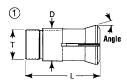


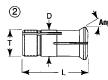
SWISS CARBIDE GUIDE BUSHINGS

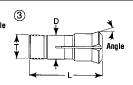


These round Swiss Guide Bushings are carbide-lined to keep the stock clean and unmarked. Specials are available in hardened steel, Meehanite lining, angular & zigzag slotted and extruded shapes.

								GUIDE BUSHING CAPACITY		
		Guide			D	L	T	Carbide-Lined Hardened Steel		ed Steel
		Bushing		Head	Bearing	Overall	Thread	Round	Hexagon	Square
Machine Tool Builder	Fig.	Model No.	Cat. No.	Angle	Diameter	Length	Diameter	Min./Max.	Min./Max.	Min./Max.
Citizen, Tornos,	2	0201	4639	30°	.9447"	2.410"	M24 x 1	.0625" to 5/8"	.125" to .541"	.125" to .442"
Peterman					(24)	(61.21)		(1.58 to 15.87)	(3.17 to 13.74)	(3.17 to 11.22)
Citizen®, Hanwha,	1	CD25	4651	10°	1.3384"	3.445"	M34 x 1	3/32" to 11/32"	.093" to .893"	.093" to .729"
Hardinge, KSI, Maier,					(34)	(87.5)		(2.38 to 26.19)	(2.36 to 22.68)	(2.36 to 18.52)
Tsugami, Star										
Citizen, Peterman	1	PD4	4675	16°	.3542"	1.727"	M8 x .75	.030" to .188"	.0625" to .163"	.0625" to .133"
					(9)	(44)		(.76 to 4.79)	(1.58 to 4.14)	(1.58 to 3.37)
Hardinge	1	S20HGB	4657	16°	1.1810"	2.756"	M28 x 1	3/32" to 13/16"	.125" to .684"	.125" to .558"
					(30)	(70)		(2.38 to 20.63)	(3.17 to 17.37)	(3.17 to 14.17)
Citizen, Hanwha, KSI,	2	SD125R	4633	30°	.7085"	2.370"	M18 x 1	1/32" to 1/2"	.0625" to .433"	.0625" to .353"
Maier, Tsugami,					(18)	(60.20)		(.79 to 12.70)	(1.58 to 10.99)	(1.58 to 8.96)
Bechler, Strohm, Tornos										
Star	1	SNC15	4637	12° 30'	.8266"	2.263"	M18 x 1	1/32" to 9/16"	.125" to .487"	.125" to .397"
					(21)	(57.5)		(.79 to 14.28)	(3.17 to 12.36)	(3.17 to 10.08)
Tsugami	1	STM38	4739	16°	1.889"	3.220"	M46 x 1	1/4" to 1.496"	1/4" to 1.295"	1/4" to 1.058"
					(47.98)	(81.79)		(6.35 to 40)	(6.35 to 32.89)	(6.35 to 26.87)
Tornos	3	T-200	4719	20° 5'	1.3383"	5.920"	M32 x 1.5	.1093" to 1.000"	.1875" to .866"	.1875" to .707"
					(34)	(150.36)		(2.77 to 25.40)	(4.76 to 21.99)	(4.76 to 17.95)
Citizen, Tornos (CAM),	1	TD7	4679	16°	.4329"	2.120"	M10 x .75	.030" to .250"	.0625" to .219"	.0625" to .177"
Tsugami					(11)	(53.85)		(.76 to 6.35)	(1.59 to 5.56)	(1.59 to 4.5)
Citizen, Star, Tornos,	1	TD10	4631	16°	.6298"	2.377"	M14 x 1	1/32" to 13/32"	.0625" to .351"	.0625" to .287"
Bechler					(16)	(60.37)		(.79 to 10.31)	(1.58 to 8.91)	(1.58 to 7.28)
Tsugami, Tornos	1	TD20	4635	16°	.8660"	2.686"	M19 x 1	1/16" to 17/32"	.0625" to .460"	.0625" to .375"
					(22)	(68.22)		(1.58 to 13.49)	(1.58 to 11.68)	(1.58 to 9.52)
Maier, Star, Tsugami,	1	TD20R	4641	16°	.8660"	2.686"	M22 x 1	1/16" to 5/8"	.0625" to .541"	.0625" to .442"
Traub					(22)	(68.22)		(1.58 to 15.87)	(1.58 to 13.74)	(1.58 to 11.22)
Tsugami, Tornos,	2	TD25	4647	30°	1.1022"	3.228"	M25 x 1	3/32" to 25/32"	.125" to .649"	.125" to .530"
Bechler					(28)	(82)		(2.38 to 19.84)	(3.18 to 16.48)	(3.18 to 13.46)
Maier, Hardinge, Star	1	TD25S	4649	16°	1.1022"	3.228"	M25 x 1	3/32" to 25/32"	.125" to .649"	.125" to .530"
					(28)	(82)		(2.38 to 19.84)	(3.17 to 16.48)	(3.17 to 13.46)
Citizen, Hanwha, KSI	1	TD25NS	4659	16°	1.1022"	3.228"	M25 x 1	.0900" to 25/32"	.125" to .649"	.125" to .530"
					(28)	(82)		(2.28 to 19.84)	(3.17 to 16.48)	(3.17 to 13.46)
Tsugami	1	TD26	4733	16°	1.0236"	3.031"	M25 x 1	1/16" to .781"	1/16" to .676"	1/16" to .552"
· ·					(26)	(76.99)		(1.58 to 19.84)	(1.58 to 17.17)	(1.58 to 14.02)
Citizen, Maier, Tsugami,	2	TD32	4653	20° 40'	1.6526"	3.220"	M40 x 1	3/16" to 1-17/64"	.250" to 1.0826"	.250" to .883"
Tornos					(41.29)	(81.79)		(4.76 to 32.15)	(6.35 to 27.50)	(6.35 to 22.42)
Hanwha, KSI, Star,	1	TD32S	4655	16°	1.6526"	3.232"	M40 x 1	3/16" to 1-17/64"	.250" to 1.0826"	.250" to .883"
Tornos					(41.29)	(82.09)		(4.76 to 32.15)	(6.35 to 27.50)	(6.35 to 22.42)
KSI	3	TD38	O/A	16°	1.811"	3.622"	M45 x 1	1/4" to 17/16"	.250" to 1.250"	.250" to 1.000"
	1				(46)	(92)		(6.35 to 36.50)	(6.35 to 31.75)	(6.35 to 25.40)
Citizen, Tornos	2	TSD20	4645	30°	1.2597"	2.805"	M32 x 1	.060" to 13/16"	.125" to .703"	.125" to .574"
					(32)	(71.24)		(1.52 to 20.63)	(3.17 to 17.85)	(3.17 to 14.57)
Hardinge, Tsugami	1	TSG-20R	4643	16°	.9054"	2.835"	M22 x 1	.030" to 11/16"	.0625" to .595"	.0625" to .486"
	-				(23)	(72)		(.76 to 17.46)	(1.58 to 15.11)	(1.58 to 12.34)







Millimeters in parentheses ()