**FULL THREADED BARS****STANDARDS:**

ASTM/ASMS/BS/DIN/BS EN ISO/JIS

MATERIAL:

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel

FINISH AVAILABLE :

Plain, Electro-Galvanized, Hot Dip Galvanized, Zinc Flake, Yellow, Cadmium & Nickel.

SIZE RANGE:

M6 to M100 in Metric Series

1/4" to 4" in Imperial

THREADS:

UNC, 8UN, UNF, Metric Coarse and Metric Fine

TYPICAL GRADES & STANDARDS:

ASTM A193 Grade B7, B7M, B8, B8M & B16

ASTM A320 Grade L7 & L7M

Stainless Steel 304,304L, 326, 316L, A2-70/80, A4-70/80

BS 3692/BS 4190 Grade 4.6, 4.8, 5.6, 5.8, 8.8

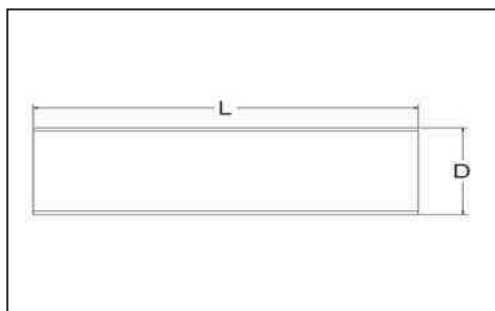
Any other specific grade can be manufactured upon request with short lead times.

ORDERING INFORMATION:

Dimensions - Dia and Length

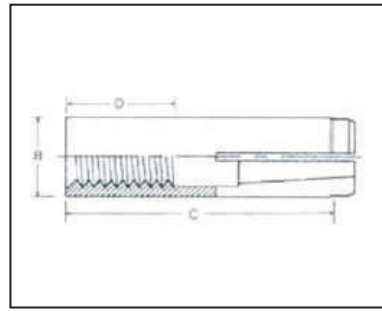
Standard and Grade

APPLICATION EXAMPLES:

**Steel ThreadedRod****ANSI B.1.1/BS4882****Material To ASMT****A193-B7/B7M/B16/B8 & B8M****Steel Threaded****Rod to DIN 975****Material To ASMT****A193M-B7/B7M/B16/B8 & B8M**

PRODUCT CODE	DIA(D)	THREAD PER INCH
TGTR00UE01400	1/4"UNC	20
TGTR00UE51600	5/16"UNC	18
TGTR00UE03800	3/8"UNC	16
TGTR00UE71600	7/16"UNC	14
TGTR00UE01200	1/2"UNC	13
TGTR00UE91600	9/16"UNC	12
TGTR00UE05800	5/8"UNC	11
TGTR00UE03400	3/4"UNC	10
TGTR00UE07800	7/8"UNC	9
TGTR00UE00100	1"UNC	8
TGTR00UE11800	1.1/8"UNC	7
TGTR00UE11800	1.1/8"UNC	8
TGTR00UE11400	1.1/4"UNC	7
TGTR00UE11400	1.1/4"UNC	8
TGTR00UE13800	1.3/8"UNC	6
TGTR00UE13800	1.3/8"UNC	8
TGTR00UE12200	1.2/2"UNC	6
TGTR00UE12200	1.2/2"UNC	8
TGTR00UE15800	1.5/8"UNC	8
TGTR00UE13400	1.3/4"UNC	8
TGTR00UE17800	1.7/8"UNC	8
TGTR00UE00200	2"UNC	8
TGTR00UE21400	2.1/4"UNC	8
TGTR00UE21200	2.1/2"UNC	8
TGTR00UE23400	2.3/4"UNC	8
TGTR00UE00300	3"UNC	8

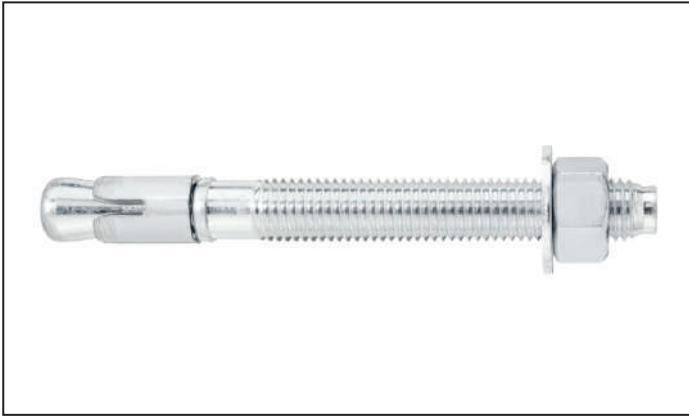
PRODUCT CODE	DIA(D)	THREAD PITCH (mm)
TGTR00ME00600	M6	1
TGTR00ME00800	M8	1.25
TGTR00ME01000	M10	1.5
TGTR00ME01200	M12	1.75
TGTR00ME01400	M14	2
TGTR00ME01600	M16	2
TGTR00ME01800	M18	2.5
TGTR00ME02000	M20	2.5
TGTR00ME02200	M22	2.5
TGTR00ME02400	M24	3
TGTR00ME02700	M27	3
TGTR00ME03000	M30	3.5
TGTR00ME03300	M33	3.5
TGTR00ME03600	M36	4
TGTR00ME03900	M39	4
TGTR00ME04200	M42	4.5
TGTR00ME04500	M45	4.5
TGTR00ME04800	M48	5
TGTR00ME05200	M52	5
TGTR00ME05600	M56	5.5
TGTR00ME06400	M64	6
TGTR00ME07200	M72	6



PRODUCT CODE	SIZE	DRILL BIT (B)	ANCHOR LENGTH (C)	THREAD LENGTH (D)
TGDPA000E0830	M8	10	30	13
TGDPA000E1040	M10	12	40	16
TGDPA000E1250	M12	16	50	21
TGDPA000E1665	M16	20	65	30
TGDPA000E2080	M20	25	80	30



PRODUCT CODE	SIZE	SHIELD LENGTH	HOLE DIAMETER	LENGTH OF ANCHOR
TGDWA00E00650	M6	45	12	50
TGDWA00E00860	M8	50	14	60
TGDWA00E01070	M10	60	16	70
TGDWA00E01290	M12	75	20	90
TGDWA00E16120	M16	115	25	120



PRODUCT CODE

SIZE

TGWDA00E00650

M6

TGWDA00E00875

M8

TGWDA00E10100

M10

TGWDA00E12120

M12

TGWDA00E16150

M16

TGWDA00E20200

M20

TGWDA00E24300

M24

	Measure	M6	M8	M10	M12	M16	M20	M24
Thread Diameter	mm	6	8	10	12	16	20	24
Drill Hole Diameter	mm	6	8	10	12	16	20	24
Clearance Hole Diameter	mm	7	9	12	14	18	22	26
Embedment Depth	mm	35	40	50	60	70	100	120
Minimum Structure Thickness	mm	50	60	80	100	110	130	180
Ultimate Tensile Strength	N/mm ²	500	500	500	500	400	400	400
Yield Strength	N/mm ²	400	400	400	400	240	240	240
Recommended Tightening Torque	Nm	6	10	28	34	85	160	300
Characteristic Tensile Load	kN	5.4	8.4	12.9	20.4	24	32.4	57.6
Recommended Tensile Load	kN	1.8	2.8	4.3	6.8	8	10.8	26.2
Characteristic Shear Load	kN	5.8	8	14.5	18	26	35	74
Recommended Shear Load	kN	2.3	3.2	5.8	7.2	10.4	14	49.3
Minimum Centre Spacing	mm	70	80	100	120	140	200	240
Minimum Edge Distance	mm	50	60	80	100	130	160	200