

HEX COUPLING NUT CLASS 5 METRIC



**HOT DIPPED
GALVANISED**

APPLICATION

Bremick® Hex Coupling Nuts are designed to connect two threaded components together. Applications include joining of thread rod to form longer lengths or connecting to cast in threaded component

PRODUCT ATTRIBUTES

Material Class: Mild Steel Class 5

Thread Form: Metric 6H

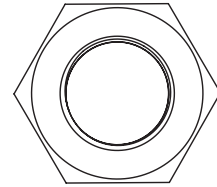
Finish: Hot Dipped Galvanised

Standard: Complies to Bremick Specification

Mechanical Properties: Complies to ISO 898.2:2013

Chemical Composition: Complies to ISO 898.2:2013

MARKING



Some nuts exist without permanent marking

MECHANICAL PROPERTIES

DIAMETER (mm)			M6	M8	M10	M12	M16	M20	M24
MIN PROOF LOAD (kN)	MIN		11700	21600	34200	51400	95800	154400	222400
STRESS UNDER PROOF LOAD (MPa)	MIN		585	605		610		640	
HARDNESS	VICKERS (HV)	RANGE	130 - 334					146 - 334	

CHEMICAL COMPOSITION (%)

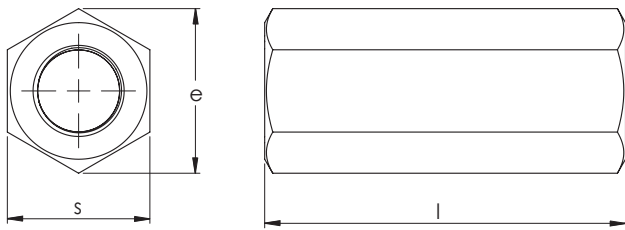
MATERIAL	C		Mn	P	S	TEMPERING TEMPERATURE °C
	MIN	MAX	MIN	MAX	MAX	MIN
CARBON STEEL	0.06	0.58	0.25	0.060	0.150	-

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)



PART	DIAMETER	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)		LENGTH (l)	
			MIN	MAX	MIN		MIN	MAX
NHCMG100402	M10	1.50	16.73	17	17.77		39	40
NHCMG120402	M12	1.75	18.57	19	20.03		39	40
NHCMG160502	M16	2.00	23.16	24	26.75		49	50
NHCMG200502	M20	2.50	29.16	30	32.95		49	50
NHCMG240502	M24	3.00	35.00	36	39.55		49	50

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M10	M12	M16	M20	M24
SPANNER SIZE	17	19	24	30	36

NOTE: Minimum thread engagement should equal 1 x diameter