

THREADED ROD
CLASS 8.8 METRIC



APPLICATION

Bremick® Threaded Rod Metric Class 8.8 is designed for industrial and construction applications where high tensile superior performance is required



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 8.8
Thread Form:	Metric 6g
Finish:	Hot Dipped Galvanised
Standard:	Complies to DIN 976-1:2016
Mechanical Properties:	Complies to ISO 898.1:2013
Chemical Composition:	Complies to ISO 898.1:2013

MARKING

End View

Property Class — 8.8

Colour Code: Yellow —

In some cases, small diameters may be marked by the digit 8

MECHANICAL PROPERTIES

PROPERTIES	TENSILE STRENGTH (MPa)	STRESS UNDER PROOF LOAD (MPa)	HARDNESS					
	MIN	NOM.	VICKERS (HV)		BRINELL (HBW)		ROCKWELL (HRC)	
CLASS 8.8 ≤ M16	800	580	250	320	245	316	22	32
CLASS 8.8 >M16	830	600	255	335	250	331	23	34

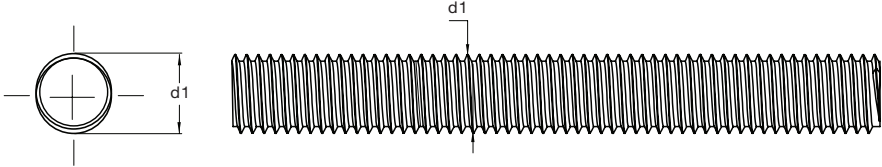
CHEMICAL COMPOSITION (%)

MATERIAL	C		P	S	B	TEMPERING TEMPERATURE °C
	MIN	MAX	MAX	MAX	MAX	MIN
CARBON STEEL	0.25	0.55	0.025	0.025	0.003	425

FINISH INFORMATION

HOT DIPPED GALVANISED		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Hot Dipped Galvanised is a process of dipping a steel object into a molten bath of zinc (455° - 480°C). The molten zinc adheres to the anchor surface covering all the corners and edges.	Bremick® Hot Dipped Galvanised Coating provides a moderate/high level of corrosion protection and is recommended for damp external application. Bremick® Hot Dipped Galvanising complies with AS/NZS 1214.	Moderate/High.

DIMENSIONAL DATA (mm)



DIAMETER (mm)	PITCH	MAJOR DIAMETER (d1)	
		MIN	MAX
M5	0.80	4.826	4.976
M6	1.00	5.794	5.974
M8	1.25	7.760	7.927
M10	1.50	9.732	9.968
M12	1.75	11.701	11.966
M14	2.00	13.682	13.962
M16	2.00	15.682	15.962
M20	2.50	19.632	19.958
M24	3.00	23.577	23.952
M27	3.00	26.577	26.952
M30	3.50	29.522	29.947
M33	3.50	32.522	32.947
M36	4.00	35.465	35.940
M42	4.50	41.437	41.937
M48	5.00	47.399	47.929

LENGTH (mm)

NOMINAL	1000 (1m)	2440 (2.44m)	2570 (2.57m)	2700 (2.7m)	3000 (3m)	3600 (3.6m)
MIN	995.5	2432.5	2562.5	2692.5	2989.5	3589.5
MAX	1004.5	2447.5	2577.5	2707.5	3010.5	3610.5

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