INNOVATIONS

MASTER CATALOG

TOOLING SYSTEMS

2013

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KENNAMETAL®

GENERAL ENGINEERING

TRANSPORTATION

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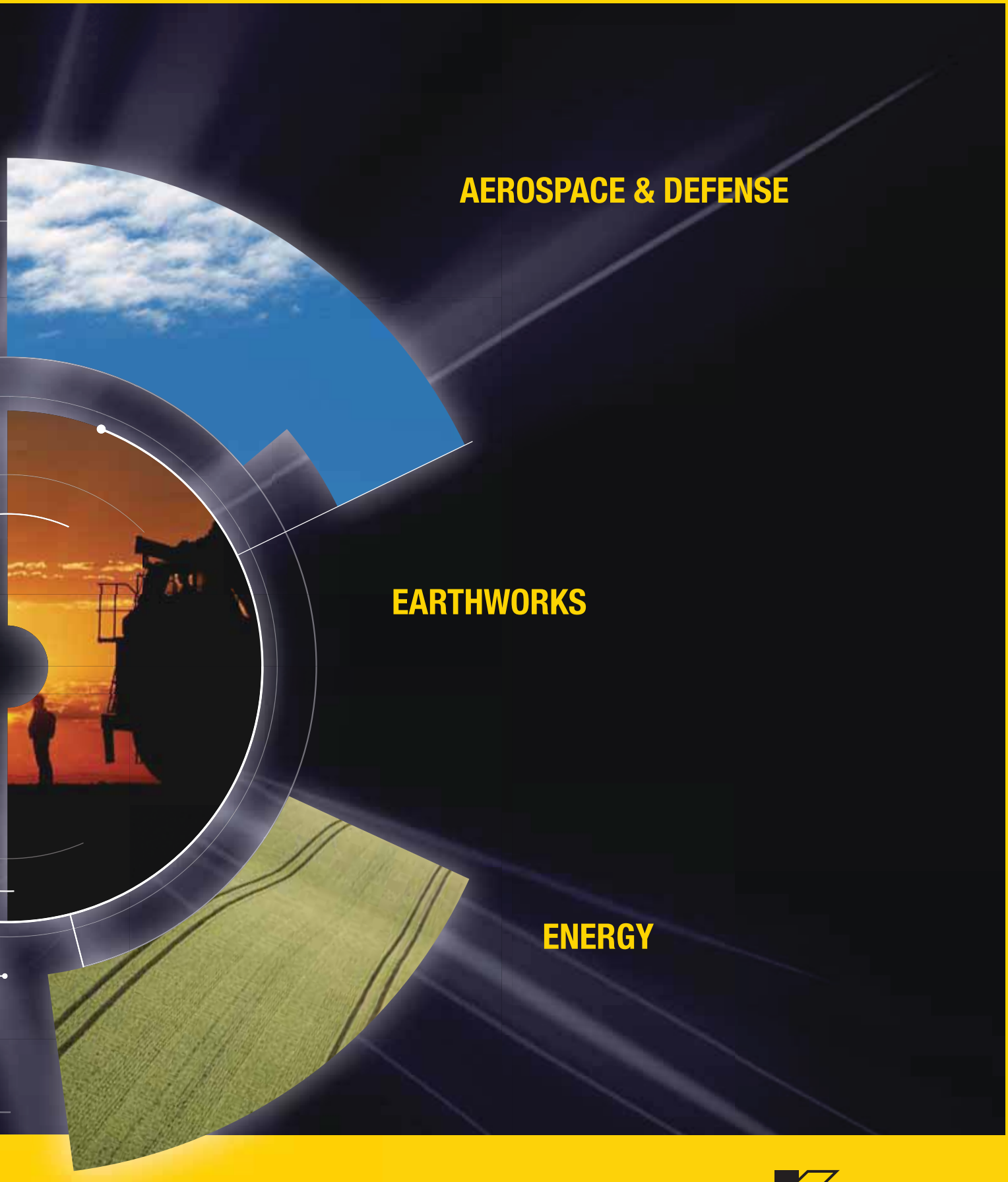


KENNAMETAL®

ERICKSON™ • TG Single-Angle Collets

Primary Application

TG — Tremendous Grip Collets are manufactured according to the original ERICKSON standard and developed to utilize the full power available from the modern machine tool. A slow taper (8° inclusive angle) is used to produce maximum wedge action as the collet is forced back into the chuck body from the actuating locknut. From all the Collets Kennametal offers, the TG system is superior on grip, versatile in applications, and the most accurate. They are ideal for end milling, drilling, tapping, reaming, and boring solutions and available in a variety of styles, TG50, TG75, TG100, and TG150, with clamping ranges from 0,5–40mm (.0197–1.5000").

Features and Benefits

- Original ERICKSON standard.
- Slow 8° inclusive angle taper for best grip (approximately 3:1).
- Standard design accuracy to DIN 6499 Class 2 accuracy.
- HP design accuracy to DIN 6499 Class 1 accuracy.
- Bonded style available for through-coolant applications.
- Non-pullout style to captivate Weldon®-style end mills.
- Dedicated versions for tapping — driving off the square of the tap.

- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy, see page M103.

100TGC160M

ERICKSON™

100	TG	C	160	M
System Size	Collet Style	Special Features *(optional)*	Collet Bore Size	Identification Value
50 = 50 **75** = 75 **100** = 100 **150** = 150	**TG** = Tremendous Grip, single angle	**C** = Coolant style — bonded **HP** = High precision **CHP** = Coolant/high precision **NP** = Non-pullout (slot for drive) **ST** = Solid tapping (slot for drive) **STC** = Solid tapping/coolant (slot for drive)	**metric (xx.x)** **010** = 1mm **160** = 16mm **245** = 24,5mm **inch (x.xxx)** **0125** = 1/8" **0500** = 1/2" **1000** = 1"	**M** = Sleeve bore size built to metric values **(blank)** = Sleeve bore size built to metric values

TG • Tremendous Grip

ERICKSON™

- Provides Tremendous Grip and accuracy for all drilling applications.
- 0,4mm [.016" (1/64)] range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy.

TGC • Tremendous Grip Coolant

ERICKSON™

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 100 bar (1500 psi).
- Unique design features permit easy entry into nosepiece.
- Available from stock in all popular sizes.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range collapse.
- Design enables flutes of drills to enter collet, unlike competitive designs.

TGHP • Tremendous Grip High Precision

ERICKSON™

- Twice as accurate as standard TG- and ER-style collets.
- Available from stock in all popular sizes.
- Can be used in all standard TG-style collet chucks.
- 0,25mm (.010") range of collapse.
- Manufactured to DIN 6499 Class 1 accuracy.

TGCHP • Tremendous Grip Coolant High Precision

ERICKSON™

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 100 bar (1500 psi).
- Unique design features permit easy entry into nosepiece.
- Available from stock in all popular sizes.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.
- Manufactured to DIN 6499 Class 1 accuracy.

TGNP • Tremendous Grip Non-Pullout, Weldon® Style

ERICKSON™

- Positive retention and drive provided by drive wedge in collet.
- Eliminates inaccuracy created by solid end mill holders.
- 0,13mm (.005") range of collapse.
- Fits all standard TG-style collet chucks.

TGST • Tremendous Grip Single-Angle Tap Collet

ERICKSON™

- Designed to grip the tap on the shank and square.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.

TGSTC • Tremendous Grip Single-Angle Tap Collet, Coolant Style

ERICKSON™

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 70 bar (1000 psi).
- Designed to grip the tap on the shank and square.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.

ERICKSON™

Superior Gripping

For bearing milling chucks when grip counts. ERICKSON — the industry name you can trust.

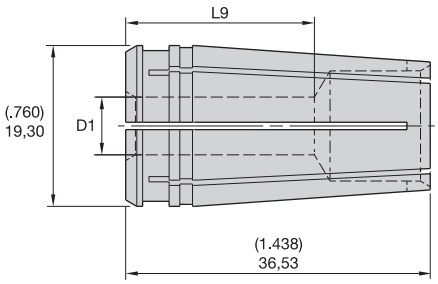
- Heavy and fine milling applications.
- Great accuracy ≤5µm (.0002") at 3 x D and best gripping system.
- Pre-balanced to high specifications.
- Versatile as a collet chuck with the use of reduction sleeves.

Visit **www.kennametal.com** or contact your local Authorized Kennametal Distributor.

www.kennametal.com

KENNAMETAL®

- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 50TG 0,4mm [.016" (1/64)] range of collapse.
- 50TGC and 50TGCHP 0,13mm (.005") range of collapse.
- 50TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



ERICKSON™

TG50 Series • Metric

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max mm	collet capacity min mm	L9
1,5	**50TG015M**	—	—	—	1,50	1,10	11,9
2,0	**50TG020M**	—	—	—	2,00	1,60	12,0
2,5	**50TG025M**	—	—	—	2,50	2,10	18,0
3,0	**50TG030M**	—	—	—	3,00	2,60	18,2
3,5	**50TG035M**	—	—	—	3,50	3,10	18,4
4,0	**50TG040M**	—	—	—	4,00	3,60	21,7
4,0	—	—	**50TGHP040M**	—	4,00	3,75	21,7
4,5	**50TG045M**	—	—	—	4,50	4,10	21,9
5,0	**50TG050M**	—	—	—	5,00	4,60	22,0
5,5	**50TG055M**	—	—	—	5,50	5,10	22,2
6,0	—	—	**50TGHP060M**	—	6,00	5,75	22,3
6,0	**50TG060M**	—	—	—	6,00	5,60	22,3
6,0	—	**50TGC060M**	—	—	6,00	5,87	22,3
6,0	—	—	—	**50TGCHP060M**	5,90	5,87	22,4
6,5	**50TG065M**	—	—	—	6,50	6,10	22,3
7,0	**50TG070M**	—	—	—	7,00	6,60	29,0

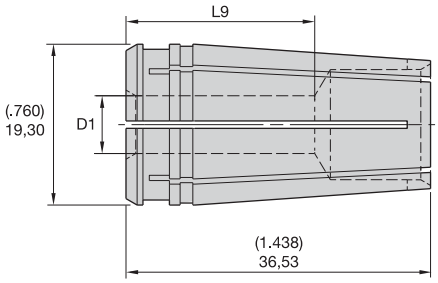
(continued)

(TG50 Series continued)

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max mm	collet capacity min mm	L9
7,5	**50TG075M**	—	—	—	7,50	7,10	29,1
8,0	—	**50TGC080M**	—	—	8,00	7,87	22,9
8,0	—	—	—	**50TGCHP080M**	7,90	7,87	23,0
8,0	**50TG080M**	—	—	—	8,00	7,60	29,3
8,0	—	—	**50TGHP080M**	—	8,00	7,75	29,4
8,5	**50TG085M**	—	—	—	8,50	8,10	29,4
9,0	**50TG090M**	—	—	—	9,00	8,60	29,6
9,5	**50TG095M**	—	—	—	9,50	9,10	29,9
10,0	—	**50TGC100M**	—	—	10,00	9,87	30,0
10,0	—	—	—	**50TGCHP100M**	9,90	9,87	30,0
10,0	—	—	**50TGHP100M**	—	10,00	9,75	30,0
10,0	**50TG100M**	—	—	—	10,00	9,60	30,0
10,5	**50TG105M**	—	—	—	10,50	10,10	30,2
11,0	**50TG110M**	—	—	—	11,00	10,60	30,3
11,5	**50TG115M**	—	—	—	11,50	11,10	30,5
12,0	—	**50TGC120M**	—	—	12,00	11,87	30,3
12,0	**50TG120M**	—	—	—	12,00	11,60	30,6
12,0	—	—	—	**50TGCHP120M**	11,90	11,87	30,6
12,0	—	—	**50TGHP120M**	—	12,00	11,75	30,6
12,5	**50TG125M**	—	—	—	12,50	12,10	30,8
13,0	**50TG130M**	—	—	—	13,00	12,60	30,9
13,5	**50TG135M**	—	—	—	13,50	13,10	36,5

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.
Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 0,13mm (.005") range of collapse.
- 50TG 0,4mm [.016" (1/64)] range of collapse.
- 50TGTGC and 50TGCHP 0,13mm (.005") range of collapse.
- 50TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



ERICKSON™

TG50 Series • Inch

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
3/64	**50TG0047**	—	—	—	.0470	.0313	.465
1/16	**50TG0062**	—	—	—	.0625	.0469	.470
5/64	**50TG0078**	—	—	—	.0780	.0625	.475
3/32	**50TG0094**	—	—	—	.0940	.0781	.710
7/64	**50TG0109**	—	—	—	.1090	.0938	.715
1/8	—	—	**50TGHP0125**	—	.1250	.1150	.719
1/8	**50TG0125**	—	—	—	.1250	.1094	.720
1/8	—	—	—	**50TGCHP0125**	.1250	.1200	.847
9/64	—	**50TGC0141**	—	—	.1406	.1356	.852
9/64	**50TG0141**	—	—	—	.1410	.1250	.725
5/32	**50TG0156**	—	—	—	.1560	.1406	.855
5/32	—	**50TGC0156**	—	—	.1563	.1513	.857

(continued)

(TG50 Series continued)

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
11/64	—	50TGC0172	—	—	.1719	.1669	.861
11/64	50TG0172	—	—	—	.1720	.1563	.860
3/16	—	—	50TGHP0188	—	.1875	.1775	.865
3/16	—	50TGC0188	—	50TGCHP0188	.1875	.1825	.866
3/16	50TG0188	—	—	—	.1880	.1719	.865
13/64	50TG0203	—	—	—	.2030	.1875	.870
13/64	—	50TGC0203	—	—	.2031	.1981	.871
7/32	—	50TGC0219	—	—	.2188	.2138	.876
7/32	50TG0219	—	—	—	.2190	.2031	.875
15/64	50TG0234	—	—	—	.2340	.2188	.880
1/4	—	50TGC0250	—	50TGCHP0250	.2500	.2450	.885
1/4	—	—	50TGHP0250	—	.2500	.2400	1.139
1/4	50TG0250	—	—	—	.2500	.2344	1.139
17/64	—	50TGC0266	—	—	.2656	.2606	.890
17/64	50TG0266	—	—	—	.2660	.2500	1.144
9/32	50TG0281	—	—	—	.2810	.2656	1.148
9/32	—	50TGC0281	—	—	.2813	.2763	.894
19/64	50TG0297	—	—	—	.2970	.2813	1.153
5/16	50TG0312	—	—	—	.3120	.2969	1.158
5/16	—	50TGC0312	—	50TGCHP0312	.3125	.3075	.904
5/16	—	—	50TGHP0312	—	.3125	.3025	1.158
21/64	50TG0328	—	—	—	.3280	.3125	1.163
21/64	—	50TGC0328	—	—	.3281	.3231	.908
11/32	—	50TGC0344	—	—	.3438	.3388	.913
11/32	50TG0344	—	—	—	.3440	.3281	1.167
23/64	50TG0359	—	—	—	.3590	.3438	1.172
23/64	—	50TGC0359	—	—	.3594	.3544	.918
3/8	—	50TGC0375	—	50TGCHP0375	.3750	.3700	.922
3/8	50TG0375	—	—	—	.3750	.3594	1.177
3/8	—	—	50TGHP0375	—	.3750	.3650	1.177
25/64	—	50TGC0391	—	—	.3906	.3856	1.182
25/64	50TG0391	—	—	—	.3910	.3750	1.181
13/32	50TG0406	—	—	—	.4060	.3906	1.186
13/32	—	50TGC0406	—	—	.4063	.4013	1.187
27/64	—	50TGC0422	—	—	.4219	.4169	1.192
27/64	50TG0422	—	—	—	.4220	.4063	1.191
7/16	—	—	50TGHP0438	—	.4375	.4275	1.195
7/16	—	50TGC0438	—	50TGCHP0438	.4375	.4325	1.196
7/16	50TG0438	—	—	—	.4380	.4219	1.196
29/64	50TG0453	—	—	—	.4530	.4375	1.200

(continued)

(TG50 Series continued)

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
29/64	—	**50TGC0453**	—	—	.4531	.4481	1.201
15/32	**50TG0469**	—	—	—	.4680	.4531	1.205
15/32	—	**50TGC0469**	—	—	.4688	.4638	1.206
31/64	**50TG0484**	—	—	—	.4840	.4688	1.209
31/64	—	**50TGC0484**	—	—	.4844	.4794	1.210
1/2	—	—	**50TGHP0500**	—	.5000	.4900	1.214
1/2	**50TG0500**	—	—	—	.5000	.4844	1.214
1/2	—	**50TGC0500**	—	**50TGCHP0500**	.5000	.4950	1.215
33/64	—	**50TGC0516**	—	—	.5156	.5106	1.220
33/64	**50TG0516**	—	—	—	.5160	.5000	1.209
17/32	**50TG0531**	—	—	—	.5310	.5156	1.438
17/32	—	**50TGC0531**	—	—	.5313	.5263	1.438

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.
Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.

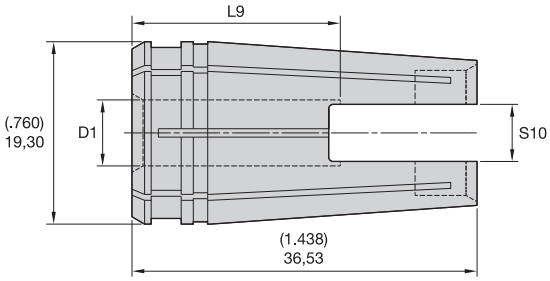
• An economical way to purchase a group of collets.

ERICKSON

TG50 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S50TG1SET	TG50	32	3/16 - 17/64	1/64
S50TG2SET	TG50	15	3/32 - 17/64	1/32

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for tapping applications.
- Slot in back of collets acts as a drive for the tap square.
- Industry-standard Erickson™ single-angle collet system.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.



ERICKSON™

TG50 Solid Tap Collet • Metric DIN and ISO

tap size	50TGST solid tap — non-coolant	collet series	D1	S10	L9
M1 & M1,8 & M3 & M3,5	**50TGST025021M**	TG50	2,5	2,1	17,0
M2,5 & M4	**50TGST028021M**	TG50	2,8	2,1	17,0
M3 & M4	**50TGST032025M**	TG50	3,2	2,5	17,0
M3 & M5	**50TGST035027M**	TG50	3,5	2,7	17,0
M4 & M5	**50TGST040032M**	TG50	4,0	3,2	17,0
M4 & M6	**50TGST045034M**	TG50	4,5	3,4	17,0
M5	**50TGST050040M**	TG50	5,0	4,0	17,0
M5 & M6 & M7 & M8	**50TGST060049M**	TG50	6,0	4,9	17,0
M6	**50TGST063050M**	TG50	6,3	4,9	17,0
M10	**50TGST070055M**	TG50	7,0	5,5	17,0
M7	**50TGST071056M**	TG50	7,1	5,6	17,0
M8	**50TGST080062M**	TG50	8,0	6,2	17,0
M12	**50TGST090070M**	TG50	9,0	7,0	17,0
M10	**50TGST100080M**	TG50	10,0	8,0	17,0
M14	**50TGST110090M**	TG50	11,0	9,0	17,0
M16	**50TGST120090M**	TG50	12,0	9,0	17,0

(continued)

(TG50 Single-Angle Solid Tap Collets continued)

TG50 Solid Tap Collet • Inch/Metric ANSI

tap size mm	tap size in	50TGST solid tap — non-coolant	50TGSTC solid tap — coolant	collet series	D1	S10	L9
M3 & M3,15 & M3,5	#0-#6 & 1/8	**50TGST6**	—	TG50	.141	.110	.775
M4	#8 & 5/32	**50TGST8**	—	TG50	.168	.131	.775
M4,5 & M5	#10 & 3/16	**50TGST10**	—	TG50	.194	.152	.900
—	#12 & 7/32	**50TGST12**	—	TG50	.220	.165	.807
M6 & M6,3	#14 & 1/4	**50TGST025**	**50TGSTC025**	TG50	.255	.191	.838
—	1/16P & 1/8P(SS)	**50TGST006P**	—	TG50	.313	.234	.775
M7 & M8	5/16	**50TGST031**	**50TGSTC031**	TG50	.318	.238	.868
—	7/16	**50TGST043**	**50TGSTC043**	TG50	.323	.242	.963
M12 & M12,5	1/2	**50TGST050**	**50TGSTC050**	TG50	.367	.275	.932
M10	3/8	**50TGST037**	**50TGSTC037**	TG50	.381	.286	.900
M14	9/16	**50TGST056**	**50TGSTC056**	TG50	.429	.322	.937
—	1/8P(LS)	**50TGST012P**	—	TG50	.438	.328	.775
M16	5/8	**50TGST062**	—	TG50	.480	.360	.876

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
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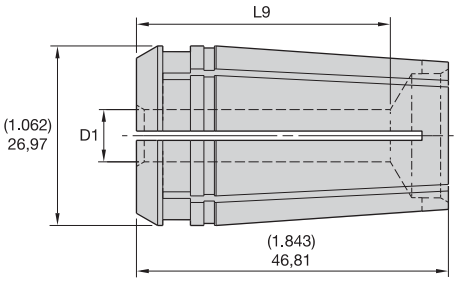
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 75TG 0,4mm [.016" (1/64)] range of collapse.
- 75TGC and 75TGCHP 0,13mm (.005") range of collapse.
- 75TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



ERICKSON™

TG75 Series • Metric

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	collet capacity max mm	collet capacity min mm	L9
3,0	**75TG030M**	—	—	—	3,00	2,60	18,6
3,5	**75TG035M**	—	—	—	3,50	3,10	18,8
4,0	**75TG040M**	—	—	—	4,00	3,60	22,1
4,0	—	—	**75TGHP040M**	—	4,00	3,75	22,1
4,5	**75TG045M**	—	—	—	4,50	4,10	22,3
5,0	**75TG050M**	—	—	—	5,00	4,60	22,5
5,5	**75TG055M**	—	—	—	5,50	5,10	22,6
6,0	—	**75TGC060M**	—	—	6,00	5,87	22,8
6,0	**75TG060M**	—	—	—	6,00	5,60	22,8
6,0	—	—	**75TGHP060M**	—	6,00	5,75	22,8
6,0	—	—	—	**75TGCHP060M**	6,00	5,87	22,8
6,5	**75TG065M**	—	—	—	6,50	6,10	37,7
7,0	**75TG070M**	—	—	—	7,00	6,60	37,8
7,5	**75TG075M**	—	—	—	7,50	7,10	38,0
8,0	—	**75TGC080M**	—	**75TGCHP080M**	8,00	7,87	25,9
8,0	—	—	**75TGHP080M**	—	8,00	7,75	38,1

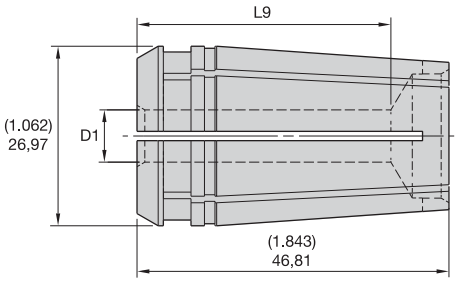
(continued)

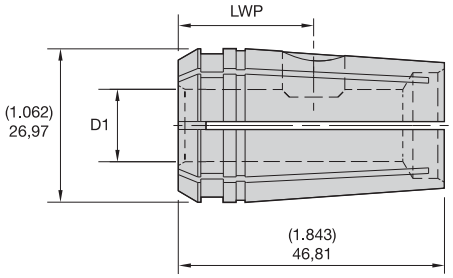
(TG75 Series continued)

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	collet capacity max mm	collet capacity min mm	L9
8,0	**75TG080M**	—	—	—	8,00	7,60	38,1
8,5	**75TG085M**	—	—	—	8,50	8,10	38,3
9,0	**75TG090M**	—	—	—	9,00	8,60	38,4
9,5	**75TG095M**	—	—	—	9,50	9,10	38,6
10,0	—	—	—	**75TGCHP100M**	10,00	9,87	38,7
10,0	—	—	**75TGHP100M**	—	10,00	9,75	38,7
10,0	**75TG100M**	—	—	—	10,00	9,60	38,7
10,0	—	**75TGC100M**	—	—	10,00	9,87	38,7
10,5	**75TG105M**	—	—	—	10,50	10,10	38,8
11,0	**75TG110M**	—	—	—	11,00	10,60	39,0
11,5	**75TG115M**	—	—	—	11,50	11,10	39,1
12,0	—	**75TGC120M**	—	—	12,00	11,87	39,3
12,0	**75TG120M**	—	—	—	12,00	11,60	39,3
12,0	—	—	**75TGHP120M**	—	12,00	11,75	39,3
12,0	—	—	—	**75TGCHP120M**	12,00	11,87	39,3
12,5	**75TG125M**	—	—	—	12,50	12,10	39,4
13,0	**75TG130M**	—	—	—	13,00	12,60	39,6
13,5	**75TG135M**	—	—	—	13,50	13,10	39,7
14,0	—	**75TGC140M**	—	**75TGCHP140M**	14,00	13,87	39,9
14,0	—	—	**75TGHP140M**	—	14,00	13,75	46,8
14,0	**75TG140M**	—	—	—	14,00	13,60	46,8
14,5	**75TG145M**	—	—	—	14,50	14,10	46,8
15,0	**75TG150M**	—	—	—	15,00	14,60	46,8
15,5	**75TG155M**	—	—	—	15,50	15,10	46,8
16,0	—	**75TGC160M**	—	**75TGCHP160M**	16,00	15,87	40,5
16,0	**75TG160M**	—	—	—	16,00	15,60	46,8
16,0	—	—	**75TGHP160M**	—	16,00	15,75	46,8
16,5	**75TG165M**	—	—	—	16,50	16,10	46,8
17,0	**75TG170M**	—	—	—	17,00	16,60	46,8
17,5	**75TG175M**	—	—	—	17,50	17,10	46,8
18,0	—	**75TGC180M**	—	**75TGCHP180M**	18,00	17,87	41,1
18,0	**75TG180M**	—	—	—	18,00	17,60	46,8
18,0	—	—	**75TGHP180M**	—	18,00	17,75	46,8
19,0	**75TG190M**	—	—	—	19,00	18,60	46,8
19,5	**75TG195M**	—	—	—	19,50	19,10	46,8
20,0	**75TG200M**	—	—	—	20,00	19,60	46,8
20,0	—	**75TGC200M**	—	**75TGCHP200M**	20,00	19,87	46,8
20,0	—	—	**75TGHP200M**	—	20,00	19,75	46,8

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.
Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.

- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 75TG and 75TGC 0,4mm [.016" (1/64)] range of collapse.
- 75TGCHP and 75TGNP 0,13mm (.005") range of collapse.
- 75TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.





TG Collet — NP

TG Collet — NP

ERICKSON™

TG75 Series • Inch

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	75TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
1/16	**75TG0062**	—	—	—	—	.0620	.0469	.485	—
5/64	**75TG0078**	—	—	—	—	.0780	.0625	.490	—
3/32	**75TG0094**	—	—	—	—	.0940	.0781	.725	—
7/64	**75TG0109**	—	—	—	—	.1090	.0938	.730	—

(continued)

(TG75 Series continued)

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	75TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
1/8	**75TG0125**	—	—	—	—	.1250	.1094	.735	—
1/8	—	—	**75TGHP0125**	—	—	.1250	.1150	.735	—
9/64	**75TG0141**	—	—	—	—	.1410	.1250	.740	—
5/32	**75TG0156**	—	—	—	—	.1560	.1406	.872	—
11/64	**75TG0172**	—	—	—	—	.1720	.1563	.877	—
3/16	—	—	**75TGHP0188**	—	—	.1875	.1775	.881	—
3/16	**75TG0188**	—	—	—	—	.1880	.1719	.881	—
13/64	**75TG0203**	—	—	—	—	.2030	.1875	.886	—
7/32	**75TG0219**	—	—	—	—	.2190	.2031	.891	—
15/64	**75TG0234**	—	—	—	—	.2340	.2188	.895	—
1/4	—	—	—	**75TGCHP0250**	—	.2500	.2450	1.000	—
1/4	—	**75TGC0250**	—	—	—	.2500	.2450	1.001	—
1/4	—	—	**75TGHP0250**	—	—	.2500	.2400	1.480	—
1/4	**75TG0250**	—	—	—	—	.2500	.2344	1.481	—
17/64	—	**75TGC0266**	—	—	—	.2656	.2606	1.006	—
17/64	**75TG0266**	—	—	—	—	.2660	.2500	1.486	—
9/32	**75TG0281**	—	—	—	—	.2810	.2656	1.490	—
9/32	—	**75TGC0281**	—	—	—	.2813	.2763	1.010	—
19/64	—	**75TGC0297**	—	—	—	.2969	.2919	1.015	—
19/64	**75TG0297**	—	—	—	—	.2970	.2813	1.495	—
5/16	**75TG0312**	—	—	—	—	.3120	.2969	1.500	—
5/16	—	**75TGC0312**	—	—	—	.3125	.3075	1.020	—
5/16	—	—	**75TGHP0312**	—	—	.3125	.3025	1.499	—
21/64	**75TG0328**	—	—	—	—	.3280	.3125	1.505	—
21/64	—	**75TGC0328**	—	—	—	.3281	.3231	1.024	—
11/32	—	**75TGC0344**	—	—	—	.3438	.3281	1.029	—
11/32	**75TG0344**	—	—	—	—	.3440	.3281	1.509	—
23/64	**75TG0359**	—	—	—	—	.3590	.3438	1.514	—
23/64	—	**75TGC0359**	—	—	—	.3594	.3544	1.034	—
3/8	—	—	—	**75TGCHP0375**	—	.3750	.3700	1.038	—
3/8	—	—	**75TGHP0375**	—	—	.3750	.3650	1.518	—
3/8	—	**75TGC0375**	—	—	—	.3750	.3700	1.518	—
3/8	**75TG0375**	—	—	—	—	.3750	.3594	1.519	—
3/8	—	—	—	—	**75TGNP0375**	.3750	—	—	.703
25/64	—	**75TGC0391**	—	—	—	.3906	.3856	1.523	—
25/64	**75TG0391**	—	—	—	—	.3910	.3750	1.521	—
13/32	**75TG0406**	—	—	—	—	.4060	.3906	1.526	—
13/32	—	**75TGC0406**	—	—	—	.4063	.4013	1.528	—
27/64	—	**75TGC0422**	—	—	—	.4219	.4169	1.533	—
27/64	**75TG0422**	—	—	—	—	.4220	.4063	1.531	—
7/16	—	—	**75TGHP0438**	—	—	.4375	.4275	1.535	—
7/16	—	**75TGC0438**	—	**75TGCHP0438**	—	.4375	.4325	1.537	—
7/16	**75TG0438**	—	—	—	—	.4380	.4219	1.536	—
29/64	**75TG0453**	—	—	—	—	.4530	.4375	1.540	—
29/64	—	**75TGC0453**	—	—	—	.4531	.4481	1.542	—
15/32	—	**75TGC0469**	—	—	—	.4688	.4638	1.547	—
15/32	**75TG0469**	—	—	—	—	.4690	.4531	1.545	—
31/64	**75TG0484**	—	—	—	—	.4840	.4688	1.549	—

(continued)

(TG75 Series continued)

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	75TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
31/64	—	75TGC0484	—	—	—	.4844	.4794	1.551	—
1/2	75TG0500	—	—	—	—	.5000	.4844	1.554	—
1/2	—	—	75TGHP0500	—	—	.5000	.4900	1.554	—
1/2	—	75TGC0500	—	75TGCHP0500	—	.5000	.4950	1.556	—
1/2	—	—	—	—	75TGNP0500	.5000	—	—	.828
33/64	75TG0516	—	—	—	—	.5156	.5000	1.559	—
33/64	—	75TGC0516	—	—	—	.5156	.5106	1.561	—
17/32	75TG0531	—	—	—	—	.5310	.5156	1.563	—
17/32	—	75TGC0531	—	—	—	.5313	.5263	1.565	—
35/64	—	75TGC0547	—	—	—	.5469	.5419	1.570	—
35/64	75TG0547	—	—	—	—	.5470	.5313	1.843	—
9/16	75TG0562	—	—	—	—	.5620	.5469	1.843	—
9/16	—	75TGC0562	—	75TGCHP0562	—	.5625	.5575	1.575	—
9/16	—	—	75TGHP0562	—	—	.5625	.5525	1.843	—
37/64	75TG0578	—	—	—	—	.5780	.5625	1.843	—
37/64	—	75TGC0578	—	—	—	.5781	.5731	1.579	—
19/32	—	75TGC0594	—	—	—	.5938	.5888	1.584	—
19/32	75TG0594	—	—	—	—	.5940	.5781	1.843	—
39/64	75TG0609	—	—	—	—	.6090	.5938	1.843	—
39/64	—	75TGC0609	—	—	—	.6094	.6044	1.589	—
5/8	—	75TGC0625	—	75TGCHP0625	—	.6250	.6200	1.594	—
5/8	75TG0625	—	—	—	—	.6250	.6094	1.843	—
5/8	—	—	75TGHP0625	—	—	.6250	.6150	1.843	—
5/8	—	—	—	—	75TGNP0625	.6250	—	—	.859
41/64	—	75TGC0641	—	—	—	.6406	.6356	1.598	—
41/64	75TG0641	—	—	—	—	.6410	.6250	1.843	—
21/32	75TG0656	—	—	—	—	.6560	.6406	1.843	—
21/32	—	75TGC0656	—	—	—	.6563	.6513	1.603	—
43/64	—	75TGC0672	—	—	—	.6719	.6669	1.608	—
43/64	75TG0672	—	—	—	—	.6720	.6563	1.843	—
11/16	—	75TGC0688	—	75TGCHP0688	—	.6875	.6825	1.612	—
11/16	75TG0688	—	—	—	—	.6880	.6719	1.843	—
45/64	75TG0703	—	—	—	—	.7030	.6875	1.843	—
45/64	—	75TGC0703	—	—	—	.7031	.6981	1.617	—
23/32	—	75TGC0719	—	—	—	.7188	.7138	1.622	—
23/32	75TG0719	—	—	—	—	.7190	.7031	1.843	—
47/64	75TG0734	—	—	—	—	.7340	.7188	1.843	—
47/64	—	75TGC0734	—	—	—	.7344	.7294	1.843	—
3/4	—	—	75TGHP0750		—	.7500	.7400	1.843	—
3/4	—	75TGC0750	—	75TGCHP0750	—	.7500	.7450	1.843	—
3/4	75TG0750	—	—	—	—	.7500	.7344	1.843	—
3/4	—	—	—	—	75TGNP0750	.7500	—	—	.922

• An economical way to purchase a group of collets.

TG Collet

ERICKSON

TG75 Collet Set • Inch

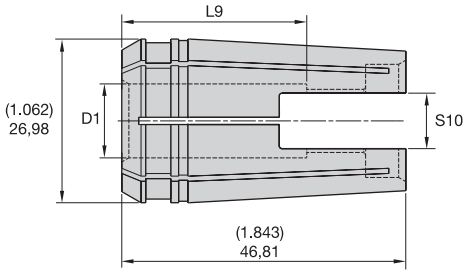
catalog number	series	quantity	dimensional range	incremental division
S75TG1SET	TG75	45	1/16 - 3/4	1/64
S75TG2SET	TG75	23	1/16 - 3/4	1/32
S75TG3SET	TG75	33	1/4 - 3/4	1/64
S75TG4SET	TG75	17	1/4 - 3/4	1/32

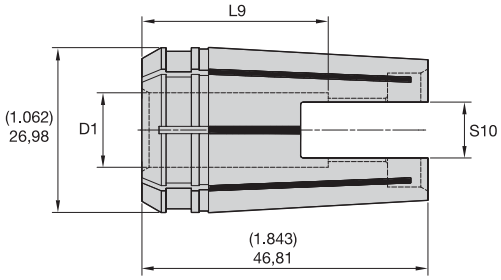
TG Collet — NP

TG75 NP-Out Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S75TGNPSET	TG75	4	3/8 - 3/4	1/8

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 0,13mm (.005") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Slot in back of collets acts as a drive for the tap square.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.





Coolant Type (Bonded)

ERICKSON™

TG75 Solid Tap Collet • Solid Tap Coolant • Inch/Metric ANSI

tap size mm	tap size in	75TGST solid tap	75TGSTC solid tap — coolant	collet series	D1	S10	L9
M3 & M3,15 & M3,5	0-#6 & 1/8	**75TGST6**	—	TG75	.141	.110	.775
M4	8 & 5/32	**75TGST8**	—	TG75	.168	.131	.775
M4,5 & M5	10 & 3/16	**75TGST10**	—	TG75	.194	.152	.900
—	12 & 7/32	**75TGST12**	—	TG75	.220	.165	.807
M6 & M6,3	14 & 1/4	**75TGST025**	**75TGSTC025**	TG75	.255	.191	.838
—	1/16P & 1/8P(SS)	**75TGST006P**	—	TG75	.313	.234	.775
M7 & M8	5/16	**75TGST031**	**75TGSTC031**	TG75	.318	.238	.868
—	7/16	**75TGST043**	**75TGSTC043**	TG75	.323	.242	.963

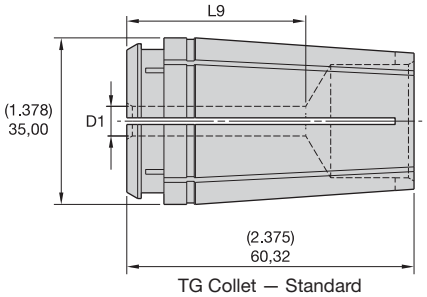
(continued)

(TG75 Single-Angle Solid Tap Collets continued)

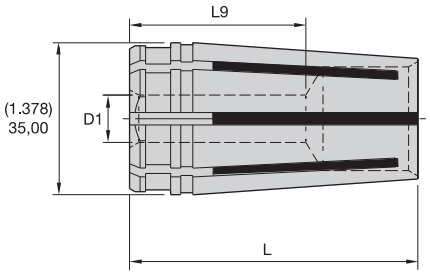
tap size mm	tap size in	75TGST solid tap	75TGSTC solid tap — coolant	collet series	D1	S10	L9
M12 & M12,5	1/2	**75TGST050**	**75TGSTC050**	TG75	.367	.275	.932
M10	3/8	**75TGST037**	**75TGSTC037**	TG75	.381	.286	.900
M14	9/16	**75TGST056**	**—**	TG75	.429	.322	1.087
—	1/8P(LS)	**75TGST012P**	**—**	TG75	.438	.328	.775
M16	5/8	**75TGST062**	**75TGSTC062**	TG75	.480	.360	1.031
M18	11/16	**75TGST068**	**75TGSTC068**	TG75	.542	.406	.968
—	1/4P	**75TGST025P**	**—**	TG75	.563	.421	.775
—	3/4	**75TGST075**	**75TGSTC075**	TG75	.590	.442	.906
M20	13/16	**75TGST081**	**—**	TG75	.652	.489	.906
—	1/2P	**75TGST050P**	**—**	TG75	.688	.515	.775
M22	7/8	**75TGST087**	**75TGSTC087**	TG75	.697	.523	.843
—	3/8P	**75TGST037P**	**—**	TG75	.700	.531	.775

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.

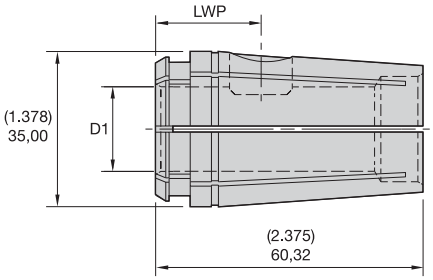
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 100TG 0,4mm [.016" (1/64)] range of collapse.
- 100TGC and 100TGCHP 0,13mm (.005") range of collapse.
- 100TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



TG Collet — Standard



TG Collet — Coolant (Bonded)



TG Collet — NP

ERICKSON™

TG100 Series • Metric

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
3,0	**100TG030M**	—	—	—	—	3,00	2,60	18,2	—
3,5	**100TG035M**	—	—	—	—	3,50	3,10	21,5	—
4,0	**100TG040M**	—	—	—	—	4,00	3,60	21,7	—
4,5	**100TG045M**	—	—	—	—	4,50	4,10	21,8	—
5,0	**100TG050M**	—	—	—	—	5,00	4,60	22,0	—
5,5	**100TG055M**	—	—	—	—	5,50	5,10	22,1	—
6,0	—	**100TGC060M**	—	—	—	6,00	5,87	22,3	—
6,0	**100TG060M**	—	—	—	—	6,00	5,60	22,3	—
6,0	—	—	**100TGHP060M**	—	—	6,00	5,87	22,3	—
6,0	—	—	—	—	**100TGNP060M**	6,00	—	—	16,0

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
6,5	**100TG065M**	—	—	—	—	6,50	6,10	37,6	—
7,0	**100TG070M**	—	—	—	—	7,00	6,60	37,8	—
7,5	**100TG075M**	—	—	—	—	7,50	7,10	37,9	—
8,0	—	**100TGC080M**	—	—	—	8,00	7,87	34,9	—
8,0	**100TG080M**	—	—	—	—	8,00	7,60	38,1	—
8,0	—	—	**100TGHP080M**	—	—	8,00	7,87	38,1	—
8,5	**100TG085M**	—	—	—	—	8,50	8,10	38,2	—
9,0	**100TG090M**	—	—	—	—	9,00	8,60	38,4	—
9,5	**100TG095M**	—	—	—	—	9,50	9,10	38,5	—
10,0	—	**100TGC100M**	—	**100TGCHP100M**	—	10,00	9,87	38,5	—
10,0	—	—	**100TGHP100M**	—	—	10,00	9,87	38,7	—
10,0	**100TG100M**	—	—	—	—	10,00	9,60	38,7	—
10,5	**100TG105M**	—	—	—	—	10,50	10,10	38,8	—
11,5	**100TG115M**	—	—	—	—	11,50	11,10	39,1	—
12,0	—	**100TGC120M**	—	**100TGCHP120M**	—	12,00	11,87	39,1	—
12,0	**100TG120M**	—	—	—	—	12,00	11,60	39,3	—
12,0	—	—	—	—	**100TGNP120M**	12,00	—	—	18,0
12,5	**100TG125M**	—	—	—	—	12,50	12,10	39,4	—
13,0	**100TG130M**	—	—	—	—	13,00	12,60	39,6	—
13,5	**100TG135M**	—	—	—	—	13,50	13,10	39,7	—
14,0	—	—	**100TGHP140M**	—	—	14,00	13,87	39,9	—
14,0	**100TG140M**	—	—	—	—	14,00	13,60	39,9	—
14,0	—	**100TGC140M**	—	**100TGCHP140M**	—	14,00	13,87	43,7	—
14,5	**100TG145M**	—	—	—	—	14,50	14,10	40,0	—
15,0	**100TG150M**	—	—	—	—	15,00	14,60	40,2	—
15,5	**100TG155M**	—	—	—	—	15,50	15,10	40,3	—
16,0	**100TG160M**	—	—	—	—	16,00	15,60	40,5	—
16,0	—	**100TGC160M**	—	**100TGCHP160M**	—	16,00	15,87	44,3	—
16,0	—	—	—	—	**100TGNP160M**	16,00	—	—	20,5
16,5	**100TG165M**	—	—	—	—	16,50	16,10	40,6	—
17,0	**100TG170M**	—	—	—	—	17,00	16,60	40,8	—
17,5	**100TG175M**	—	—	—	—	17,50	17,10	40,9	—
23,0	**100TG230M**	—	—	—	—	23,00	22,60	60,3	—
23,5	**100TG235M**	—	—	—	—	23,50	23,10	60,3	—
24,0	**100TG240M**	—	—	—	—	24,00	23,60	60,3	—
24,5	**100TG245M**	—	—	—	—	24,50	24,10	60,3	—
25,0	—	**100TGC250M**	—	**100TGCHP250M**	—	25,00	24,87	50,0	—
25,0	**100TG250M**	—	—	—	—	25,00	24,60	60,3	—
25,0	—	—	**100TGHP250M**	—		25,00	24,87	60,3	—
25,0	—	—	—	—	**100TGNP250M**	25,00	—	—	22,0
25,5	**100TG255M**	—	—	—	—	25,50	25,10	60,3	—

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
18,0	**100TG180M**	—	—	—	—	18,00	17,60	41,1	—
18,0	—	—	**100TGHP180M**	—	—	18,00	17,87	41,1	—
18,0	—	**100TGC180M**	—	**100TGCHP180M**	—	18,00	17,87	44,9	—
18,5	**100TG185M**	—	—	—	—	18,50	18,10	41,2	—
19,0	**100TG190M**	—	—	—	—	19,00	18,60	41,4	—
19,5	**100TG195M**	—	—	—	—	19,50	19,10	60,3	—
20,0	—	**100TGC200M**	—	**100TGCHP200M**	—	20,00	19,87	48,5	—
20,0	**100TG200M**	—	—	—	—	20,00	19,60	60,3	—
20,0	—	—	**100TGHP200M**	—	—	20,00	19,87	60,3	—
20,0	—	—	—	—	**100TGNP200M**	20,00	—	—	23,0
20,5	**100TG205M**	—	—	—	—	20,50	20,10	60,3	—
21,0	**100TG210M**	—	—	—	—	21,00	20,60	60,3	—
22,0	**100TG220M**	—	—	—	—	22,00	21,60	60,3	—
22,5	**100TG225M**	—	—	—	—	22,50	22,10	60,3	—

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.

ERICKSON™

Count on Kennametal ERICKSON products for consistent, high-quality performance, even in the most challenging environments.

When you buy Kennametal ERICKSON products, you can be sure you're buying the best the industry has to offer. The Kennametal ERICKSON portfolio — including Steep Taper, HSK, and collets and sleeve products — offers high productivity, increased accuracy, and application flexibility unmatched by anyone.

With one of the broadest product offerings in the industry, Kennametal ERICKSON tools can be used in a variety of machining applications ranging from low-speed, heavy-milling jobs to high-speed operations greater than 20,000 RPMs.

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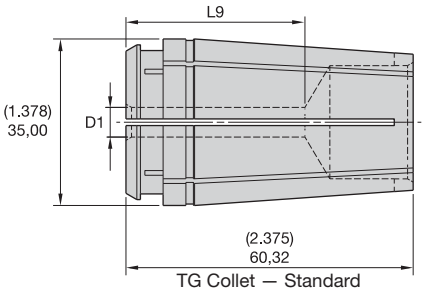
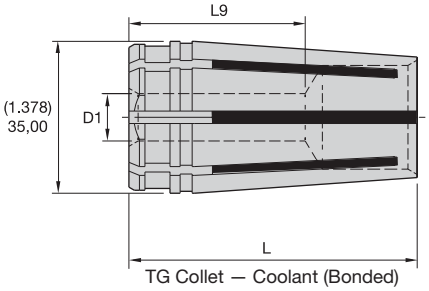
KENNAMETAL®

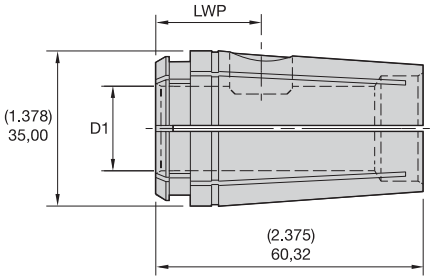
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 100TG 0,4mm [.016" (1/64)] range of collapse.
- 100TGC and 100TGCHP 0,13mm (.005") range of collapse.
- 100TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



TG Collet — Standard



TG Collet — Coolant (Bonded)



TG Collet — NP

TG Collet — NP

ERICKSON™

TG100 Series • Inch

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
3/32	**100TG0094**	—	—	—	—	.0940	.0781	.707	—
7/64	**100TG0109**	—	—	—	—	.1090	.0938	.712	—
1/8	**100TG0125**	—	—	—	—	.1250	.1094	.844	—
1/8	—	—	**100TGHP0125**	—	—	.1250	.1150	.844	—
9/64	**100TG0141**	—	—	—	—	.1410	.1250	.848	—
5/32	**100TG0156**	—	—	—	—	.1563	.1410	.853	—
11/64	**100TG0172**	—	—	—	—	.1720	.1563	.858	—
3/16	—	—	**100TGHP0188**	—	—	.1875	.1775	.862	—
3/16	**100TG0188**	—	—	—	—	.1880	.1719	.862	—
13/64	**100TG0203**	—	—	—	—	.2030	.1875	.867	—

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
7/32	**100TG0219**	—	—	—	—	.2190	.2031	.872	—
15/64	**100TG0234**	—	—	—	—	.2340	.2188	.876	—
1/4	—	**100TGC0250**	—	—	—	.2500	.2450	1.356	—
1/4	—	—	**100TGHP0250**	—	—	.2500	.2400	1.461	—
1/4	**100TG0250**	—	—	—	—	.2500	.2344	1.480	—
17/64	—	**100TGC0266**	—	—	—	.2656	.2606	1.360	—
17/64	**100TG0266**	—	—	—	—	.2660	.2500	1.485	—
9/32	**100TG0281**	—	—	—	—	.2810	.2656	1.489	—
9/32	—	**100TGC0281**	—	—	—	.2813	.2763	1.365	—
19/64	—	**100TGC0297**	—	—	—	.2969	.2919	1.370	—
19/64	**100TG0297**	—	—	—	—	.2970	.2813	1.494	—
5/16	**100TG0312**	—	—	—	—	.3120	.2969	1.499	—
5/16	—	**100TGC0312**	—	—	—	.3125	.3075	1.374	—
5/16	—	—	**100TGHP0312**	—	—	.3125	.3025	1.499	—
21/64	**100TG0328**	—	—	—	—	.3280	.3125	1.503	—
21/64	—	**100TGC0328**	—	—	—	.3281	.3231	1.379	—
11/32	—	**100TGC0344**	—	—	—	.3438	.3388	1.384	—
11/32	**100TG0344**	—	—	—	—	.3440	.3281	1.508	—
23/64	**100TG0359**	—	—	—	—	.3590	.3438	1.513	—
23/64	—	**100TGC0359**	—	—	—	.3594	.3544	1.388	—
3/8	—	**100TGC0375**	—	—	—	.3750	.3700	1.393	—
3/8	—	—	—	**100TGCHP0375**	—	.3750	.3700	1.511	—
3/8	—	—	**100TGHP0375**	—	—	.3750	.3650	1.518	—
3/8	**100TG0375**	—	—	—	—	.3750	.3594	1.518	—
3/8	—	—	—	—	**100TGNP0375**	.3750	—	—	.703
25/64	—	**100TGC0391**	—	—	—	.3906	.3856	1.516	—
25/64	**100TG0391**	—	—	—	—	.3910	.3750	1.522	—
13/32	**100TG0406**	—	—	—	—	.4060	.3906	1.527	—
13/32	—	**100TGC0406**	—	—	—	.4063	.4013	1.520	—
27/64	—	**100TGC0422**	—	—	—	.4219	.4169	1.525	—
27/64	**100TG0422**	—	—	—	—	.4220	.4063	1.532	—
7/16	—	**100TGC0438**	—	**100TGCHP0438**	—	.4375	.4325	1.530	—
7/16	—	—	**100TGHP0438**	—	—	.4375	.4275	1.536	—
7/16	**100TG0438**	—	—	—	—	.4380	.4219	1.536	—
29/64	**100TG0453**	—	—	—	—	.4530	.4375	1.541	—
29/64	—	**100TGC0453**	—	—	—	.4531	.4481	1.534	—
15/32	—	**100TGC0469**	—	—	—	.4688	.4638	1.539	—
15/32	**100TG0469**	—	—	—	—	.4690	.4531	1.546	—
31/64	**100TG0484**	—	—	—	—	.4840	.4688	1.550	—
31/64	—	**100TGC0484**	—	—	—	.4844	.4794	1.544	—
1/2	—	**100TGC0500**	—	**100TGCHP0500**	—	.5000	.4950	1.549	—
1/2	—	—	**100TGHP0500**	—	—	.5000	.4900	1.555	—
1/2	**100TG0500**	—	—	—	—	.5000	.4844	1.555	—
1/2	—	—	—	—	**100TGNP0500**	.5000	—	—	.828

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
33/64	—	100TGC0516	—	—	—	.5156	.5106	1.553	—
33/64	100TG0516	—	—	—	—	.5160	.5000	1.560	—
17/32	100TG0531	—	—	—	—	.5310	.5156	1.564	—
17/32	—	100TGC0531	—	—	—	.5313	.5263	1.558	—
35/64	—	100TGC0547	—	—	—	.5469	.5419	1.720	—
35/64	100TG0547	—	—	—	—	.5470	.5313	1.569	—
9/16	100TG0562	—	—	—	—	.5620	.5469	1.574	—
9/16	—	—	100TGHP0562	—	—	.5625	.5525	1.574	—
9/16	—	100TGC0562	—	100TGCHP0562	—	.5625	.5575	1.724	—
37/64	100TG0578	—	—	—	—	.5780	.5625	1.579	—
37/64	—	100TGC0578	—	—	—	.5781	.5731	1.729	—
19/32	—	100TGC0594	—	—	—	.5938	.5888	1.734	—
19/32	100TG0594	—	—	—	—	.5940	.5781	1.583	—
39/64	100TG0609	—	—	—	—	.6090	.5938	1.588	—
39/64	—	100TGC0609	—	—	—	.6094	.6044	1.738	—
5/8	100TG0625	—	—	—	—	.6250	.6094	1.593	—
5/8	—	—	100TGHP0625	—	—	.6250	.6150	1.593	—
5/8	—	100TGC0625	—	100TGCHP0625	—	.6250	.6200	1.743	—
5/8	—	—	—	—	100TGNP0625	.6250	—	—	.875
41/64	—	100TGC0641	—	—	—	.6406	.6356	1.748	—
41/64	100TG0641	—	—	—	—	.6410	.6250	1.597	—
21/32	100TG0656	—	—	—	—	.6560	.6406	1.602	—
21/32	—	100TGC0656	—	—	—	.6563	.6513	1.752	—
43/64	—	100TGC0672	—	—	—	.6719	.6669	1.757	—
43/64	100TG0672	—	—	—	—	.6720	.6563	1.607	—
11/16	—	—	100TGHP0688	—	—	.6875	.6775	1.612	—
11/16	—	100TGC0688	—	100TGCHP0688	—	.6875	.6825	1.762	—
11/16	100TG0688	—	—	—	—	.6880	.6719	1.612	—
45/64	100TG0703	—	—	—	—	.7030	.6875	1.612	—
45/64	—	100TGC0703	—	—	—	.7031	.6981	1.767	—
23/32	—	100TGC0719	—	—	—	.7188	.7138	1.771	—
23/32	100TG0719	—	—	—	—	.7190	.7031	1.621	—
47/64	100TG0734	—	—	—	—	.7340	.7188	1.625	—
47/64	—	100TGC0734	—	—	—	.7344	.7294	1.776	—
3/4	100TG0750	—	—	—	—	.7500	.7348	1.630	—
3/4	—	—	100TGHP0750	—	—	.7500	.7400	1.630	—
3/4	—	100TGC0750	—	100TGCHP0750	—	.7500	.7450	1.781	—
3/4	—	—	—	—	100TGNP0750	.7500	—	—	.938
49/64	—	100TGC0766	—	—	—	.7656	.7606	1.904	—
49/64	100TG0766	—	—	—	—	.7660	.7500	2.375	—
25/32	100TG0781	—	—	—	—	.7810	.7656	2.375	—
25/32	—	100TGC0781	—	—	—	.7813	.7763	1.908	—
51/64	—	100TGC0797	—	—	—	.7969	.7919	1.913	—
51/64	100TG0797	—	—	—	—	.7970	.7813	2.375	—
13/16	100TG0812	—	—	—	—	.8120	.7969	2.375	—
13/16	—	100TGC0812	—	—	—	.8125	.8075	1.917	—

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
53/64	**100TG0828**	—	—	—	—	.8280	.8125	2.375	—
53/64	—	**100TGC0828**	—	—	—	.8281	.8231	1.922	—
27/32	—	**100TGC0844**	—	—	—	.8438	.8388	1.927	—
27/32	**100TG0844**	—	—	—	—	.8440	.8281	2.375	—
55/64	**100TG0859**	—	—	—	—	.8590	.8438	2.375	—
7/8	—	**100TGC0875**	—	**100TGCHP0875**	—	.8750	.8700	1.936	—
7/8	—	—	**100TGHP0875**	—	—	.8750	.8650	2.375	—
7/8	**100TG0875**	—	—	—	—	.8750	.8594	2.375	—
7/8	—	—	—	—	**100TGNP0875**	.8750	—	2.375	.938
57/64	—	**100TGC0891**	—	—	—	.8906	.8856	1.941	—
57/64	**100TG0891**	—	—	—	—	.8910	.8750	2.375	—
29/32	**100TG0906**	—	—	—	—	.9060	.8906	2.375	—
29/32	—	**100TGC0906**	—	—	—	.9063	.9013	1.946	—
59/64	—	**100TGC0922**	—	—	—	.9219	.9169	1.950	—
59/64	**100TG0922**	—	—	—	—	.9220	.9063	2.375	—
15/16	—	**100TGC0938**	—	—	—	.9375	.9325	1.955	—
15/16	**100TG0938**	—	—	—	—	.9380	.9219	2.375	—
61/64	**100TG0953**	—	—	—	—	.9530	.9375	2.375	—
61/64	—	**100TGC0953**	—	—	—	.9531	.9481	1.960	—
31/32	—	**100TGC0969**	—	—	—	.9688	.9638	1.964	—
31/32	**100TG0969**	—	—	—	—	.9690	.9531	2.375	—
63/64	**100TG0984**	—	—	—	—	.9840	.9688	2.375	—
63/64	—	**100TGC0984**	—	—	—	.9844	.9794	1.969	—
1	**100TG1000**	—	—	—	—	1.0000	.9844	2.375	—
1	—	**100TGC1000**	—	**100TGCHP1000**	—	1.0000	.9950	2.375	—
1	—	—	**100TGHP1000**	—	—	1.0000	.9900	2.375	—
1	—	—	—	—	**100TGNP1000**	1.0000	—	—	.938

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.

- An economical way to purchase a group of collets.

TG Collet

ERICKSON

TG100 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S100TG1SET	TG100	59	3/32-1	1/64
S100TG2SET	TG100	30	3/32 - 1	1/32
S100TG3SET	TG100	41	3/8 - 1	1/64
S100TG4SET	TG100	21	3/8 - 1	1/32

TG Collet — NP

TG100 NP-Out Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S100TGNPSET	TG100	6	3/8-1	1/8

KenFeed™ Mini

Small High-Feed Milling Cutter for Machining Small and Medium Components

Roughing operations through the latest milling strategies up to 55 HRC. Specially suited for small parts or machines with lower power capacity. The KenFeed Mini delivers higher productivity with reduced tooling costs.

- Able to machine many materials and applications.
- Higher feed rates and/or HSM capabilities.
- Grade/geometry selection offers the best performance, even in hardened steel, stainless steel, and titanium materials.
- Improved tool life and MRR. Able to machine deep cavities with higher performance.

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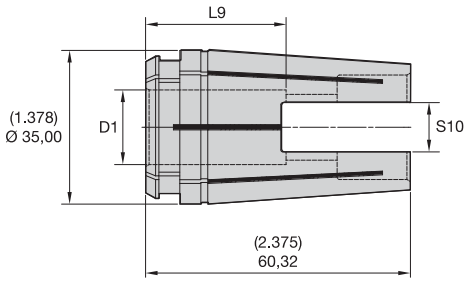
KENNAMETAL®

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for tapping applications.
- Slot in back of collets acts as a drive for the tap square.
- Industry-standard Erickson™ single-angle collet system.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.



ERICKSON™

TG100 Solid Tap Collet • Metric DIN and ISO

tap size	catalog number	collet series	D1	S10	L9
M9 & M12	**100TGST090071M**	TG100	9,0	7,1	30,0
M10	**100TGST100080M**	TG100	10,0	8,0	30,0
M14	**100TGST110090M**	TG100	11,0	9,0	30,0
M16	**100TGST120090M**	TG100	12,0	9,0	30,0
M18	**100TGST140110M**	TG100	14,0	11,0	30,0
M20	**100TGST160120M**	TG100	16,0	12,0	30,0
M22 & M24	**100TGST180145M**	TG100	18,0	14,5	30,0

TG100 Solid Tap Collet • Solid Tap Coolant • Inch/Metric ANSI

tap size mm	tap size in	100TGST solid tap	100TGSTC solid tap — coolant	collet series	D1	S10	L9
M3 & M3,15 & M3,5	#0-#6 & 1/8	**100TGST6**	—	TG100	.141	.110	.141
M4	#8 & 5/32	**100TGST8**	—	TG100	.168	.131	.168
M4,5 & M5	#10 & 3/16	**100TGST10**	—	TG100	.194	.152	.194
—	#12 & 7/32	**100TGST12**	—	TG100	.220	.165	.220
M6 & M6,3	#14 & 1/4	**100TGST025**	—	TG100	.255	.191	.812
—	1/16P & 1/8P(SS)	**100TGST006P**	—	TG100	.313	.234	.812
M7 & M8	5/16	**100TGST031**	**100TGSTC031**	TG100	.318	.238	.868
—	7/16	**100TGST043**	**100TGSTC043**	TG100	.323	.242	.963
M12 & M12,5	1/2	**100TGST050**	**100TGSTC050**	TG100	.367	.275	.932
M10	3/8	**100TGST037**	**100TGSTC037**	TG100	.381	.286	.900
M14	9/16	**100TGST056**	—	TG100	.429	.322	1.087
—	1/8P(LS)	**100TGST012P**	—	TG100	.438	.328	.812
M16	5/8	**100TGST062**	**100TGSTC062**	TG100	.480	.360	1.087
M18	11/16	**100TGST068**	—	TG100	.542	.406	1.244

(continued)

(TG100 Single-Angle Solid Tap Collets continued)

tap size mm	tap size in	100TGST solid tap	100TGSTC solid tap — coolant	collet series	D1	S10	L9
—	1/4P	**100TGST025P**	—	TG100	.563	.421	.812
—	3/4	**100TGST075**	**100TGSTC075**	TG100	.590	.442	1.213
M20	13/16	**100TGST081**	—	TG100	.652	.489	.652
—	1/2P	**100TGST050P**	—	TG100	.688	.515	.812
M22	7/8	**100TGST087**	—	TG100	.697	.523	.697
M22	7/8	—	**100TGSTC087**	TG100	.697	.523	1.369
—	3/8P	**100TGST037P**	—	TG100	.700	.531	.812
M24	15/16	**100TGST094**	—	TG100	.760	.570	.760
M25	1	—	**100TGSTC100**	TG100	.800	.600	1.313
M25	1	**100TGST100**	—	TG100	.800	.600	.800
M27	1 1/16 & 1 1/8	**100TGST112**	—	TG100	.896	.672	.896
—	3/4P	**100TGST075P**	—	TG100	.906	.679	.812

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.