

**INDUSTRIAL**

# CNC Accessories

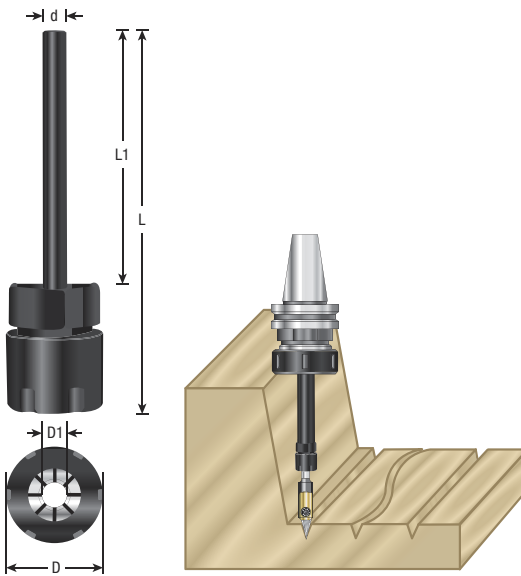


## CNC HIGH PRECISION TOOL HOLDER EXTENSIONS

*With Spring Collet • Heat Treated Alloy Steel*

ER collet chucks used for different projects and applications, save money by not purchasing extra-long tools! Choose the correct size spring collet for your bit, set the tool depth and tighten the collet nut using the mini wrench. Have the extra reach you need at economical prices.

- 1/4" inner diameter spring collet included.
- ER mini nut and spring collet included with each ER straight shank tool extension, ideal for hard to reach surfaces.
- Shank to pocket run-out 0.0004" (0.01mm).
- Precision ground for best Total Indicator Run-out (TIR).
- Spring collets can easily be changed.
- Black oxide finish for corrosion protection.
- Max RPM = 10,000 for safe operation.



D	d	L	L1	D1	Collet Standard	Spring Collet Included	Tool No.
55/64	1/4	5-1/2	4	1/4**	ER-16	CO-296*	<b>TE-122</b>
55/64	1/2	5-1/2	4	1/4**	ER-16	CO-296*	<b>TE-124</b>
1-7/64	1/4	5-7/8	4	1/4**	ER-20	CO-276*	<b>TE-100</b>
1-7/64	1/2	5-7/8	4	1/4**	ER-20	CO-276*	<b>TE-104</b>
1-7/64	1/2	7-7/8	6	1/4**	ER-20	CO-276*	<b>TE-106</b>
1-21/32	1/2	6-1/8	4	1/4**	ER-25	CO-286*	<b>TE-110</b>

\* Spring collet and wrench included.

Wrench WR-120 included for TE-100, TE-104, TE-106; Wrench WR-102 included for TE-110.

\*\*For different inner diameter spring collets, please see pages 62-63.



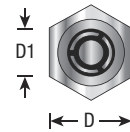
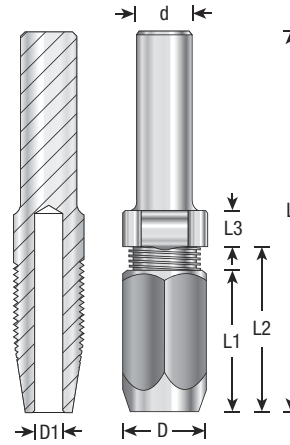
# CNC EXTENSION ADAPTERS

1/4" & 1/2" Shank



ØD1	Ød	ØD	L	L1	L2	L3	Tool No.
1/8	1/4	7/16	2-1/4	19/32	13/16	1/4	47648
1/4	1/4	5/8	2-5/8	15/16	1-3/16	1/4	47642
1/4	1/2	3/4	3-7/16	1-1/4	1-15/32	5/16	47640
1/2	1/2	1	3-5/8	1-25/32	1-9/16	13/32	47641

**Warning:** Maximum RPM=18,000  
Total Indicated Run-out (TIR) is 0.00118" (0.03mm)

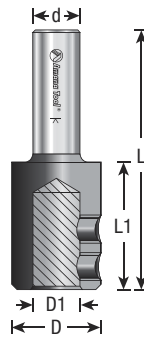
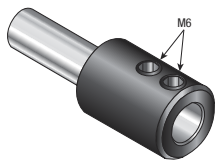


Bit sold separately.

# DOWEL DRILL/BORING BIT ADAPTER

For CNC Standard Collet/Tool Holder

Made especially to run 10mm shank dowel drills and boring bits on a CNC machine. Accommodates the flat area on the 10mm round drill bit shank. Secure with the two set screws, same method as on boring machines.



ØD1	Ød	ØD	L1	L	Tool No.
10mm	6mm	3/4	1-1/16	2-5/32	47643
10mm	1/4	3/4	1-1/16	2-5/32	47636
10mm	10mm	3/4	1-1/16	2-5/32	47644
10mm	1/2	3/4	1-1/16	2-5/32	47638

**Warning:** Maximum RPM=8,000  
Total Indicated Run-out (TIR) is 0.00118" (0.03mm)



Bit sold separately.

# CNC NARROW REACH TOOL HOLDER EXTENSIONS

Side Lock with Key

- For use with high precision spring collets
- Precision ground for best TIR
- Shank to pocket run-out 0.0004" (0.01mm)
- Black oxide finish for corrosion protection
- Max RPM = 10,000 for safe operation



I.D.	d	L	Tool No.
1/8	1/4	4	TE-130
1/8	1/4	6	TE-132
1/4	1/2	4	TE-134
1/4	1/2	6	TE-136
1/2	3/4	4	TE-138
1/2	3/4	6	TE-139



Bit sold separately.

## CNC ADAPTERS/HOLDER

### ISO Tool Holder with Pull Stud for Morbidelli & SCM Machines

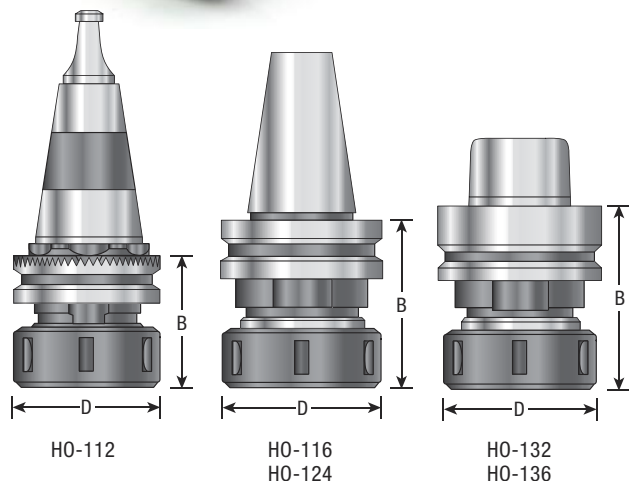
ØD	Adapter Standard	B	Collet Standard	Tool No.
50mm(2)	ISO30	55mm(2-5/32)	ER32	<b>HO-112</b>

### ISO Tool Holder

ØD	Adapter Standard	B	Collet Standard	Tool No.
50mm(2)	ISO30	50mm(2)	ER32	<b>HO-116</b>
50mm(2)	ISO40	63mm(2-1/2)	ER32	<b>HO-124</b>

### HSK Tool Holder

ØD	Adapter Standard	B	Collet Standard	Tool No.
50mm(2)	HSK63F	68mm(2-11/16)	ER32	<b>HO-132</b>
63mm(2-1/2)	HSK63F	68mm(2-11/16)	ER40	<b>HO-136</b>



## BT 40 HIGH PRECISION ER COLLET CHUCK TOOL HOLDERS

Made from alloy steel hardened to 54 - 56rc

- Balanced to G2.5 at 25,000 RPMs
- Coolant thru capability
- Concentricity is less than .0002 at collet face
- Rear thread for pull stud is M16 x 2.0
- Spring collet not included

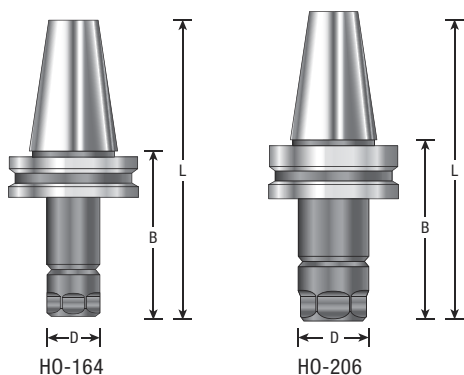


ØD	B	Adapter Standard	Collet Standard	L	Thread	Tool No.
28mm	70mm	BT 40	ER16	135.4mm	M16x2.0	<b>HO-164</b>
34mm	80mm	BT 40	ER20	145.4mm	M16x2.0	<b>HO-172</b>
34mm	100mm	BT 40	ER20	165.4mm	M16x2.0	<b>HO-174</b>
42mm	80mm	BT 40	ER25	145.4mm	M16x2.0	<b>HO-178</b>
50mm	100mm	BT 40	ER32	165.4mm	M16x2.0	<b>HO-186</b>

## CAT 40 HIGH PRECISION ER COLLET CHUCK TOOL HOLDERS

Made from alloy steel hardened to 54 - 56rc

- Balanced to G2.5 at 25,000 RPMs
- Coolant thru capability
- Concentricity is less than .0002 at collet face
- Rear thread for pull stud is 5/8 - 11
- Spring collet not included



ØD	B	Adapter Standard	Collet Standard	L	Thread	Tool No.
35mm	2.5	CAT 40	ER20	165.1mm	5/8-11	<b>HO-206</b>
35mm	4.0	CAT 40	ER20	203.4mm	5/8-11	<b>HO-208</b>
42mm	2.5	CAT 40	ER25	165.1mm	5/8-11	<b>HO-212</b>
42mm	4.0	CAT 40	ER25	203.4mm	5/8-11	<b>HO-214</b>
50mm	4.0	CAT 40	ER32	203.4mm	5/8-11	<b>HO-220</b>

# UNIVERSAL ADJUSTABLE AUTO-LOCKING STAND FOR ISO30 AND HSK63F CHUCKS

*Adjustable from 0° to 90°*

For ISO30 Tool Holders with 50mm flange.

- Tool Holder to be locked on the flange diameter
- Roller-bearing design
- Fastest tool change
- Bolts right to workbench



Router bit, wrench and tool holder sold separately.



Fits Amana Tool No.	Description	Tool No.
HO-112 and HO-116	For ISO30 Tool Holders with 50mm Flange	<b>UHO-50</b>
HO-132 and HO-136	For HSK63F Tool Holders with 63mm Flange	<b>UHO-63</b>

## CNC MINI LOCKNUT WRENCH

*For ER Collet Holder Extensions*

For use with ER Collet Holder Extension No.	For Use With	Tool No.
TE-100, TE-104 & TE-106	ER-20	<b>WR-120</b>
TE-122, TE-124	ER-16	<b>WR-122</b>



## CNC LOCKNUT WRENCHES

*For ER Tool Holders*

For Collet Locknut No.	Tool No.
ER50	<b>WR-112</b>
ER40	<b>WR-104</b>
ER32	<b>WR-100</b>
ER25	<b>WR-102</b>
ER20	<b>WR-106</b>
ER16	<b>WR-108</b>
ER11	<b>WR-110</b>
ER8	<b>WR-114</b>



# CNC HIGH PRECISION SPRING COLLETS

All spring collets are inspected for quality and 100% accuracy. Standard 0.0004" Total Indicator Runout (TIR)

Amana Tool Corp offers Metric and Inches high precision CNC Spring Collets in ER and RDO Styles.

The high precision spring collets reduce the vibrations on the tools and motors, assure better results and prolong the life of the tools and electrospindles. Our high precision spring collets used on our high precision tool holders give you the very best tool performance.



*ER-8 Spring Collet*

Dia.	Tool No.
1/8	<b>CO-442</b>
3/16	<b>CO-444</b>



*ER-11 Spring Collet*

Dia.	Tool No.
1/8	<b>CO-420</b>
3/16	<b>CO-422</b>
1/4	<b>CO-424</b>



*ER-16 Spring Collet*

Dia.	Tool No.
1/16	<b>CO-290</b>
1/8	<b>CO-292</b>
3/16	<b>CO-294</b>
1/4	<b>CO-296</b>
3/8	<b>CO-298</b>



*ER-20 Spring Collet*

Dia.	Tool No.
1/16	<b>CO-270</b>
3mm	<b>CO-271</b>
1/8	<b>CO-272</b>
4mm	<b>CO-273</b>
3/16	<b>CO-274</b>
6mm	<b>CO-279</b>
1/4	<b>CO-276</b>
8mm	<b>CO-269</b>
3/8	<b>CO-277</b>
10mm	<b>CO-275</b>
1/2	<b>CO-278</b>



*ER-25 Spring Collet*

Dia.	Tool No.
1/16	<b>CO-280</b>
1/8	<b>CO-282</b>
3/16	<b>CO-284</b>
5/16	<b>CO-285</b>
1/4	<b>CO-286</b>
9-10mm	<b>CO-281</b>
3/8	<b>CO-287</b>
1/2	<b>CO-288</b>
5/8	<b>CO-289</b>



*ER-32 Spring Collet*

Dia.	Tool No.
2-3mm	<b>CO-100</b>
3-4mm	<b>CO-104</b>
5-6mm	<b>CO-112</b>
6-7mm	<b>CO-116</b>
7-8mm	<b>CO-120</b>
9-10mm	<b>CO-130</b>
10-11mm	<b>CO-134</b>
11-12mm	<b>CO-138</b>
12-13mm	<b>CO-142</b>
13-14mm	<b>CO-146</b>
16-17mm	<b>CO-158</b>
17-18mm	<b>CO-162</b>
18-19mm	<b>CO-166</b>
19-20mm	<b>CO-170</b>
1/8	<b>CO-194</b>
3/16	<b>CO-196</b>
1/4	<b>CO-174</b>
3/8	<b>CO-178</b>
1/2	<b>CO-182</b>
5/8	<b>CO-186</b> <i>New</i>
3/4	<b>CO-190</b>



*ER-40 Spring Collet*

Dia.	Tool No.
3-4mm	<b>CO-200</b>
6-7mm	<b>CO-206</b>
9-10mm	<b>CO-212</b>
10-11mm	<b>CO-214</b>
11-12mm	<b>CO-216</b>
12-13mm	<b>CO-218</b>
13-14mm	<b>CO-220</b>
15-16mm	<b>CO-224</b>
16-17mm	<b>CO-226</b>
17-18mm	<b>CO-228</b>
20-21mm	<b>CO-234</b>
25-26mm	<b>CO-244</b>
1/8	<b>CO-262</b>
3/16	<b>CO-264</b>
1/4	<b>CO-246</b>
3/8	<b>CO-248</b>
1/2	<b>CO-250</b>
3/4	<b>CO-254</b>



*ER-50 Spring Collet*

Dia.	Tool No.
1/4	<b>CO-430</b>
1/2	<b>CO-432</b>
3/4	<b>CO-436</b>



*RDO-20, SYOZ-20 and EOC12 Spring Collet*

Dia.	Tool No.
3-4mm	<b>CO-411</b>
1/4	<b>CO-410</b>
5/16	<b>CO-412</b>
3/8	<b>CO-414</b>
9-10mm	<b>CO-415</b>
1/2	<b>CO-416</b>



*RDO-35, SYOZ-25 and EOC25 Spring Collet*

Dia.	Tool No.
1/4	<b>CO-400</b>
3/8	<b>CO-402</b>
1/2	<b>CO-404</b>
3/4	<b>CO-406</b>

# CNC HIGH PRECISION SPRING COLLETS SETS

All spring collets are inspected for quality and 100% accuracy.



**Tool No. CO-ER20**

**Includes 4 collets:**

CO-272, CO-276, CO-277, CO-278



**Tool No. CO-ER25**

**Includes 5 collets:**

CO-282, CO-284, CO-286, CO-287, CO-288



**Tool No. CO-ER32**

**Includes 4 collets:**

CO-174, CO-178, CO-182, CO-190



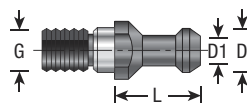
**Tool No. CO-ER40**

**Includes 4 collets:**

CO-246, CO-248, CO-250, CO-254

## RETAINING STUDS

For CNC Machines



ØD	ØD1	L	G	Adapter	Tool No.
<i>Morbidelli, SCM</i>					
8.5mm(11/32)	6.5mm(1/4)	22mm(7/8)	M10	ISO30	<b>CO-300</b>
<i>Busellato, Weeke, Bulleri, Maka</i>					
13mm(1/2)	9mm(3/8)	24mm(15/16)	M12	ISO30	<b>CO-304</b>
<i>Alberti, Vitap, Masterwood</i>					
13mm(1/2)	9mm(3/8)	24mm(15/16)	M12	ISO30	<b>CO-312</b>
<i>Biesse</i>					
13mm(1/2)	9mm(3/8)	24mm(15/16)	M12	ISO30	<b>CO-328</b>
<i>Biesse, Masterwood, Techno CNC</i>					
12mm(15/32)	8mm(5/16)	24mm(15/16)	M12	ISO30	<b>CO-332</b>
<i>Komo</i>					
13mm(1/2)	9mm(3/8)	24mm(15/16)	M12	BT30	<b>CO-336</b>



Visit [www.amantool.com](http://www.amantool.com) for more Retaining Studs.