

HEX COUPLING NUT CLASS 5 METRIC



**ZINC
YELLOW**

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: Zinc Yellow Passivate

Standard: Complies to Bremick Specification

Mechanical Properties: Complies to ISO 898.2:2013

Chemical Composition: Complies to ISO 898.2:2013

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 (%)

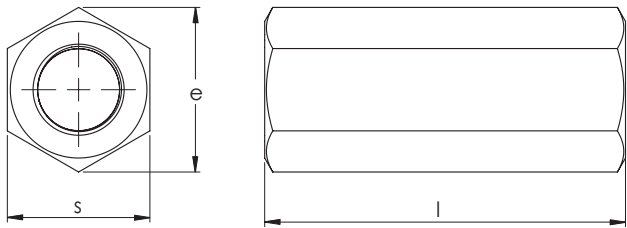
MATERIAL	C		Mn	P	S	TEMPERING TEMPERATURE °C
	MIN	MAX	MIN	MAX	MAX	MIN
CARBON STEEL	0.06	0.58	0.25	0.060	0.150	-

FINISH INFORMATION

ZINC YELLOW PASSIVATE

DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Zinc Yellow Passivate is a process of depositing a thin layer of zinc onto the surface of a steel object through electroplating. The steel object is then passivated with a yellow conversion layer.	Bremick® Zinc Yellow Passivate Coating provides a low level of corrosion protection and is recommended for dry internal application. Bremick® Zinc Yellow Passivation complies with AS1789.	Low.

DIMENSIONAL DATA (mm)



PART	DIAMETER	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)		LENGTH (l)	
			MIN	MAX	MIN		MIN	MAX
NHCMZ060252	M6	1.00	9.78	10.00	11.05		24.50	25.00
NHCMZ080252	M8	1.25	12.73	13.00	14.38		24.50	25.00
NHCMZ100402	M10	1.50	16.73	17.00	17.77		39.00	40.00
NHCMZ120402	M12	1.75	18.57	19.00	20.03		39.00	40.00
NHCMZ160502	M16	2.00	23.16	24.00	26.75		49.00	50.00
NHCMZ200502	M20	2.50	29.16	30.00	32.95		49.00	50.00
NHCMZ240502	M24	3.00	35.00	36.00	39.55		49.00	50.00

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M6	M8	M10	M12	M16	M20	M24
SPANNER SIZE	10	13	17	19	24	30	36

NOTE: Minimum thread engagement should equal 1 x diameter