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**NEW**

## STM PREMIUM

The perfect economic tooling solution for general purpose machining applications.

**VS**

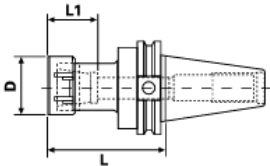
## GS TOOLING

Superior tooling performance when speed and accuracy matter most.

42CrMo	<b>Material Grade</b>	16NiCr4 (Premium European Alloy Steel)
AT3 or better (0.00024-0.00036in/ft)	<b>Taper Accuracy</b>	AT2 or better (0.00012-0.00024in/ft)
0.0002"	<b>Runout Accuracy</b>	0.0001"
CAT40 End Mill Holders: Balanced to G2.5 / 8,000rpm CAT50 End Mill Holders: Balanced to G2.5 / 6,000rpm	<b>Balance</b>	CAT40 End Mill Holders: Balanced to G6.3 / 30,000rpm CAT50 End Mill Holders: Balanced to G6.3 / 25,000rpm
CAT40 Collet Chucks: Balanced to G2.5 / 20,000rpm CAT50 Collet Chucks: Balanced to G2.5 / 15,000rpm	<b>Coolant Features</b>	AD/B DIN coolant through flange
AD/B DIN coolant through flange	<b>Thread Tolerance</b>	H4 = basic plus 0.0015-0.0020" (premium class of fit)
H6 = basic plus 0.0025-0.0030" (standard class of fit)	<b>SKU Offering</b>	Wide selection
Limited to the most popular items		

### STM CAT40 ER Collet Chucks

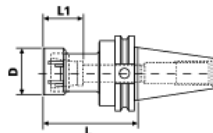
- DIN coolant option - standard
- Factory balanced to save spindle life, tool life and increased productivity
- TIR, 0.0002" at 4xDia.
- Wrench not included
- AT2 Taper Accuracy
- RFID Chip Hole



**BALANCE CERTIFICATE**  
**G2.5 at 20,000rpm**  
INCLUDED

### CAT40 ER Collet Chucks

- DIN coolant option - standard
- Factory balanced to save spindle life, tool life and increased productivity
- Threaded through holes for a back-up screw (tool stop) or coolant through when removed
- TIR, 0.0003" at 4xDia.
- Wrench not included
- All ground body
- RFID Chip Hole
- AT2 Taper Accuracy



**PREMIUM BALANCE**  
**G2.5 at 30,000rpm**  
CERTIFICATE INCLUDED

Collet Series	Collet Range	L	L1	D	Code No.	Price
ER16**	0.019-0.406	2.50"	0.87"	1.26"	525406	84.00
ER16**	0.019-0.406	3.50"	0.87"	1.26"	525408	88.00
ER16**	0.019-0.406	4.00"	0.87"	1.26"	525405	89.00
ER16**	0.019-0.406	6.00"	0.87"	1.26"	525410	109.00
ER20**	0.039-0.511	2.50"	1.06"	1.38"	525412	84.00
ER20**	0.039-0.511	4.00"	1.06"	1.38"	525414	89.00
ER20**	0.039-0.511	6.00"	1.06"	1.38"	525416	109.00
ER32	0.078-0.787	2.50"	1.34"	1.97"	525421	84.00
ER32	0.078-0.787	3.13"	1.34"	1.97"	525424	88.00
ER32	0.078-0.787	4.00"	1.34"	1.97"	525423	89.00
ER32	0.078-0.787	6.00"	1.34"	1.97"	525425	109.00

\*\*Hex Nut

Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Price
ER16**	0.019-0.406	2.50"	0.87"	1.26"	56.9"	531406	181.07
ER16**	0.019-0.406	3.50"	0.87"	1.26"	56.9"	531408	183.05
ER16**	0.019-0.406	4.00"	0.87"	1.26"	56.9"	531405	183.15
ER16**	0.019-0.406	6.00"	0.87"	1.26"	56.9"	531410	202.95
ER20**	0.039-0.511	2.50"	1.06"	1.38"	81.3"	531412	181.17
ER20**	0.039-0.511	4.00"	1.06"	1.38"	81.3"	531414	183.15
ER20**	0.039-0.511	6.00"	1.06"	1.38"	81.3"	531416	210.87
ER32	0.078-0.787	2.50"	1.34"	1.97"	128.8"	531421	195.03
ER32	0.078-0.787	3.13"	1.34"	1.97"	128.8"	531424	195.03
ER32	0.078-0.787	4.00"	1.34"	1.97"	128.8"	531423	195.03
ER32	0.078-0.787	6.00"	1.34"	1.97"	128.8"	531425	219.78

\*\*Hex Nut

**Popular sizes listed. Many, many, many more sizes and styles available. We also offer Shrinkfit & HSK holders.**



**NEW** **GS TOOLING NOW OFFERS EXTREME PRECISION**

GS High Precision Collets have a runout of 10-20 microns (0.01 - 0.02mm)  
The new **GS Extreme Precision AA Collets** have a runout of only 5 microns (0.005mm)

**Features & Benefits:**

- 16 slots allows sufficient collapse while increasing the area of contact with less tendency to distort
- All edges are deburred and rounded to promote good interface with the taper of the chuck without the tendency to damage it. This results in more consistent repeatability
- Collets are polished to eliminate blemishes that promote corrosion. Better corrosion resistance will result in longer product life of both the collet and the holder between the collet and the cutting tool shank
- Minimized variation of cutting edges
- Maximized Concentricity
- Evenly distributed cutting edges for high performance machining
- Highly polished OD surfaces reduce the amount of force absorbed by friction between the collet and the collet chuck seat, increasing the grip force on the cutting tool. The inside bore of the collet is intentionally left unpolished to increase the friction
- Improve system performance and lower cost per piece when used with quality GS chucks
- Consistent cutting profiles ensure the job stays within desired tolerances



	Collet Range	GS High Precision Code No.	GS High Precision Price	GS Extreme Precision Code No.	GS Extreme Precision Price
ER16 - 11pc Set	1/16-3/8	337403	278.06	336993	406.56
ER20 - 15pc Set	1/16-1/2	337404	415.86	336994	589.05
ER32 - 21pc Set	1/8-3/4	337407	557.75	336996	840.84

**RETENTION KNOBS**

**BT30 • BT40 • BT50 • CT40 • CT50**

- Ground Pilot
- O-Ring on Pilot to prevent coolant penetration into the spindle

We invite your inquiries.

Please have ready the following information when calling:

- Taper of Machine
- Make and Model No. of the Machine
- Draw Bar Thread Diameter and Pitch
- Taper Angle required underneath head of stud



**Popular sizes listed. Many, many, many more sizes and styles available. We also offer sealed, tap and metric collets.**