

PRODUCT DATA

Hex Coupler - 316 Stainless

Connection of 2 male threads - most commonly threaded rod

Mechanical Properties

Mechanical properties as per ISO3506: 2009 Class 50 (A4-50)

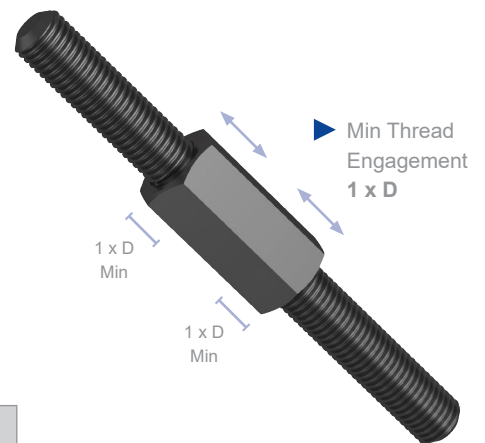
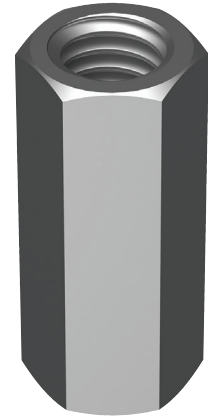
Testing completed at an ambient range of 10-35° C.
Mechanical properties are subject to variation outside this range.

ISO3506-2 - Table 2

Stress under proof load : 500 Mpa

Thread Engagement:

To achieve the required mechanical properties as stated in ISO 3506 Class 50 thread engagement must be minimum 1 x Diameter of the male threads being connected. The length of the coupler (3 x D) allows for adjustment at each end.



Chemical Composition as per ISO3506.2 - Table 2 (A4)

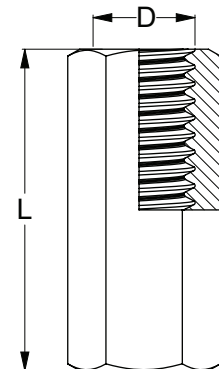
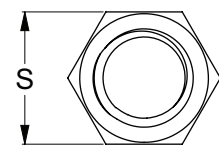
Material

316

AISI 316/A4 - 50



Part	Thread D	Pitch	Spanner Size S	Length L	Nominal Stress Area of Engaged Male Thread	Proof Load
	(mm)	(mm)	(mm)	(mm)	(mm ²)	(kN)
AXHC16PCM06	M6	1.00	10	18.0	20.1	10.1
AXHC16PCM08	M8	1.25	13	24.0	36.6	18.3
AXHC16PCM10	M10	1.50	17	30.0	58.0	29.0
AXHC16PCM12	M12	1.75	19	36.0	84.3	42.1
AXHC16PCM16	M16	2.00	24	50.0	157.0	78.3
AXHC16PCM20	M20	2.50	30	60.0	245.0	122.4
AXHC16PCM24	M24	3.00	36	72.0	353.0	176.3
AXHC16PCM30	M30	3.50	46	90.0	561.0	280.3
AXHC16PCM36	M36	4.00	55	108.0	817.0	408.4



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