

Promo Mexico

Milling Accessories

Quality,
Speed, &
Performance



yortega@doriantool.com

52 55 7045 3707

D **DORIAN**
INTERNATIONAL
TOOL



.0001" Taper-Bore Runout Tolerance
Means more cutting tool life and better surface finish

Made of 8620 Alloy Steel with Case Hardness of 56-60 HRC and Core Hardness of 36-40 HRC

Translates into durability and rigidity

Tapers Ground to AT-3 Specifications or BETTER

Ensures precise fit with max contact surface area with machine spindle. Translates into more cutting tool life and better surface finish.

H5 Bore Tolerance for air-tight fit provides maximum contact surface area

Provides a very close tolerance fit with minimum runout between the tool holder's bore and the cutting tool. Translates into more cutting tool life and better surface finish.

Thru Coolant Feature

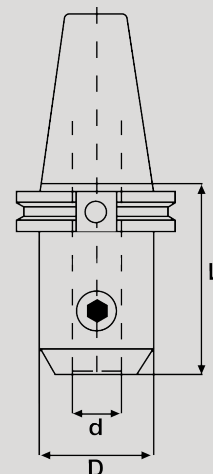
Thru Hole of the toolholder allows the use of Thru Coolant Tools when used with a Thru Coolant retention knob

Made In Italy

**Up to 43%
off!**

**Precision Balanced to
12,000 RPM**

UPC#	Description	Hole Dia. (d) (in)	Gage Length (L) (in)	Body Dia (D) (in)	List Price	Promo
45011-M19	CAT40 EMH-0250-2500	1/4	2.50	.88	\$119.54	\$73.33
45017-M19	CAT40 EMH-0375-2500	3/8	2.50	1.00	\$119.54	\$73.33
45023-M19	CAT40-EMH-0500-2500	1/2	2.50	1.25	\$119.54	\$73.33
45026-M19	CAT40 EMH-0625-1750	5/8	1.75	1.75	\$119.54	\$73.33
45027-M19	CAT40 EMH-0625-3000	5/8	3.00	1.50	\$119.54	\$73.33
45030-M19	CAT40 EMH-0750-1750	3/4	1.75	1.75	\$119.54	\$73.33
45031-M19	CAT40 EMH-0750-3000	3/4	3.00	1.75	\$119.54	\$73.33
45037-M19	CAT40 EMH-1000-2000	1	2.00	1.75	\$124.86	\$73.33
45038-M19	CAT40 EMH-1000-4000	1	4.00	2.00	\$139.87	\$86.67
45069-M19	CAT50 EMH-0500-4000	1/2	4.00	1.25	\$218.50	\$134.67
45079-M19	CAT50 EMH-0750-4000	3/4	4.00	1.75	\$218.50	\$134.67
45080-M19	CAT50 EMH-0750-6000	3/4	6.00	1.75	\$265.65	\$164.00
45086-M19	CAT50 EMH-1000-4000	1	4.00	2.00	\$229.13	\$141.33
45087-M19	CAT50 EMH-1000-6000	1	6.00	2.00	\$298.86	\$185.33
45090-M19	CAT50 EMH-1250-4000	1 1/4	4.00	2.50	\$265.65	\$164.00
45091-M19	CAT50 EMH-1250-6000	1 1/4	6.00	2.50	\$318.78	\$197.33
45094-M19	CAT50 EMH-1500-4500	1 1/2	4.50	2.75	\$278.93	\$172.00
45095-M19	CAT50 EMH-1500-7000	1 1/2	7.0	2.75	\$318.78	\$197.33



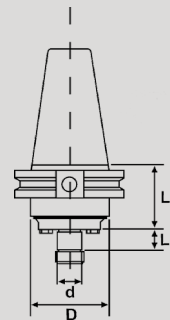
SHELL MILL HOLDERS

.0002" Taper-Arbor Runout Tolerance
Means more cutting tool life and better surface finish.

**Made of 8620 Alloy Steel with Case Hardness of 56-60 HRC and
Core Hardness of 36-40 HRC**
Translates into durability and rigidity.

Tapers Ground to AT-3 Specifications or BETTER
Ensures precise fit with max contact surface area with machine spindle. Translates into
more cutting tool life and better surface finish.

H5 Arbor Tolerance
Provides a very close tolerance fit with minimum runout between the tool holder's arbor
and the cutting tool. Translates into more cutting tool life and better surface finish.



**Up to 43%
off!**

**Precision Balanced to
12,000 RPM**

Made In Italy

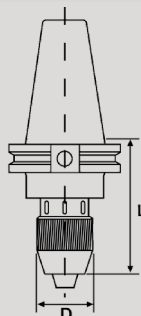
UPC#	Description	Arbor Dia. (d) (in)	Arbor Length (L1) (in)	Gage Length (L) (in)	Body Dia (D) (in)	Arbor Thread (AT)(in)	Key Size (in)	List Price	Promo
45121-M19	CAT40 SMH-0750-1750	3/4	.67	1.75	1.75	3/8-24	5/16	\$152.75	\$94.67
45123-M19	CAT40 SMH-1000-1750	1	.67	1.75	2.25	1/2-20	3/8	\$152.75	\$94.67
45125-M19	CAT40 SMH-1250-2000	1-1/4	.67	2.00	2.88	5/8-18	1/2	\$162.71	\$100.00
45127-M19	CAT40 SMH-1500-2000	1-1/2	.93	2.00	3.75	3/4-16	5/8	\$172.67	\$106.67
45138-M19	CAT50 SMH-0750-1750	3/4	.68	1.75	2.75	3/8-24	5/16	\$205.88	\$126.67
45142-M19	CAT50 SMH-1000-1750	1	.68	1.75	2.75	1/2-20	3/8	\$205.88	\$126.67
45146-M19	CAT50 SMH-1250-1750	1-1/4	.68	1.75	2.75	5/8-18	1/2	\$215.18	\$133.33
45150-M19	CAT50 SMH-1500-2000	1-1/2	.94	2.00	3.75	3/4-16	5/8	\$229.79	\$142.67
45154-M19	CAT50 SMH-2000-2000	2	.94	2.00	4.88	1-14	5/8	\$318.78	\$197.33

INTEGRAL KEYLESS DRILL CHUCK HOLDERS

UPC#	Description	Tool Capacity	Gage Length (L) (in)	Body Dia. (D) (in)	List Price	Promo
45307-M19	CAT40-KDCH-13	1/32-1/2	3.50	2.00	\$326.70	\$193.33
45308-M19	CAT40-KDCH-16	1/8-5/8	4.50	2.25	\$368.28	\$218.67

Provides exceptionally high torque,
up to three times the gripping strength
of conventional drill chucks.

Replaceable chuck.

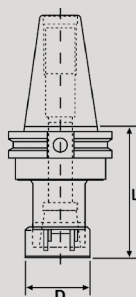


Features a corrosion-resistant surface
treatment to ensure durability.

Chuck will not come off during
operation.



ER COLLET HOLDERS



.0001" Taper-Bore Runout Tolerance
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Core Hardness of 36-40 HRC.**
Translates into durability and rigidity

Tapers Ground to AT-3 Specifications or BETTER
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Translates into more cutting tool life and better surface finish.

Thru Coolant Feature
Thru Hole of the toolholder allows the use of Thru Coolant Tools when used
with a Thru Coolant retention knob and sealed collet.

Made In Italy

Up to
43%
off!



**Precision Balanced
to 12,000 RPM**

UPC#	Description	Series	Tool Dia. Range	Nose Dia. (D) (in)	Gage Length (L) (in)	List Price	Promo
45173-M19	CAT40 ER11H-2500	ER11	.019-.275	0.63	2.50	\$136.62	\$84.00
45174-M19	CAT40 ER11H-4000	ER11	.019-.275	0.63	4.00	\$172.29	\$106.67
45175-M19	CAT40 ER11H-6000	ER11	.019-.275	0.63	6.00	\$267.93	\$165.33
45176-M19	CAT40 ER16H-2500	ER16	.019-.406	1.26	2.50	\$136.62	\$84.00
45178-M19	CAT40 ER16H-4000	ER16	.019-.406	1.26	4.00	\$172.29	\$106.67
45179-M19	CAT40 ER16H-6000	ER16	.019-.406	1.26	6.00	\$234.44	\$145.33
45180-M19	CAT40 ER20H-2500	ER20	.039-.511	1.38	2.50	\$136.62	\$84.00
45181-M19	CAT40 ER20H-4000	ER20	.039-.511	1.38	4.00	\$172.29	\$106.67
45182-M19	CAT40 ER20H-6000	ER20	.039-.511	1.38	6.00	\$234.44	\$145.33
45183-M19	CAT40 ER25H-2500	ER25	.039-.629	1.65	2.50	\$136.62	\$84.00
45184-M19	CAT40 ER25H-4000	ER25	.039-.629	1.65	4.00	\$172.29	\$106.67
45185-M19	CAT40 ER25H-6000	ER25	.039-.629	1.65	6.00	\$234.44	\$145.00
45186-M19	CAT40 ER32H-2500	ER32	.078-.787	1.97	2.50	\$153.70	\$94.67
45188-M19	CAT40 ER32H-4000	ER32	.078-.787	1.97	4.00	\$193.83	\$120.00
45189-M19	CAT40 ER32H-6000	ER32	.078-.787	1.97	6.00	\$234.44	\$145.33
45191-M19	CAT40 ER40H-2500	ER40	.118-1.023	2.48	2.50	\$169.07	\$104.00
45193-M19	CAT40 ER40H-4000	ER40	.118-1.023	2.48	4.00	\$215.56	\$133.33
45197-M19	CAT50 ER16H-4120	ER16	.019-.406	1.26	4.12	\$263.66	\$162.67
45205-M19	CAT50 ER25H-4000	ER25	.039-.629	1.65	4.00	\$263.66	\$162.67
45206-M19	CAT50 ER25H-6000	ER25	.039-.629	1.65	6.00	\$318.78	\$197.33
45208-M19	CAT50 ER32H-4000	ER32	.078-.787	1.97	4.00	\$263.66	\$162.67
45209-M19	CAT50 ER32H-6000	ER32	.078-.787	1.97	6.00	\$318.78	\$197.33
45210-M19	CAT50 ER32H-8000	ER32	.078-.787	1.97	8.00	\$365.27	\$225.33

ER Collet Nuts

UPC#	Description	Series	Thread	Height (in)	Body Dia. (in)	List Price	Promo
49773-M19	ER11NTM16	ER11	M13 x .75	.47	.63	\$30.36	\$18.67
49780-M19	ER16NTS32	ER16	M22 X 1.5	.67	1.26	\$30.36	\$18.67
49781-M19	ER20NTS35	ER20	M25 X 1.5	.75	1.38	\$30.36	\$18.67
49782-M19	ER25NTS42	ER25	M32 X 1.5	.79	1.65	\$30.36	\$18.67
49783-M19	ER32NTS50	ER32	M40 X 1.5	.89	1.97	\$30.36	\$18.67
49784-M19	ER40NTS63	ER40	M50 X 1.5	1.00	2.48	\$30.36	\$18.67

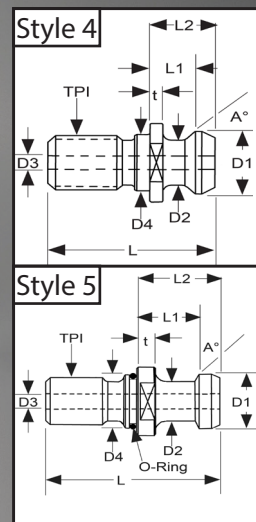
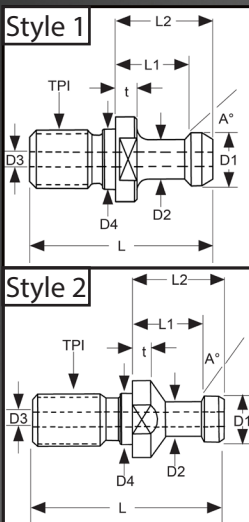
ER Collet Wrenches

UPC#	Description	Series	Wrench Type	List Price	Promo
49987-M19	ER11MNWR	ER11	ER Mini	\$41.75	\$25.33
49994-M19	ER16STWR	ER16	ER Standard	\$45.54	\$28.00
49995-M19	ER20STWR	ER20	ER Standard	\$45.54	\$28.00
49996-M19	ER25STWR	ER25	ER Standard	\$45.54	\$28.00
49997-M19	ER32STWR	ER32	ER Standard	\$45.54	\$28.00
49998-M19	ER40STWR	ER40	ER Standard	\$45.54	\$28.00

RETENTION KNOBS

Precision Ground

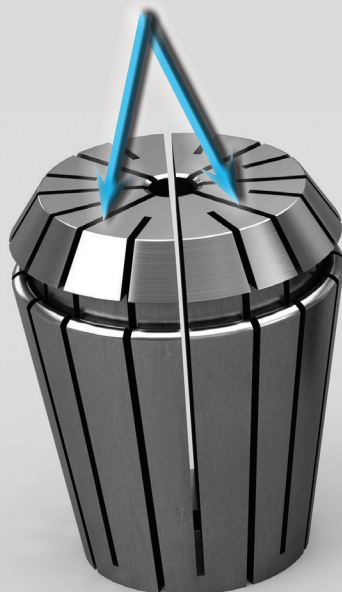
Up to
42%
off!



UPC #	CAT 40 Description	Machines Used on	Thru Coolant	Style	Threads TPI	A Angle	D1 Knob Dia.	D2 Neck Dia.	D3 Hole Dia.	D4 Pilot Dia.	L OAL	Shoulder			List Price	Promo
												L1	t	L2		
47287-M19	RKCT40-4-0004	Mazak, Fadal, DMG, Hurco	N/A	4	5/8-11	45°	0.740	0.490	NA	0.636	1.620	0.440	0.120	0.640	\$19.48	\$12.00
47286-M19	RKCT40-4-0003-C	Fadal, DMG, Hurco	Coolant	4	5/8-11	45°	0.740	0.490	0.281	0.636	1.620	0.440	0.120	0.640	\$19.48	\$12.00
47831-M19	RKCT40-1-0103	Mori Seiki, OKK, Kira	N/A	1	5/8-11	90°	0.589	0.392	NA	0.636	2.250	0.988	0.234	1.264	\$20.90	\$12.93
47305-M19	RKCT40-1-0022	Bridgeport, Leadwell	N/A	1	5/8-11	45°	0.589	0.392	NA	0.636	2.250	0.988	0.124	1.264	\$20.90	\$12.93
47304-M19	RKCT40-1-0021	Haas, Chevalier, Feeler, Fryer, Johnford	N/A	1	5/8-11	45°	0.589	0.392	NA	0.636	2.250	0.988	0.234	1.264	\$20.90	\$12.93
47313-M19	RKCT40-1-0030-C	Haas, Chevalier, Feeler, Fryer, Johnford	Coolant	1	5/8-11	45°	0.589	0.392	0.200	0.636	2.250	0.988	0.234	1.264	\$20.90	\$12.93
47386-M19	RKCT40-1-0121	Makino, Mitsubishi, Enshu, Hitachi, Kira, Okuma, Milltronics	N/A	1	5/8-11	60°	0.589	0.392	NA	0.636	2.250	0.988	0.234	1.264	\$20.90	\$12.93
47288-M19	RKCT40-4-0005-C	Mazak, Fadal, DMG, Hurco	Coolant	4	5/8-11	45°	0.740	0.490	0.280	0.641	1.620	0.440	0.120	0.640	\$19.48	\$12.00
47359-M19	RKCT40-5-0076-C	Makino	Coolant	5	5/8-11	15°	0.746	0.549	0.236	0.641	2.008	0.792	0.276	1.028	\$20.90	\$12.93
47387-M19	RKCT40-3-0122-C	Mori Seiki	Coolant	2	5/8-11	15°	0.747	0.548	0.236	0.641	2.004	0.787	0.157	1.024	\$20.90	\$12.93
47343-M19	RKCT40-2-0060-C	Kitamura, Doosan, Hyundai, Kia	Coolant	2	5/8-11	15°	0.747	0.549	0.281	0.641	2.004	0.787	0.157	1.024	\$20.90	\$12.93
UPC #	CAT 50 Description	Machines Used on	Thru Coolant	Style	Threads TPI	A Angle	D1 Knob Dia.	D2 Neck Dia.	D3 Hole Dia.	D4 Pilot Dia.	L OAL	Shoulder			List Price	Promo
												L1	t	L2		
47292-M19	RKCT50-4-0010	Mazak, DMG, G&L, Hurco, Fadal, Walter Grinders	N/A	4	1-8	45°	1.140	0.820	NA	1.026	2.575	0.700	0.200	1.000	\$29.05	\$18.00
47291-M19	RKCT50-4-0009-C	Mazak, DMG, G&L, Hurco, Fadal	Coolant	4	1-8	45°	1.140	0.820	0.468	1.026	2.575	0.700	0.200	1.000	\$29.05	\$18.00
47320-M19	RKCT50-1-0037-C	OKK	Coolant	1	1-8	90°	0.903	0.668	0.250	1.026	3.350	1.384	0.392	1.778	\$30.82	\$19.07
47319-M19	RKCT50-1-0036-C	Okuma, Hitachi, SNK, Toshiba	Coolant	1	1-8	60°	0.903	0.668	0.335	1.026	3.355	1.384	0.392	1.778	\$30.82	\$19.07
47306-M19	RKCT50-1-0023	Okuma, Hitachi, SNK, Toshiba	N/A	1	1-8	60°	0.903	0.668	NA	1.026	3.355	1.384	0.392	1.778	\$30.82	\$19.07
47308-M19	RKCT50-1-0025-C	Haas, Milltronics, Viper, Enshu, Awea	Coolant	1	1-8	45°	0.903	0.668	0.312	1.026	3.355	1.384	0.392	1.778	\$30.82	\$19.07
47309-M19	RKCT50-1-0026	Haas, Milltronics, Viper, Enshu, Awea	N/A	1	1-8	45°	0.903	0.668	NA	1.026	3.355	1.384	0.392	1.778	\$30.82	\$19.07
47317-M19	RKCT50-1-0034-C	Doosan, Hyundai, Kia	Coolant	1	1-8	45°	0.903	0.668	0.390	1.026	3.355	1.384	0.392	1.778	\$30.82	\$19.07
47388-M19	RKCT50-1-0123-C	Toyoda	Coolant	1	1-8	45°	0.903	0.668	0.236	1.030	3.353	1.384	0.400	1.778	\$30.82	\$19.07
47389-M19	RKCT50-1-0124	Mori Seiki, OKK, Yang	N/A	1	1-8	90°	0.903	0.668	NA	1.026	3.350	1.384	0.392	1.778	\$30.82	\$19.07
47318-M19	RKCT50-1-0035-C	Makino	Coolant	1	1-8	45°	0.903	0.668	0.236	1.026	3.353	1.384	0.392	1.778	\$30.82	\$19.07

ULTRA-PRECISION ER COLLETS

16 SLITS
FOR
UNIFORM
GRIPPING



100% Inspection:

Each and every collet is inspected to be precise within .0002" or better prior to shipping.

Maximum Contact Surface Area:

Each Dorian ER Collet features 16 full length slits (instead of competition's 8), enabling the collet to collapse uniformly to provide a concentric and full 360° gripping surface.

Material:

Premium Grade Special Alloy Steel with high a modulus of elasticity. Combined with the 16-slit design, this material provides full surface contact on the tool when collapsed.

Inch and Metric Sizes:

Choice of inch and metric sizes optimizes contact surface area for ultra high precision applications.

ULTRA-PRECISION
.0002" TIR



Ultra-Precision ER11 Collets

UPC#	Description	Holding Range (in)
46236-M19	ER11-STIMC-10	0.02 - 0.039
46237-M19	ER11-STIMC-15	0.039 - 0.059
46238-M19	ER11-STIMC-20	0.059 - 0.079
46249-M19	ER11-STIMC-0937	0.074 - 0.094
46239-M19	ER11-STIMC-25	0.079 - 0.098
46240-M19	ER11-STIMC-30	0.098 - 0.118
46250-M19	ER11-STIMC-0125	0.105 - 0.125
46241-M19	ER11-STIMC-35	0.118 - 0.138
46242-M19	ER11-STIMC-40	0.138 - 0.157
46243-M19	ER11-STIMC-45	0.157 - 0.177
46251-M19	ER11-STIMC-0187	0.168 - 0.188
46244-M19	ER11-STIMC-50	0.177 - 0.197
46245-M19	ER11-STIMC-55	0.197 - 0.217
46246-M19	ER11-STIMC-60	0.217 - 0.236
46252-M19	ER11-STIMC-0250	0.23 - 0.25
46247-M19	ER11-STIMC-65	0.236 - 0.256
46248-M19	ER11-STIMC-70	0.256 - 0.276

List Price: \$22.59

Promo: \$13.96

Ultra-Precision ER16 Collets

UPC#	Description	Holding Range (in)
46290-M19	ER16-STIMC-10	0.02 - 0.039
46288-M19	ER16-STIMC-15	0.039 - 0.059
46291-M19	ER16-STIMC-20	0.059 - 0.079
46275-M19	ER16-STIMC-0937	0.074 - 0.094
46289-M19	ER16-STIMC-25	0.059 - 0.098
46292-M19	ER16-STIMC-30	0.079 - 0.118
46276-M19	ER16-STIMC-0125	0.087 - 0.125
46293-M19	ER16-STIMC-40	0.118 - 0.157
46278-M19	ER16-STIMC-0187	0.15 - 0.188
46294-M19	ER16-STIMC-50	0.157 - 0.197
46295-M19	ER16-STIMC-60	0.197 - 0.236
46280-M19	ER16-STIMC-0250	0.213 - 0.25
46296-M19	ER16-STIMC-70	0.236 - 0.276
46297-M19	ER16-STIMC-80	0.276 - 0.315
46298-M19	ER16-STIMC-90	0.315 - 0.354
46284-M19	ER16-STIMC-0375	0.335 - 0.375
46299-M19	ER16-STIMC-100	0.354 - 0.394

List Price: \$20.16

Promo: \$12.47

Ultra-Precision ER20 Collets

UPC#	Description	Holding Range (in)
46353-M19	ER20-STIMC-10	0.02 - 0.039
46354-M19	ER20-STIMC-15	0.039 - 0.059
46355-M19	ER20-STIMC-20	0.059 - 0.079
46356-M19	ER20-STIMC-30	0.079 - 0.118
46386-M19	ER20-STIMC-0937	0.075 - 0.094
46387-M19	ER20-STIMC-0125	0.087 - 0.125
46358-M19	ER20-STIMC-40	0.118 - 0.157
46388-M19	ER20-STIMC-0187	0.15 - 0.188
46359-M19	ER20-STIMC-50	0.157 - 0.197
46360-M19	ER20-STIMC-60	0.197 - 0.236
46389-M19	ER20-STIMC-0250	0.213 - 0.25
46361-M19	ER20-STIMC-70	0.236 - 0.276
46362-M19	ER20-STIMC-80	0.276 - 0.315
46363-M19	ER20-STIMC-90	0.315 - 0.354
46390-M19	ER20-STIMC-0375	0.335 - 0.375
46364-M19	ER20-STIMC-100	0.354 - 0.394
46365-M19	ER20-STIMC-110	0.394 - 0.433
46367-M19	ER20-STIMC-120	0.433 - 0.472
46391-M19	ER20-STIMC-0500	0.461 - 0.5
46368-M19	ER20-STIMC-130	0.472 - 0.512

List Price: \$20.16

Promo: \$12.47

ULTRA-PRECISION ER COLLET SETS

UPC#	Collet Series	Description	Total Pcs.	Included in Set:	List Price	Promo
46768-M19	ER11	ER11-MCS-13C	13	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	\$303.76	\$188.00
46769-M19	ER16	ER16-MCS-10C	10	1, 2, 3, 4, 5, 6, 7, 8, 9, 10mm	\$212.36	\$130.67
46770-M19	ER20	ER20-MCS-12C	12	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm	\$252.69	\$156.00
46771-M19	ER25	ER25-MCS-15C	15	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16mm	\$341.39	\$210.67
46772-M19	ER32	ER32-MCS-18C	18	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20mm	\$430.10	\$265.33
46773-M19	ER40	ER40-MCS-23C	23	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26mm	\$645.15	\$398.67


Ultra-Precision ER40 Collets

Up to
43%
off!

Ultra-Precision ER25 Collets

UPC#	Description	Holding Range (in)
46428-M19	ER25-STIMC-10	0.02 - 0.039
46429-M19	ER25-STIMC-15	0.039 - 0.059
46430-M19	ER25-STIMC-20	0.059 - 0.079
46499-M19	ER25-STIMC-0937	0.075 - 0.094
46431-M19	ER25-STIMC-30	0.079 - 0.118
46500-M19	ER25-STIMC-0125	0.086 - 0.125
46433-M19	ER25-STIMC-40	0.118 - 0.157
46501-M19	ER25-STIMC-0187	0.148 - 0.188
46434-M19	ER25-STIMC-50	0.157 - 0.197
46435-M19	ER25-STIMC-60	0.197 - 0.236
46502-M19	ER25-STIMC-0250	0.211 - 0.25
46436-M19	ER25-STIMC-70	0.236 - 0.276
46437-M19	ER25-STIMC-80	0.276 - 0.315
46438-M19	ER25-STIMC-90	0.315 - 0.354
46503-M19	ER25-STIMC-0375	0.336 - 0.375
46439-M19	ER25-STIMC-100	0.354 - 0.394
46440-M19	ER25-STIMC-110	0.394 - 0.433
46442-M19	ER25-STIMC-120	0.433 - 0.472
46517-M19	ER25-STIMC-0500	0.461 - 0.5
46443-M19	ER25-STIMC-130	0.472 - 0.512
46444-M19	ER25-STIMC-140	0.512 - 0.551
46445-M19	ER25-STIMC-150	0.551 - 0.591
46518-M19	ER25-STIMC-0625	0.586 - 0.625
46446-M19	ER25-STIMC-160	0.591 - 0.63

List Price: **\$21.51**Promo: **\$13.29**
Ultra-Precision ER32 Collets

UPC#	Description	Holding Range (in)
46521-M19	ER32-STIMC-20	0.059 - 0.079
46543-M19	ER32-STIMC-0937	0.075 - 0.094
46522-M19	ER32-STIMC-30	0.079 - 0.118
46544-M19	ER32-STIMC-0125	0.086 - 0.125
46524-M19	ER32-STIMC-40	0.118 - 0.157
46545-M19	ER32-STIMC-0187	0.148 - 0.188
46525-M19	ER32-STIMC-50	0.157 - 0.197
46526-M19	ER32-STIMC-60	0.197 - 0.236
46546-M19	ER32-STIMC-0250	0.211 - 0.25
46527-M19	ER32-STIMC-70	0.236 - 0.276
46528-M19	ER32-STIMC-80	0.276 - 0.315
46529-M19	ER32-STIMC-90	0.315 - 0.354
46547-M19	ER32-STIMC-0375	0.336 - 0.375
46530-M19	ER32-STIMC-100	0.354 - 0.394
46531-M19	ER32-STIMC-110	0.394 - 0.433
46533-M19	ER32-STIMC-120	0.433 - 0.472
46569-M19	ER32-STIMC-0500	0.461 - 0.5
46534-M19	ER32-STIMC-130	0.472 - 0.512
46535-M19	ER32-STIMC-140	0.512 - 0.551
46536-M19	ER32-STIMC-150	0.551 - 0.591
46570-M19	ER32-STIMC-0625	0.586 - 0.625
46537-M19	ER32-STIMC-160	0.591 - 0.63
46538-M19	ER32-STIMC-170	0.63 - 0.669
46539-M19	ER32-STIMC-180	0.669 - 0.709
46540-M19	ER32-STIMC-190	0.709 - 0.748
46571-M19	ER32-STIMC-0750	0.713 - 0.75
46542-M19	ER32-STIMC-200	0.748 - 0.787

List Price: **\$22.59**Promo: **\$13.96**

UPC#	Description	Holding Range (in)
46623-M19	ER40-STIMC-30	0.079 - 0.118
46649-M19	ER40-STIMC-0125	0.087 - 0.125
46624-M19	ER40-STIMC-40	0.118 - 0.157
46650-M19	ER40-STIMC-0187	0.15 - 0.188
46625-M19	ER40-STIMC-50	0.157 - 0.197
46626-M19	ER40-STIMC-60	0.197 - 0.236
46651-M19	ER40-STIMC-0250	0.213 - 0.25
46627-M19	ER40-STIMC-70	0.236 - 0.276
46628-M19	ER40-STIMC-80	0.276 - 0.315
46629-M19	ER40-STIMC-90	0.315 - 0.354
46652-M19	ER40-STIMC-0375	0.335 - 0.375
46630-M19	ER40-STIMC-100	0.354 - 0.394
46631-M19	ER40-STIMC-110	0.394 - 0.433
46633-M19	ER40-STIMC-120	0.433 - 0.472
46653-M19	ER40-STIMC-0500	0.461 - 0.5
46634-M19	ER40-STIMC-130	0.472 - 0.512
46635-M19	ER40-STIMC-140	0.512 - 0.551
46636-M19	ER40-STIMC-150	0.551 - 0.591
46683-M19	ER40-STIMC-0625	0.587 - 0.625
46637-M19	ER40-STIMC-160	0.591 - 0.63
46638-M19	ER40-STIMC-170	0.63 - 0.669
46639-M19	ER40-STIMC-180	0.669 - 0.709
46640-M19	ER40-STIMC-190	0.709 - 0.748
46642-M19	ER40-STIMC-200	0.748 - 0.787
46686-M19	ER40-STIMC-0750	0.713 - 0.75
46643-M19	ER40-STIMC-210	0.787 - 0.827
46644-M19	ER40-STIMC-220	0.827 - 0.866
46684-M19	ER40-STIMC-0875	0.835 - 0.875
46645-M19	ER40-STIMC-230	0.866 - 0.906
46646-M19	ER40-STIMC-240	0.906 - 0.945
46647-M19	ER40-STIMC-250	0.945 - 0.984
46685-M19	ER40-STIMC-1000	0.961 - 1
46648-M19	ER40-STIMC-260	0.984 - 1.024

List Price: **\$26.89**Promo: **\$16.63**

QUIK-SET™ TOOL PRESETTERS

The **Quik-SET Tool Presetter** is a precision instrument designed for speed and simplicity in manufacturing environments or tool cribs. It has been carefully designed to meet the needs of CNC machinists. Its portability and ruggedness make it the best presetter for small to medium machine shops.

The pre-loaded "Recirculating Ball Bearing Cage Over Precision Ground Guide" in the X-axis allows for accurate and smooth positioning to measure tool diameters, while the Z-axis can be locked to preset or re-set tool lengths quickly and precisely.

UPC #	42001	42030	42032	42034
Quik-SET Model	Quik-SET- Z300	Quik-SET- Z400	Quik-SET- XM	Quik-SET- Z600
Price	\$4,959.97	\$5,747.13	\$6,330.68	\$8,488.53
Accuracy	±.0005	±.0005	±.0005	±.0005
Height Capacity (Z)	11.8 in	15.8 in	11.8 in	23.6 in
Diameter Capacity (X)	10.0 in	10.0 in	15.8 in	23.6 in
Measuring Method	Contact Probe			
Power Input	AA Batteries			
Warranty	One Year			
Each Presetter Supplied Standard with CAT/ISO/BT-40 Tool Sleeve				

- Reduces setup time
- Excellent Precision and Repeatability
- Best Technology & Workmanship at the Lowest Price in the Industry
- Built for Shop Environment
- Made In Italy

Precision

- Resolution .0005in
- Accuracy ± .0005in
- Repeatability .0005in
- Axis Squareness .0002in TIR

Up to 4 Machine Origins

Absolute/Incremental Modes

Radius/Diameter Mode

Inch/mm modes

.0005 in resolution

Powered by AA Batteries

Hardened Probe

Interchangeable Rotating Tool Sleeve

Heat Treated Heavy Duty Base

Fine Adjustment Knob

Clearance for CAT50 Tools with raised legs

Recirculating Ball Bearing Cage Over Precision Ground Guide

Free Test-Bar
\$780 Value!

Quik-SET Optional Tool Sleeves								
Style	ISO-20	ISO/BT-30	CAT/ISO/BT-40	ISO/CAT/BT-50	HSK-40A/50F	HSK-50A/63F	HSK63A-63C	HSK-100A
UPC #	42073	42066	42068	42070	42076	42077	42078	42080
Price	\$686.03	\$686.03	\$686.03	\$686.03	\$686.03	\$686.03	\$686.03	\$1,434.87

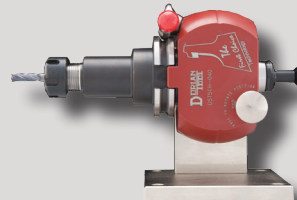
SMART TOOL-SETTER TIGHTENING FIXTURES



Rotate the handle to lock the tool positively.

Up to
13%
off!

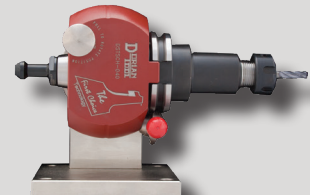
Pull the Knob to unlock the Tool-Setter and rotate to position. Release the knob to lock in place.



Left Hand



Vertical



Right Hand

Toolholder Taper Protected From Chips & Scratches

- Multi-Functional
- Quick Lock & Setting
- Multi-Position Setting
- Heavy Duty Construction
- Teflon Based Xylan Coating
- Precise Quality & Workmanship
- Holds CAT, BT or HSK Toolholders

UPC #	Description	Tool Size	List Price	Promo
36000-M19	DSTSCH-030	BT-30	\$473.52	\$438.67
36001-M19	DSTSCH-040	BT-40 CAT-40	\$473.52	\$438.67
36002-M19	DSTSCH-050	BT-50 CAT-50	\$565.41	\$524.00
36003-M19	DSTSHSK-063	HSK-063	\$642.51	\$596.00
36004-M19	DSTSHSK-100	HSK-100	\$682.65	\$633.33

Mounting

Mounting Holes



Mount the Smart Tool-Setter on a solid workbench. Use the 4 holes provided on the base to bolt down the Smart Tool-Setter.

Holder Loading



Indexing knob



Locking knob

Put holder in while locking knob is in unlocked position. Rotate locking knob to locked position to lock holder on the V-groove located on the diameter of the holder. Locking knob positively locks the tool in and does not allow tool to come out of place.

Application

The Smart Tool-Setter's precise and heavy duty construction make the tool-setter very rigid and able to endure extreme forces without causing any damage to tools or the Smart Tool-Setter. The multi-functioning and positioning of the Smart Tool-Setter allow the operator to switch quickly and easily from one operation to another without loss of time.

Small Tool Change



Endmills can be easily, quickly, and precisely set with the Smart Tool-Setter.

Large Tool Change



Large tools can be mounted or removed with the Smart Tool-Setter.

Positioning



Vertical



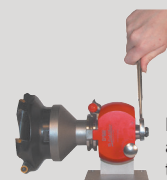
Horizontal Left Hand



Horizontal Right Hand

Pull the indexing knob to unlock, turn into a new position, and release the indexing knob to lock.

Pull Stud Change



Pull Studs can be quickly and easily changed using the Smart Tool-Setter.

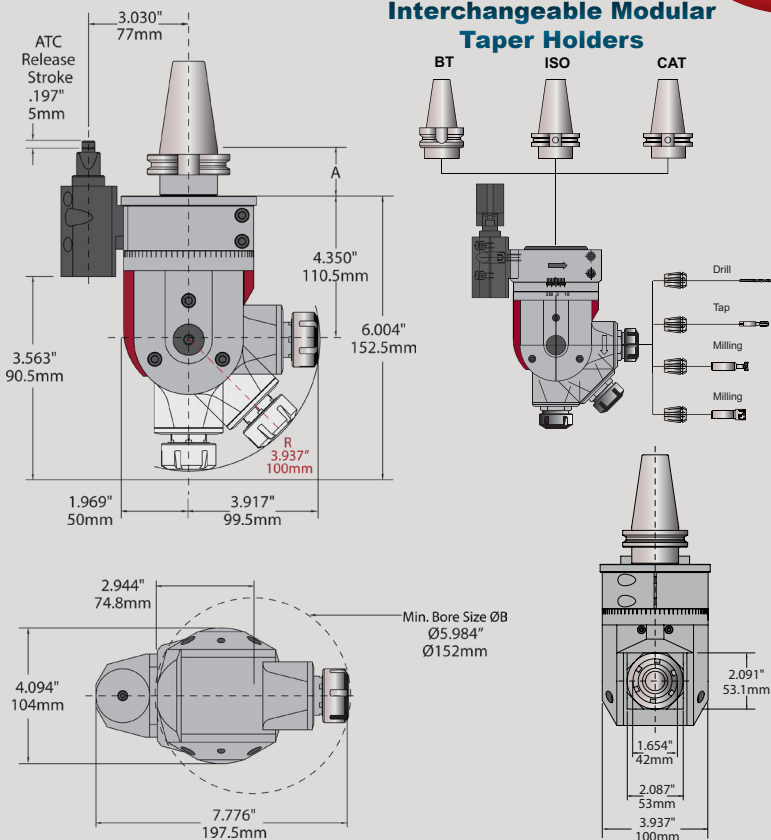
ADJUSTABLE ANGLE HEADS

with Interchangeable Modular Taper Holders

ER25 Series Collet System

- Capable of machining in two axial positioning angles
- Automatic tool change capability*
- Made In Italy

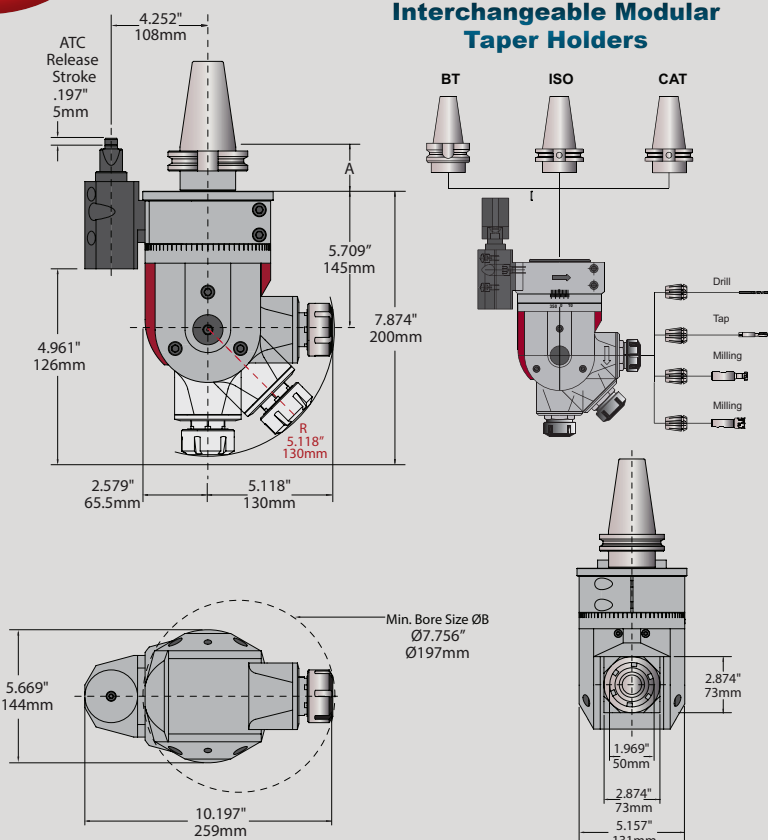
Interchangeable Modular Taper Holders



ER32 Series Collet System

- Capable of machining in two axial positioning angles
- Automatic tool change capability*
- Made In Italy

Interchangeable Modular Taper Holders



Up to
3%
off!

ER25	UPC #	Description	Shank Style	Torque lb.ft	Driving Ratio	Max RPM	A Gage Line	Collet Size	Max Tool Cap. Dia.	Max Tap Size	*Max Slotting Cutter I.D.	**Weight	List Price	Promo
	45951-M19	PLCNC-AAH-ER25-40DIN69871	ISO40-DIN69871	11	1 to 1	4000	1.378	ER25	0.625	0.625	1.250	14.3	\$8,455.26	\$8,265.02
	45952-M19	PLCNC-AAH-ER25-BT40	BT40				1.457							
	45953-M19	PLCNC-AAH-ER25-CAT40	CAT40				1.378							
	45955-M19	PLCNC-AAH-ER25-50DIN69871	ISO50-DIN69871				1.457							
	45956-M19	PLCNC-AAH-ER25-BT50	BT50				2.047							
	45957-M19	PLCNC-AAH-ER25-CAT50	CAT50				1.457							
ER32	UPC #	Description	Shank Style	Torque lb.ft	Driving Ratio	Max RPM	A Gage Line	Collet Size	Max. Tool Cap. Dia.	Max. Tap Size	*Max Slotting Cutter I.D.	**Weight	List Price	Promo
	45941-M19	PLCNC-AAH-ER32-40DIN69871	ISO40-DIN69871	29.5	1 to 1	3500	1.378	ER32	0.750	0.812	1.500	46.2	\$12,257.42	\$11,981.63
	45942-M19	PLCNC-AAH-ER32-BT40	BT40				1.457							
	45943-M19	PLCNC-AAH-ER32-CAT40	CAT40				1.378							
	45961-M19	PLCNC-AAH-ER32-50DIN69871	ISO50-DIN69871				1.457							
	45962-M19	PLCNC-AAH-ER32-BT50	BT50				2.047							
	45963-M19	PLCNC-AAH-ER32-CAT50	CAT50				1.457							

*check the max tool size and weight capacity of your machine

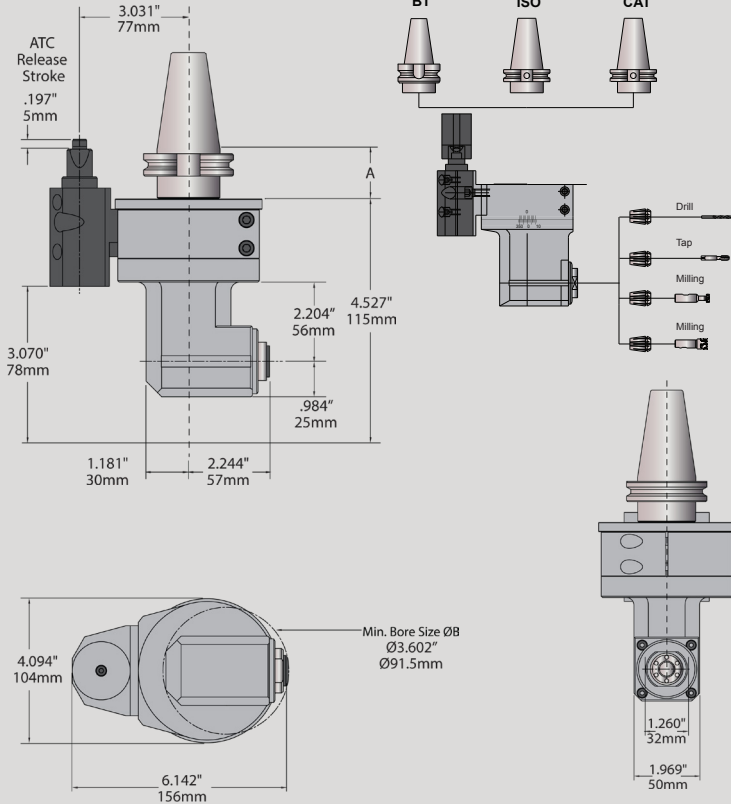
RIGHT ANGLE HEADS

with Interchangeable Modular Taper Holders

ER16 Series Collet System

- Fixed 90° angle head with 0- 360° circular rotation
- Automatic tool change capability*
- Made In Italy

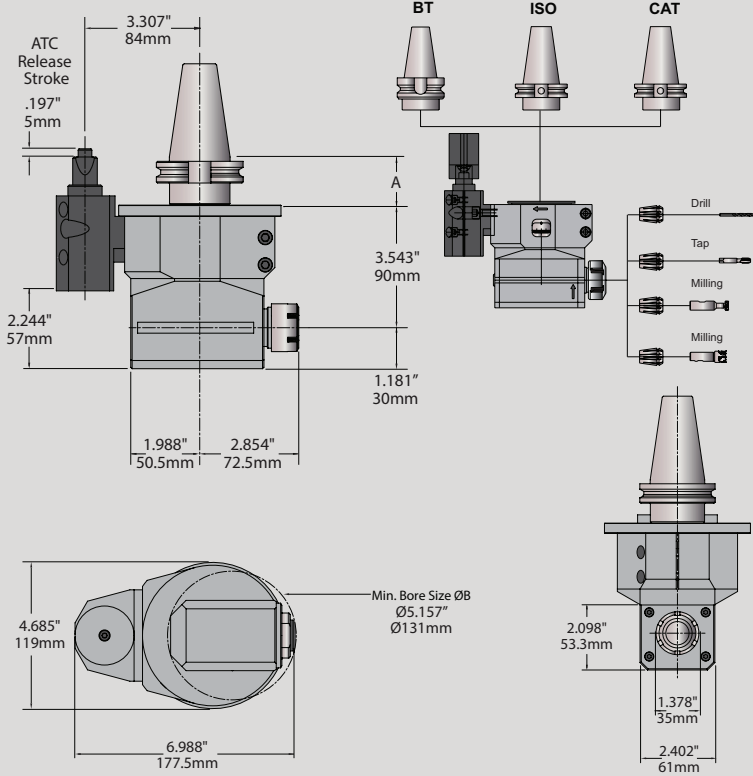
Interchangeable Modular Taper Holders



ER25 Series Collet System

- Fixed 90° angle head with 0- 360° circular rotation
- Automatic tool change capability*
- Made In Italy

Interchangeable Modular Taper Holders



	UPC #	Description	Shank Style	Torque lb.ft	Driving Ratio	Max RPM	A Gage Line	Collet Size	Max. Tool Cap. Dia.	Max. Tap Size	*Max Slotting Cutter I.D.	**Weight	List Price	Promo
ER16	45966-M19	90CNC-AAH-ER16-40DIN69871	ISO40-DIN69871	4.8	1 to 1	4000	1.378	ER16	0.375	0.312		14.3	\$6,023.42	\$5,887.90
	45967-M19	90CNC-AAH-ER16-BT40	BT40				1.457							
	45968-M19	90CNC-AAH-ER16-CAT40	CAT40				1.378							
	45970-M19	90CNC-AAH-ER16-50DIN69871	ISO50-DIN69871				1.457							
	45971-M19	90CNC-AAH-ER16-BT50	BT50				2.047							
	45972-M19	90CNC-AAH-ER16-CAT50	CAT50				1.457							
ER25	45975-M19	90CNC-AAH-ER25-40DIN69871	ISO40-DIN69871	14.7	1 to 1	3500	1.378	ER25	0.625	0.625	1.250	14.3	\$6,973.36	\$6,816.46
	45976-M19	90CNC-AAH-ER25-BT40	BT40				1.457							
	45977-M19	90CNC-AAH-ER25-CAT40	CAT40				1.378							
	45979-M19	90CNC-AAH-ER25-50DIN69871	ISO50-DIN69871				1.457							
	45980-M19	90CNC-AAH-ER25-BT50	BT50				2.047							
	45981-M19	90CNC-AAH-ER25-CAT50	CAT50				1.457							

*check the max tool size and weight capacity of your machine

RIGHT ANGLE HEADS

with Interchangeable Modular Taper Holders

ER32 Series Collet System

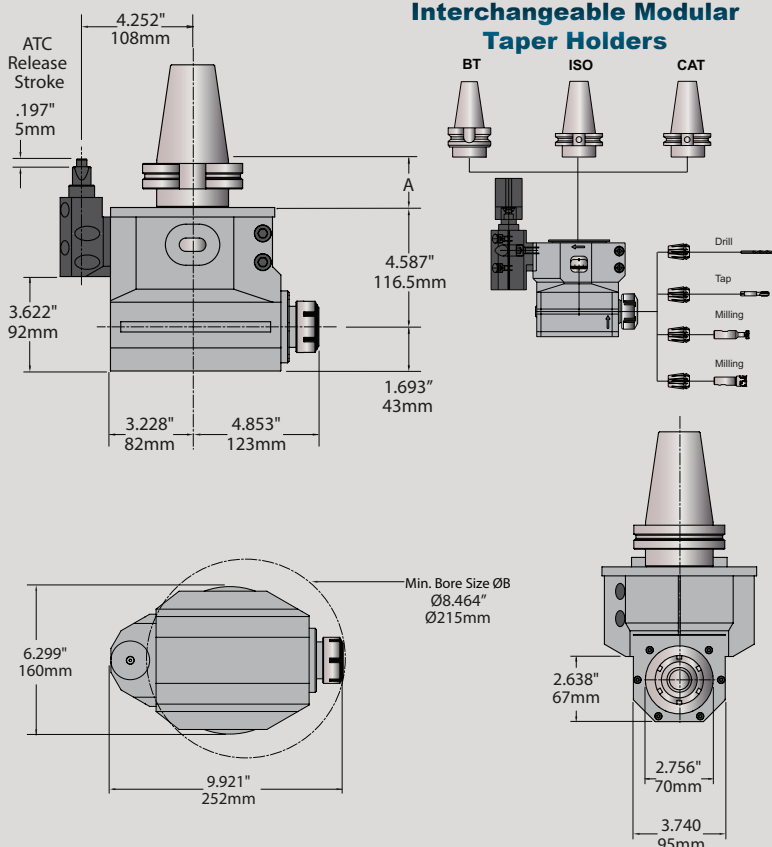
- Fixed 90° angle head with 0- 360° circular rotation
- Automatic tool change capability
- Made In Italy

CAT40 Series Collet System

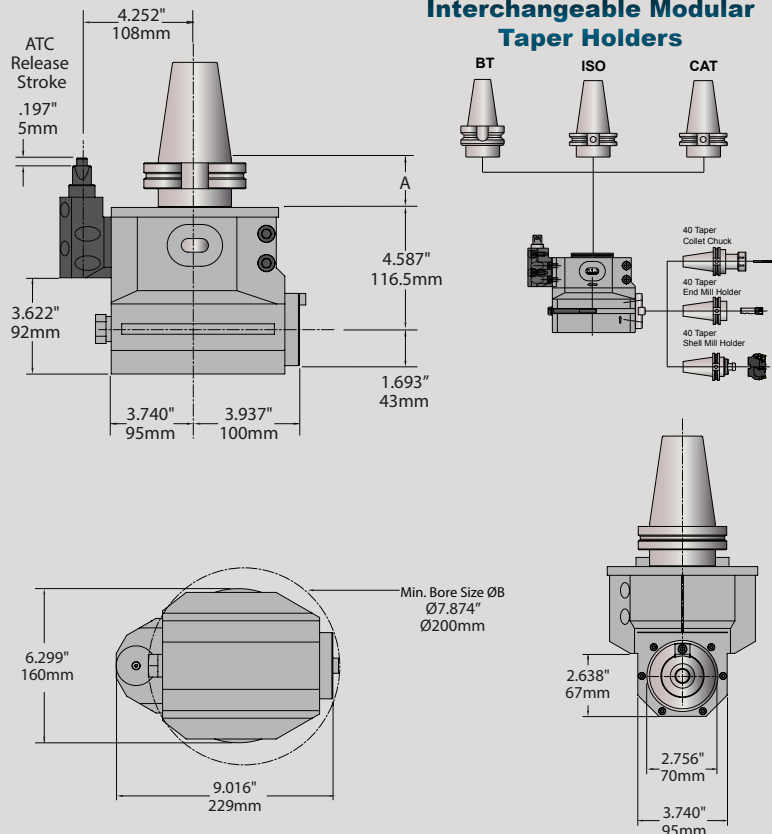
- Engineered to accept any CAT, ISO, or BT-40 taper holder
- Fixed 90° angle head with 0- 360° circular rotation
- Automatic tool change capability
- Made In Italy

Up to
3%
off!

Interchangeable Modular Taper Holders



Interchangeable Modular Taper Holders



ER32	UPC #	Description	Shank Style	Torque lb. ft	Driving Ratio	Max RPM	A Gage Line	Collet Size	Max. Tool Cap. Dia.	Max. Tap Size	*Max Slotting Cutter I.D.	**Weight (Lb)	List Price	Promo
	45984-M19	90CNC-AAH-ER32-40DIN69871	ISO40-DIN69871	44	1 to 1	3500	1.378	ER32	0.750	0.812	1.500	44 <i>** The weights of the angle heads do not include spindle taper holders.</i>	\$8,605.08	\$8,411.47
	45985-M19	90CNC-AAH-ER32-BT40	BT40				1.457							
	45986-M19	90CNC-AAH-ER32-CAT40	CAT40				1.378							
	45988-M19	90CNC-AAH-ER32-50DIN69871	ISO50-DIN69871				1.457							
	45989-M19	90CNC-AAH-ER32-BT50	BT50				2.047							
	45990-M19	90CNC-AAH-ER32-CAT50	CAT50				1.457							
CAT40	UPC #	Description	Shank Style	Torque lb. ft	Driving Ratio	Max RPM	A Gage Line	Output		**Weight (Lb)		List Price	Promo	
	45934-M19	90CNC-AAH-TP40-40DIN69871	ISO40-DIN69871	29.5	1 to 1	2000	1.378	ISO40 CAT40 BT40		44 <i>** The weights of the angle heads do not include spindle taper holders.</i>	\$9,459.07	\$9,246.24		
	45935-M19	90CNC-AAH-TP40-BT40	BT40				1.457							
	45936-M19	90CNC-AAH-TP40-CAT40	CAT40				1.378							
	45994-M19	90CNC-AAH-TP40-50DIN69871	ISO50-DIN69871				1.457							
	45995-M19	90CNC-AAH-TP40-BT50	BT50				2.047							
	45996-M19	90CNC-AAH-TP40-CAT50	CAT50				1.457							

*check the max tool size and weight capacity of your machine