

PRECISION END MILL HOLDERS

High Accuracy

Royal end mill holders are among the most accurate on the market:

- Runout is guaranteed to be $\leq 0.0002"$ TIR
- Tapers are ground to AT-3 specifications or better to ensure a precise, rigid fit with the machine tool spindle taper.
- Royal tool holders have an h5 bore tolerance for optimum cutting tool surface contact.

Longer Cutting Tool Life

The high accuracy of Royal end mill holders ensures that the cutting tools stay on centerline, distributing the chip load evenly and significantly extending cutting tool life.

Balanced

Royal end mill holders are balanced by design and guaranteed to G6.3@10,000 rpm.

Great Prices

Royal precision tool holders are very **competitively priced**, making them one of the best values in the industry.



In Stock

Royal maintains a huge inventory of tool holders for same-day shipment.

Quality Control

All Royal end mill holders are individually serialized according to ISO quality control standards.

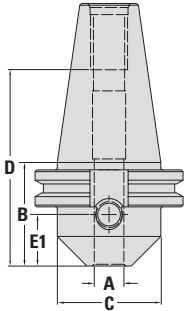
Thru-Coolant

A central **thru-coolant** feature is standard on all Royal tool holders.

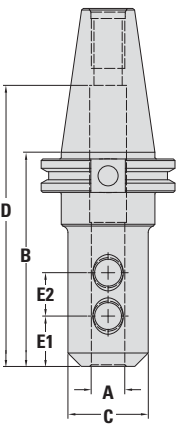
PRECISION END MILL HOLDERS CAT 40



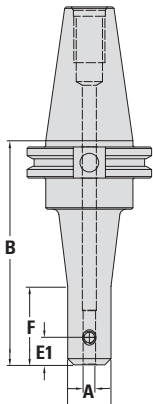
- Accuracy $\leq 0.0002''$ TIR
- Balanced to G6.3@10,000 RPM
- Thru-coolant feature standard
- Great low prices – up to 40% less than other brands



Type A



Type B



Type C

1/8" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	1.75	0.71*	3.00	0.37	-	5/8-11	A	54006*	\$84
	2.50	0.71	3.80	0.37	-	5/8-11	B	54008	84
	4.50	0.79	3.80	0.37	1.57	5/8-11	C	54010	97

3/16" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	2.50	0.79	3.80	0.51	-	5/8-11	B	54012	\$72
	4.50	0.79	3.80	0.51	1.57	5/8-11	C	54014	97

1/4" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	1.75	0.87*	3.00	0.55	-	5/8-11	A	54016*	\$72
	2.50	0.87	3.80	0.55	-	5/8-11	B	54018	72
	4.50	0.87	3.80	0.55	1.57	5/8-11	C	54020	97
	6.00	0.94	3.80	0.55	1.57	5/8-11	C	54022	104

5/16" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	2.50	1.02	3.80	0.59	-	5/8-11	B	54024	\$66

3/8" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	1.75	1.18*	3.00	0.75	-	5/8-11	A	54026*	\$66
	2.50	1.18	3.80	0.75	-	5/8-11	B	54028	66
	4.50	1.18	3.80	0.75	1.97	5/8-11	C	54030	72
	6.00	1.18	3.80	0.75	1.97	5/8-11	C	54032	90

7/16" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	2.50	1.38	3.80	0.79	-	5/8-11	B	54034	\$66

PRECISION END MILL HOLDERS CAT 40

1/2" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	1.75	1.75*	3.00	0.87	-	5/8-11	A	54036*	\$66
	2.62	1.38	3.80	0.87	-	5/8-11	B	54038	66
	4.62	1.38	3.80	0.87	-	5/8-11	B	54040	72
	6.00	1.38	3.80	0.87	2.36	5/8-11	C	54042	84

9/16" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	2.62	1.50	3.80	0.87	-	5/8-11	B	54044	\$69

5/8" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	1.75	1.75*	3.15	0.93	-	5/8-11	A	54046*	\$66
	3.00	1.65	3.35	0.93	-	5/8-11	B	54048	66
	3.75	1.65	3.35	0.93	-	5/8-11	B	54050	66
	6.00	1.65	3.35	0.93	-	5/8-11	B	54052	84

3/4" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	1.75	1.75*	3.15	0.98	-	5/8-11	A	54054*	\$66
	3.50	1.89	3.94	0.98	-	5/8-11	B	54056	66
	6.00	1.97	3.94	0.98	-	5/8-11	B	54058	81

7/8" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	1.75	2.20*	2.36	0.98	-	5/8-11	A	54060*	\$78
	3.50	2.28	2.36	0.98/0.80	-	5/8-11	B	54062	78
	6.00	2.28	2.36	0.98/0.80	-	5/8-11	B	54064	84

1" Diameter

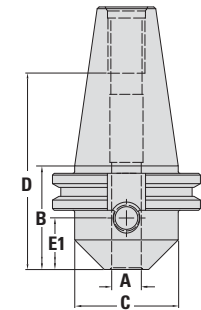
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CAT 40	2.00	2.20*	2.60	1.10	-	5/8-11	A	54066*	\$76
	4.00	2.28	2.75	1.10/0.98	-	5/8-11	B	54068	69
	6.00	2.28	2.75	1.10/0.98	-	5/8-11	B	54070	81

1-1/4" Diameter

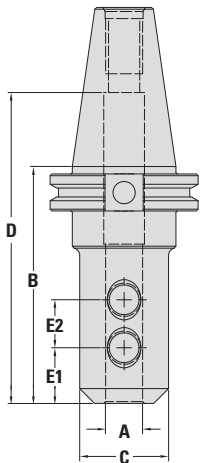
TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 40	2.00	2.36*	2.40	1.10	-	5/8-11	A	54072*	\$81
	4.00	2.52	2.52	1.10/0.98	-	5/8-11	B	54074	78
	6.00	2.52	2.75	1.10/0.98	-	5/8-11	B	54076	90

1-1/2" Diameter

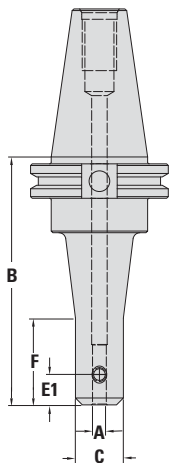
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CAT 40	4.62	2.76	2.95	1.48/0.98	-	5/8-11	B	54078	\$87



Type A



Type B

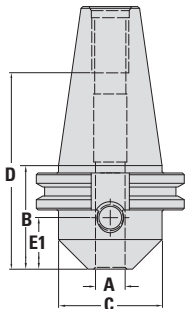


Type C

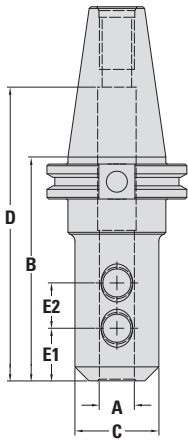
* No safety zone — Please contact a Royal applications engineer at 1-800-645-4174 for additional info.



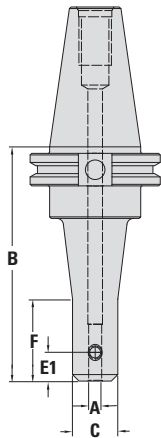
- Accuracy ≤ 0.0002 " TIR
- Balanced to G6.3@10,000 RPM
- Thru-coolant feature standard
- Great low prices – up to 40% less than other brands



Type A



Type B



Type C

1/8" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	2.50	0.71	3.00	0.37	-	1-8	B	54306	\$90

3/16" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	2.50	0.79	3.00	0.51	-	1-8	B	54308	\$90

1/4" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	2.50	0.87	3.00	0.55	-	1-8	B	54310	\$93

5/16" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	2.50	1.02	3.00	0.59	-	1-8	B	54312	\$105

3/8" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	2.50	1.18	3.00	0.75	-	1-8	B	54314	\$78
	4.50	1.18	3.00	0.75	1.97	1-8	C	54316	87
	6.00	1.18	3.00	0.75	1.97	1-8	C	54318	102
	8.00	1.18	3.00	0.75	1.97	1-8	C	54320	105

7/16" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	2.62	1.38	3.00	0.79	-	1-8	B	54322	\$90

1/2" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	2.62	1.38	3.00	0.87	-	1-8	B	54324	\$78
	4.62	1.38	3.00	0.87	-	1-8	B	54326	87
	6.62	1.38	3.00	0.87	2.36	1-8	C	54328	97
	8.00	1.38	3.00	0.87	2.36	1-8	C	54330	105

PRECISION END MILL HOLDERS CAT 50

9/16" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	2.62	1.50	3.00	0.87	-	1-8	B	54332	\$108

5/8" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	3.75	1.65	3.50	0.93	-	1-8	B	54334	\$81
	5.75	1.65	3.50	0.93	-	1-8	B	54336	87
	7.75	1.65	3.50	0.93	2.36	1-8	C	54338	105

3/4" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	3.75	1.97	4.00	0.98	-	1-8	B	54340	\$81
	5.75	2.05	4.00	0.98	-	1-8	B	54342	87
	7.75	2.05	4.00	0.98	2.36	1-8	C	54344	105

7/8" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	3.75	2.28	2.36	0.98/0.80	-	1-8	B	54346	\$84
	5.75	2.28	2.36	0.98/0.80	-	1-8	B	54348	99
	7.75	2.28	2.36	0.98/0.80	3.93	1-8	C	54350	105

1" Diameter

TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	4.00	2.28	2.75	1.10/0.98	-	1-8	B	54352	\$81
	6.00	2.28	2.75	1.10/0.98	-	1-8	B	54354	90
	8.00	2.28	2.75	1.10/0.98	4.33	1-8	C	54356	97

1-1/4" Diameter

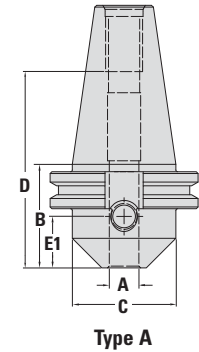
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CAT 50	4.00	2.52	2.75	1.10/0.98	-	1-8	B	54358	\$87
	6.00	2.52	2.75	1.10/0.98	-	1-8	B	54360	97
	8.00	2.60	2.75	1.10/0.98	-	1-8	B	54362	108

1-1/2" Diameter

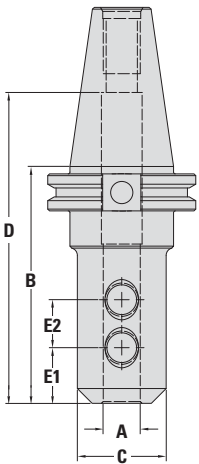
TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	4.00	2.75*	3.15	1.48/0.98	-	1-8	A	54364*	\$97
	6.00	2.91	3.15	1.48/0.98	-	1-8	B	54366	114
	8.00	2.91	3.15	1.48/0.98	-	1-8	B	54368	123

2" Diameter

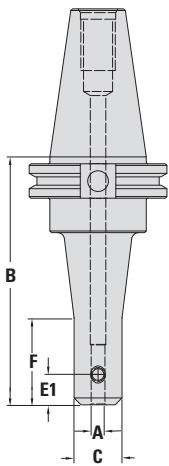
TAPER	GAGE LENGTH B	BODY DIAMETER C	TOOL DEPTH D	SET SCREW LOCATION E1/E2	EXTENSION LENGTH F	PULL STUD G	TOOLHOLDER TYPE	CATALOG NUMBER	PRICE
CAT 50	5.62	3.86	3.74	1.38/1.50	-	1-8	B	54370	\$132
	7.62	3.86	3.74	1.38/1.50	-	1-8	B	54372	174



Type A



Type B



Type C

* No safety zone — Please contact a Royal applications engineer at 1-800-645-4174 for additional info.