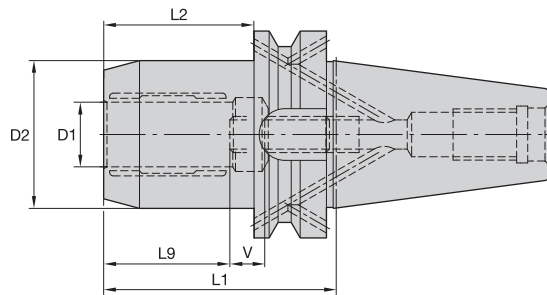
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■ HC Trend IN-HSK Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size adjusting screw	lbs
2263123	BT50BHCT025354	1/4	1.01	1.96	3.54	1.38	1.06	.39	170.135	5mm	170.003	3mm	8.39
2263124	BT50BHCT038374	3/8	1.17	1.96	3.74	1.50	1.22	.39	170.135	5mm	170.003	3mm	8.57
2263125	BT50BHCT050394	1/2	1.24	1.96	3.94	1.57	1.42	.39	170.135	5mm	170.003	3mm	8.70
2263126	BT50BHCT062394	5/8	1.48	1.96	3.94	1.83	1.54	.39	170.135	5mm	170.003	3mm	8.78
2263127	BT50BHCT075413	3/4	1.64	1.96	4.13	1.89	1.61	.39	170.135	5mm	170.005	5mm	9.03
2263128	BT50BHCT100453	1	1.96	2.47	4.53	2.01	1.85	.39	170.136	6mm	170.005	5mm	10.01
2263129	BT50BHCT125472	1 1/4	2.35	2.47	4.72	2.32	2.01	.39	170.136	6mm	170.005	5mm	10.66

NOTE: Do not overtorque actuation screw. Tighten by hand until stop is felt.
 Hydraulic chuck technical section, see page M84.
 Supplied with stop screw.
 Actuation wrench must be ordered separately.
 Reduction sleeves are available and must be ordered separately; see page J2.
 For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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■ HC Basic MM-BT Form B/AD

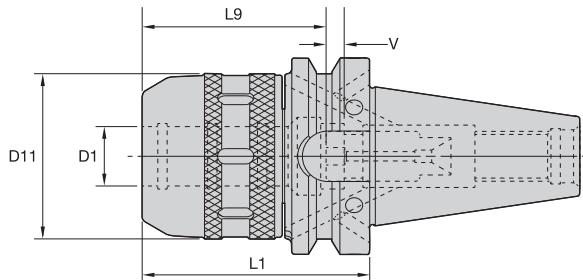
order number	catalog number	D1	D2	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size adjusting screw	kg
1599688	BT50BHCB20105M	20	49,9	105	67	41	10	170.135	5mm	170.005	5mm	4,30

■ HC Basic IN-BT Form B/AD

order number	catalog number	D1	D2	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size adjusting screw	lbs
2263082	BT50BHCB075413	3/4	1.96	4.13	2.64	1.61	.39	170.135	5mm	170.005	5mm	9.52

NOTE: Do not overtorque actuation screw. Tighten by hand until stop is felt.
Hydraulic chuck technical section, see page M84.
Supplied with stop screw.
Actuation wrench must be ordered separately.
Reduction sleeves are available and must be ordered separately; see page J2.
For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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■ HPMC MM-BT Form B/AD

order number	catalog number	D1	D11	L1	L9	V	locknut wrench	stop screw	wrench size stop screw	kg
3578563	BT50BHPMC20105M	20	53	105	50	20	PSW52M	MCSS16040M	2,5mm & 5mm	4,40
3578564	BT50BHPMC20165M	20	53	165	50	20	PSW52M	MCSS16040M	2,5mm & 5mm	5,30
3578565	BT50BHPMC25105M	25	61	105	55	20	PSW58M	MCSS16040M	2,5mm & 5mm	4,60
3578566	BT50BHPMC25165M	25	61	165	55	20	PSW58M	MCSS16040M	2,5mm & 5mm	5,80
3578567	BT50BHPMC32105M	32	74	105	75	20	PSW68M	MCSS16040M	2,5mm & 5mm	4,90
3578568	BT50BHPMC32165M	32	74	165	75	20	PSW68M	MCSS16040M	2,5mm & 5mm	6,50

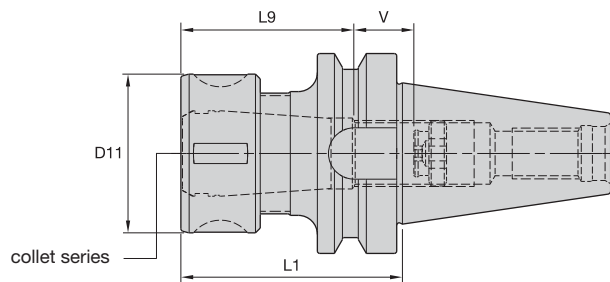
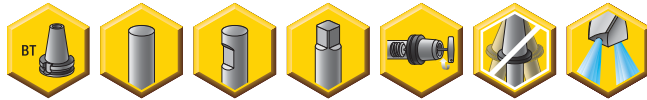
■ HPMC IN-BT Form B/AD

order number	catalog number	D1	D11	L1	L9	V	locknut wrench	stop screw	wrench size stop screw	lbs
3100418	BT50BHPMC075413	3/4	2.09	4.13	1.93	.79	PSW52M	MCSS16040M	2,5mm & 5mm	9.70
3100419	BT50BHPMC100413	1	2.40	4.13	2.17	.79	PSW58M	MCSS16040M	2,5mm & 5mm	10.20
3100420	BT50BHPMC125413	1 1/4	2.91	4.13	2.95	.79	PSW68M	MCSS16040M	2,5mm & 5mm	11.80

NOTE: Milling chuck technical section, see page M88.
 Supplied with locknut and stop screw.
 Locknut wrench not included.
 Optional M6~1,0P fine-balancing screw set is available (order number HPMCBALSCREWSET) and must be ordered separately; see page L14.
 Reduction sleeves are available and must be ordered separately; see page J6.
 For retention knobs, see page L45.

Form AD	✓	✗	✗	✗	✗
Form B	✗	✓	✓	40	(2x) MS2221S 2,5mm
				50	(2x) MS1296S 3mm

- Tremendous Grip (3:1 advantage).



TG collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
TG100	2,6	25,5	5/64	1
TG150	11,6	40,0	23/64	1-1/2

ERICKSON

■ TG Round-BT Form AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size	kg
1156372	BT50TG100090M	TG100	60	90	70	53	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	3,96
1188173	BT50TG100150M	TG100	60	150	70	88	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	5,11
1188172	BT50TG100200M	TG100	60	200	70	88	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	6,08
1191801	BT50TG150100M	TG150	85	100	83	39	LNA150M	HSW80M	271	SS162062G	4mm & 5/32	4,42
1258570	BT50TG150150M	TG150	85	150	83	69	LNA150M	HSW80M	271	SS162062G	4mm & 5/32	6,42

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.

Collet chuck technical section, see page M98.

Supplied with locknut and stop screw.

Locknut wrench must be ordered separately.

Interchangeable locknuts, coolant-style locknuts, and coolant disks are available and must be ordered separately; see pages L16–L17.

Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.

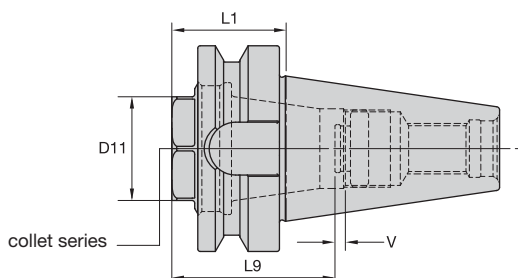
Balanceable/interchangeable locknuts are available and must be ordered separately; see page L16.

TG standard straight-bore collets, see page J10.

TG tap collets, see page J10.

For retention knobs, see page L45.

- Grip (2:1 advantage).



BT50 Shank Tools

ER collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
ER32	2,0	20,0	.08	.81
ER40	3,0	26,0	.12	1.00

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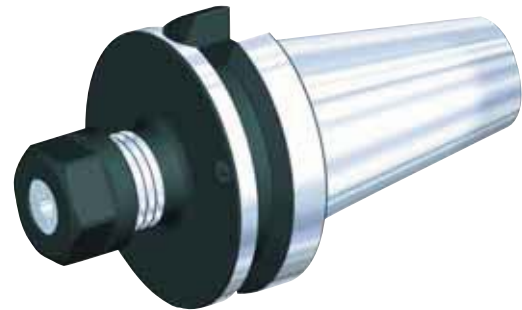
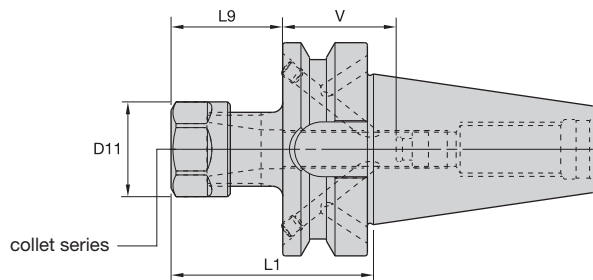
■ ER Short-BT Form AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
2978766	BT50SER32046M	ER32	36	46	50	28	LNEC SER32M	OEW32M	136	SS094041G	4mm & 5/32	3,37
2978767	BT50SER40046M	ER40	46	46	57	21	LNEC SER40M	OEW168	176	SS112041G	4mm & 5/32	3,19

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.
Collet chuck technical section, see page M98.
Supplied with locknut and stop screw.
Locknut wrench must be ordered separately.
Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.
ER standard straight-bore collets, see page J50.
ER tap collets, see pages J58–J59.
ER TCT tension-only tap collets, see page J60.
For retention knobs, see page L45.

- Grip (2:1 advantage).



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■ ER Hex-BT Form B/AD

ER collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
ER16	0,5	10,0	.02	.41
ER20	0,5	13,0	.02	.50
ER25	1,0	16,0	.04	.63
ER32	2,0	20,0	.08	.81
ER40	3,0	26,0	.12	1.00

order number	catalog number	collet series	D11	L1	L9	V	kg
1586520	BT50BER16100M	ER16	28	100	32	48	3,76
1871539	BT50BER16150M	ER16	28	150	32	48	3,93
3847515	BT50BER20100M	ER20	34	100	37	43	3,81
3847516	BT50BER20150M	ER20	34	150	37	63	4,07

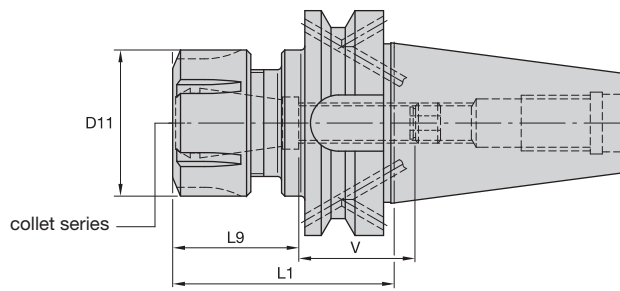
■ Spare Parts



catalog number	locknut	wrench	counterbore collet torque (Nm)	straight collet torque (Nm)	stop screw	wrench size stop screw
BT50BER16100M	LNHSER16M	OEW25M	40	56	SS044038G	4mm & 5/32
BT50BER16150M	LNHSER16M	OEW25M	40	56	SS044038G	4mm & 5/32
BT50BER20100M	LNHSER20M	OEW30M	32	80	SS056041G	4mm & 5/32
BT50BER20150M	LNHSER20M	OEW30M	32	80	SS056041G	4mm & 5/32

(continued)

(ER BT Form B/AD continued)



ER Round-BT Form B/AD

order number	catalog number	collet series	D11	L1	L9	V	kg
1871540	BT50BER25070M	ER25	42	70	40	60	3,67
1871541	BT50BER25150M	ER25	42	150	40	60	4,36
1587031	BT50BER32070M	ER32	50	70	46	38	3,65
1729881	BT50BER32150M	ER32	50	150	46	54	4,64
1556433	BT50BER40080M	ER40	63	80	52	48	3,79
1187371	BT50BER40150M	ER40	63	150	52	48	5,32
3847517	BT50BER40200M	ER40	63	200	52	48	6,33

Spare Parts

catalog number	locknut	wrench	stop screw	wrench size stop screw
BT50BER25070M	LNSER25M	ER25WM	SS075041G	4mm & 5/32
BT50BER25150M	LNSER25M	ER25WM	SS075041G	4mm & 5/32
BT50BER32070M	LNSER32M	ER32WM	SS094041G	4mm & 5/32
BT50BER32150M	LNSER32M	ER32WM	SS094041G	4mm & 5/32
BT50BER40080M	LNSER40M	ER40WM	SS112041G	4mm & 5/32
BT50BER40150M	LNSER40M	ER40WM	SS112041G	4mm & 5/32
BT50BER40200M	LNSER40M	ER40WM	SS112041G	4mm & 5/32

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.
 Collet chuck technical section, see page M98.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 ER standard straight-bore collets, see page J50.
 ER tap collets, see pages J58-J59.
 ER TCT tension-only tap collets, see page J60.
 For retention knobs, see page L45.

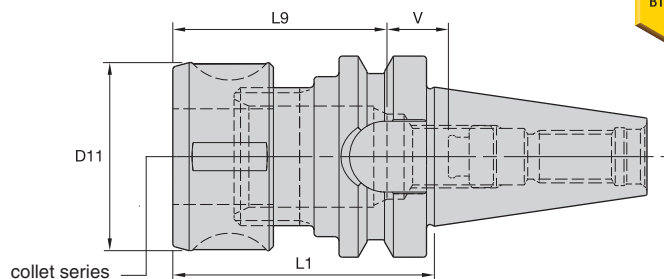
Form AD	✓	✗	40	(2x) MS2221S	2,5mm
Form B	✗	✓	50	(2x) MS1296S	3mm

BT50 Shank Tools

DA 08 Series Double-Angle Collet Chucks • Drill Chucks



- Grip 1:1.



ERICKSON™

■ DA Round-BT Form AD

order number	catalog number	collet series	D11	L1	L9	V	kg
1258441	BT50DA188200M	DA180	1.69	7.87	1.97	1.81	5,00
1197722	BT50DA188150M	DA180	1.69	5.91	1.97	1.81	4,50
1191767	BT50DA188070M	DA180	1.69	2.76	1.97	1.85	3,70

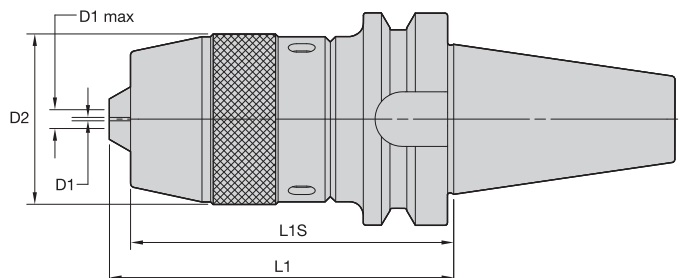
■ Spare Parts

catalog number	locknut	locknut wrench	Nm	stop screw	wrench size stop screw
BT50DA188200M	LNA188M	HSW45M	136	SS081041G	4mm & 5/32
BT50DA188150M	LNA188M	HSW45M	136	SS081041G	4mm & 5/32
BT50DA188070M	LNA188M	HSW45M	136	SS081041G	4mm & 5/32

NOTE: Tighten locknut to the recommended tightening torque.
Collet chuck technical section, see page M98.
Supplied with locknut and stop screw.
Locknut wrench must be ordered separately.
Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.
DA standard straight-bore collets, see page J62.
DA non-pullout collets, see pages J65–J68.
For retention knobs, see page L45.

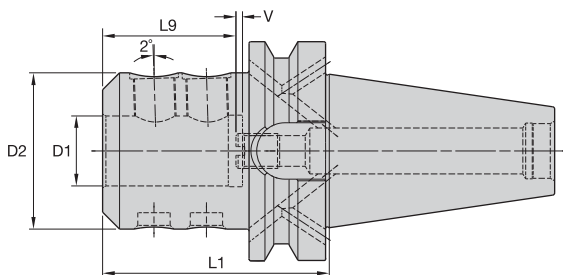
ERICKSON™

■ DC-BT Form A



order number	catalog number	D1		D1 max		D2	L1	L1S	wrench	Nm	kg
		mm	in	mm	in						
3583294	BT50DC13110M	1,0	.039	13,0	.512	51	122	110	PSW45M	55	4,44

NOTE: Tighten to the recommended tightening torque.
Locking wrench not supplied.
For retention knobs, see page L45.



ERICKSON

■ WN MM-BT Form B/AD



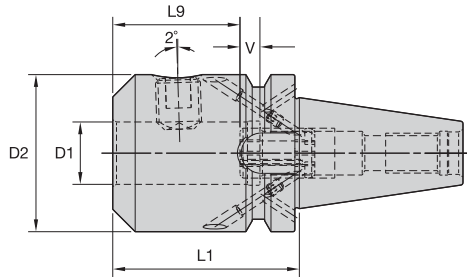
order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
1175468	BT50BWN06063M	6	25	63	30	10	SS03M012	3mm	7	571.060	2,5mm	3,63
1300426	BT50BWN08063M	8	28	63	30	10	SS03M014	4mm	15	571.067	3mm	3,64
1137510	BT50BWN10063M	10	35	63	35	10	SS03M018	5mm	25	571.068	4mm	3,69
1137518	BT50BWN12080M	12	42	80	40	10	SS03M023	6mm	35	571.074	5mm	3,92
1137526	BT50BWN14080M	14	44	80	40	10	SS03M023	6mm	35	571.074	5mm	3,95
1137535	BT50BWN16080M	16	48	80	43	10	SS03M025	6mm	50	571.075	6mm	4,02
1137543	BT50BWN18080M	18	50	80	43	10	SS03M025	6mm	50	571.075	6mm	4,05
1137550	BT50BWN20080M	20	52	80	45	10	SS03M026	8mm	95	571.076	6mm	4,06
1137558	BT50BWN25100M	25	65	100	50	10	SS03M027	10mm	135	571.076	6mm	4,80
1137576	BT50BWN32105M	32	72	105	54	10	SS03M029	10mm	160	571.076	6mm	5,15

NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw and stop screw.
 Lock screw or stop screw wrenches not included.
 For retention knobs, see page L45.

Form AD					
Form B					
		40	(2x) MS2221S	2,5mm	
		50	(2x) MS1296S	3mm	

BT50 Shank Tools

Tap Chuck Adapters Whistle Notch™ Short • Tap Chuck Adapters



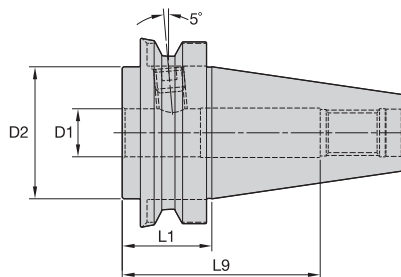
ERICKSON™

■ SWN MM-BT Form B/AD

order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
1134607	BT50BSWN25075M	25	65	75	44	15	SS03M027	10mm	135	571.066	10mm	4,23
1134608	BT50BSWN32075M	32	72	75	46	17	SS03M029	10mm	160	571.066	10mm	4,31

NOTE: Do not overtighten lock screw; use torque recommendations above.
Supplied with lock screw.
Lock screw wrenches not included.
For retention knobs, see page L45.

Form AD	✓				
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



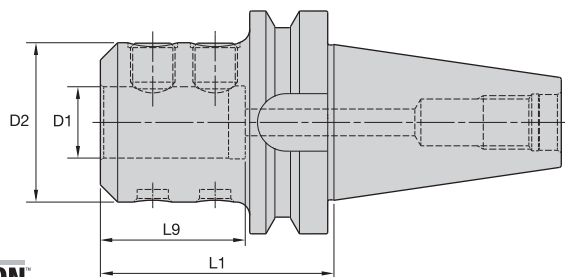
ERICKSON™

■ Tap Chuck Adapter

order number	catalog number	D1	D2	L1	L9	lock screw	wrench size clamp screw	lbs
1017939	BT50TA1187	1	2.75	1.88	4.13	ELS062050PKG	5/16	8.09

NOTE: Do not overtighten drawbar screw.
Supplied with drawbar screw.
Draw bar screw wrench not included.
For retention knobs, see page L45.





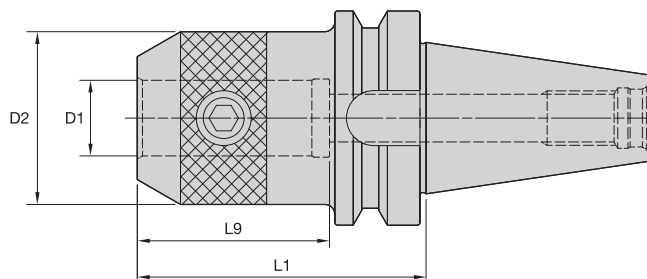
ERICKSON



■ EM MM-BT Form AD



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
1191769	BT50EM06063M	6	25	63	119	SS03M012	3mm	7	3,57
1258446	BT50EM06150M	6	25	150	206	SS03M012	3mm	7	3,87
1191770	BT50EM08063M	8	28	63	119	SS03M014	4mm	15	3,59
1191771	BT50EM10080M	10	35	80	136	SS03M018	5mm	25	3,82
1258453	BT50EM10100M	10	35	100	156	SS03M018	5mm	25	3,88
1191772	BT50EM12080M	12	42	80	136	SS03M023	6mm	35	3,85
1191773	BT50EM16080M	16	48	80	136	SS03M025	6mm	50	3,96
1191774	BT50EM20080M	20	52	80	136	SS03M026	8mm	95	4,01
1191776	BT50EM25105M	25	65	105	60	SS03M027	10mm	135	4,88
1156369	BT50EM32105M	32	72	105	65	SS03M029	10mm	160	5,11
1191777	BT50EM40120M	40	90	120	75	SS03M029	10mm	160	6,66
1258473	BT50EM50130M	50	100	130	85	—	12mm	200	7,60



■ EM IN-BT Form AD

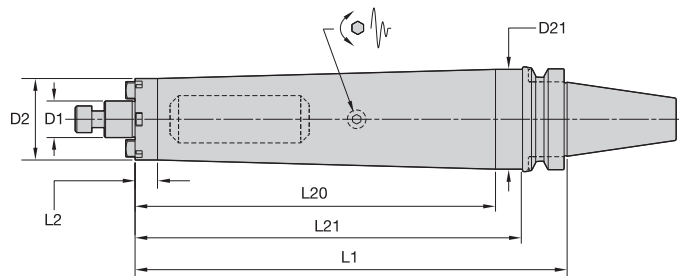


order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
1258444	BT50EM050295	1/2	1.38	2.95	5.16	ELS044038PKG	7/32	20	8.14
1258447	BT50EM075295	3/4	1.75	2.95	5.16	ELS062050PKG	5/16	70	8.36
1258450	BT50EM100413	1	2.00	4.13	4.49	ELS075056PKG	3/8	110	9.11
1258451	BT50EM100600	1	2.00	6.00	4.49	ELS075056PKG	3/8	110	10.51
1258456	BT50EM125413	1 1/4	2.50	4.13	2.51	ELS075062PKG	3/8	110	10.23
1258457	BT50EM125600	1 1/4	2.50	6.00	2.51	ELS075062PKG	3/8	110	12.54
1258459	BT50EM150413	1 1/2	2.75	4.13	2.93	ELS075062PKG	3/8	110	10.41
1232393	BT50EM200531	2	3.75	5.31	3.53	ELS100088PKG	1/2	150	16.00

NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw.
 Lock screw wrench not included.
 For retention knobs, see page L45.

BT50 Shank Tools

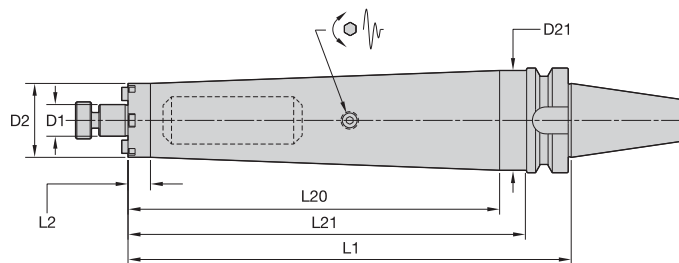
Tunable Shell Mill Adapters with Through Coolant



ERICKSON

■ SMC TD Cap MM-BT Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L20	L21	lock screw	drive key	wrench size lock screw	kg
4135491	BT50BTDSMC22260M	22	49	70	260	13,5	211,8	222	MS1234	KDK22M	8mm	8,21



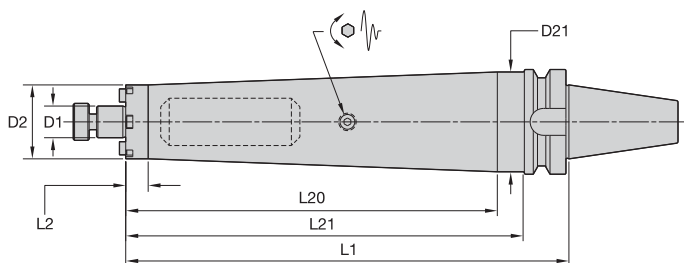
■ SMC TD Lock MM-BT Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L20	L21	lock screw	drive key	wrench size lock screw	kg
4135492	BT50BTDSMC27320M	27	61	80	320	285	271,8	282	KLSS27M	—	10mm	11,83
4135493	BT50BTDSMC32330M	32	78	—	330	292	—	—	KLSS32M	KDK32M	14mm	16,16

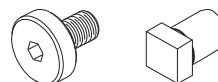


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(SMC BT Form B/AD continued)

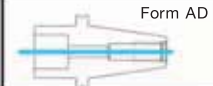


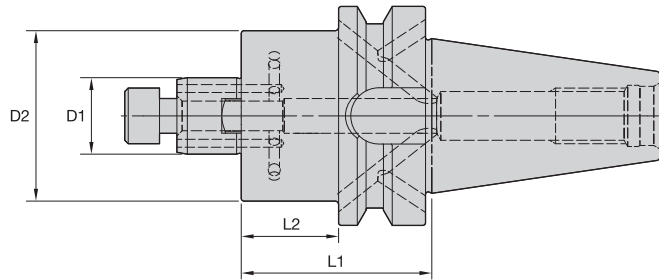
■ SMC TD Lock IN-BT Form B/AD



order number	catalog number	D1	D2	D21	L1	L2	L20	L21	lock screw	drive key	wrench size lock screw	lbs
4135494	BT50BTDSMC0751050	3/4	1.75	2.56	10.5	.53	8.6	9	KLS07	KDK05	1/4	16.73
4135495	BT50BTDSMC1001250	1	2.75	—	12.5	11.00	—	—	KLS10	KDK06	5/16	25.46
4135496	BT50BTDSMC1251300	1 1/4	2.88	—	13.0	11.50	—	—	KLS12	KDK08	5/16	32.71

NOTE: Do not overtighten lock screw.
 Supplied with lock screw and drive keys.
 Interchangeable coolant-style lock screws are available and must be ordered separately; see page L38.
 Lock screw wrench not included.
 For retention knobs, see page L45.

Form AD						
Form B				40	(2x) MS2221S	2,5mm
				50	(2x) MS1296S	3mm



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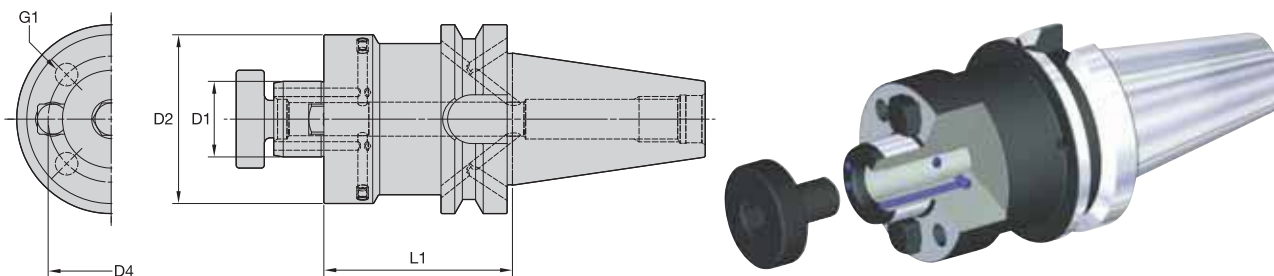
■ SMC Cap MM-BT Form B/AD



order number	catalog number	D1	D2	L1	L2	lock screw	wrench size lock screw	drive key	kg
3750032	BT50BSM2C16045M	16	38	45	7	MS1294	6mm	KDK16M	3,62
3750034	BT50BSM2C16100M	16	38	100	62	MS1294	6mm	KDK16M	4,01
3750036	BT50BSM2C16150M	16	38	150	112	MS1294	6mm	KDK16M	4,41
3750031	BT50BSMC16045M	16	44	45	7	MS1294	6mm	KDK16M	3,63
3750033	BT50BSMC16100M	16	44	100	62	MS1294	6mm	KDK16M	4,18
3750035	BT50BSMC16150M	16	44	150	112	MS1294	6mm	KDK16M	4,71
3750038	BT50BSM2C22045M	22	42	45	7	MS1234	8mm	—	3,63
3750040	BT50BSM2C22100M	22	42	100	62	MS1234	8mm	—	4,12
3750042	BT50BSM2C22150M	22	42	150	112	MS1234	8mm	—	4,56
3750037	BT50BSMC22045M	22	49	45	7	MS1234	8mm	KDK22M	3,66
3750039	BT50BSMC22100M	22	49	100	62	MS1234	8mm	KDK22M	4,37
3750041	BT50BSMC22150M	22	49	150	112	MS1234	8mm	KDK22M	5,00

(continued)

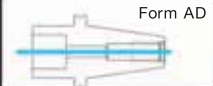
(SMC BT Form B/AD continued)



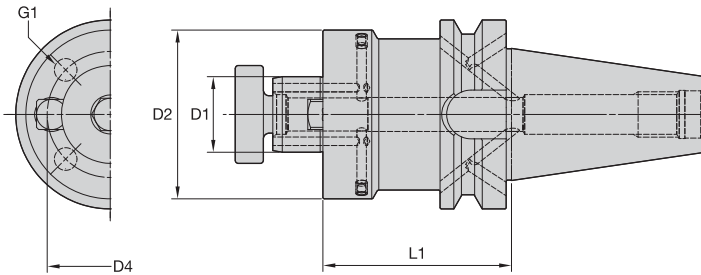
■ SMC Lock MM-BT Form B/AD

order number	catalog number	D1	D2	D4	G1	L1	lock screw	drive key	kg
3750043	BT50BSC27045M	27	60	—	—	45	KLSS27M	KDK27M	3,76
3750044	BT50BSC27100M	27	60	—	—	100	KLSS27M	KDK27M	4,86
3750045	BT50BSC27150M	27	60	—	—	150	KLSS27M	KDK27M	5,85
3750046	BT50BSC32045M	32	78	—	—	45	KLSS32M	KDK32M	3,94
3750047	BT50BSC32100M	32	78	—	—	100	KLSS32M	KDK32M	5,87
3750048	BT50BSC32150M	32	78	—	—	150	KLSS32M	KDK32M	7,62
3750049	BT50BSC40050M	40	89	66,7	M12 X 1.75	50	KLSS40M	KDK40M	4,36
3750050	BT50BSC40100M	40	89	66,7	M12 X 1.75	100	KLSS40M	KDK40M	6,40
3750051	BT50BSC40150M	40	89	66,7	M12 X 1.75	150	KLSS40M	KDK40M	8,26
3750052	BT50BSC60090M	60	129	101,6	M16 X 2.0	90	—	KDK60M	8,53

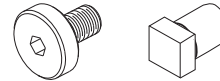
(continued)

Form AD					
Form B				40 (2x) MS2221S	2,5mm
				50 (2x) MS1296S	3mm

(SMC BT Form B/AD continued)



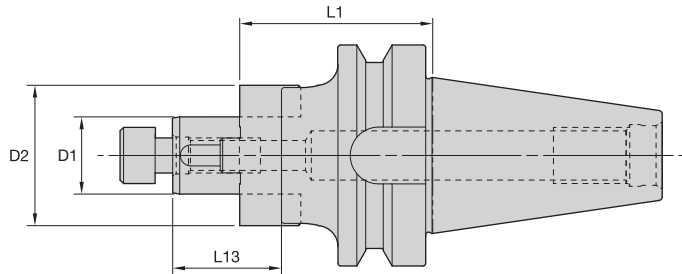
■ SMC Lock IN-BT Form B/AD



order number	catalog number	D1	D2	D4	G1	L1	lock screw	drive key	wrench size lock screw	lbs
3653805	BT50BSM2C050400	1/2	1.20	—	—	4.00	KLS05	KDK04	3/16	8.50
3653772	BT50BSMC050177	1/2	1.44	—	—	1.77	KLS05	KDK04	3/16	7.87
3653804	BT50BSMC050400	1/2	1.44	—	—	4.00	KLS05	KDK04	3/16	8.81
3653809	BT50BSM2C075400	3/4	1.46	—	—	4.00	KLS07	—	1/4	8.80
3653806	BT50BSMC075177	3/4	1.75	—	—	1.77	KLS07	KDK05	1/4	7.98
3653808	BT50BSMC075400	3/4	1.75	—	—	4.00	KLS07	KDK05	1/4	9.34
3653813	BT50BSM2C100400	1	2.19	—	—	4.00	KLS10	KDK06	5/16	10.22
3653810	BT50BSMC100177	1	2.75	—	—	1.77	KLS10	KDK06	5/16	8.32
3653812	BT50BSMC100400	1	2.75	—	—	4.00	KLS10	KDK06	5/16	11.77
3653814	BT50BSMC100600	1	2.75	—	—	6.00	KLS10	KDK06	5/16	14.86
3653815	BT50BSMC125177	1 1/4	2.88	—	—	1.77	KLS12	KDK08	5/16	8.60
3653816	BT50BSMC125400	1 1/4	2.88	—	—	4.00	KLS12	KDK08	5/16	12.46
3653817	BT50BSMC125600	1 1/4	2.88	—	—	6.00	KLS12	KDK08	5/16	15.92
3653818	BT50BSMC150177	1 1/2	3.63	—	—	1.77	KLS15	KDK10	3/8	9.21
3653819	BT50BSMC150400	1 1/2	3.81	—	—	4.00	KLS15	KDK10	3/8	16.36
3653820	BT50BSMC150600	1 1/2	3.81	—	—	6.00	KLS15	KDK10	3/8	22.68
3653823	BT50BSMC250236	2 1/2	4.88	4.00	.625-11 UNC	2.36	KLS25	KDK16	9/16	14.02
3653821	BT50BSMC200236	2	4.88	—	—	2.36	KLS20	KDK12	9/16	13.20
3653824	BT50BSMC250400	2 1/2	4.88	4.00	.625-11 UNC	4.00	KLS25	KDK16	9/16	19.92
3653822	BT50BSMC200400	2	4.88	4.00	.625-11 UNC	4.00	KLS20	KDK12	9/16	19.01

NOTE: Do not overtighten lock screw.
 Supplied with lock screw and drive keys.
 Interchangeable coolant-style lock screws are available and must be ordered separately; see page L38.
 Lock screw wrench not included.
 For retention knob, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

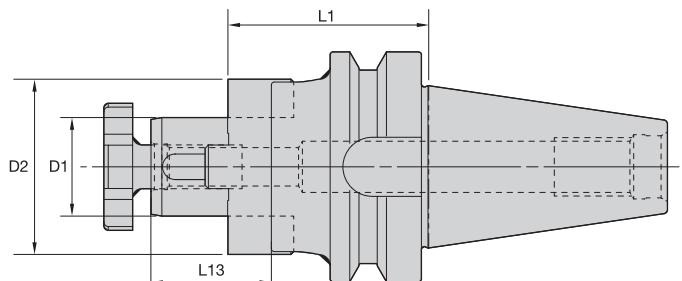


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■ CS Cap MM-BT Form AD



order number	catalog number	D1	D2	L1	L13	lock screw	wrench size lock screw	combi driver ring	combi drive key	kg
1258428	BT50CS16070M	16	32	70	27	MS1294	6mm	CDR16M	CDK16M	3,72
1258431	BT50CS16150M	16	32	150	27	MS1294	6mm	CDR16M	CDK16M	4,19
1191760	BT50CS22070M	22	40	70	31	MS1234	8mm	CDR22M	CDK22M	3,87
1258433	BT50CS22150M	22	40	150	31	MS1234	8mm	CDR22M	CDK22M	4,58
1191761	BT50CS22200M	22	40	200	31	MS1234	8mm	CDR22M	CDK22M	5,05



■ CS Lock MM-BT Form AD

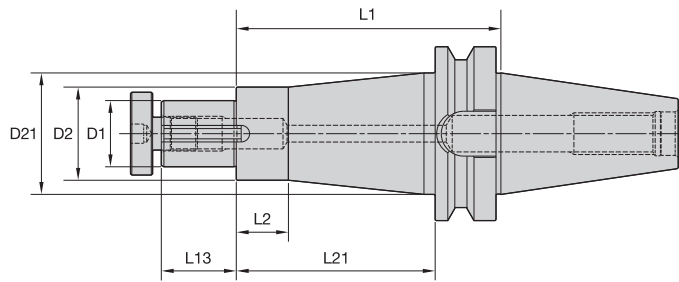


order number	catalog number	D1	D2	L1	L13	lock screw	locknut wrench	combi driver ring	combi drive key	kg
1191763	BT50CS32070M	32	58	70	38	KLS32M	SMW32M	CDR32M	CDK32M	4,33
1258437	BT50CS32150M	32	58	150	38	KLS32M	SMW32M	CDR32M	CDK32M	5,86
1191764	BT50CS40070M	40	70	70	41	KLS40M	SMW40M	CDR40M	CDK40M	4,78
1191765	BT50CS40150M	40	70	150	41	KLS40M	SMW40M	CDR40M	CDK40M	7,17
1258438	BT50CS40200M	40	70	200	41	KLS40M	SMW40M	CDR40M	CDK40M	8,90
1258439	BT50CS50075M	50	90	75	46	KLS50M	SMW50M	CDR50M	CDK50M	7,90
1191766	BT50CS50150M	50	90	150	46	KLS50M	SMW50M	CDR50M	CDK50M	9,20

NOTE: Do not overtighten lock screw.
 Supplied with lock screw, drive ring, and drive keys.
 Lock screw wrench not included.
 For retention knobs, see page L45.

BT50 Shank Tools

Slotting Cutter Adapters • Screw-On Adapters for Modular Milling Cutters

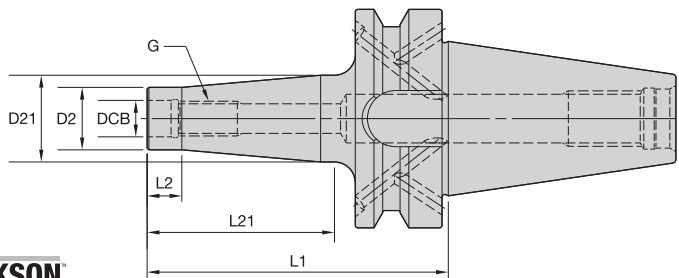


ERICKSON

SA IN-BT Form A

order number	catalog number	D1	D2	D21	L1	L2	L13	L21	lock screw	wrench size lock screw	drive key	lbs
1026221	BT50SA125600	1 1/4	1.86	2.75	6.00	1.10	1.09	4.50	KLS12	5/16	DWG SDK125119	13.22
1026340	BT50SA150600	1 1/2	2.11	2.75	6.00	1.18	1.70	4.50	KLS15	3/8	DWG SDK150175	14.27

NOTE: Do not overtighten lock screw.
Supplied with lock screw, drive key, and spacer.
Lock screw wrench not included.
For retention knobs, see page L45.



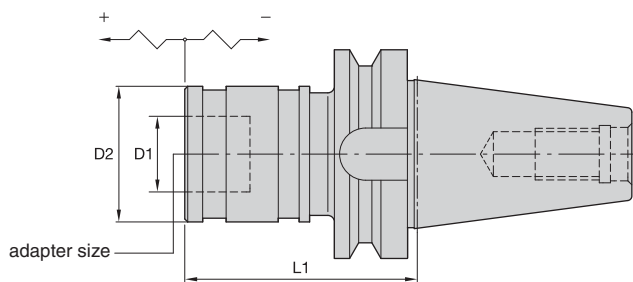
ERICKSON

ST-BT Form B/AD

order number	catalog number	DCB	G	D2	D21	L1	L2	L21	kg
4067906	BT50BST12087M	12,5	M12	21	24	87	10	43	3,67
4067907	BT50BST12137M	12,5	M12	21	31	137	10	93	3,97
4067908	BT50BST12187M	12,5	M12	21	39	187	10	143	4,34
4067909	BT50BST16087M	17,0	M16	21	34	87	10	43	3,79
4067910	BT50BST16137M	17,0	M16	29	39	137	10	93	4,11
4067911	BT50BST16187M	17,0	M16	29	39	187	10	143	4,53
4067912	BT50BST16237M	17,0	M16	29	49	237	10	193	5,40

NOTE: For retention knobs, see page L45.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

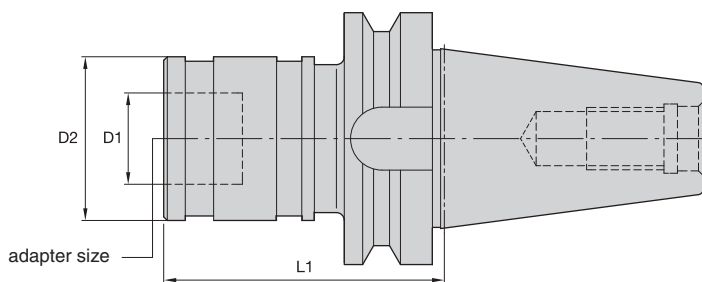


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■ RC-BT Form A

order number	catalog number	adapter size	tap size		D1	D2	L1	tension	compression	kg
			mm	in						
1778908	BT50RC1075M	1	M1 - M14	#0 - 9/16	19	36	73	7,5	7,5	3,10
1127889	BT50RC2102M	2	M5 - M24	5/16 - 7/8	31	53	102	12,5	12,5	3,90
1135816	BT50RC3141M	3	M14 - M27	13/16 - 1 3/8	48	78	141	20,0	20,0	4,70

NOTE: Quick-change tap adapters are available and must be ordered separately; see page J76.
For retention knobs, see page L45.



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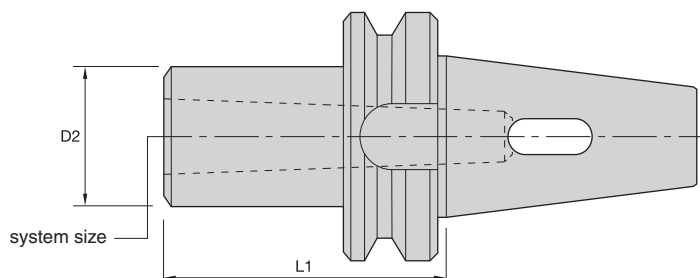
■ STRC-BT Form A

order number	catalog number	adapter size	tap size		D1	D2	L1	kg
			mm	in				
1778974	BT50STRC1074M	1	M1 - M14	#0 - 9/16	19	36	74	3,80
1778975	BT50STRC2089M	2	M5 - M24	5/16 - 7/8	31	53	89	4,00

NOTE: Quick-change tap adapters are available and must be ordered separately; see page J76.
For retention knobs, see page L45.

BT50 Shank Tools

Morse Taper Adapters • Jacobs Taper Adapters

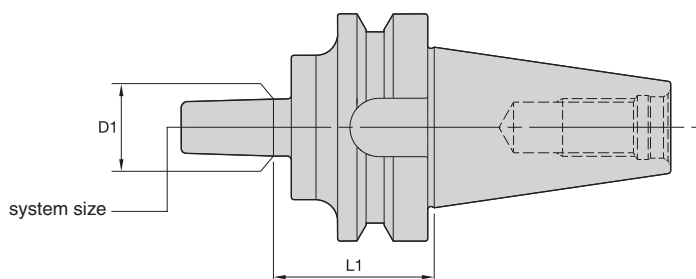


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■ MT-BT Form A

order number	catalog number	system size	D2	L1	kg
1191785	BT50MT5105M	5	70	105	4,28

NOTE: For retention knobs, see page L45.

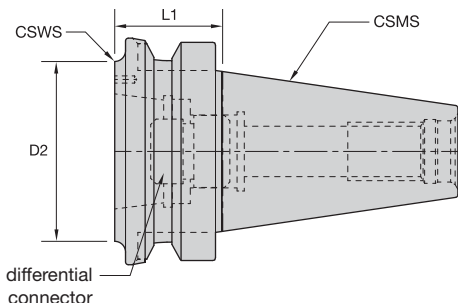


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■ JT-BT Form A

order number	catalog number	system size	D1	L1	kg
1258492	BT50JT33041M	33	15,85	41	3,70

NOTE: For retention knobs, see page L45.



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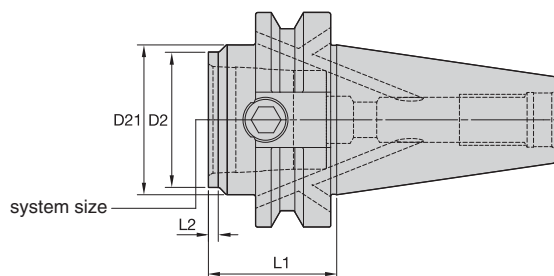
■ BT to KR JIS B6339 Adapters AD/B • Metric

order number	catalog number	CSMS system size	CSWS system size	D2	L1	differential connector	kg	reference head
3554374	BT50BKR32040M	BT50	KR32	50	40	KRDCKR32M	3,90	SVS00B,0B,1B,2B,3B,SVUBB1,BB2
3554375	BT50BKR50040M	BT50	KR50	65	40	KRDCKR50M	3,17	SVS4B,5B,SVU65,SVUBB2
3554376	BT50BKR63060M	BT50	KR63	85	60	KRDCKR63M	4,31	SVS6B,7B,8B
3554377	BT50BKR80060M	BT50	KR80	95	60	KRDCKR80M	4,53	SVU92,120

■ BT to KR JIS B6339 Adapters AD/B • Inch

order number	catalog number	CSMS system size	CSWS system size	D2	L1	differential connector	lbs	reference head
3554374	BT50BKR32040M	BT50	KR32	1.97	1.570	KRDCKR32M	8.60	SVS00B,0B,1B,2B,3B,SVUBB1,BB2
3554375	BT50BKR50040M	BT50	KR50	2.56	1.570	KRDCKR50M	7.00	SVS4B,5B,SVU65,SVUBB2
3554376	BT50BKR63060M	BT50	KR63	3.35	2.360	KRDCKR63M	9.50	SVS6B,7B,8B
3554377	BT50BKR80060M	BT50	KR80	3.74	2.360	KRDCKR80M	9.98	SVU92,120

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



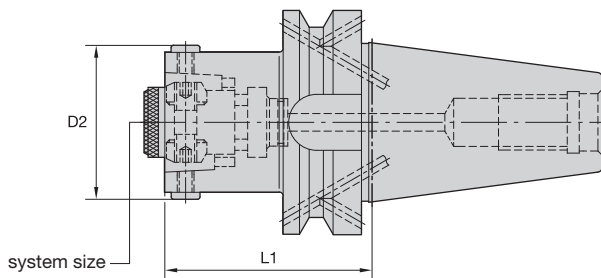
■ KM-BT Form B/AD



order number	catalog number	system size	D2	D21	L1	L2	KM spare parts package	wrench size actuation screw	Nm	kg
3783950	BT50BKM32040M	KM32	32	—	40	2	KM32PKG3L	5mm	8-11	3,50
3783951	BT50BKM32090M	KM32	32	—	90	52	KM32PKG3S	5mm	8-11	3,74
3783952	BT50BKM40060M	KM40	40	48	60	4	KM40PKG3L	6mm	12-16	3,72
3783953	BT50BKM40100M	KM40	40	—	100	62	KM40PKG3S	6mm	12-16	3,98
3783954	BT50BKM50060M	KM50	50	63	60	4	KM50PKG3L	10mm	27-34	3,80
3783955	BT50BKM50120M	KM50	50	—	120	82	KM50PKG3S	10mm	27-34	4,51
3783956	BT50BKM63060M	KM63	63	70	60	5	KM63PKG3L	12mm	47-54	3,78
3783957	BT50BKM63140M	KM63	63	—	140	102	KM63PKG3S	12mm	47-54	5,50
3783958	BT50BKM80080M	KM80	80	—	80	42	KM80PKG3S	14mm	79-85	4,50

NOTE: Do not overtorque actuation screw; use torque recommendations above.
Supplied with KM actuation mechanism.
For retention knobs, see page L45.
These products only available in the U.S., Canada, and Japan.

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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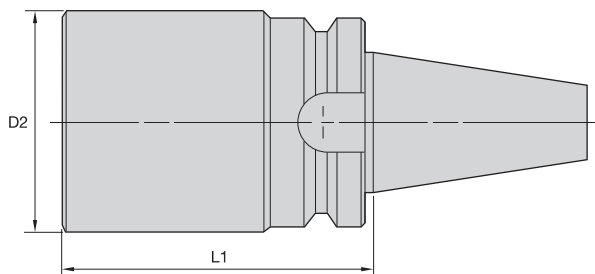
■ HSK-BT Form B/AD

order number	catalog number	system size	D2	L1	wrench size actuation screw	Nm	kg
1519708	BT50BHSK40060M	HSK40	45	60	3mm	8	3,70
1519709	BT50BHSK50065M	HSK50	55	65	4mm	15	3,80
1510763	BT50BHSK63075M	HSK63	70	75	5mm	20	4,00

NOTE: Do not overtorque actuation screw; use torque recommendations above.
Supplied with actuation mechanism and sealing ring.
For retention knobs, see page L45.

Form AD					
Form B					
			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

- Machinable front 20–30 RW C.



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■ BB-BT

order number	catalog number	D2	L1	kg
1258384	BT50BB104350M	104	350	24,3
1258386	BT50BB134250M	134	250	26,5

NOTE: For retention knobs, see page L45.