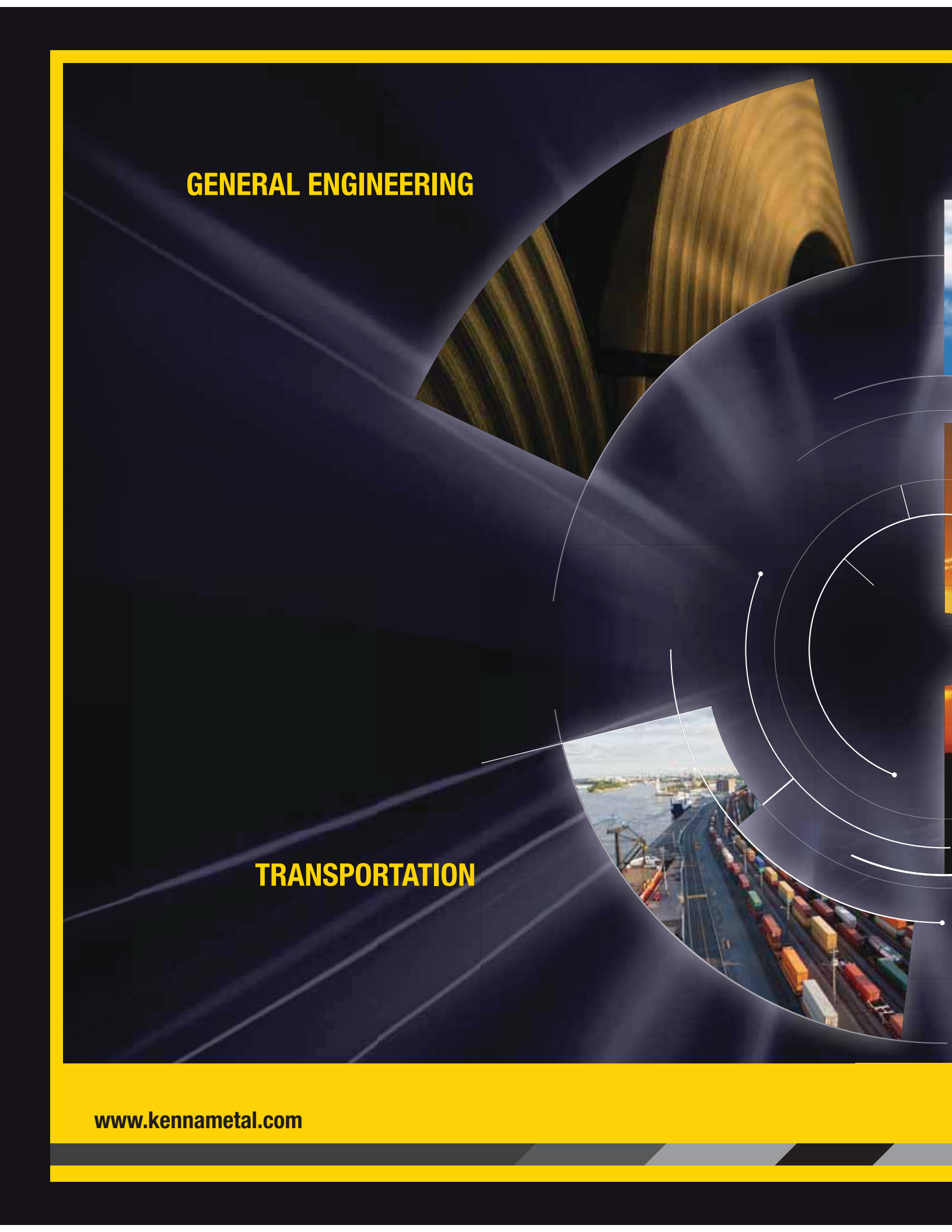


INNOVATIONS
MASTER CATALOG

TOOLING SYSTEMS
2013

www.kennametal.com

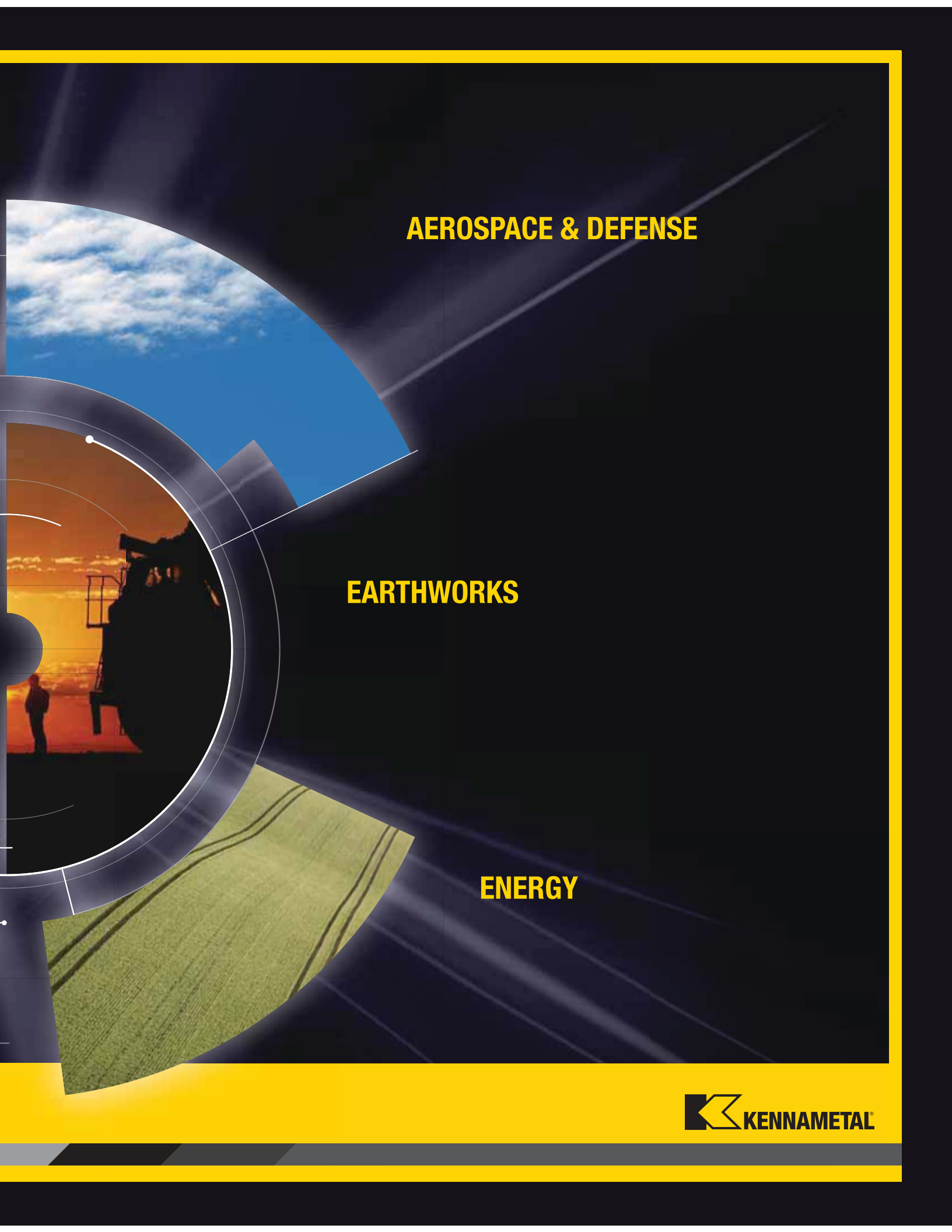




GENERAL ENGINEERING

TRANSPORTATION

www.kennametal.com



AEROSPACE & DEFENSE

EARTHWORKS

ENERGY



DV Shank Tools

DV40	.G2-G41
DV50	.G42-G77





ERICKSON™ DV V-Flange Shank Tooling System • DV40 Series

Primary Application

ERICKSON V-Flange DV Taper Tooling is manufactured from premium materials and meets or exceeds the latest DIN 69871 specification and ISO-1947 taper accuracy of AT3 specification standards. The DV40 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.



DV DIN 69871 Form B/AD Shank

NOTE: Inherent out-of-balance conditions due to notch and unequal depth of drive slots.



Features and Benefits

- DIN 69871 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.

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.



DV	40	B	TG	50	100	M
Shank Style	Shank Taper Size	Special Feature (optional)	Toolholder Style	Toolholder Size	Tool Length	Identification Values
DIN 69871	40 = 40 50 = 50	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 DIN form A/AD coolant style CH = Coolant form AD — high pressure HPV = High performance and balanceable TD = Tunable			(Taper gage line to front of tool) metric xxx = xxx inch xxx = x.xx	

BB = Bar blank	SM2C = Shell mill adapter with coolant and small diameter
DA = Double-angle collet chuck	SMC = Shell mill adapter with coolant
DC = Drill chuck	SS = Adapter for straight shanks (drills)
EM = End mill adapter	SSF = Adapter for straight shanks with flat (drills)
ER = DIN 6499 single-angle collet chuck	ST = Screw-on adapters
HC = Hydraulic chuck — Standard Line	STRC = Rapid Change — solid tapping adapter chuck
HCB = Hydraulic chuck — Basic Line	SWN = Whistle Notch™ 2° — short — (not to DIN standard)
HCSL = Hydraulic chuck — Slim Line	TA = Tap chuck adapter
HCSLT = Hydraulic chuck — Slim Line — Trend	TCRC = Rapid Change — T&C tapping adapter chuck
HCT = Hydraulic chuck — Trend Line	TG = Tremendous Grip single-angle collet chuck
HPMC = Bearing milling chuck — high performance	TGF = Tremendous Grip single-angle collet chuck — flush face
HSK = HSK adapter	TT = Shrink Fit thermo toolholder
JT = Jacobs taper adapter	TTHT = Shrink Fit thermo toolholder — high torque
KM = KM™ adapter	WD = Whistle Notch with drive
MT = Morse taper adapter	WN = Whistle Notch (2° metric; 5° inch)
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	

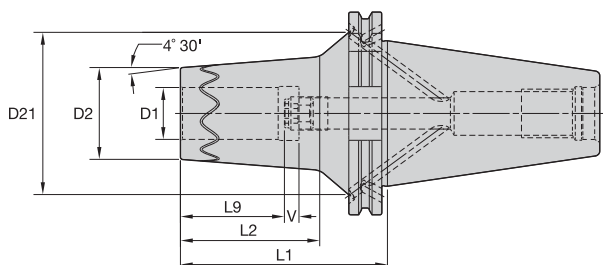
M =
Tool built to metric values and has metric retention thread

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)

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



ERICKSON

■ TT SF HPV MM-DV FORM B/AD

**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

DV40 Shank Tools

order number	catalog number	D1	D2	D21	L1	L2	L9	V	kg
5129969	DV40BSFTT12065M	12	27	34	65	46	37	10	1,00
5129970	DV40BSFTT14065M	14	30	37	65	46	37	10	1,04
5090239	DV40BSFTT16065M	16	30	37	65	46	40	10	1,01
5090260	DV40BSFTT18065M	18	36	43	65	46	40	10	1,10
5090261	DV40BSFTT20065M	20	36	43	65	46	42	10	1,07
5090262	DV40BSFTT25075M	25	46	52	75	56	48	10	1,35
5090263	DV40BSFTT32080M	32	46	53	80	61	48	10	1,27

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.

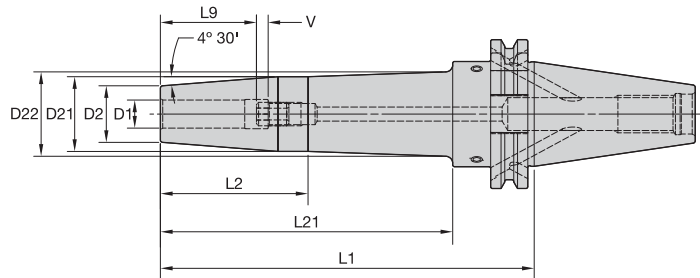
form AD		form B			
			40	(2x) SFV40	1,5mm
			50	(2x) SFV50	1,5mm

DV40 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-DV Form B/AD



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3790097	DV40BHPVTT06080M	6	21	27	—	80	61	—	26	10	TTSS05014M	2,5mm	0,99
3790098	DV40BHPVTT06120M	6	21	27	—	120	85	—	26	10	TTSS05014M	2,5mm	1,28
3790099	DV40BHPVTT06160M	6	21	27	32	160	50	125	26	10	TTSS05014M	2,5mm	1,52
3790100	DV40BHPVTT08080M	8	21	27	—	80	61	—	26	10	TTSS06014M	3mm	0,99
3790101	DV40BHPVTT08120M	8	21	27	—	120	85	—	26	10	TTSS06014M	3mm	1,28
3790102	DV40BHPVTT08160M	8	21	27	32	160	50	125	26	10	TTSS06014M	3mm	1,52
3790203	DV40BHPVTT10080M	10	24	32	—	80	61	—	31	10	TTSS08014M	4mm	1,05
3790204	DV40BHPVTT10120M	10	24	32	—	120	85	—	31	10	TTSS08014M	4mm	1,38
3790205	DV40BHPVTT10160M	10	24	32	36	160	63	125	31	10	TTSS08014M	4mm	1,68
3617617	DV40BHPVTT12080M	12	24	32	—	80	61	—	36	10	TTSS10014M	5mm	1,03
3617642	DV40BHPVTT12120M	12	24	32	—	120	85	—	36	10	TTSS10014M	5mm	1,37
3617643	DV40BHPVTT12160M	12	24	32	36	160	63	125	36	10	TTSS10014M	5mm	1,66
3617644	DV40BHPVTT14080M	14	27	34	—	80	61	—	36	10	TTSS10014M	5mm	1,08
3617645	DV40BHPVTT14120M	14	27	34	—	120	85	—	36	10	TTSS10014M	5mm	1,43

(continued)

(TT GP HPV continued)



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3617646	DV40BHPVTT14160M	14	27	34	38	160	63	125	36	10	TTSS10014M	5mm	1,76
3617647	DV40BHPVTT16080M	16	27	34	—	80	61	—	39	10	TTSS12014M	6mm	1,05
3617648	DV40BHPVTT16120M	16	27	34	—	120	85	—	39	10	TTSS12014M	6mm	1,40
3617649	DV40BHPVTT16160M	16	27	34	38	160	63	125	39	10	TTSS12014M	6mm	1,73
3617650	DV40BHPVTT18080M	18	33	41	—	80	61	—	39	10	TTSS12014M	6mm	1,19
3617651	DV40BHPVTT18120M	18	33	42	—	120	85	—	39	10	TTSS12014M	6mm	1,63
3617652	DV40BHPVTT18160M	18	33	42	—	160	125	—	39	10	TTSS12014M	6mm	2,05
3617653	DV40BHPVTT20080M	20	33	41	—	80	61	—	41	10	TTSS16014M	8mm	1,16
3617654	DV40BHPVTT20120M	20	33	42	—	120	85	—	41	10	TTSS16014M	8mm	1,59
3617655	DV40BHPVTT20160M	20	33	42	—	160	125	—	41	10	TTSS16014M	8mm	2,00
3617656	DV40BHPVTT25100M	25	44	53	—	100	81	—	47	10	TTSS16014M	8mm	1,65
3617657	DV40BHPVTT25160M	25	44	53	—	160	141	—	47	10	TTSS16014M	8mm	2,65
3617658	DV40BHPVTT32100M	32	44	53	—	100	81	—	51	10	TTSS16014M	8mm	1,49
3617659	DV40BHPVTT32160M	32	44	53	—	160	141	—	51	10	TTSS16014M	8mm	2,48

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

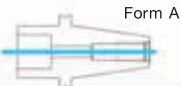
Shrink Fit technical section, see page M78.

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.

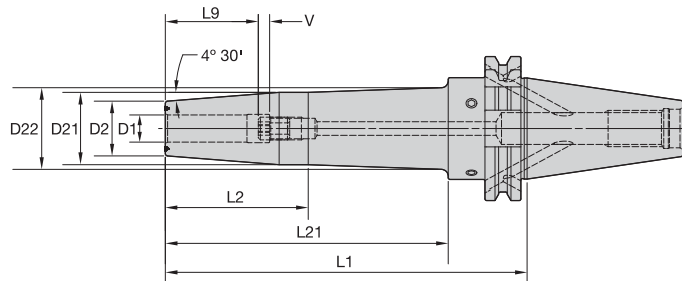
Form AD						
Form B				40	(2x) MS2221S	2,5mm
				50	(2x) MS1296S	3mm

DV40 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-DV Form B/AD



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3617591	DV40BHPVTTH12080M	12	24	32	—	80	61	—	36	10	TTSS10014M	5mm	1,03
3617592	DV40BHPVTTH12120M	12	24	32	—	120	85	—	36	10	TTSS10014M	5mm	1,37
3617605	DV40BHPVTTH12160M	12	24	32	36	160	63	125	36	10	TTSS10014M	5mm	1,66
3617606	DV40BHPVTTH14080M	14	27	34	—	80	61	—	36	10	TTSS10014M	5mm	1,08
3617607	DV40BHPVTTH14120M	14	27	34	—	120	85	—	36	10	TTSS10014M	5mm	1,43
3617608	DV40BHPVTTH14160M	14	27	34	38	160	63	125	36	10	TTSS10014M	5mm	1,76
3617609	DV40BHPVTTH16080M	16	27	34	—	80	61	—	39	10	TTSS12014M	6mm	1,05
3617610	DV40BHPVTTH16120M	16	27	34	—	120	85	—	39	10	TTSS12014M	6mm	1,40
3617611	DV40BHPVTTH16160M	16	27	34	38	160	63	125	39	10	TTSS12014M	6mm	1,73
3617612	DV40BHPVTTH18080M	18	33	41	—	80	61	—	39	10	TTSS12014M	6mm	1,19
3617613	DV40BHPVTTH18120M	18	33	42	—	120	85	—	39	10	TTSS12014M	6mm	1,63
3617614	DV40BHPVTTH18160M	18	33	42	—	160	125	—	39	10	TTSS12014M	6mm	2,05
3617615	DV40BHPVTTH20080M	20	33	41	—	80	61	—	41	10	TTSS16014M	8mm	1,16
3617616	DV40BHPVTTH20120M	20	33	42	—	120	85	—	41	10	TTSS16014M	8mm	1,59

(continued)

(TT HT HPV continued)



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3617618	DV40BHPVTTH20160M	20	33	42	—	160	125	—	41	10	TTSS16014M	8mm	2,00
3617619	DV40BHPVTTH25100M	25	44	53	—	100	81	—	47	10	TTSS16014M	8mm	1,65
3617620	DV40BHPVTTH25160M	25	44	53	—	160	141	—	47	10	TTSS16014M	8mm	2,65
3617621	DV40BHPVTTH32100M	32	44	53	—	100	81	—	51	10	TTSS16014M	8mm	1,49
3617622	DV40BHPVTTH32160M	32	44	53	—	160	141	—	51	10	TTSS16014M	8mm	2,48

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

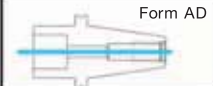
Shrink Fit technical section, see page M78.

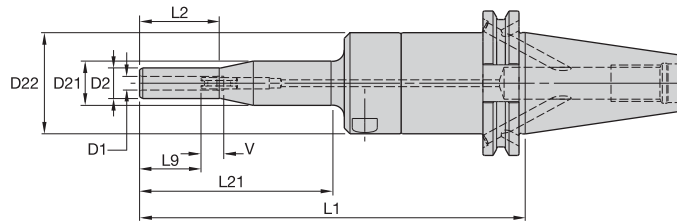
Supplied with stop screw.

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-DV Form B/AD

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

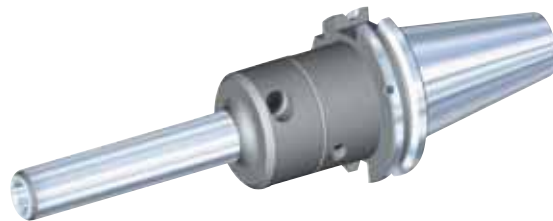
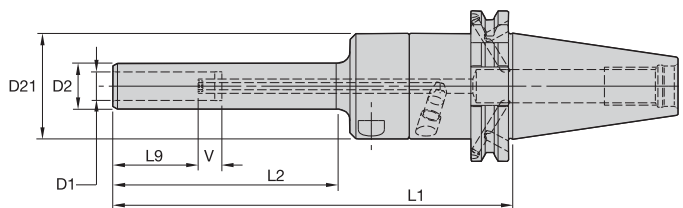
order number	catalog number	D1	D2	D21	D22	L1	L2	L9	L21	V	kg
3019233	DV40BHCSLT06170M	6	13,5	19,5	44,5	170	35	27	85	10	1,64
3019234	DV40BHCSLT08170M	8	15,5	19,5	44,5	170	35	27	85	10	1,65
3019235	DV40BHCSLT10170M	10	17,5	44,5	—	170	85	31	151	10	1,64

■ Spare Parts

catalog number	actuation wrench	wrench size actuation screw	stop screw wrench	wrench size stop screw
DV40BHCSLT06170M	170.135	5mm	170.002	2,5mm
DV40BHCSLT08170M	170.135	5mm	170.002	2,5mm
DV40BHCSLT10170M	170.135	5mm	170.003	3mm

(continued)

(Slim Line continued)



■ HC Slim MM-DV Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	kg
2634535	DV40BHCSL12170M	12	19,5	44,5	170	95	36	10	1,55
2634536	DV40BHCSL14170M	14	21,5	52,5	170	95	36	10	1,78
2634537	DV40BHCSL16170M	16	23,5	52,5	170	95	39	10	1,80
2634538	DV40BHCSL18170M	18	25,5	52,5	170	95	39	10	1,85
2634539	DV40BHCSL20170M	20	27,5	52,5	170	95	41	10	1,89

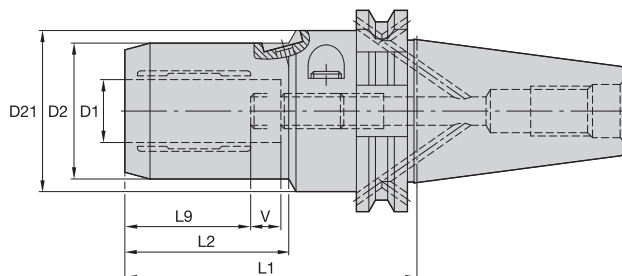
■ Spare Parts



catalog number	actuation wrench	wrench size actuation screw	stop screw wrench	wrench size stop screw
DV40BHCSL12170M	170.135	5mm	170.002	2,5mm
DV40BHCSL14170M	170.135	5mm	170.002	2,5mm
DV40BHCSL16170M	170.135	5mm	170.002	2,5mm
DV40BHCSL18170M	170.135	5mm	170.002	2,5mm
DV40BHCSL20170M	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



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

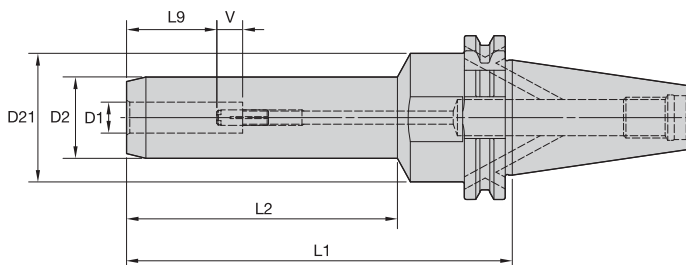
ERICKSON

■ HC MM-DV 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
1245443	DV40BHC06072M	6	25,7	50	72	33	30	10	170.135	5mm	170.002	2,5mm	1,12
1245444	DV40BHC08072M	8	27,7	50	72	34	30	10	170.135	5mm	170.002	2,5mm	1,13
1245445	DV40BHC10077M	10	29,7	50	77	39	35	10	170.135	5mm	170.002	2,5mm	1,17
1237451	DV40BHC12077M	12	31,6	50	77	40	35	10	170.135	5mm	170.002	2,5mm	1,18
1245446	DV40BHC14082M	14	33,6	50	82	46	40	10	170.135	5mm	170.003	3mm	1,22
1237452	DV40BHC16082M	16	37,6	50	82	47	40	10	170.135	5mm	170.003	3mm	1,28
1245447	DV40BHC18082M	18	39,6	50	82	47	40	10	170.135	5mm	170.003	3mm	1,31
1191013	DV40BHC20082M	20	41,6	50	82	48	40	10	170.135	5mm	170.003	3mm	1,33
1245448	DV40BHC25117M	25	49,8	63	117	51	51	10	170.136	6mm	170.004	4mm	2,16
1245449	DV40BHC32117M	32	59,8	63	117	59	51	10	170.136	6mm	170.004	4mm	2,34

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		



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

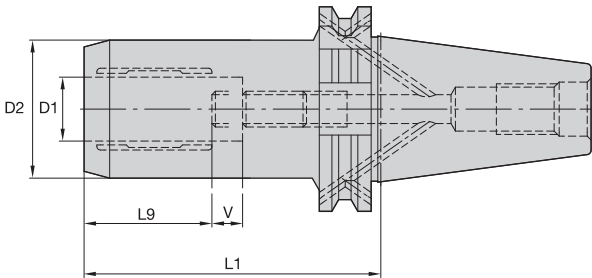
ERICKSON

■ HC Trend In-DV 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
1809973	DV40BHCT06150M	6	26	50	150	105	30	10	170.135	5mm	170.003	3mm	1,50
1809974	DV40BHCT08150M	8	28	50	150	105	30	10	170.135	5mm	170.003	3mm	1,56
1809975	DV40BHCT10150M	10	30	50	150	105	35	10	170.135	5mm	170.003	3mm	1,63
1809976	DV40BHCT12150M	12	32	50	150	105	35	10	170.135	5mm	170.003	3mm	1,69
1809977	DV40BHCT14150M	14	34	50	150	105	40	10	170.135	5mm	170.005	5mm	1,73
1809978	DV40BHCT16150M	16	38	50	150	105	40	10	170.135	5mm	170.005	5mm	1,90
1809979	DV40BHCT18150M	18	40	50	150	105	40	10	170.135	5mm	170.005	5mm	1,98
1809980	DV40BHCT20150M	20	42	50	150	105	40	10	170.135	5mm	170.005	5mm	2,07

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



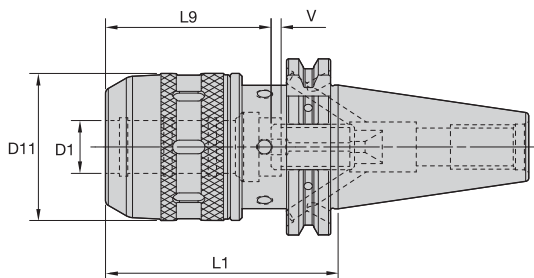
ERICKSON™

■ HC Basic MM-DV Form B/AD

order number	catalog number	D1	D2	L1	L9	V	actuation wrench	wrench size actuation screw	stop screw wrench	wrench size stop screw	kg
1599399	DV40BHCB20082M	20	49,9	82	41	10	170.135	5mm	—	5mm	1,57

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



ERICKSON

■ HPMC MM-DV Form B/AD

order number	catalog number	D1	D11	L1	L9	V	locknut wrench	stop screw	wrench size stop screw	kg
3523084	DV40BHPMC20085M	20	53	85	44	20	PSW52M	MCSS16040M	2,5mm & 5mm	1,54
3523085	DV40BHPMC20150M	20	53	150	49	20	PSW52M	MCSS16040M	2,5mm & 5mm	2,59
3523086	DV40BHPMC25095M	25	61	95	55	20	PSW58M	MCSS16040M	2,5mm & 5mm	1,91
3523087	DV40BHPMC25150M	25	61	150	55	20	PSW58M	MCSS16040M	2,5mm & 5mm	2,93
3523088	DV40BHPMC32120M	32	70	120	58	20	PSW68M	MCSS16040M	2,5mm & 5mm	2,56
3523089	DV40BHPMC32150M	32	70	150	58	20	PSW68M	MCSS16040M	2,5mm & 5mm	3,27

NOTE: Milling chuck technical section, see page M88.

Supplied with locknut and stop screw.

Locknut wrench not included.

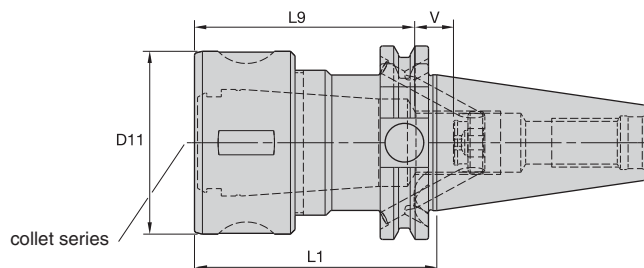
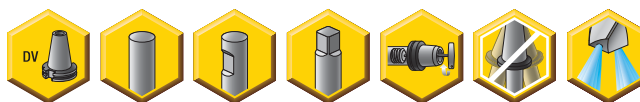
Optional M6~1,0P fine-balancing screw set is available (order number HPMCBALSCREWSET) and must be ordered separately; see page L14.

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	mm		inch	
	min	max	min	max
TG100	2,6	25,5	5/64	1

ERICKSON

TG Round-DV Form B/AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
1237204	DV40BTG100080M	DV40	60	80	70	8	LNA100M	HSW58M	203	SS081041G	4mm & 5/32	1,38

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.

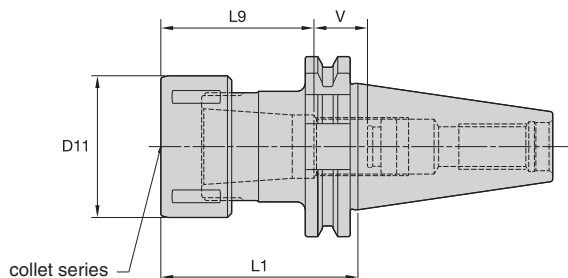
TG standard straight-bore collets, see page J10.

TG tap collets, see page J10.

For retention knobs, see page L45.

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

ERICKSON

■ TG Round-DV Form AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
1191962	DV40TG075070M	TG75	50	70	54	14	LNA075M	HSW45M	136	SS081041G	4mm & 5/32	1,14
1156385	DV40TG100080M	TG100	60	80	70	23	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	1,30
1263986	DV40TG100100M	TG100	60	100	70	43	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	1,49
1191963	DV40TG100150M	TG100	60	150	70	70	LNA100M	HSW58M	203	SS112041G	4mm & 5/32	1,99
1191964	DV40TG150125M	TG150	85	125	86	52	LNA150M	HSW80M	271	SS112041G	4mm & 5/32	2,57

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.

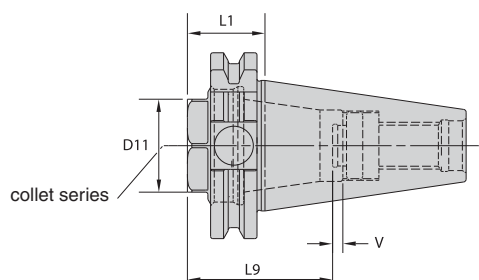
Balanceable/interchangeable locknuts are available and must be ordered separately; see page L16.

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	min	max
ER32	2,0	20,0	.08	.81

ERICKSON

■ ER Short-DV Form AD

order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
3479819	DV40SER32027M	ER32	36	27	50	5	LNECSER32M	OEW32M	136	SS094041G	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.
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.

The image shows several components of the Romicron Boring System. On the left is a small, silver-colored tool holder. In the center is a larger, white, cylindrical tool holder with a black top. To the right is a silver-colored tool holder with a black top and a black handle. Below these are several smaller, silver-colored tool holders of different sizes. The background is a black and white checkered pattern.

RomicronTM Boring System

Fast

Adjustments can be made in less than 5 seconds, while still holding 0,002mm (.0001") on the diameter!

Accurate

Each click of the dial is 0,001mm (.000040") on the radius and can be done in less than 5 seconds.

This high-performance boring system will give you:

- More uptime.
- Less scrap.
- Longer tool life.
- CPKs greater than 1.33.
- Less stress during adjustments.

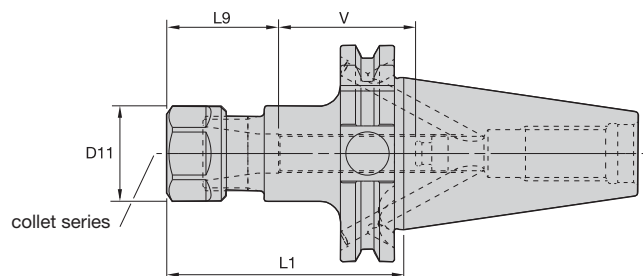
NOTE: For Romicron boring systems, see the Kennametal Innovations Master Catalog Cutting Tools 2013.

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

www.kennametal.com



- Grip (2:1 advantage).



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

ERICKSON

■ ER Hex-DV Form B/AD

order number	catalog number	collet series	D11	L1	L9	V	kg
1770957	DV40BER16070M	ER16	28	70	32	48	0,96
1770958	DV40BER16120M	ER16	28	120	32	48	1,14

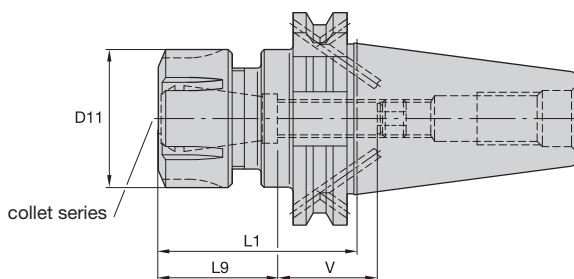
■ Spare Parts



catalog number	locknut	wrench	counterbore collet torque (Nm)	straight collet torque (Nm)	stop screw	wrench size stop screw
DV40BER16070M	LNHSER16M	OEW25M	40	56	SS044038G	4mm & 5/32
DV40BER16120M	LNHSER16M	OEW25M	40	56	SS044038G	4mm & 5/32

(continued)

(ER continued)



■ ER Round-DV Form B/AD

order number	catalog number	collet series	D11	L1	L9	V	kg
1263807	DV40BER25065M	ER25	42	65	40	35	1,04
1263808	DV40BER25120M	ER25	42	120	40	60	1,51
1263809	DV40BER32070M	ER32	50	70	46	33	1,08
1263810	DV40BER32120M	ER32	50	120	46	54	1,55
1263811	DV40BER40080M	ER40	63	80	52	34	1,22
1263812	DV40BER40120M	ER40	63	120	52	48	1,57

■ Spare Parts



catalog number	locknut	wrench	Nm	stop screw	wrench size stop screw
DV40BER25065M	LNSER25M	ER25WM	104	SS075041G	4mm & 5/32
DV40BER25120M	LNSER25M	ER25WM	104	SS075041G	4mm & 5/32
DV40BER32070M	LNSER32M	ER32WM	136	SS094041G	4mm & 5/32
DV40BER32120M	LNSER32M	ER32WM	136	SS094041G	4mm & 5/32
DV40BER40080M	LNSER40M	ER40WM	176	SS112041G	4mm & 5/32
DV40BER40120M	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.

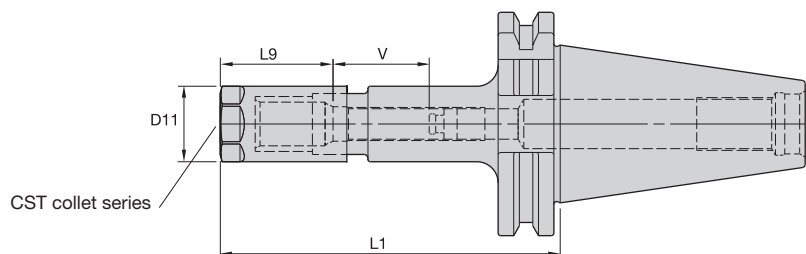
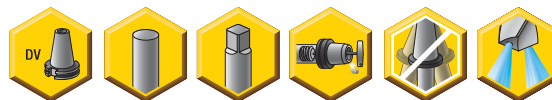
Form AD					
Form B					
	40	(2x) MS2221S	2,5mm		
	50	(2x) MS1296S	3mm		

DV40 Shank Tools

DA 04 Series Double-Angle Collet Chucks



- Grip 1:1.
- Balanced-by-design.
- Through-the-toolholder coolant capability — form AD.



ERICKSON™

■ DA Style 04-DV Form AD • Hex Locknut • Metric

DA 08 collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
DA200	0,2	10	1/64	25/64

order number	catalog number	CST collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	Nm	kg
1156381	DV40DA204100M	DA200	21	100	38	30	LNA204M	OEW19M	54	SS038031G	2mm & 5/64	54	1,10
1191927	DV40DA204150M	DA200	21	150	38	30	LNA204M	OEW19M	54	SS038031G	2mm & 5/64	54	1,06

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.

High-Performance Solid Carbide End Mills

In High-Performance Cutting (HPC), slow microcreeping can cause the cutting tool to be pulled out of the chuck, **turning high-quality workpieces to scrap.**

Be on the Safe Side with SAFE-LOCK[™] in High-Performance Cutting (HPC)



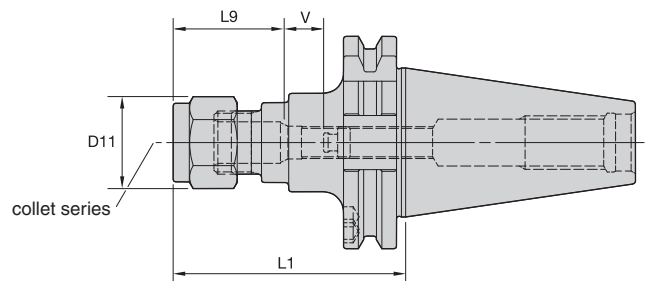
Benefits

- Highly accurate clamping due to positive connection.
- No loss of accuracy.
- No pull out or spinning of the tool.
- No damage to the workpiece or machine.
- Groove on tool shank is directed so the tool will be pulled into the chuck (depending on direction of rotation).

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



- Grip 1:1.



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
DA180	2,2	20	1/64	3/4

ERICKSON

■ DA Hex-DV Form AD

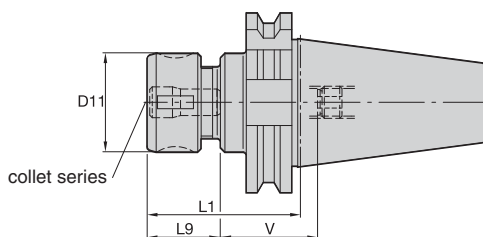
order number	catalog number	collet series	D11	L1	L9	V	lbs
1156382	DV40DA208070M	DA200	1.08	2.76	1.50	1.26	2.11
1191924	DV40DA108070M	DA100	1.44	2.76	1.77	1.58	2.19

■ Spare Parts

catalog number	locknut	locknut wrench	ft. lbs.	stop screw	wrench size stop screw
DV40DA208070M	LNA208M	OEW24M	44	SS038031G	2mm & 5/64
DV40DA108070M	LNA108M	OEW32M	55	SS056041G	4mm & 5/32

(continued)

(DA continued)



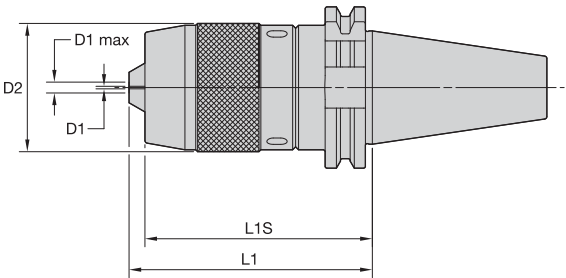
■ DA Round-DV Form AD

order number	catalog number	collet series	D11	L1	L9	V	lbs
1156380	DV40DA188070M	DA180	1.69	2.76	1.96	.67	2.65
1191925	DV40DA188100M	DA180	1.69	3.94	1.96	1.86	3.09
1191926	DV40DA188150M	DA180	1.69	5.91	1.96	1.86	3.97

■ Spare Parts

catalog number	locknut	locknut wrench	ft. lbs.	stop screw	wrench size stop screw
DV40DA188070M	LNA188M	HSW45M	100	SS081041G	4mm & 5/32
DV40DA188100M	LNA188M	HSW45M	100	SS081041G	4mm & 5/32
DV40DA188150M	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.

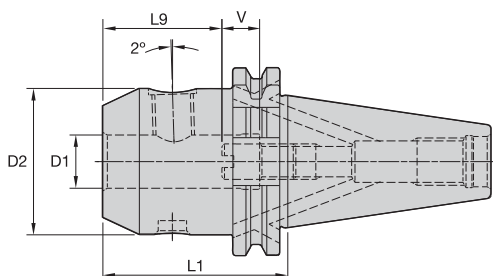


ERICKSON™

■ DC-DV Form A

order number	catalog number	D1		D1 max		D2	L1	L1S	locknut wrench	ft. lbs.	lbs
		mm	in	mm	in						
3583505	DV40DC13090M	1,0	.039	13,0	.512	50,5	102,3	90	PSW45M	40	3.48

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



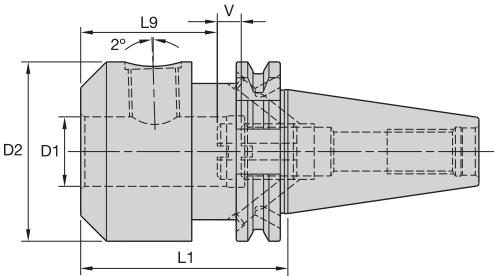
ERICKSON

■ WN MM-DV 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
1135194	DV40BWN06050M	6	25	50	30	10	SS03M012	3mm	7	571.060	2,5mm	0,89
1135203	DV40BWN08050M	8	28	50	30	10	SS03M014	4mm	15	571.067	3mm	0,92
1135210	DV40BWN10050M	10	35	50	35	10	SS03M018	5mm	25	571.068	4mm	0,98
1135219	DV40BWN12050M	12	42	50	40	10	SS03M023	6mm	35	571.074	5mm	1,05
1135227	DV40BWN14050M	14	44	50	40	10	SS03M023	6mm	35	571.074	5mm	1,07
1135245	DV40BWN16063M	16	48	63	43	10	SS03M025	6mm	50	571.075	6mm	1,27
1135255	DV40BWN18063M	18	50	63	43	10	SS03M025	6mm	50	571.075	6mm	1,31
1135265	DV40BWN20063M	20	52	63	45	10	SS03M026	8mm	95	571.076	6mm	1,29
1135273	DV40BWN25100M	25	65	100	50	10	SS03M027	10mm	135	571.076	6mm	2,26
1135282	DV40BWN32100M	32	72	100	54	10	SS03M029	10mm	160	571.076	6mm	2,48

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



ERICKSON™

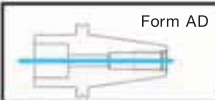
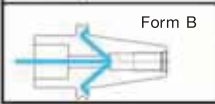
■ SWN MM-DV Form B/AD

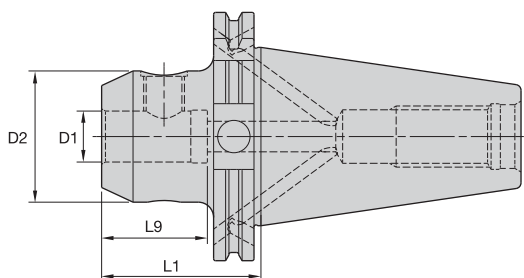


order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
1134537	DV40BSWN25075M	25	65	75	44	15	SS03M027	10mm	135	571.066	10mm	1,71
1134538	DV40BSWN32075M	32	72	75	46	17	SS03M029	10mm	160	571.066	10mm	1,80

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.

DV40 Shank Tools

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



ERICKSON

■ EM MM-DV Form B/AD

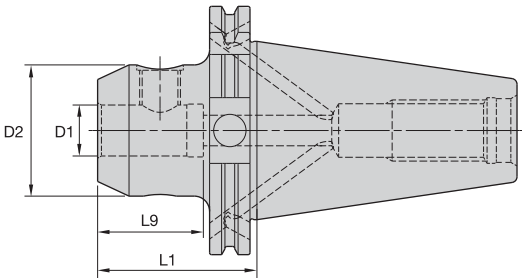


order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
1263781	DV40BEM06050M	6	25	50	40	SS03M012	3mm	7	0,88
1263784	DV40BEM08050M	8	28	50	40	SS03M014	4mm	15	0,93
1263787	DV40BEM10050M	10	35	50	45	SS03M018	5mm	25	0,96
1263790	DV40BEM12050M	12	42	50	50	SS03M023	6mm	35	1,03
1886608	DV40BEM14050M	14	44	50	50	SS03M023	6mm	35	1,06
1263796	DV40BEM16063M	16	48	63	53	SS03M025	6mm	50	1,25
1263799	DV40BEM20063M	20	50	63	55	SS03M026	8mm	95	1,25
1156378	DV40BEM25100M	25	65	100	60	SS03M027	10mm	135	2,27
1237816	DV40BEM32100M	32	72	100	65	SS03M029	10mm	160	2,48

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.

DV40 Shank Tools

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

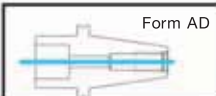
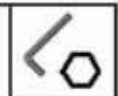
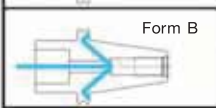
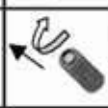


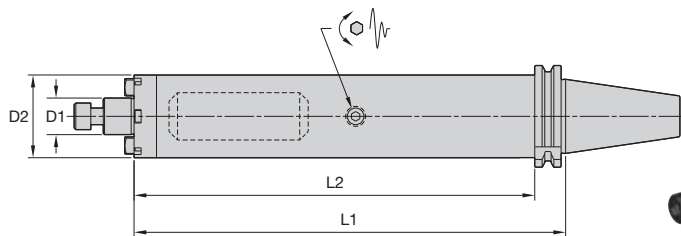
SEM MM-DV Form B/AD

order number	catalog number	D1	D2	L1	L9
1263821	DV40BSEM25045M	25	44,45	45	60
1263822	DV40BSEM32070M	32	65,50	70	—

NOTE: Do not overtighten clamp screw.
Supplied with clamp screw.
Clamp screw wrench not included.
For retention knobs, see page L45.

DV40 Shank Tools

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



ERICKSON

■ SMC TD Cap MM-DV Form B/AD

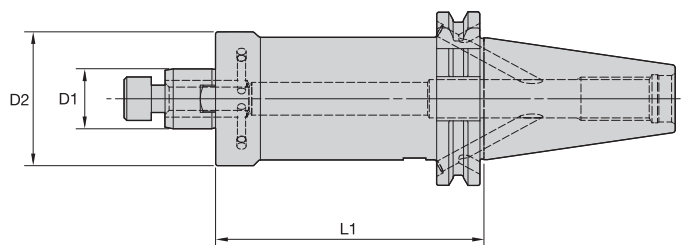
order number	catalog number	D1	D2	L1	L2	lock screw	drive key	wrench size lock screw	kg
4135132	DV40BTDSMC22260M	22	49	260	13,5	MS1234	KDK22M	8mm	4,30

■ SMC TD Lock MM-DV Form B/AD

order number	catalog number	D1	D2	L1	L2	lock screw	drive key	wrench size lock screw	kg
4135483	DV40BTDSMC27260M	27	61	260	241,0	KLSS27M	—	10mm	5,88

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

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



ERICKSON

■ SMC Cap MM-DV Form B/AD

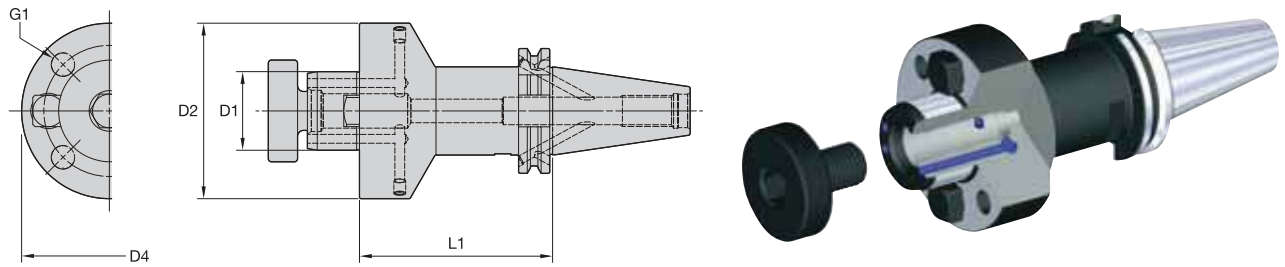


order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	kg
3767816	DV40BSM2C16035M	16	38	35	MS1294	KDK16M	6mm	0,94
3767818	DV40BSM2C16100M	16	38	100	MS1294	KDK16M	6mm	1,46
3767815	DV40BSMC16035M	16	44	35	MS1294	KDK16M	6mm	0,98
3767817	DV40BSMC16100M	16	44	100	MS1294	KDK16M	6mm	1,70
3767820	DV40BSM2C22035M	22	42	35	MS1234	—	8mm	1,00
3767822	DV40BSM2C22100M	22	42	100	MS1234	—	8mm	1,65
3767819	DV40BSMC22035M	22	49	35	MS1234	KDK22M	8mm	1,06
3767821	DV40BSMC22100M	22	49	100	MS1234	KDK22M	8mm	1,81

(continued)

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

(SMC continued)



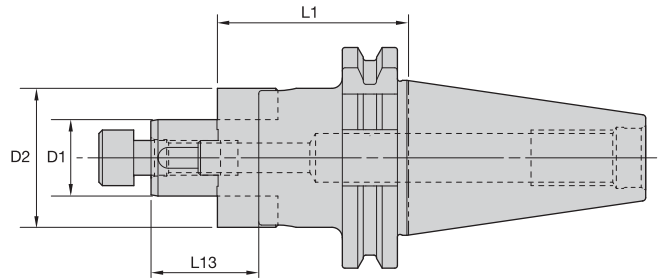
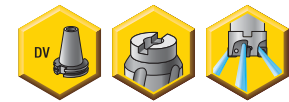
■ SMC Lock MM-DV Form B/AD



order number	catalog number	D1	D2	L1	G1	D4	lock screw	drive key	wrench size lock screw	kg
3767833	DV40BSMC27035M	27	50,0	35	—	—	KLSS27M	KDK27M	10mm	1,14
3767834	DV40BSMC27100M	27	60,0	100	—	—	KLSS27M	KDK27M	10mm	2,05
3767835	DV40BSMC32050M	32	78,0	50	—	—	KLSS32M	KDK32M	14mm	1,77
3767836	DV40BSMC32100M	32	78,0	100	—	—	KLSS32M	KDK32M	14mm	2,54
3767837	DV40BSMC40050M	40	89,3	50	M12 X 1.75	67	KLSS40M	KDK40M	17mm	2,01
3767838	DV40BSMC40100M	40	89,3	100	M12 X 1.75	67	KLSS40M	KDK40M	17mm	3,23

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

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



ERICKSON

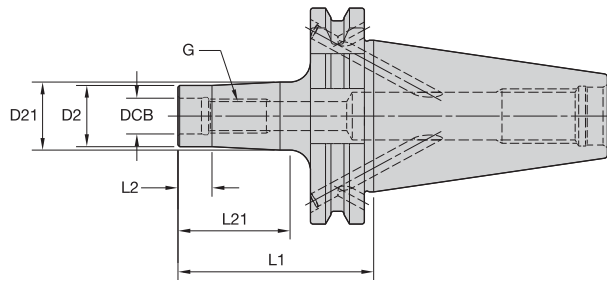
■ CS MM-DV Form AD • Cap Screw Design

order number	catalog number	D1	D2	L1	L13	lock screw	wrench size lock screw	combi driver ring	combi drive key	kg
1263828	DV40CS16055M	16	32	55	27	MS1294	6mm	CDR16M	CDK16M	1,02
1191920	DV40CS16100M	16	32	100	27	MS1294	6mm	CDR16M	CDK16M	1,25
1236436	DV40CS22055M	22	40	55	31	MS1234	8mm	CDR22M	CDK22M	1,18
1191921	DV40CS22100M	22	40	100	31	MS1234	8mm	CDR22M	CDK22M	1,56

■ CS MM-DV Form AD • Lock Screw Design

order number	catalog number	D1	D2	L1	L13	lock screw	wrench	combi driver ring	combi drive key	kg
1156379	DV40CS27055M	27	48	55	33	KLS27MPKG	SMW27M	CDR27M	CDK27M	1,36
1263832	DV40CS27100M	27	48	100	33	KLS27MPKG	SMW27M	CDR27M	CDK27M	1,94
1263833	DV40CS27150M	27	48	150	33	KLS27MPKG	SMW27M	CDR27M	CDK27M	2,59
1191922	DV40CS32060M	32	58	60	38	KLS32M	SMW32M	CDR32M	CDK32M	1,65
1263835	DV40CS32100M	32	58	100	38	KLS32M	SMW32M	CDR32M	CDK32M	2,43
1191923	DV40CS40060M	40	70	60	41	KLS40M	SMW40M	CDR40M	CDK40M	2,06

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.



ERICKSON

■ ST-DV Form B/AD

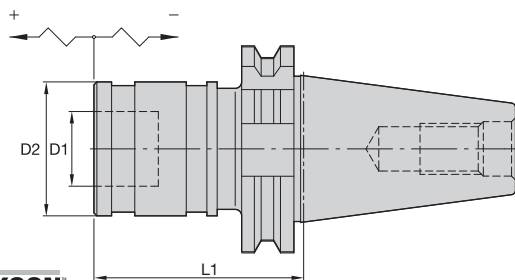
order number	catalog number	DCB	G	D2	D21	L1	L2	L21	kg
4066108	DV40BST06038M	6,5	M6	10	—	38	13	—	0,82
4066109	DV40BST06058M	6,5	M6	10	13	58	10	33	0,80
4066110	DV40BST06078M	6,5	M6	10	20	78	10	53	0,85
4066111	DV40BST06098M	6,5	M6	10	23	98	10	73	0,90
4066112	DV40BST08038M	8,5	M8	13	—	38	13	—	0,82
4066123	DV40BST08058M	8,5	M8	13	15	58	10	33	0,81
4066124	DV40BST08078M	8,5	M8	13	23	78	10	53	0,88
4066125	DV40BST08098M	8,5	M8	13	23	98	10	73	0,91
4066126	DV40BST10038M	10,5	M10	18	—	38	13	—	0,83
4066127	DV40BST10058M	10,5	M10	18	20	58	10	33	0,87
4066128	DV40BST10078M	10,5	M10	18	25	78	10	53	0,91
4066129	DV40BST10098M	10,5	M10	18	28	98	10	73	0,99
4066130	DV40BST12038M	12,5	M12	21	—	38	13	—	0,83
4066131	DV40BST12058M	12,5	M12	21	24	58	10	33	0,88
4066132	DV40BST12078M	12,5	M12	21	24	78	10	53	0,91
4066133	DV40BST12098M	12,5	M12	21	31	98	10	73	1,05
4066134	DV40BST12118M	12,5	M12	21	31	118	10	93	1,12
4066135	DV40BST16038M	17,0	M16	29	—	38	13	—	0,86
4066136	DV40BST16058M	17,0	M16	29	—	58	33	—	0,95
4066137	DV40BST16078M	17,0	M16	29	34	78	10	53	1,09
4066138	DV40BST16098M	17,0	M16	29	34	98	10	73	1,20
4066139	DV40BST16118M	17,0	M16	29	39	118	10	93	1,42

NOTE: For retention knobs, see page L45.

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

DV40 Shank Tools

Tap Chucks RC Tension and Compression • Solid

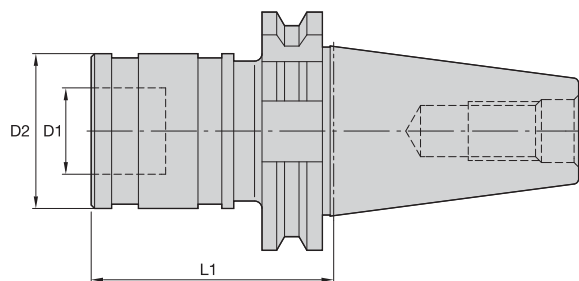


ERICKSON

■ RC-DV Form A

order number	catalog number	adapter size	tap size		D1	D2	L1	tension	compression	kg
			mm	in						
1777397	DV40RC1060M	1	M1 - M14	#0 - 9/16	19	36	60	7,5	7,5	1,80
1777380	DV40RC2098M	2	M5 - M24	5/16 - 7/8	31	53	98	12,5	12,5	2,00
1777381	DV40RC3150M	3	M14 - M27	13/16 - 1 3/8	48	78	150	20,0	20,0	2,70

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



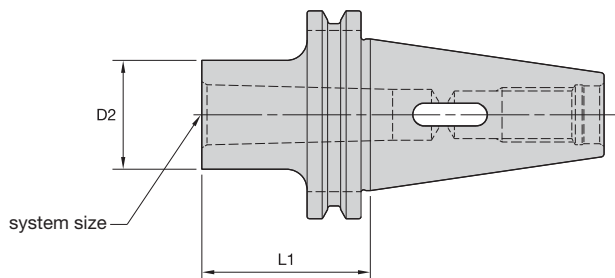
ERICKSON

■ STRC-DV Form A

order number	catalog number	adapter size	tap size		D1	D2	L1	kg
			mm	in				
1777541	DV40STRC1074M	1	M1 - M14	#0 - 9/16	19	36	74	1,20
1778012	DV40STRC2089M	2	M5 - M24	5/16 - 7/8	31	53	89	1,50

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





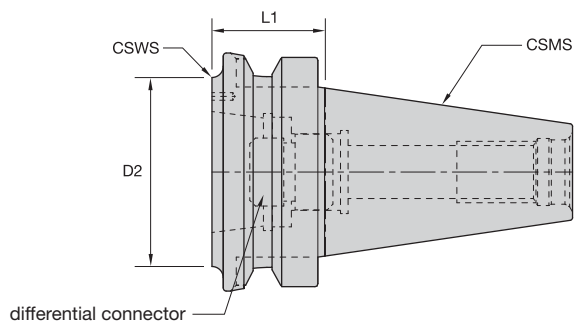
ERICKSON

■ MT-DV Form A

order number	catalog number	system size	D2	L1	kg
1191946	DV40MT1050M	1	25	50	1,03
1156384	DV40MT2050M	2	32	50	1,01
1191947	DV40MT3070M	3	40	70	1,03
1191948	DV40MT4095M	4	48	95	1,25

NOTE: For retention knobs; see page L45.

- Differential connector included.



■ DV to KR DIN 69871 AD/B • Metric



order number	catalog number	CSMS system size	CSWS system size	D2	L1	differential connector	kg	reference head
1539005	DV40BKR32041M	DV40	KR32	44	41	KRDCKR32M	1,00	SVS00B,0B,1B,2B,3B,SVUBB1,BB2
1263816	DV40BKR50060M	DV40	KR50	65	60	KRDCKR50M	1,40	SVS4B,5B,SVU65,SVUBB2

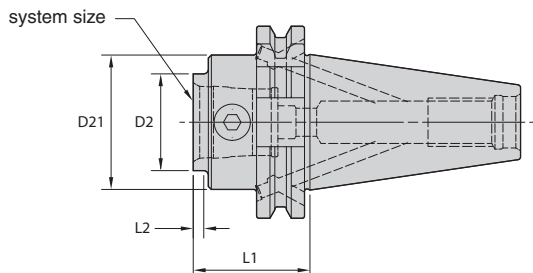
■ DV to KR DIN 69871 AD/B • Inch



order number	catalog number	CSMS system size	CSWS system size	D2	L1	differential connector	lbs	reference head
1539005	DV40BKR32041M	DV40	KR32	1.75	1.614	KRDCKR32M	2.20	SVS00B,0B,1B,2B,3B,SVUBB1,BB2
1263816	DV40BKR50060M	DV40	KR50	2.56	2.362	KRDCKR50M	3.08	SVS4B,5B,SVU65,SVUBB2

NOTE: For Romicon boring systems, see the Kennametal Innovations Master Catalog Cutting Tools 2013.

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



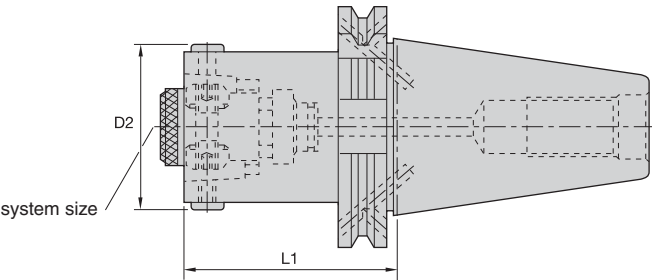
■ KM-DV Form B/AD



order number	catalog number	system size	D2	D21	L1	L2	KM spare parts package	wrench size actuation screw	Nm	kg
1974735	DV40BKM32040M	KM32	32	44,5	40	5	KM32PKG3L	5mm	8-11	0,97
1974736	DV40BKM32090M	KM32	32	44,5	90	55	KM32PKG3S	5mm	8-11	1,23
1974737	DV40BKM40040M	KM40	40	44,5	40	5	KM40PKG3L	6mm	12-16	0,95
1974738	DV40BKM40100M	KM40	40	44,5	100	65	KM40PKG3S	6mm	12-16	1,47
1974739	DV40BKM50060M	KM50	50	—	60	41	KM50PKG3S	10mm	27-34	1,22
1974740	DV40BKM50120M	KM50	50	—	120	101	KM50PKG3S	10mm	27-34	2,07

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



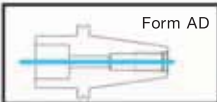
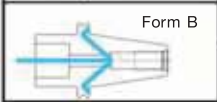
ERICKSON

■ **HSK-DV Form B/AD**

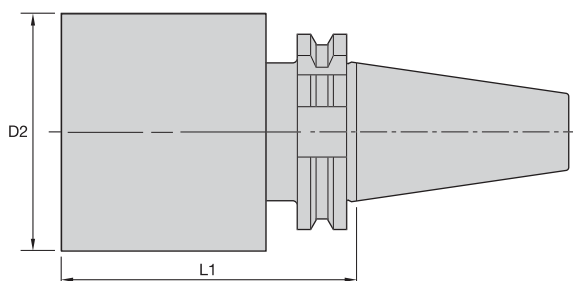
order number	catalog number	system size	D2	L1	wrench size actuation screw	Nm	kg
1519665	DV40BHSK40060M	HSK40	45	60	3mm	8	1,00
1519668	DV40BHSK50065M	HSK50	55	65	4mm	15	1,00
1320683	DV40BHSK63075M	HSK63	70	75	5mm	20	1,20

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

DV40 Shank Tools

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

- Machinable front 20–30 HRC.



ERICKSON

■ BB-DV Form A

order number	catalog number	D2	L1	kg
1263773	DV40BB063280M	63	280	7,00
1263774	DV40BB082280M	82	280	11,15
1263775	DV40BB104200M	104	200	11,99

NOTE: For retention knobs, see page L45.



ERICKSON™ DV V-Flange Shank Tooling System • DV50 Series

Primary Application

ERICKSON V-Flange DV Taper Tooling is manufactured from premium materials and meets or exceeds the latest DIN 69871 specification and ISO-1947 taper accuracy of AT3 specification standards. The DV50 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.



DV DIN 69871 Form B/AD Shank

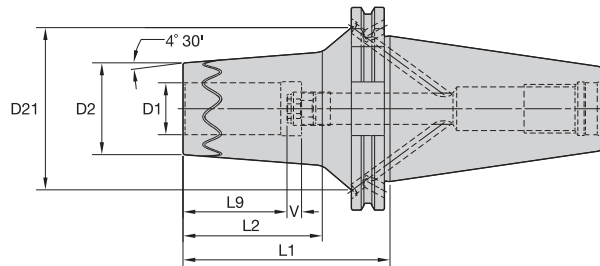
NOTE: Inherent out-of-balance conditions due to notch and unequal depth of drive slots.



Features and Benefits

- DIN 69871 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-DV FORM B/AD**

order number	catalog number	D1	D2	D21	L1	L2	L9	V	kg
5090271	DV50BSFTT12080M	12	27	55	80	61	37	10	2,97
5090272	DV50BSFTT14080M	14	33	43	80	61	37	10	3,10
5090273	DV50BSFTT16080M	16	33	43	80	61	40	10	3,06
5090274	DV50BSFTT18080M	18	45	54	80	61	40	10	3,41
5090275	DV50BSFTT20080M	20	45	54	80	61	42	10	3,37
5090276	DV50BSFTT25100M	25	44	78	100	81	48	10	3,72

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

Looking for a product that's not shown in this catalog?
Check the Kennametal website!



Tooling Systems

Online product catalog available 24/7

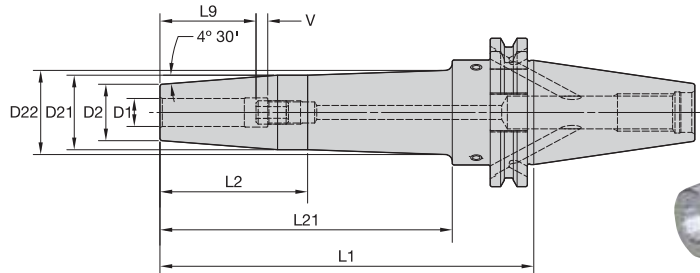
Visit <http://www.kennametal.com/toolingsystems/> to browse our electronic catalog any time you're looking for Kennametal's best tooling solutions. It's fast, free, and always available. The online e-catalog is updated weekly with products and solutions for milling, turning, holemaking, and tooling systems applications.

DV50 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-DV Form B/AD

order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3790206	DV50BHPVTT06080M	6	21	27	—	80	61	—	26	10	TTSS05014M	2,5mm	2,72
3790207	DV50BHPVTT06120M	6	21	27	—	120	85	—	26	10	TTSS05014M	2,5mm	3,30
3790208	DV50BHPVTT06160M	6	21	27	32	160	50	125	26	10	TTSS05014M	2,5mm	3,54
3790209	DV50BHPVTT08080M	8	21	27	—	80	61	—	26	10	TTSS06014M	3mm	2,71
3790210	DV50BHPVTT08120M	8	21	27	—	120	85	—	26	10	TTSS06014M	3mm	3,29
3790211	DV50BHPVTT08160M	8	21	27	32	160	50	125	26	10	TTSS06014M	3mm	3,53
3790212	DV50BHPVTT10080M	10	24	32	—	80	61	—	31	10	TTSS08014M	4mm	2,78
3790213	DV50BHPVTT10120M	10	24	32	—	120	85	—	31	10	TTSS08014M	4mm	3,40
3790214	DV50BHPVTT10160M	10	24	32	36	160	63	125	31	10	TTSS08014M	4mm	3,70
3617660	DV50BHPVTT12080M	12	24	32	—	80	61	—	36	10	TTSS10014M	5mm	2,76
3617661	DV50BHPVTT12120M	12	24	32	—	120	85	—	36	10	TTSS10014M	5mm	3,38
3617662	DV50BHPVTT12160M	12	24	32	36	160	63	125	36	10	TTSS10014M	5mm	3,68
3617663	DV50BHPVTT14080M	14	27	34	—	80	61	—	36	10	TTSS10014M	5mm	2,81
3617664	DV50BHPVTT14120M	14	27	34	—	120	85	—	36	10	TTSS10014M	5mm	3,45

(continued)

(TT GP HPV MM-DV Form B/AD continued)



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3617665	DV50BHPVTT14160M	14	27	34	39	160	57	125	36	10	TTSS10014M	5mm	3,79
3617666	DV50BHPVTT16080M	16	27	34	—	80	61	—	39	10	TTSS12014M	6mm	2,80
3617667	DV50BHPVTT16120M	16	27	34	—	120	85	—	39	10	TTSS12014M	6mm	3,42
3617668	DV50BHPVTT16160M	16	27	34	39	160	57	125	39	10	TTSS12014M	6mm	3,76
3617669	DV50BHPVTT18080M	18	33	41	—	80	61	—	39	10	TTSS12014M	6mm	2,93
3617670	DV50BHPVTT18120M	18	33	42	—	120	85	—	39	10	TTSS12014M	6mm	3,65
3617671	DV50BHPVTT18160M	18	33	42	46	160	69	125	39	10	TTSS12014M	6mm	4,13
3617672	DV50BHPVTT20080M	20	33	41	—	80	61	—	41	10	TTSS16014M	8mm	2,90
3617673	DV50BHPVTT20120M	20	33	42	—	120	85	—	41	10	TTSS16014M	8mm	3,61
3617674	DV50BHPVTT20160M	20	33	42	46	160	69	125	41	10	TTSS16014M	8mm	4,08
3617675	DV50BHPVTT25100M	25	44	53	—	100	81	—	47	10	TTSS16014M	8mm	3,48
3617676	DV50BHPVTT25160M	25	44	53	—	160	120	—	47	10	TTSS16014M	8mm	4,74
3617677	DV50BHPVTT32100M	32	44	53	—	100	81	—	51	10	TTSS16014M	8mm	3,32
3617678	DV50BHPVTT32160M	32	44	53	—	160	120	—	51	10	TTSS16014M	8mm	4,58

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

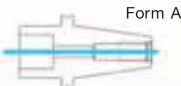
Shrink fit technical section, see page M78.

Supplied with stop screw.

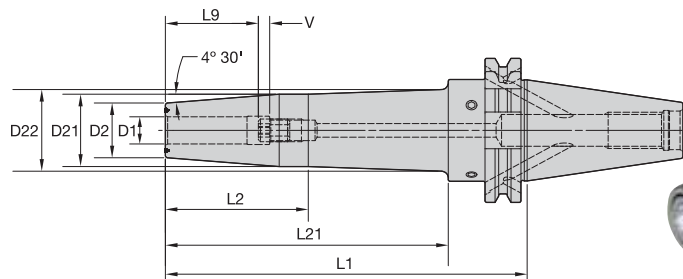
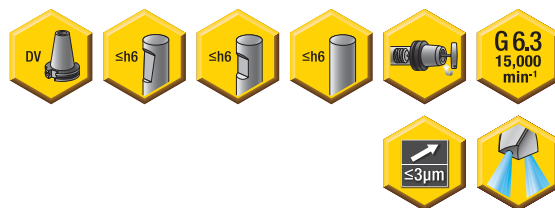
Adjusting stop screw gage, see page M81.

Optional M6~1.0P x 5 lg fine-balancing screw set (10 pieces) is available. Order number is MS127PKG 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-DV Form B/AD



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3617623	DV50BHPVTHT12080M	12	24	32	—	80	61	—	36	10	TTSS10014M	5mm	2,76
3617624	DV50BHPVTHT12120M	12	24	32	—	120	85	—	36	10	TTSS10014M	5mm	3,38
3617625	DV50BHPVTHT12160M	12	24	32	36	160	63	125	36	10	TTSS10014M	5mm	3,68
3617626	DV50BHPVTHT14080M	14	27	34	—	80	61	—	36	10	TTSS10014M	5mm	2,81
3617627	DV50BHPVTHT14120M	14	27	34	—	120	85	—	36	10	TTSS10014M	5mm	3,45
3617628	DV50BHPVTHT14160M	14	27	34	39	160	57	125	36	10	TTSS10014M	5mm	3,79
3617629	DV50BHPVTHT16080M	16	27	34	—	80	61	—	39	10	TTSS12014M	6mm	2,80
3617630	DV50BHPVTHT16120M	16	27	34	—	120	85	—	39	10	TTSS12014M	6mm	3,42
3617631	DV50BHPVTHT16160M	16	27	34	39	160	57	125	39	10	TTSS12014M	6mm	3,76
3617632	DV50BHPVTHT18080M	18	33	41	—	80	61	—	39	10	TTSS12014M	6mm	2,93
3617633	DV50BHPVTHT18120M	18	33	42	—	120	85	—	39	10	TTSS12014M	6mm	3,65
3617634	DV50BHPVTHT18160M	18	33	42	46	160	69	125	39	10	TTSS12014M	6mm	4,13

(continued)

(TT HT HPV MM-DV Form B/AD continued)



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg
3617635	DV50BHPVTTH20080M	20	33	41	—	80	61	—	41	10	TTSS16014M	8mm	2,90
3617636	DV50BHPVTTH20120M	20	33	42	—	120	85	—	41	10	TTSS16014M	8mm	3,61
3617637	DV50BHPVTTH20160M	20	33	42	46	160	69	125	41	10	TTSS16014M	8mm	4,08
3617638	DV50BHPVTTH25100M	25	44	53	—	100	81	—	47	10	TTSS16014M	8mm	3,48
3617639	DV50BHPVTTH25160M	25	44	53	—	160	125	—	47	10	TTSS16014M	8mm	4,74
3617640	DV50BHPVTTH32100M	32	44	53	—	100	81	—	51	10	TTSS16014M	8mm	3,32
3617641	DV50BHPVTTH32160M	32	44	53	—	160	125	—	51	10	TTSS16014M	8mm	4,58

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

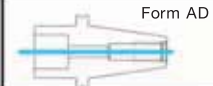
Shrink Fit technical section, see page M78.

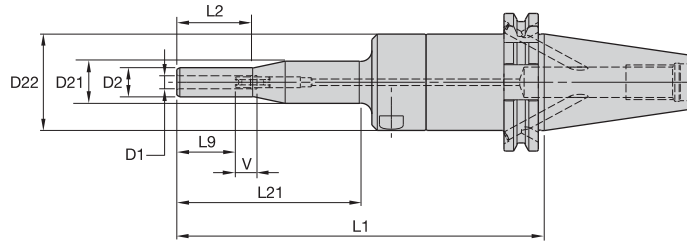
Supplied with stop screw.

Adjusting stop screw gage, see page M81.

Optional M6~1.0P x 5 lg fine-balancing screw set (10 pieces) is available. Order number is M51276PKG 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-DV Form B/AD

order number	catalog number	D1	D2	D21	D22	L1	L2	L9	L21	V	kg
3019239	DV50BHCSLT06200M	6	13,5	19,5	44	200	35	27	85	10	3,81
3019240	DV50BHCSLT08200M	8	15,5	19,5	44	200	35	27	85	10	3,82
3019241	DV50BHCSLT10200M	10	17,5	44,5	—	200	85	31	181	10	3,81

■ Spare Parts

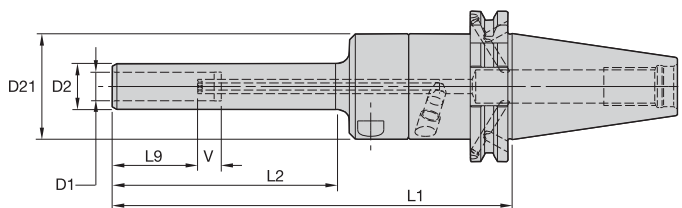


catalog number	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size stop screw
DV50BHCSLT06200M	170.135	5mm	170.002	2,5mm
DV50BHCSLT08200M	170.135	5mm	170.002	2,5mm
DV50BHCSLT10200M	170.135	5mm	170.003	3mm

(continued)

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

(HC Slim continued)



■ HC Slim MM-DV Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L9	V	kg
2634420	DV50BHCSL12200M	12	19,5	44,5	200	95	36	10	3,57
2634421	DV50BHCSL14200M	14	21,5	52,5	200	95	36	10	3,99
2634422	DV50BHCSL16200M	16	23,5	52,5	200	95	39	10	4,01
2634533	DV50BHCSL18200M	18	25,5	52,5	200	95	39	10	4,05
2634534	DV50BHCSL20200M	20	27,5	52,5	200	95	41	10	4,09

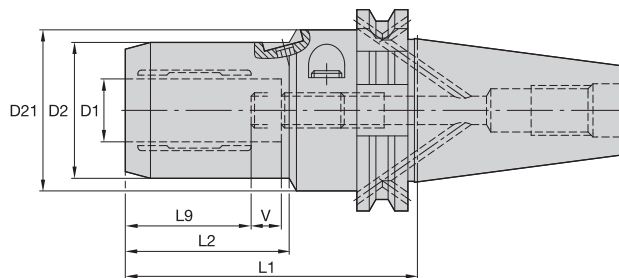
■ Spare Parts



catalog number	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size stop screw
DV50BHCSL12200M	170.135	5mm	170.002	2,5mm
DV50BHCSL14200M	170.135	5mm	170.002	2,5mm
DV50BHCSL16200M	170.135	5mm	170.002	2,5mm
DV50BHCSL18200M	170.135	5mm	170.002	2,5mm
DV50BHCSL20200M	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



ERICKSON

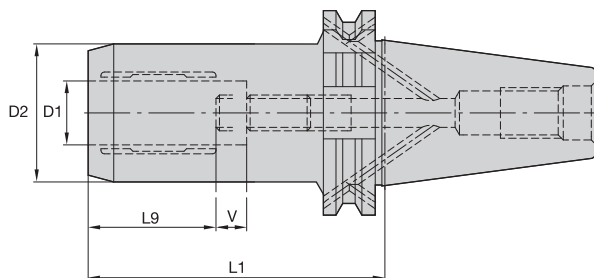
■ HC MM-DV Form B/AD

DV50 Shank Tools

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
1245450	DV50BHC06072M	6	25,7	50	72	33	30	10	170.135	5mm	170.002	2,5mm	2,87
1245451	DV50BHC08072M	8	27,7	50	72	34	30	10	170.135	5mm	170.002	2,5mm	2,90
1191014	DV50BHC10077M	10	29,7	50	77	39	35	10	170.135	5mm	170.002	2,5mm	2,92
1191015	DV50BHC12077M	12	31,6	50	77	40	35	10	170.135	5mm	170.002	2,5mm	2,93
1245452	DV50BHC14082M	14	33,6	50	82	46	40	10	170.135	5mm	170.003	3mm	2,96
1245453	DV50BHC16082M	16	37,6	50	82	47	40	10	170.135	5mm	170.003	3mm	3,02
1245454	DV50BHC18082M	18	39,6	50	82	47	40	10	170.135	5mm	170.003	3mm	3,04
1191016	DV50BHC20082M	20	41,6	50	82	48	40	10	170.135	5mm	170.003	3mm	3,06
1245455	DV50BHC25117M	25	49,8	63	117	51	51	10	170.136	6mm	170.004	4mm	4,03
1197514	DV50BHC32117M	32	59,8	63	117	59	51	10	170.136	6mm	170.004	4mm	4,21

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



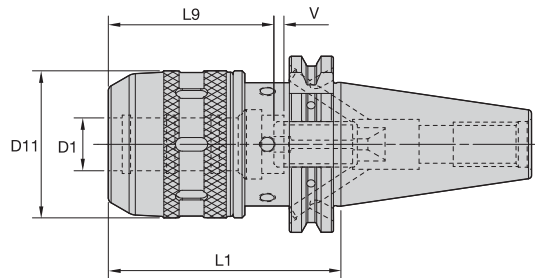
ERICKSON

■ HC Basic MM-DV Form B/AD

order number	catalog number	D1	D2	L1	L9	V	actuation wrench	wrench size actuation screw	stop screw wrench	wrench size stop screw	kg
1599686	DV50BHCB20082M	20	49,9	82	41	10	170.135	5mm	170.005	5mm	3,30

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



ERICKSON

■ HPMC MM-DV Form B/AD

order number	catalog number	D1	D11	L1	L9	V	locknut wrench	stop screw	wrench size stop screw	kg
3523090	DV50BHPMC20090M	20	53	90	49	20	PSW52M	MCSS16040M	2.5 mm & 5 mm	3,67
3523091	DV50BHPMC20165M	20	53	165	49	20	PSW52M	MCSS16040M	2.5 mm & 5 mm	4,76
3523092	DV50BHPMC25090M	25	61	90	55	20	PSW58M	MCSS16040M	2.5 mm & 5 mm	3,86
3523093	DV50BHPMC25165M	25	61	165	55	20	PSW58M	MCSS16040M	2.5 mm & 5 mm	5,37
3523094	DV50BHPMC32090M	32	70	90	58	20	PSW68M	MCSS16040M	2.5 mm & 5 mm	4,08
3523095	DV50BHPMC32165M	32	74	165	75	20	PSW68M	MCSS16040M	2.5 mm & 5 mm	6,12

NOTE: Milling chuck technical section, see page M88.

Supplied with locknut and stop screw.

Locknut wrench not included.

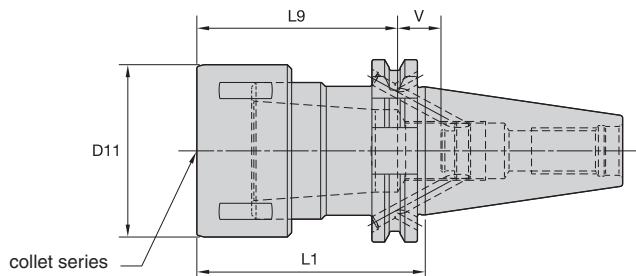
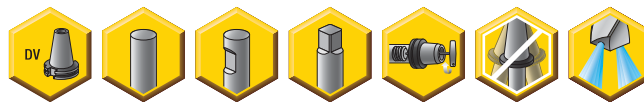
Optional M6~1,0P fine-balancing screw set is available (order number HPMCBALSCREWSET) and must be ordered separately; see page L14.

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).



ERICKSON

■ TG Round-DV Form B/AD

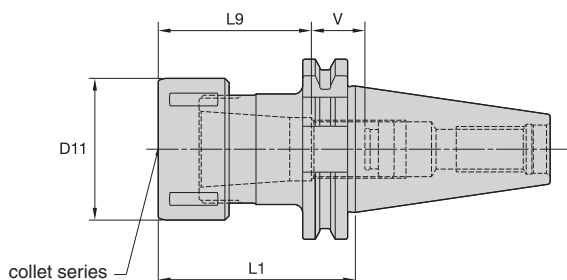
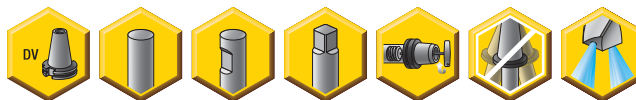


order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	stop screw	Collet Capacity		kg
										mm	inch	
										min	max	
1125523	DV50BTG100085M	TG100	60	85	70	18	LNA100M	HSW58M	SS112041G	2,6	25,5	3,00
1264147	DV50BTG100150M	TG100	60	150	70	80	LNA100M	HSW58M	SS112041G	5/64	1	4,50

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.

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-DV Form AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	stop screw	wrench size stop screw	kg
1156402	DV50TG100085M	TG100	60	85	70	38	LNA100M	HSW58M	SS112041G	4mm & 5/32	3,36
1156403	DV50TG100150M	TG100	60	150	70	80	LNA100M	HSW58M	SS112041G	4mm & 5/32	4,54
1264353	DV50TG100200M	TG100	60	200	70	80	LNA100M	HSW58M	SS112041G	4mm & 5/32	5,51
1252592	DV50TG150090M	TG150	85	90	83	27	LNA150M	HSW80M	SS162062G	4mm & 5/32	3,73
1228270	DV50TG150150M	TG150	85	150	83	67	LNA150M	HSW80M	SS162062G	4mm & 5/32	4,94

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.

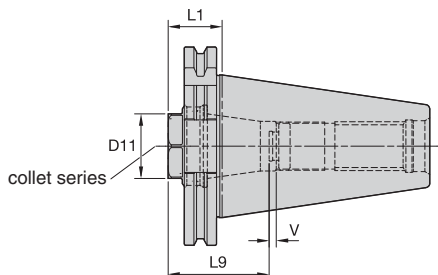
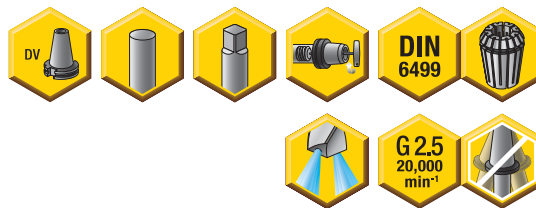
Balanceable/interchangeable locknuts are available and must be ordered separately; see page L16.

TG standard straight-bore collets, see page J10.

TG tap collets, see page J10.

For retention knobs, see page L45.

- Grip (2:1 advantage).



ERICKSON

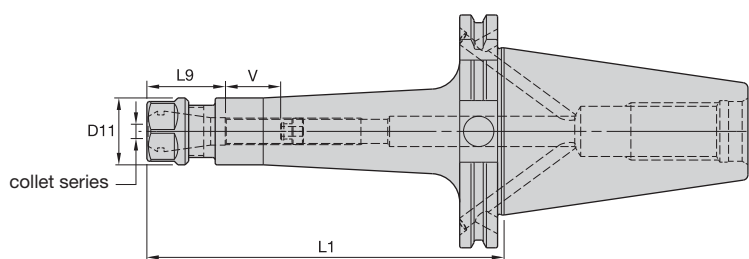
■ ER Short-DV Form AD

ER collet series	Collet Capacity			
	mm	inch	min	max
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	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
3479820	DV50SER32027M	ER32	36	27	50	17	LNECSER32M	OEW32M	136	SS094041G	4mm & 5/32	2,41
3479821	DV50SER40027M	ER40	46	27	57	11	LNECSER40M	OEW168	176	SS112041G	4mm & 5/32	2,24

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).



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

ERICKSON

■ ER Hex-DV Form B/AD

order number	catalog number	collet series	D11	L1	L9	V	kg
1748235	DV50BER16100M	ER16	28	100	32	48	2,81
1972537	DV50BER16150M	ER16	28	150	32	48	3,13

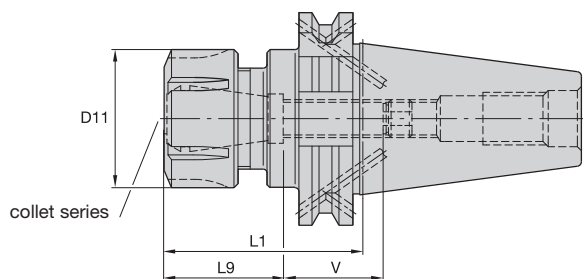
■ Spare Parts

catalog number	locknut	wrench	counterbore collet torque (Nm)	straight collet torque (Nm)	stop screw	wrench size stop screw
DV50BER16100M	LNHSER16M	OEW25M	40	56	SS044038G	4mm & 5/32
DV50BER16150M	LNHSER16M	OEW25M	40	56	SS044038G	4mm & 5/32

(continued)

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

(ER DV Form B/AD continued)



ER Round-DV Form B/AD

order number	catalog number	collet series	D11	L1	L9	V	kg
1264126	DV50BER25070M	ER25	42	70	40	50	2,87
1264127	DV50BER25150M	ER25	42	150	40	60	3,53
1264128	DV50BER32070M	ER32	50	70	46	54	2,91
1264129	DV50BER32150M	ER32	50	150	46	54	3,89
1264130	DV50BER40080M	ER40	63	80	52	48	3,25
1264132	DV50BER40150M	ER40	63	150	52	48	4,66

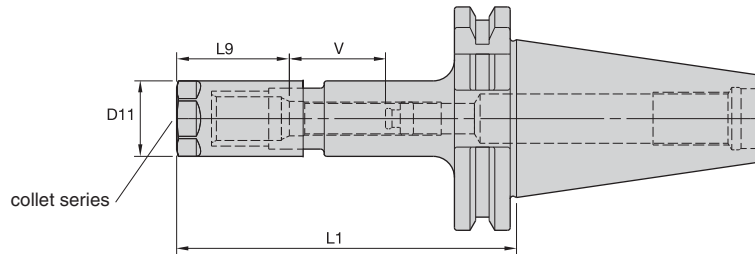
Spare Parts



catalog number	locknut	wrench	counterbore collet torque (Nm)	stop screw	wrench size stop screw
DV50BER25070M	LNSER25M	ER25WM	104	SS075041G	4mm & 5/32
DV50BER25150M	LNSER25M	ER25WM	104	SS075041G	4mm & 5/32
DV50BER32070M	LNSER32M	ER32WM	136	SS094041G	4mm & 5/32
DV50BER32150M	LNSER32M	ER32WM	136	SS094041G	4mm & 5/32
DV50BER40080M	LNSER40M	ER40WM	176	SS112041G	4mm & 5/32
DV50BER40150M	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



DA 08 collet series	Collet Capacity			
	mm	inch	min	max
DA200	0,2	10	1/64	25/64

ERICKSON

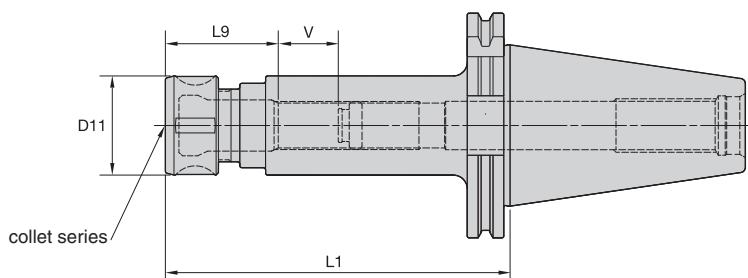
DA 04 Hex-DV Form AD



order number	catalog number	collet series	D11	L1	L9	V	locknut	wrench	Nm	stop screw	wrench size stop screw	kg
1264197	DV50DA204100M	DA200	21,46	100	38	32	LNA204M	OEW19M	54	SS038031G	2mm & 5/64	3,00
1264198	DV50DA204150M	DA200	21,46	150	38	32	LNA204M	OEW19M	54	SS038031G	2mm & 5/64	3,20

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–L68.
For retention knobs, see page L45.

- Grip 1:1.



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

ERICKSON

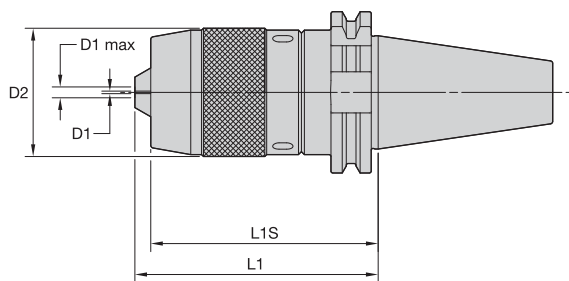
■ DA 08 Round-DV Form AD

order number	catalog number	collet series	D11	L1	L9	V
1179333	DV50DA188070M	DA180	43	70	50	49
1156389	DV50DA188150M	DA180	43	150	50	50
1136821	DV50DA188200M	DA180	43	200	50	50

■ Spare Parts

catalog number	locknut	locknut wrench	Nm	stop screw	wrench size stop screw
DV50DA188070M	LNA188M	HSW45M	136	SS081041G	4mm & 5/32
DV50DA188150M	LNA188M	HSW45M	136	SS081041G	4mm & 5/32
DV50DA188200M	LNA188M	HSW45M	136	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.
 For retention knobs, see page L45.



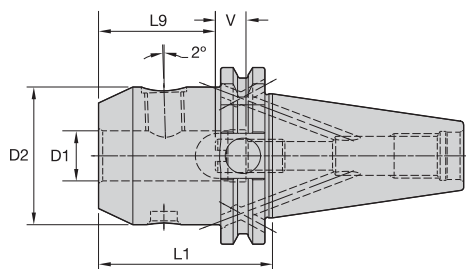
ERICKSON™

■ DC-DV Form A



order number	catalog number	D1		D1 max		D2	L1	L1S	locknut wrench	Nm	kg
		mm	in	mm	in						
3583506	DV50DC13090M	1,0	.039	13,0	.512	50,5	102,3	90	PSW45M	55	3,50

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

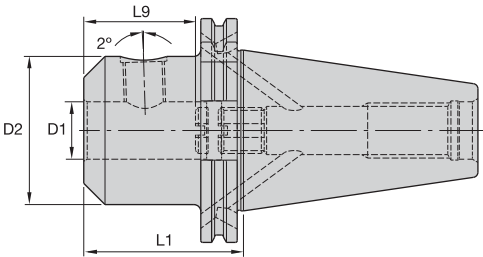

ERICKSON

■ WN MM-DV 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
1136755	DV50BWN06063M	6	25	63	30	10	SS03M012	3 mm	7	571.060	2,5mm	2,67
1136774	DV50BWN08063M	8	28	63	30	10	SS03M014	4 mm	15	571.067	3mm	2,71
1136783	DV50BWN10063M	10	35	63	35	10	SS03M018	5 mm	25	571.068	4mm	2,83
1191334	DV50BWN12063M	12	42	63	40	10	SS03M023	6 mm	35	571.074	5mm	2,95
1136800	DV50BWN14063M	14	44	63	40	10	SS03M023	6 mm	35	571.074	5mm	2,98
1136806	DV50BWN16063M	16	48	63	43	10	SS03M025	6 mm	50	571.075	6mm	3,05
1136814	DV50BWN18063M	18	50	63	43	10	SS03M025	6 mm	50	571.075	6mm	3,11
1136823	DV50BWN20063M	20	52	63	45	10	SS03M026	8 mm	95	571.076	6mm	3,12
1136842	DV50BWN25080M	25	65	80	50	10	SS03M027	10 mm	135	571.076	6mm	3,82
1136851	DV50BWN32100M	32	72	100	54	10	SS03M029	10 mm	160	571.076	6mm	4,59

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		



ERICKSON™

SWN IN-DV Form B/AD

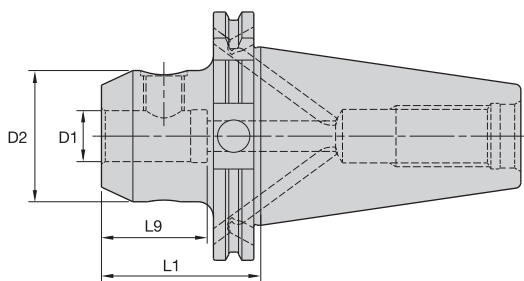


order number	catalog number	D1	D2	L1	L9	lock screw	Nm	wrench size lock screw	kg
1134539	DV50BSWN25070M	25	65	70	44	SS03M027	135	10mm	3,59
1134540	DV50BSWN32070M	32	70	70	46	SS03M029	160	10mm	3,69

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.

DV50 Shank Tools

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



ERICKSON

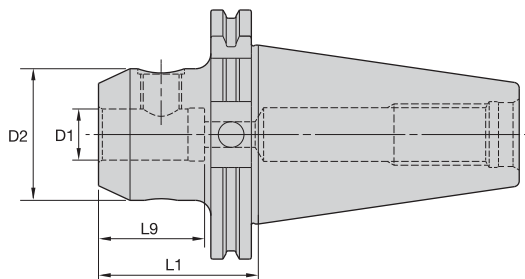
■ EM MM-DV Form B/AD



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
1264102	DV50BEM16063M	16	48	63	53	SS03M025	6mm	50	3,00
1264107	DV50BEM20063M	20	52	63	55	SS03M026	8mm	95	3,06
1156387	DV50BEM25080M	25	65	80	60	SS03M027	10mm	135	3,72
1156388	DV50BEM32100M	32	72	100	65	SS03M029	10mm	160	4,48
1264122	DV50BEM40110M	40	90	110	75	SS03M032	10mm	160	5,76
1264125	DV50BEM50120M	50	100	120	85	SS03M030	12mm	250	6,63

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



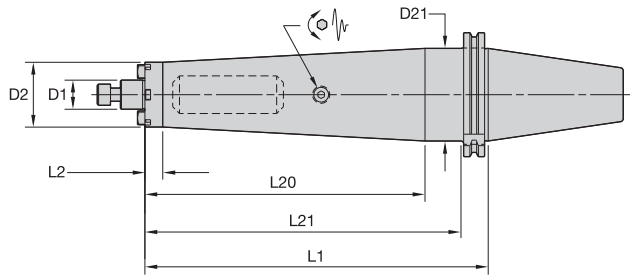
ERICKSON

■ EM MM-DV Form AD



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
1264207	DV50EM06063M	6	25	63	40	SS03M012	3mm	7	2,67
1264208	DV50EM06150M	6	25	150	40	SS03M012	3mm	7	2,96
1264210	DV50EM08063M	8	28	63	40	SS03M014	4mm	15	2,71
1264212	DV50EM08150M	8	28	150	40	SS03M014	4mm	15	3,05
1264214	DV50EM10063M	10	35	63	45	SS03M018	5mm	25	2,84
1264216	DV50EM10150M	10	35	150	45	SS03M018	5mm	25	3,39
1191975	DV50EM12063M	12	42	63	50	SS03M023	6mm	35	3,02
1264219	DV50EM12150M	12	42	150	50	SS03M023	6mm	35	3,77
1189666	DV50EM16150M	16	48	150	53	SS03M025	6mm	50	4,13
1152193	DV50EM20150M	20	52	150	55	SS03M026	8mm	95	4,44

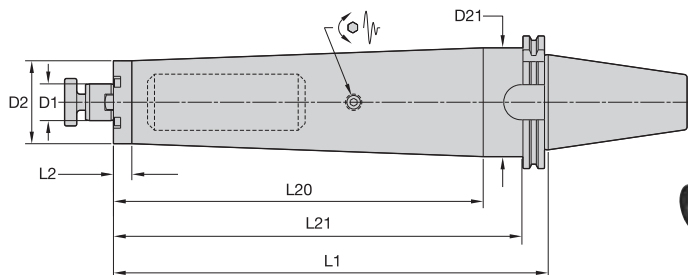
NOTE: Do not overtighten lock screw; use torque recommendations above.
Supplied with lock screw.
Lock screw wrench not included.
For retention knobs, see page L45.



ERICKSON

■ SMC TD Cap MM-DV Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L20	L21	lock screw	drive key	wrench size lock screw	kg
4135484	DV50BTDSMC22260M	22	49	70	260	13,5	211,8	241	MS1234	KDK22M	8mm	7,83

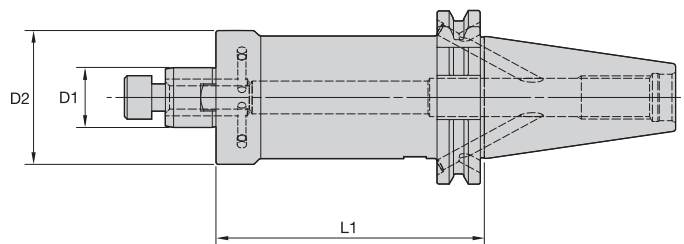


■ SMC TD Lock MM-DV Form B/AD

order number	catalog number	D1	D2	D21	L1	L2	L20	L21	lock screw	drive key	wrench size lock screw	kg
4135485	DV50BTDSMC27320M	27	61	80	320	13,5	271,8	301	KLSS27M	—	10mm	11,63
4135486	DV50BTDSMC32330M	32	78	—	330	311,0	—	—	KLSS32M	KDK32M	14mm	15,91

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

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



ERICKSON

■ SMC Cap MM-DV Form B/AD

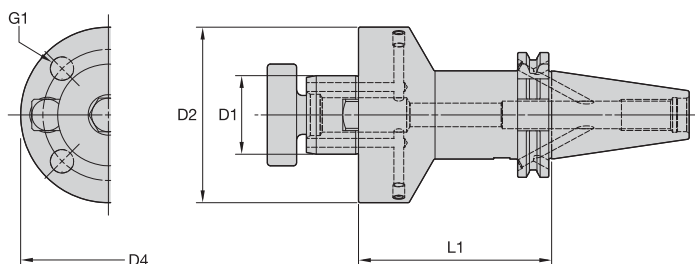


order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	kg
3767840	DV50BSM2C16035M	16	38	35	MS1294	KDK16M	6mm	2,73
3767842	DV50BSM2C16100M	16	38	100	MS1294	KDK16M	6mm	3,17
3767839	DV50BSMC16035M	16	44	35	MS1294	KDK16M	6mm	2,76
3767841	DV50BSMC16100M	16	44	100	MS1294	KDK16M	6mm	3,39
3767844	DV50BSM2C22035M	22	42	35	MS1234	—	8mm	2,76
3767846	DV50BSM2C22100M	22	42	100	MS1234	—	8mm	3,31
3767848	DV50BSM2C22150M	22	42	150	MS1234	—	8mm	3,75
3767843	DV50BSMC22035M	22	49	35	MS1234	KDK22M	8mm	2,82
3767845	DV50BSMC22100M	22	49	100	MS1234	KDK22M	8mm	3,63
3767847	DV50BSMC22150M	22	49	150	MS1234	KDK22M	8mm	4,26

(continued)

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

(SMC continued)



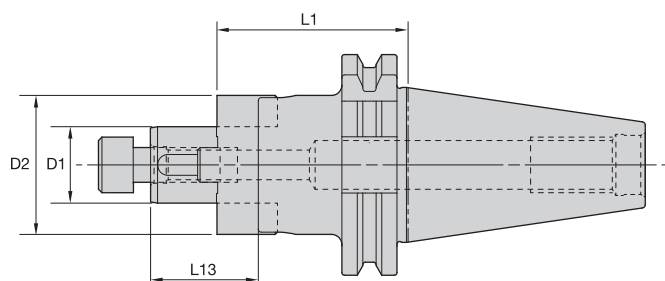
■ SMC Lock MM-DV Form B/AD



order number	catalog number	D1	D2	L1	G1	D4	lock screw	drive key	wrench size lock screw	kg
3767849	DV50BSMC27035M	27	60,0	35	—	—	KLSS27M	KDK27M	10mm	2,98
3767850	DV50BSMC27100M	27	60,0	100	—	—	KLSS27M	KDK27M	10mm	4,26
3767851	DV50BSMC27150M	27	60,0	150	—	—	KLSS27M	KDK27M	10mm	5,24
3767852	DV50BSMC32035M	32	78,0	35	—	—	KLSS32M	KDK32M	14mm	3,31
3767853	DV50BSMC32100M	32	78,0	100	—	—	KLSS32M	KDK32M	14mm	5,17
3767854	DV50BSMC32150M	32	78,0	150	—	—	KLSS32M	KDK32M	14mm	6,58
3767855	DV50BSMC40050M	40	89,3	50	M12 X 1.75	66,7	KLSS40M	KDK40M	17mm	4,18
3767856	DV50BSMC40100M	40	89,3	100	M12 X 1.75	66,7	KLSS40M	KDK40M	17mm	5,76
3767857	DV50BSMC40150M	40	89,3	150	M12 X 1.75	66,7	KLSS40M	KDK40M	17mm	7,12
3767858	DV50BSMC60070M	60	129,0	70	M16 X 2.0	101,6	—	KDK60M	—	6,24

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

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

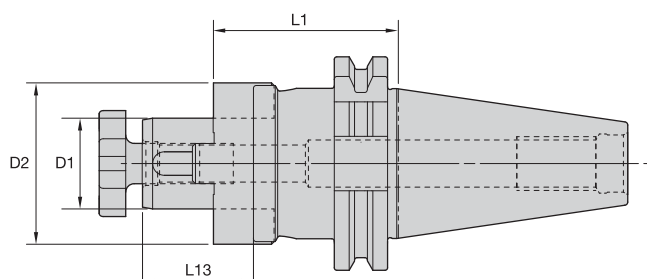


ERICKSON

■ **CS-DV Form AD • Cap Screw Design**



order number	catalog number	D1	D2	L1	L13	lock screw	wrench size retention screw	combi driver ring	combi drive key	kg
1264174	DV50CS16055M	16	32	55	27	MS1294	6mm	CDR16M	CDK16M	2,78
1191972	DV50CS22055M	22	40	55	31	MS1234	8mm	CDR22M	CDK22M	2,93
1264181	DV50CS22100M	22	40	100	31	MS1234	8mm	CDR22M	CDK22M	3,36
1236218	DV50CS22150M	22	40	150	31	MS1234	8mm	CDR22M	CDK22M	3,83

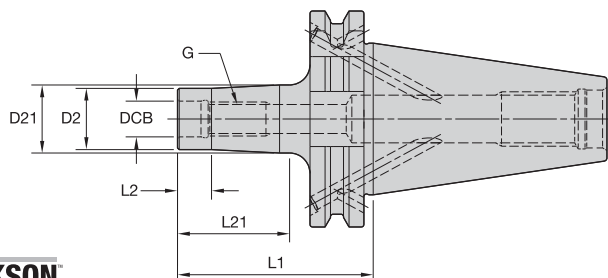


■ **CS-DV Form AD • Lock Screw Design**



order number	catalog number	D1	D2	L1	L13	lock screw	lock screw wrench	combi driver ring	combi drive key	kg
1191973	DV50CS27055M	27	48	55	33	KLS27MPKG	SMW27M	CDR27M	CDK27M	3,11
1264185	DV50CS27100M	27	48	100	33	KLS27MPKG	SMW27M	CDR27M	CDK27M	3,75
1264186	DV50CS27150M	27	48	150	33	KLS27MPKG	SMW27M	CDR27M	CDK27M	4,27
1191974	DV50CS32055M	32	58	55	38	KLS32M	SMW32M	CDR32M	CDK32M	3,41
1264188	DV50CS32100M	32	58	100	38	KLS32M	SMW32M	CDR32M	CDK32M	4,29
1264189	DV50CS32150M	32	58	150	38	KLS32M	SMW32M	CDR32M	CDK32M	5,18
1232559	DV50CS40100M	40	70	100	41	KLS40M	SMW40M	CDR40M	CDK40M	5,17
1264192	DV50CS40150M	40	70	150	41	KLS40M	SMW40M	CDR40M	CDK40M	6,57
1264194	DV50CS50075M	50	90	75	46	KLS50M	SMW50M	CDR50M	CDK50M	7,20
1264195	DV50CS50150M	50	90	150	46	KLS50M	SMW50M	CDR50M	CDK50M	7,84

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.



ERICKSON



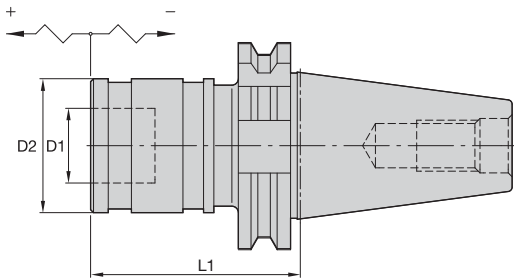
■ ST-DV Form B/AD

order number	catalog number	DCB	G	D2	D21	L1	L2	L21	kg
4067827	DV50BST12087M	12,5	M12	21	24	87	10	62	2,77
4067828	DV50BST12137M	12,5	M12	21	31	137	10	112	3,05
4067829	DV50BST12187M	12,5	M12	21	39	187	10	162	3,50
4067830	DV50BST16087M	17,0	M16	29	34	87	10	62	2,96
4067831	DV50BST16137M	17,0	M16	29	39	137	10	112	3,38
4067832	DV50BST16187M	17,0	M16	29	39	187	10	162	3,71
4067863	DV50BST16237M	17,0	M16	29	49	237	10	212	4,62

NOTE: For retention knobs, see page L45.
For technical information, see page M96–M97.

DV50 Shank Tools

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



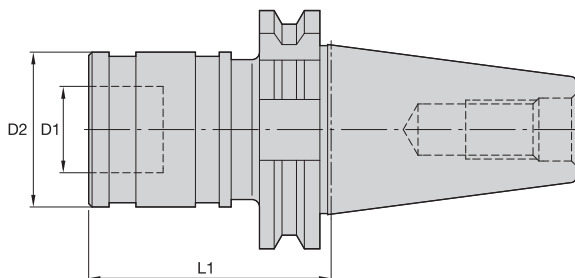
ERICKSON™

RC-DV Form A

order number	catalog number	adapter size	tap size		D1	D2	L1	tension	compression	kg
			mm	in						
1777453	DV50RC1075M	1	M1 - M14	#0 - 9/16	19	36	75	7,5	7,5	2,90
1777455	DV50RC2084M	2	M5 - M24	5/16 - 7/8	31	53	85	12,5	12,5	3,70
1777540	DV50RC3139M	3	M14 - M27	13/16 - 1 3/8	48	78	139	20,0	20,0	4,50

NOTE: Quick-change tap adapters are available and must be ordered separately; see page M76.

For retention knobs, see page L45.



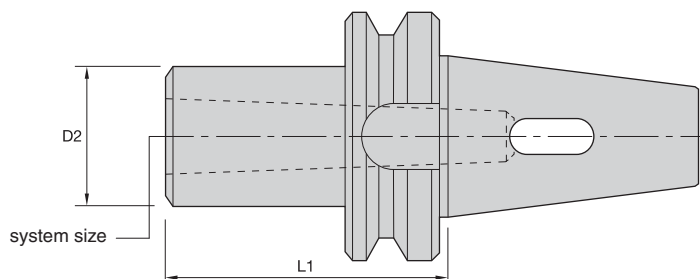
ERICKSON

■ STRC-DV Form AD

order number	catalog number	adapter size	tap size		D1	D2	L1	kg
			mm	in				
1778243	DV50STRC1074M	1	M1 - M14	#0 - 9/16	19	36	74	3,60
1778244	DV50STRC2089M	2	M5 - M24	5/16 - 7/8	31	53	89	3,80

NOTE: Quick-change tap adapters are available and must be ordered separately; see page M76.
For retention knobs, see page L45.

DV50 Shank Tools



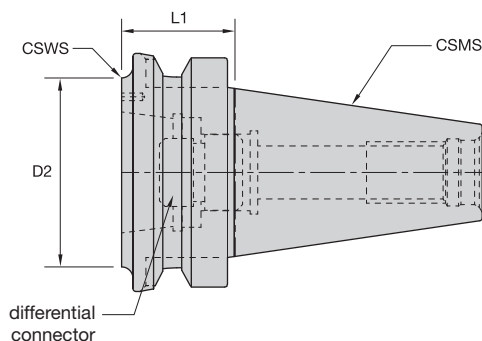
ERICKSON

■ MT-DV Form A

order number	catalog number	system size	D2	L1	kg
1191989	DV50MT5105M	5	69,9	105	3,75

NOTE: For retention knobs; see page L45.

- Differential connector included.



■ DV to KR DIN 69871 AD/B • Metric



order number	catalog number	CSMS system size	CSWS system size	D2	L1	differential connector	kg	reference head
1528328	DV50BKR32041M	DV50	KR32	50	41	KRDCKR32M	2,80	SVS00B,0B,1B,2B,3B,SVUBB1,BB2
1191971	DV50BKR50040M	DV50	KR50	65	40	KRDCKR50M	2,80	SVS4B,5B,SVU65,SVUBB2
1264135	DV50BKR63060M	DV50	KR63	85	60	KRDCKR63M	3,30	SVS6B,7B,8B
1264136	DV50BKR80070M	DV50	KR80	95	70	KRDCKR80M	4,10	SVU92,120

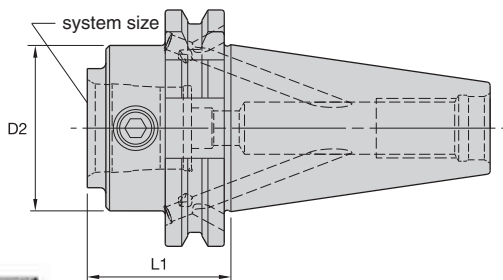
■ DV to KR DIN 69871 AD/B • Inch



order number	catalog number	CSMS system size	CSWS system size	D2	L1	differential connector	lbs	reference head
1528328	DV50BKR32041M	DV50	KR32	1.96	1.614	KRDCKR32M	6.16	SVS00B,0B,1B,2B,3B,SVUBB1,BB2
1191971	DV50BKR50040M	DV50	KR50	2.56	1.575	KRDCKR50M	6.16	SVS4B,5B,SVU65,SVUBB2
1264135	DV50BKR63060M	DV50	KR63	3.34	2.362	KRDCKR63M	7.26	SVS6B,7B,8B
1264136	DV50BKR80070M	DV50	KR80	3.73	2.756	KRDCKR80M	9.02	SVU92,120

NOTE: For Romicon boring systems, see the Kennametal Innovations Master Catalog Cutting Tools 2013.

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



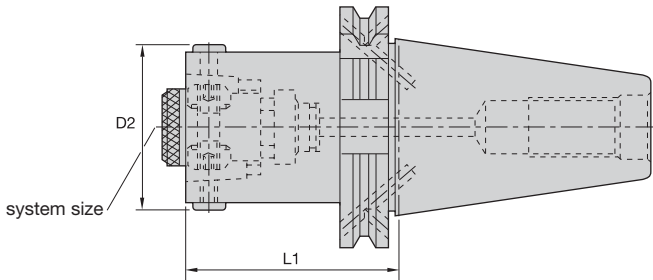
■ KM-DV Form B/AD



order number	catalog number	system size	D2	L1	KM spare parts package	wrench size actuation screw	Nm	kg
1974741	DV50BKM32040M	KM32	32	40,0	KM32PKG3S	5mm	8-11	2,64
1974742	DV50BKM32090M	KM32	32	90,0	KM32PKG3S	5mm	8-11	2,91
1974813	DV50BKM40040M	KM40	40	40,0	KM40PKG3L	6mm	12-16	3,00
1974814	DV50BKM40100M	KM40	40	100,0	KM40PKG3S	6mm	12-16	3,18
1974815	DV50BKM50060M	KM50	50	60,0	KM50PKG3S	10mm	27-34	2,99
1974816	DV50BKM50120M	KM50	50	120,0	KM50PKG3S	10mm	27-34	3,79
1974817	DV50BKM63060M	KM63	63	60,0	KM63PKG3S	12mm	47-54	3,18
1974818	DV50BKM63140M	KM63	63	140,0	KM63PKG3S	12mm	47-54	4,95
1974819	DV50BKM80080M	KM80	80	80,0	KM80PKG3S	14mm	79-85	4,23

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



ERICKSON

■ **HSK-DV Form B/AD**

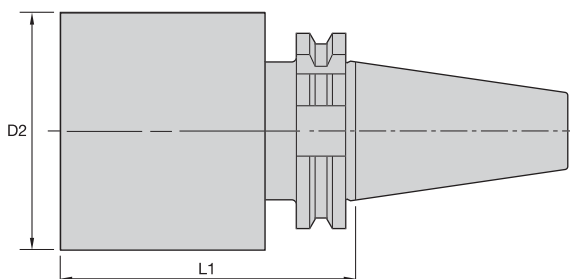
order number	catalog number	system size	D2	L1	wrench size actuation screw	Nm	kg
1519669	DV50BHSK32055M	HSK32	37	55	3mm	6	2,70
1519670	DV50BHSK40060M	HSK40	45	60	3mm	8	2,80
1124343	DV50BHSK50065M	HSK50	55	65	4mm	15	2,90
1126202	DV50BHSK63075M	HSK63	70	75	5mm	20	3,10

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

DV50 Shank Tools

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

- Machinable front 20–30 RW C.



ERICKSON

■ BB-DV Form A

order number	catalog number	D2	L1	kg
1264076	DV50BB104350M	104	350	24,08
1123987	DV50BB134250M	134	250	26,86

NOTE: For retention knobs, see page L45.