

**1-800-GRAINGER (472-4643)**



## CV40 Toolholders

These toolholders securely grip and center rotary cutting tools to enable them to make accurate cuts.

**End mill holders** attach end mills to a milling machine. They grip more securely than a collet to keep end mills from spinning or pulling out during heavy cuts.

**Shell mill holders** secure shell mills and face mills to a milling machine.

**Shrink-fit toolholders** use thermal contraction rather than mechanical tightening to get a strong, uniform grip on cutting tools. They provide more gripping force, better balance, and higher concentricity in high-speed machining applications than collets, milling chucks, or hydraulic chucks.

**End Mill Holder  
40MZ59**



**Shell Mill Holder  
35YJ20**

**Shrink Fit Tool Holder  
35YJ55**

Bore Dia.	Projection	Nose Dia.	Coolant Fed	Item No.
<b>End Mill Holder</b>				
1/4 in	2 1/2 in	0.7800 in	—	35YJ29
	4.7200 in	0.7800 in	Coolant Through	40MZ20
	6 in	0.7800 in	Coolant Through	40MZ22
3/8 in	2 1/2 in	3/8 in	Coolant Through	40MZ27
	5 in	1 in	—	35YJ31
1/2 in	2 1/2 in	1.1300 in	Coolant Through	40MZ38
	5 in	1 1/4 in	—	35YJ33
3/4 in	2 1/2 in	1 1/4 in	Coolant Through	40MZ47
	4.7200 in	1.3800 in	Coolant Through	40MZ48
	5 in	1 1/2 in	Coolant Through	40MZ53
1 in	3 3/4 in	1 1/2 in	Coolant Through	40MG89
	5 1/4 in	1 1/2 in	Coolant Through	40MZ59
1 1/4 in	1 1/4 in	1 1/4 in	—	35YJ37
	3 in	1 1/4 in	—	35YJ37
	5 in	1 1/4 in	Coolant Through	40MZ67

Bore Dia.	Projection	Nose Dia.	Coolant Fed	Item No.	
1 in	1 1/4 in	2 in	—	35YJ43	
	3 in	2 in	—	35YJ41	
	4 in	2 in	—	35YJ40	
	6 in	2 in	—	35YJ42	
1 1/4 in	6 in	2 1/2 in	Coolant Through	40MZ74	
	2 in	2 1/2 in	Coolant Through	40MZ75	
1 1/2 in	4 in	2 1/2 in	Coolant Through	40MZ73	
	1 1/2 in	4 in	2 1/2 in	Coolant Through	40MG92
	8.00mm	63.50mm	28.00mm	Coolant Through	40MG98
	10.00mm	63.50mm	35.00mm	Coolant Through	40MG99
	12.00mm	2 1/2 in	42.00mm	—	35YJ52
	16.00mm	63.50mm	48.00mm	Coolant Through	40MH01
	20.00mm	76.00mm	52.00mm	Coolant Through	40MH02
	25.00mm	101.00mm	65.00mm	Coolant Through	40MH03

Bore Dia.	Projection	Nose Dia.	Coolant Fed	Item No.
<b>Shell Mill Holder</b>				
—	1.3700 in	3/8 in	Non-Coolant Through	35YJ20
	2-1/6 in	1.1900 in	Non-Coolant Through	35YJ22
	4 in	3/8 in	Non-Coolant Through	35YJ21
—	4 in	1.1900 in	Non-Coolant Through	35YJ23
<b>Shrink Fit Tool Holder</b>				
—	3 in	0.9400 in	Coolant Through	35YJ55
—	3.9400 in	21.00mm	Coolant Through	35YJ56



## Collet Chuck

■ Coolant-Through

Collet chucks connect collets to milling machines, lathes, and other manual and CNC machine tools so that the collets can hold small-diameter tools and workpieces securely on the machine.

Projection	Nose Dia.	Max. Collet Capacity	Min. Collet Capacity	Item No.
1.1000 in	1.5700 in	0.787 in	0.0390 in	35YJ07
2.7600 in	1.0800 in	0.406 in	0.0200 in	35YH99
	1.3400 in	0.512 in	0.0200 in	35YJ02
	2 1/2 in	1.6500 in	0.750 in	0.0390 in
2.7600 in	1.9700 in	0.787 in	0.0390 in	35YJ06
	3.1500 in	2.4800 in	1.024 in	0.0860 in
4 in	1.0800 in	0.406 in	0.0200 in	35YJ01
	1.3400 in	0.512 in	0.0200 in	35YJ03
	1.6500 in	0.750 in	0.0390 in	40MG58
6 in	1.9700 in	0.787 in	0.0390 in	35YJ08
	1.3400 in	0.512 in	0.0200 in	35YJ04
	1.6500 in	0.750 in	0.0390 in	35YJ05
—	1.9700 in	0.787 in	0.0390 in	35YJ09

**35YJ07**



## Shell Mill Holders

These holders are quick and easy to set up and accommodate face mills with bore diameters ranging from 1/2" to 2". Pilot diameter sized for precision fit with cutter. Include removable/replaceable drive keys and arbor screw.

Taper Size	Pilot Dia.	Pilot Length	Projection	Body Dia.	Lock Screw Thread Size	Item No.
BT30	1/2 in	0.5700 in	1.1900 in	1.378"	1/4"-28	38NV44
	3/4 in	0.6700 in	1.1900 in	1.929"	3/8"-24	38NV45
	1 in	0.6700 in	1.1900 in	2.382"	1/2"-20	38NV46
BT40	1/2 in	0.5700 in	1 1/4 in	1.378"	1/4"-28	38NW08
	3/4 in	0.6700 in	1 1/4 in	1.929"	3/8"-24	38NW09
	1 in	0.6700 in	1 1/4 in	2.382"	1/2"-20	38NW10
BT50	1 1/2 in	0.9200 in	2 in	3.799"	3/4"-16	38PW11
	1 in	0.6800 in	1 1/4 in	2.382"	1/2"-20	38NX21
	1 in	0.6800 in	4 in	2.382"	1/2"-20	38NX68
CV40	1 1/4 in	0.6800 in	2 in	2.882"	3/8"-18	38NX22
	1 1/4 in	0.6800 in	4 in	2.882"	3/8"-18	38NX69
	1 1/4 in	0.6800 in	6 in	2.882"	3/8"-18	38NX89
CV50	1 1/2 in	0.9300 in	2 in	3.799"	3/4"-16	38NX23
	1 1/2 in	0.9300 in	4 in	3.799"	3/4"-16	38NX70
	2 in	0.9300 in	2 in	4.382"	1"-14	38NX24
	1 1/2 in	0.5700 in	1 1/4 in	1.378"	1/4"-28	38NX74
	3/4 in	0.6700 in	1 1/4 in	1.929"	3/8"-24	38NX75
	3/4 in	0.6700 in	4 in	1.929"	3/8"-24	38PA47
	1 in	0.6700 in	1 1/4 in	2.382"	1/2"-20	38NX76
	1 in	0.6700 in	4 in	2.382"	1/2"-20	38PA48
	1 1/4 in	0.6700 in	2 in	2.882"	3/8"-18	38NX77
	1 1/4 in	0.6700 in	4 in	2.882"	3/8"-18	38PA49
HSK100A	1 1/2 in	0.9300 in	2 in	3.799"	3/4"-16	38NX78
	1 1/2 in	0.9300 in	4 in	3.799"	3/4"-16	38PA50

Taper Size	Pilot Dia.	Pilot Length	Projection	Body Dia.	Lock Screw Thread Size	Item No.
CV50	3/4 in	0.6700 in	1 1/4 in	1.929"	3/8"-24	38PC43
	3/4 in	0.6700 in	4 in	1.929"	3/8"-24	38PD21
	3/4 in	0.6700 in	6 in	1.929"	3/8"-24	38PD60
	3/4 in	0.6700 in	8 in	1.929"	3/8"-24	38PD90
	1 in	0.6900 in	1 1/4 in	2.382"	1/2"-20	38PC44
	1 in	0.6900 in	4 in	2.382"	1/2"-20	38PD22
	1 in	0.6900 in	6 in	2.382"	1/2"-20	38PD61
	1 in	0.6900 in	8 in	2.382"	1/2"-20	38PD91
	1 1/4 in	0.6900 in	1 1/4 in	2.882"	3/8"-18	38PC45
	1 1/4 in	0.6900 in	4 in	2.882"	3/8"-18	38PD23
HSK100A	1 1/4 in	0.6900 in	6 in	2.882"	3/8"-18	38PD62
	1 1/4 in	0.6900 in	8 in	2.882"	3/8"-18	38PD92
	1 1/2 in	0.9300 in	2 in	3.799"	3/4"-16	38PC46
	1 1/2 in	0.9300 in	4 in	3.799"	3/4"-16	38PD24
	1 1/2 in	0.9300 in	6 in	3.799"	3/4"-16	38PD63
	1 1/2 in	0.9300 in	8 in	3.799"	3/4"-16	38PD93
	2 in	0.9300 in	2 in	4.382"	1"-14	38PC47
	2 in	0.9300 in	4 in	4.382"	1"-14	38PD25
	3/4 in	0.6690 in	6 in	1.693"	3/8"-24	38PW60
	1 in	0.6690 in	4 in	2.165"	1/2"-20	38PW61
HSK100A	1 in	0.6690 in	6 in	2.165"	1/2"-20	38PW62
	1 1/4 in	0.6690 in	6 in	2.756"	3/8"-18	38PW63
	2 in	0.9020 in	4 in	4.488"	1"-14	38PW64
	2 in	0.9020 in	6 in	4.488"	1"-14	38PW65

**BT30  
38NV44**



Taper Size	Pilot Dia.	Pilot Length	Projection	Body Dia.	Lock Screw Thread Size	Item No.
HSK40A	3/4 in	0.6700 in	2 3/4 in	1.690"	3/8"-24	38PW93
	1 in	0.6700 in	2 3/4 in	2.170"	1/2"-20	38PW94
HSK63A	3/4 in	0.6690 in	3 in	1.693"	3/8"-24	38PX71
	1 in	0.6690 in	5 in	1.693"	3/8"-24	38PX72
NMTB30	1 in	0.6690 in	3 in	2.165"	1/2"-20	38PX73
	1 1/4 in	0.6690 in	5 in	2.756"	3/8"-18	38PX74
NMTB40	1 1/2 in	0.5700 in	1 1/4 in	1.378"	1/4"-28	38PZ17
	3/4 in	0.6700 in	1.3100 in	1.929"	3/8"-24	38PZ18
NMTB50	1 in	0.6700 in	1.3100 in	2.382"	1/2"-20	38PZ19
	1 1/2 in	0.5700 in	1 1/4 in	1.378"	1/4"-28	38PZ20
R8	1 in	0.6700 in	1 1/2 in	2.882"	3/8"-18	38PZ52
	1 1/4 in	0.6700 in	1 1/2 in	2.882"	3/8"-18	38PZ53
R8	1 in	0.6700 in	1 1/2 in	2.882"	3/8"-18	38PZ54
	1 1/4 in	0.6700 in	1 1/2 in	2.882"	3/8"-18	38PZ55
R8	1 in	0.6700 in	1 in	2"	3/8"-24	38NV26
	1 1/4 in	0.6700 in	1 in	2.380"	1/2"-20	38NV27
R8	1 1/4 in	0.6700 in	1 in	2.880"	3/8"-18	38NV28
	1 1/2 in	0.9400 in	1 1/4 in	3.500"	3/4"-16	38NV29

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