

AlphaRod® X-TorqueCoupling

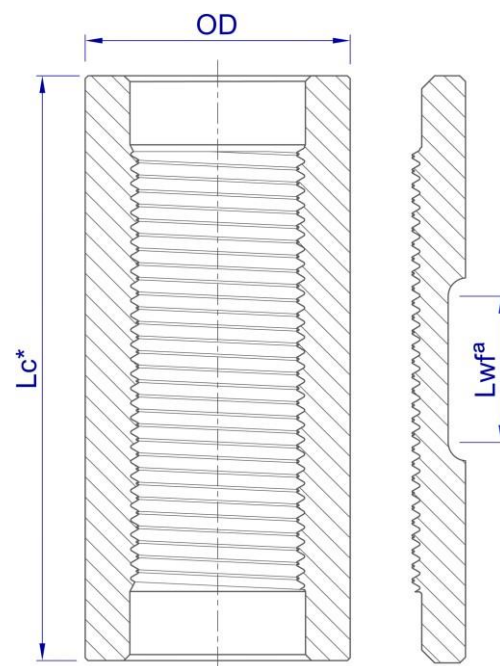
Dimensions:

Full Size:

Nominal Size	Units	OD	Lc* (min)	Lwfa	Weight
7/8"	in	1.811	4	1.252	1.72 lb (0.78 kg)
	mm	46	101.6	31.8	
1"	in	2.189	4	1.5	2.67 lb (1.21 kg)
	mm	55.6	101.6	38.1	
1 1/8"	in	2.375	4.5	1.5	3.29 lb (1.49 kg)
	mm	60.3	114.3	38.1	

Slim Hole:

Nominal Size	Units	OD	Lc* (min)	Lwfa	Weight
7/8"	in	1.626	4	-	1.14lb (0.52kg)
	mm	41.3	101.6	-	
1"	in	2	4	-	1.95 lb (0.88 kg)
	mm	50.8	101.6	-	
1 1/8"	in	2.258	4.5	-	2.74 lb (1.24 kg)
	mm	57.3	114.3	-	



*Other lengths might be available
^aWrench flats optional.

Steel Grades:

Chemical Composition:

Typical chemical compositions (wt%) listed in the following table.

Grade	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Mo (%)	Other (%)
AlphaRod®CS	0.23	0.55	0.25	0.01 max	0.01 max	0.95	0.30 max	0.70	B: 0.01 max, Ti: 0.1 max, Nb: 0.1 max
AlphaRod®HS	0.23	0.55	0.25	0.01 max	0.01 max	0.95	0.30 max	0.70	B: 0.01 max, Ti: 0.1 max, Nb: 0.1 max

Mechanical Properties:

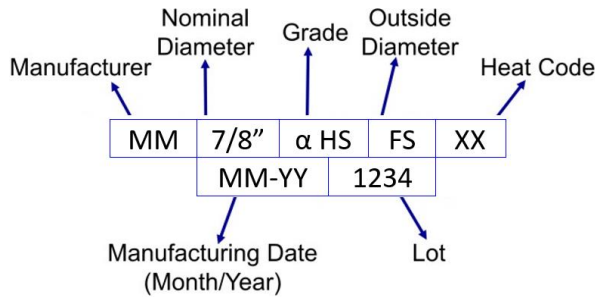
Mechanical properties are listed in the following table.

Grade	Yield Strength (0.2% offset)	Ultimate Tensile Stress	Hardness
AlphaRod® CS	Min 90 kpsi (Min 621 MPa)	100 to 130 kpsi (689 to 896 MPa)	20-28 HRC
AlphaRod® HS	Min 110 kpsi (Min 758 MPa)	125 to 155 kpsi (862 to 1069 MPa)	28-36 HRC

Other Technical Data:

Specially designed to improve torque performance.



Marking:



Non Destructive Testing:

All raw material is carefully inspected using electromagnetic and/or ultrasonic methods to ensure the soundness of the final product.

Labeling:*

		Metalmecánica S.A. Ruta 55 Km. 754,1 Villa Mercedes (San Luis) Made in Argentina	
		BOX N° 60000006	
PRODUCT:			
SPECIFICATION:			
QTY:	DATE:		
DIAM 1: (in)	DIAM 2: (in)		
CLASS:	TYPE:		
CLIENT:			
SALES ORDER:			
DESTINATION:			NET WEIGHT: (kg)

*Image for reference only

Ordering Information:

When placing an order please attach the following information:

PDS: SRCXTAR
Coupling Type: Coupling

Nominal dimension: 1"
Size: Slim Hole
Grade: AlphaRod® HS

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