

**Precision Collet Chuck**  
**ADVANCES 2015**

**WIDIA** ™

# Precision Collet Chuck

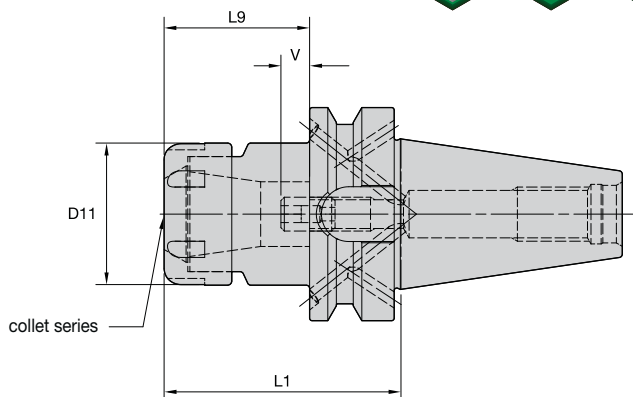
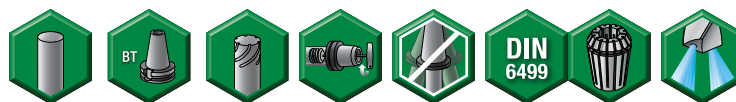
High precision collet chuck system enables customers to use either standard ER collets or unique Precision Collets for both universal and high-accuracy machining requirements.

## Advantages of Precision Collet Chucks

- Using unique Precision Collet, high runout accuracy: 0,003mm at 3 x D can be achieved.
- All standard ER collets can also be used.
- Reduced vibration due to optimized longer geometry of Precision Collets.
- Unique Precision Collets are sealed-by-design for through coolant operation.
- **SAFE-LOCK™** by HAIMER® anti-pullout feature available.
- Fine-balanced to G2.5 @ 25,000 RPM.



- Grip (2:1 advantage).



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

**ERICKSON™**

■ ER Round • BT Form A • BT30

order number	catalog number	D11	L1	L9	V	kg
5562262	BT30PER16055M	28	55	33	11	0,45
5562059	BT30PER16080M	28	80	33	11	0,60
5562263	BT30PER25055M	42	55	34	10	0,47
5562260	BT30PER25080M	42	80	34	10	0,73
5562264	BT30PER32055M	50	55	34	10	0,43
5562261	BT30PER32080M	50	80	34	10	0,69

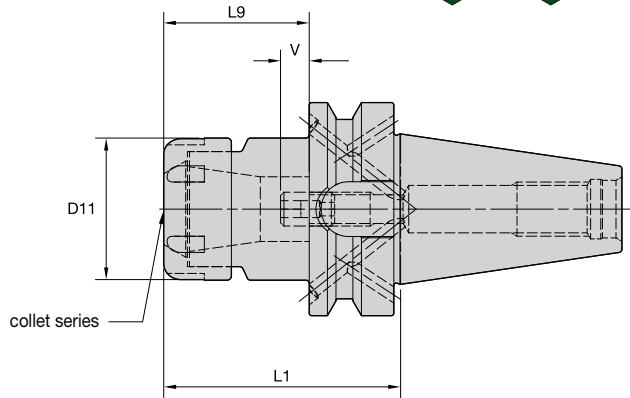
■ Spare Parts



catalog number	locknut	wrench	torque wrench	torque wrench insert	max recommended torque (Nm)	stop screw	stop screw	stop screw	wrench size stop screw
BT30PER16055M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
BT30PER16080M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
BT30PER25055M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
BT30PER25080M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
BT30PER32055M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
BT30PER32080M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

*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 K74 of the WIDIA Tooling Systems Master Catalog.  
Supplied with locknut.  
Locknut wrench must be ordered separately.  
ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.  
For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.  
Precision collets available with and without SAFE-LOCK; see pages 21–22.  
Stop screw must be ordered separately to achieve L9 dimension listed on table.  
If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.*

- Grip (2:1 advantage).



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

**ERICKSON**

- ER Round • BT Form B/AD • BT40

order number	catalog number	D11	L1	L9	V	kg
5562265	BT40BPER16070M	28	70	33	11	1,08
5562268	BT40BPER16100M	28	100	33	11	1,39
5562281	BT40BPER16160M	28	160	33	11	2,00
5562266	BT40BPER25070M	42	70	34	10	1,15
5562269	BT40BPER25100M	42	100	34	10	1,57
5562282	BT40BPER25160M	42	160	—	10	2,41
5562267	BT40BPER32070M	50	70	34	10	1,14
5562280	BT40BPER32100M	50	100	34	10	1,58
5562283	BT40BPER32160M	50	160	34	10	2,43

(continued)

(ER Round • BT Form B/AD • BT40 — continued)

■ Spare Parts

catalog number	locknut	wrench	torque wrench	torque wrench insert	max recommended torque (Nm)	stop screw	stop screw	stop screw	wrench size stop screw
BT40BPER16070M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
BT40BPER16100M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
BT40BPER16160M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
BT40BPER25070M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
BT40BPER25100M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
BT40BPER25160M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	—
BT40BPER32070M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
BT40BPER32100M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
BT40BPER32160M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

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 K74 of the WIDIA Tooling Systems Master Catalog.

Supplied with locknut.

Locknut wrench must be ordered separately.

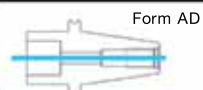








ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.

For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.

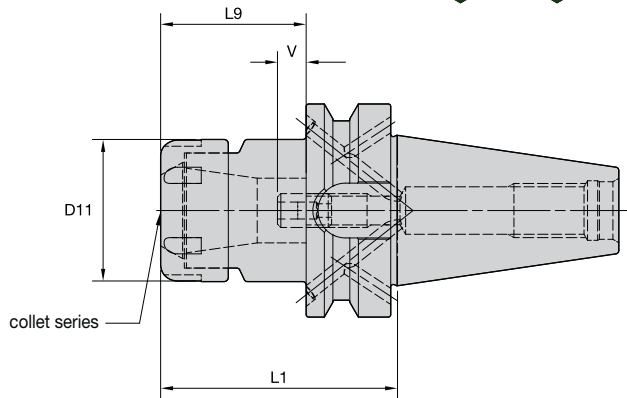
Precision collets available with and without SAFE-LOCK; see pages 21–22.

Stop screw must be ordered separately to achieve L9 dimension listed on table.

If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.

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

- Grip (2:1 advantage).



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

**ERICKSON**

■ ER Round • BT Form B/AD • BT50

order number	catalog number	D11	L1	L9	V	kg
5562284	BT50BPER16100M	28	100	33	11	4,02
5562287	BT50BPER16160M	28	160	33	11	5,57
5562285	BT50BPER25100M	42	100	34	10	4,18
5562288	BT50BPER25160M	42	160	34	10	5,97
5562286	BT50BPER32100M	50	100	34	10	4,23
5562289	BT50BPER32160M	50	160	34	10	6,14

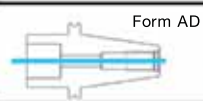





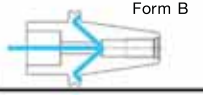


(continued)

(ER Round • BT Form B/AD • BT50 — continued)

■ Spare Parts

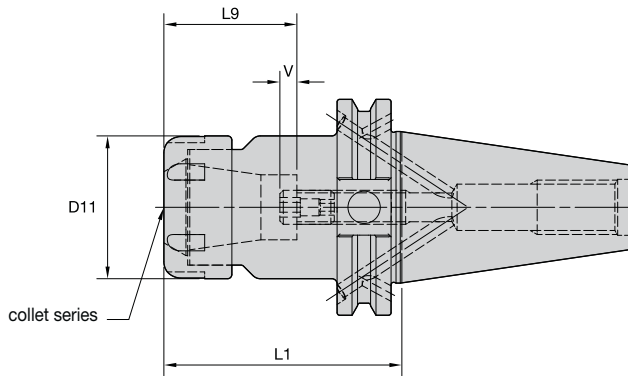
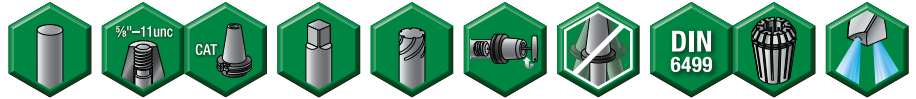
catalog number	locknut	wrench	torque wrench	torque wrench insert	max recommended torque (Nm)	stop screw	stop screw	stop screw	wrench size stop screw
BT50BPER16100M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
BT50BPER16160M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
BT50BPER25100M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
BT50BPER25160M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
BT50BPER32100M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
BT50BPER32160M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

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 K74 of the WIDIA Tooling Systems Master Catalog.  
Supplied with locknut.  
Locknut wrench must be ordered separately.  
ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.  
For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.  
Precision collets available with and without SAFE-LOCK; see pages 21–22 .  
Stop screw must be ordered separately to achieve L9 dimension listed on table.  
If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.

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



- Grip (2:1 advantage).



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

**ERICKSON**

■ ER Round • CV Form B/AD • CV40

order number	catalog number	D11	L1	L9	V	kg
5552041	CV40BPER16070M	28	70	33	11	0,95
5552044	CV40BPER16100M	28	100	33	11	1,03
5552047	CV40BPER16160M	28	160	33	11	1,90
5552042	CV40BPER25070M	42	70	34	10	1,04
5552048	CV40BPER25160M	42	160	34	10	2,40
5552043	CV40BPER32070M	50	70	34	10	1,20
5552046	CV40BPER32100M	50	100	34	10	1,60
5552049	CV40BPER32160M	50	160	34	10	2,40

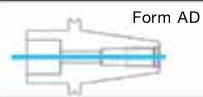





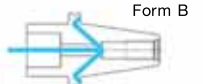


(continued)

(ER Round • CV Form B/AD • CV40 — continued)

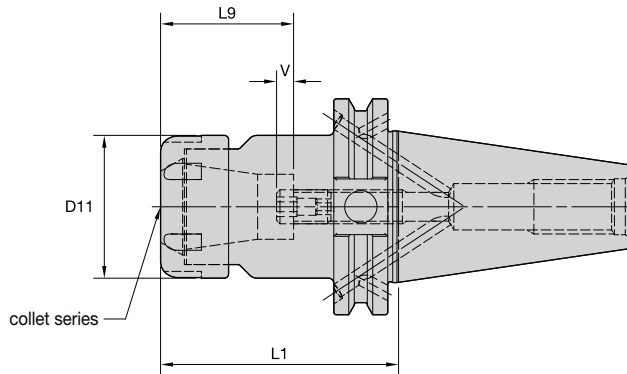
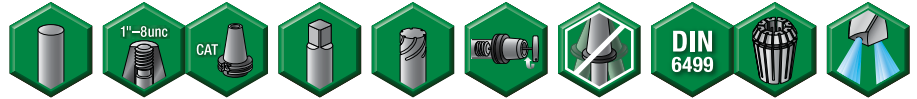
■ Spare Parts

catalog number	locknut	wrench	torque wrench	torque wrench insert	max recommended torque (Nm)	stop screw	stop screw	stop screw	wrench size stop screw
CV40BPER16070M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
CV40BPER16100M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
CV40BPER16160M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
CV40BPER25070M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
CV40BPER25160M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
CV40BPER32070M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
CV40BPER32100M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
CV40BPER32160M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

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 K74 of the WIDIA Tooling Systems Master Catalog.  
Supplied with locknut.  
Locknut wrench must be ordered separately.  
ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.  
For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.  
Precision collets available with and without SAFE-LOCK; see pages 21–22 .  
Stop screw must be ordered separately to achieve L9 dimension listed on table.  
If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.

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

- Grip (2:1 advantage).



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

**ERICKSON**

■ ER Round • CV Form B/AD • CV50

order number	catalog number	D11	L1	L9	V	kg
5552070	CV50BPER16070M	28	70	33	11	2,83
5552073	CV50BPER16100M	28	100	33	11	3,38
5552076	CV50BPER16160M	28	160	33	11	4,34
5552071	CV50BPER25070M	42	70	34	10	2,93
5552077	CV50BPER25160M	42	160	34	10	4,81
5552075	CV50BPER32100M	50	100	34	10	3,66
5552078	CV50BPER32160M	50	160	34	10	5,00

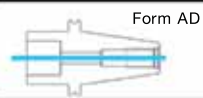




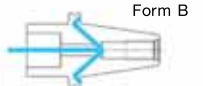


(continued)

(ER Round • CV Form B/AD • CV50 — continued)

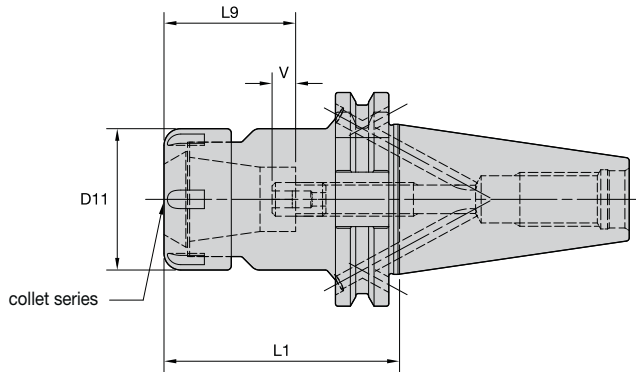
■ Spare Parts

catalog number	locknut	wrench	torque wrench	torque wrench insert	max recommended torque (Nm)	stop screw	stop screw	stop screw	wrench size stop screw
CV50BPER16070M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
CV50BPER16100M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
CV50BPER16160M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
CV50BPER25070M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
CV50BPER25160M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
CV50BPER32100M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
CV50BPER32160M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

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 K74 of the WIDIA Tooling Systems Master Catalog.  
Supplied with locknut.  
Locknut wrench must be ordered separately.  
ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.  
For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.  
Precision collets available with and without SAFE-LOCK; see pages 21–22 .  
Stop screw must be ordered separately to achieve L9 dimension listed on table.  
If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.

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

- 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 Round • DV Form B/AD • DV40

order number	catalog number	D11	L1	L9	V	kg
5561753	DV40BPER16070M	28	70	33	11	0,95
5561756	DV40BPER16100M	28	100	33	11	1,04
5561759	DV40BPER16160M	28	160	33	11	1,33
5561754	DV40BPER25070M	42	70	34	10	1,04
5561757	DV40BPER25100M	42	100	34	10	1,34
5561810	DV40BPER25160M	42	160	34	10	1,95
5561755	DV40BPER32070M	50	70	34	10	1,04
5561758	DV40BPER32100M	50	100	34	10	1,60
5561811	DV40BPER32160M	50	160	34	10	2,23

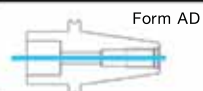








(continued)

(ER Round • DV Form B/AD • DV40 — continued)

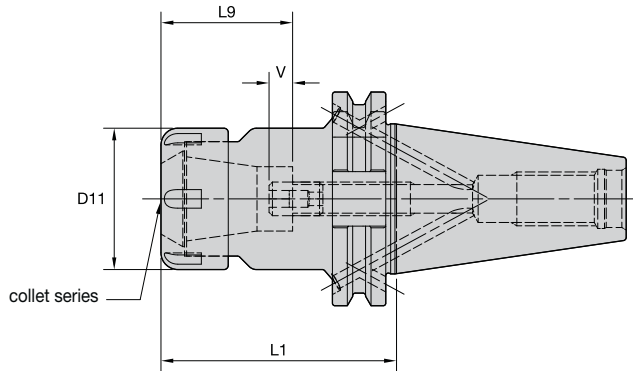
■ Spare Parts

catalog number	locknut	wrench	torque wrench	torque wrench insert	max recommended torque (Nm)	stop screw	stop screw	stop screw	wrench size stop screw
DV40BPER16070M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
DV40BPER16100M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
DV40BPER16160M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
DV40BPER25070M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
DV40BPER25100M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
DV40BPER25160M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
DV40BPER32070M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
DV40BPER32100M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
DV40BPER32160M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

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 K74 of the WIDIA Tooling Systems Master Catalog.  
Supplied with locknut.  
Locknut wrench must be ordered separately.  
ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.  
For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.  
Precision collets available with and without SAFE-LOCK; see pages 21–22 .  
Stop screw must be ordered separately to achieve L9 dimension listed on table.  
If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.

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

- 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 Round • DV Form B/AD • DV50

order number	catalog number	D11	L1	L9	V	kg
5561812	DV50BPER16070M	28	70	33	11	2,81
5561815	DV50BPER16100M	28	100	—	11	3,40
5561818	DV50BPER16160M	28	160	33	11	4,38
5561813	DV50BPER25070M	42	70	34	10	2,93
5561816	DV50BPER25100M	42	100	34	10	3,61
5561819	DV50PER25160M	42	160	34	10	4,84
5561814	DV50BPER32070M	50	70	34	10	2,95
5561817	DV50BPER32100M	50	100	34	10	3,68
5561820	DV50BPER32160M	50	160	34	10	5,05

(continued)

(ER Round • DV Form B/AD • DV50 — continued)

■ Spare Parts

catalog number	locknut	wrench	torque wrench	torque wrench insert	max recommended torque (Nm)	stop screw	stop screw	stop screw	wrench size stop screw
DV50BPER16070M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
DV50BPER16100M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	—
DV50BPER16160M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
DV50BPER25070M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
DV50BPER25100M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
DV50BPER25160M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
DV50BPER32070M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
DV50BPER32100M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
DV50BPER32160M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

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 K74 of the WIDIA Tooling Systems Master Catalog.

Supplied with locknut.

Locknut wrench must be ordered separately.

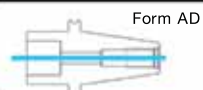







ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.

For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.

Precision collets available with and without SAFE-LOCK; see pages 21–22.

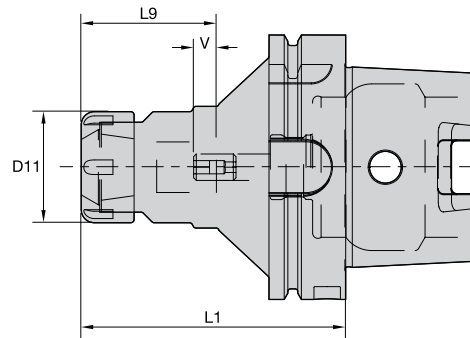
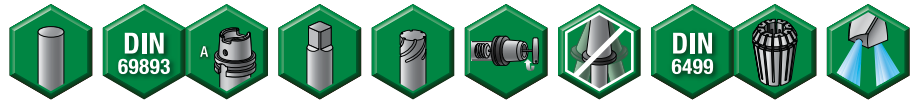
Stop screw must be ordered separately to achieve L9 dimension listed on table.

If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.

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



- Grip (2:1 advantage).



Collet Capacity

ER collet series	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

**ERICKSON™**

- ER Round • HSK Form A • HSK63A

order number	catalog number	D11	L1	L9	V	kg
5561088	HSK63APER16075M	28	75	40	—	0,77
5561082	HSK63APER16100M	28	100	33	11	0,92
5561085	HSK63APER16160M	28	160	—	11	1,24
5561089	HSK63APER25075M	42	75	50	—	0,89
5561083	HSK63APER25100M	42	100	34	10	1,17
5561086	HSK63APER25160M	42	160	34	10	1,82
5561130	HSK63APER32075M	50	75	48	—	0,93
5561084	HSK63APER32100M	50	100	34	10	1,26
5561087	HSK63APER32160M	50	160	34	10	2,10

(continued)

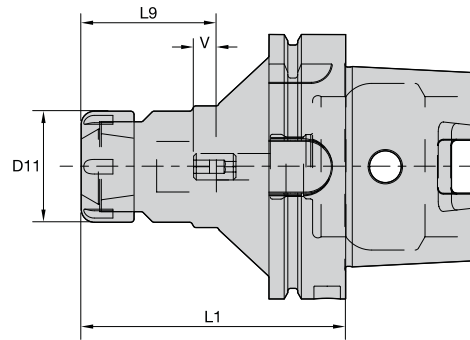
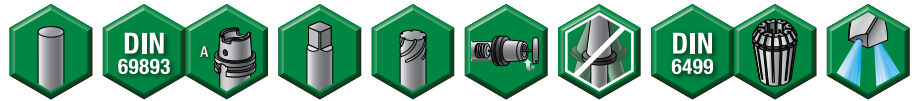
(ER Round • HSK Form A • HSK63A — continued)

■ Spare Parts

catalog number	locknut	wrench	torque wrench	torque wrench insert	max recommended torque (Nm)	stop screw	stop screw	stop screw	wrench size stop screw
HSK63APER16075M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	—	—	—	—
HSK63APER16100M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
HSK63APER16160M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	—
HSK63APER25075M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	—	—	—	—
HSK63APER25100M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
HSK63APER25160M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
HSK63APER32075M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	—	—	—	—
HSK63APER32100M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
HSK63APER32160M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

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 K74 of the WIDIA Tooling Systems Master Catalog.  
 Supplied with locknut.  
 Locknut wrench must be ordered separately.  
 ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.  
 For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.  
 Precision collets available with and without SAFE-LOCK; see pages 21–22 .  
 Stop screw must be ordered separately to achieve L9 dimension listed on table.  
 If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.

- Grip (2:1 advantage).



Collet Capacity

ER collet series	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

**ERICKSON™**

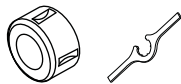


■ ER Round • HSK Form A • HSK100A

order number	catalog number	D11	L1	L9	V	kg
5561137	HSK100APER16085M	28	85	—	11	2,28
5561131	HSK100APER16100M	28	100	33	11	2,60
5561134	HSK100APER16160M	28	160	33	11	4,10
5561138	HSK100APER25085M	42	85	51	—	2,48
5561132	HSK100APER25100M	42	100	34	10	2,80
5561135	HSK100APER25160M	42	160	34	10	4,53
5561139	HSK100APER32085M	50	85	55	—	2,46
5561133	HSK100APER32100M	50	100	34	10	2,88
5561136	HSK100APER32160M	50	160	34	10	4,72

(continued)

(ER Round • HSK Form A • HSK100A — continued)

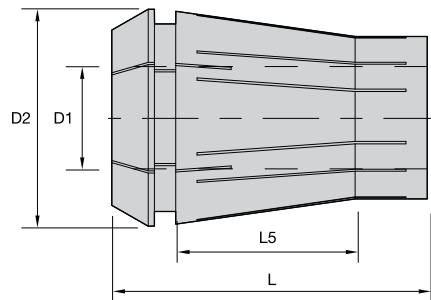
■ Spare Parts

catalog number					max recommended torque (Nm)				wrench size stop screw
	locknut	wrench	torque wrench	torque wrench insert		stop screw	stop screw	stop screw	
HSK100APER16085M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	—
HSK100APER16100M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
HSK100APER16160M	LNPER16	PER16WDH	TWTM	TWTMINSERTPER16	55	BSER16M816	BSER16M824	—	3mm & 4mm
HSK100APER25085M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	—	—	—	—
HSK100APER25100M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
HSK100APER25160M	LNPER25	PER25WDH	TWTM	TWTMINSERTPER25	94	BSER25M1216	BSER25M1220	BSER25M1234	3mm & 4mm
HSK100APER32085M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	—	—	—	—
HSK100APER32100M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm
HSK100APER32160M	LNPER32	PER32WDH	TWTM	TWTMINSERTPER32	132	BSER32M1618	BSER32M1622	BSER32M1634	3mm & 4mm

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 K74 of the WIDIA Tooling Systems Master Catalog.  
 Supplied with locknut.  
 Locknut wrench must be ordered separately.  
 ER standard straight-bore collets, see page I54 of the WIDIA Tooling Systems Master Catalog.  
 For retention knobs, see page J33 of the WIDIA Tooling Systems Master Catalog.  
 Precision collets available with and without Safe-lock; see pages 21–22 .  
 Stop screw must be ordered separately to achieve L9 dimension listed on table.  
 If precision chuck is used with standard ER collet, the L1 dimension will change based on the collet used.



- Available in both metric and inch sizes.



**ERICKSON**

■ ER Collets • Single-Angle • Metric

ER collet – metric	D1	D2	L	L5
16PER003M	3,0	16,5	30,0	13,9
16PER005M	5,0	16,5	30,0	13,9
16PER006M	6,0	16,5	30,0	13,9
16PER008M	8,0	16,5	30,0	13,9
25PER002M	2,0	25,5	37,0	21,0
25PER003M	3,0	25,5	37,0	21,0
25PER004M	4,0	25,5	37,0	21,0
25PER005M	5,0	25,5	37,0	21,0
25PER006M	6,0	25,5	37,0	21,0
25PER008M	8,0	25,5	37,0	21,0
25PER010M	10,0	25,5	37,0	21,0
25PER012M	12,0	25,5	37,0	21,0
25PER014M	14,0	25,5	37,0	21,0
25PER016M	16,0	25,5	37,0	21,0
32PER003M	3,0	32,5	45,0	24,9
32PER004M	4,0	32,5	45,0	24,9
32PER006M	6,0	32,5	45,0	24,9
32PER008M	8,0	32,5	45,0	24,9
32PER010M	10,0	32,5	45,0	24,9
32PER012M	12,0	32,5	45,0	24,9
32PER014M	14,0	32,5	45,0	24,9
32PER016M	16,0	32,5	45,0	24,9
32PER018M	18,0	32,5	45,0	24,9
32PER020M	20,0	32,5	45,0	24,9

(continued)

(ER Collets • Single-Angle – continued)

## ■ ER Collets • Single-Angle • Inch

ER collet – inch	D1	D2	L	L5
16PER0125	1/8	.65	1.18	.55
16PER0188	3/16	.65	1.18	.55
16PER0250	1/4	.65	1.18	.55
16PER0313	5/16	.65	1.18	.55
16PER0375	3/8	.65	1.18	.55
25PER0125	1/2	1.00	1.46	.83
25PER0188	3/16	1.00	1.46	.83
25PER0250	1/4	1.00	1.46	.83
25PER0313	5/16	1.00	1.46	.83
25PER0375	3/8	1.00	1.46	.83
25PER0438	7/16	1.00	1.46	.83
25PER0500	1/2	1.00	1.46	.83
25PER0625	5/8	1.00	1.46	.83
32PER0125	1/8	1.28	1.77	.98
32PER0188	3/16	1.28	1.77	.98
32PER0250	1/4	1.28	1.77	.98
32PER0313	5/16	1.28	1.77	.98
32PER0375	3/8	1.28	1.77	.98
32PER0500	1/2	1.28	1.77	.98
32PER0563	9/16	1.28	1.77	.98
32PER0625	5/8	1.28	1.77	.98
32PER0750	3/4	1.28	1.77	.98

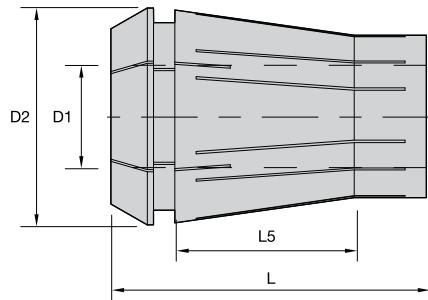
NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.

Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions.

Never try to stretch the collets by clamping oversized cutting tools.

- Available in both metric and inch sizes.



**ERICKSON™**

■ ER Collets • Single-Angle with SAFE-λOCK • Metric

ER collet – metric	D1	D2	L	L5
25PERSL012M	12,0	25,5	37,0	21,0
25PERSL014M	14,0	25,5	37,0	21,0
25PERSL016M	16,0	25,5	37,0	21,0
32PERSL012M	12,0	32,5	45,0	24,9
32PERSL014M	14,0	32,5	45,0	24,9
32PERSL016M	16,0	32,5	45,0	24,9
32PERSL018M	18,0	32,5	45,0	24,9
32PERSL020M	20,0	32,5	45,0	24,9

■ ER Collets • Single-Angle with SAFE-λOCK • Inch

ER collet – inch	D1	D2	L	L5
25PERSL0500	—	1.00	1.46	.83
25PERSL0625	—	1.00	1.46	.83
32PERSL0500	1/2	1.28	1.77	.98
32PERSL0750	3/4	1.28	1.77	.98

*NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.  
Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.  
Collet accuracies are based on size-for-size conditions.  
Never try to stretch the collets by clamping oversized cutting tools.*

# Precision Collet Chuck

## ADVANCES 2015

### World and Corporate Headquarters

Kennametal Inc.  
WIDIA Products Group  
1600 Technology Way  
Latrobe, PA 15650 USA  
Phone: 800 446 7738 (United States and Canada)  
E-mail: [w-na.service@widia.com](mailto:w-na.service@widia.com)

### Asia-Pacific Headquarters

Kennametal Singapore Pte. Ltd.  
WIDIA Products Group  
3A International Business Park  
Unit #01-02/03/05, ICON@BP  
Singapore 609935  
Phone: +65 6265 9222  
E-mail: [w-sg.service@widia.com](mailto:w-sg.service@widia.com)

### European Headquarters

Kennametal Europe GmbH  
WIDIA Products Group  
Rheingoldstrasse 50  
CH 8212 Neuhausen am Rheinfall  
Switzerland  
Phone: +41 52 6750 100  
E-mail: [w-ch.service@widia.com](mailto:w-ch.service@widia.com)

### India Headquarters

Kennametal India Limited  
WIDIA Products Group  
CIN: L27109KA1964PLC001546  
8/9th Mile, Tumkur Road  
Bangalore - 560 073  
Phone: +91 080 22198444 or +91 080 43281444  
E-mail: [w-in.service@widia.com](mailto:w-in.service@widia.com)

©2014 Kennametal Inc. All rights reserved. A-14-03923EN\_in



[WWW.WIDIA.COM](http://WWW.WIDIA.COM)