

## AlphaRod® X-Torque Coupling

### Dimensions:

#### Full Size:

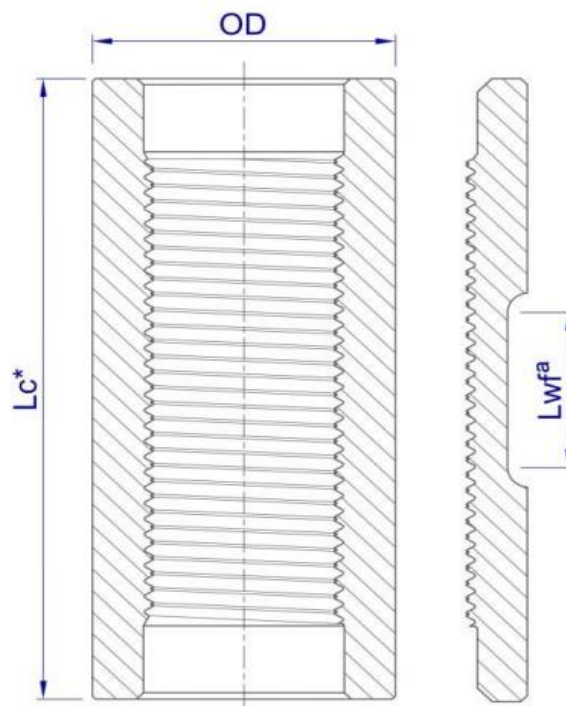
Nominal Size	Units	OD	Lc* (min)	Lwfa	Weight
7/8"	in	1.811	4.000	1.252	1.72 lb
	mm	46.0	101.6	31.8	(0.781 kg)
1"	in	2.189	4.000	1.500	2.67 lb
	mm	55.6	101.6	38.1	(1.209 kg)
1 1/8"	in	2.375	4.500	1.500	3.29 lb
	mm	60.3	114.3	38.1	(1.494 kg)

#### Slim Hole:

Nominal Size	Units	OD	Lc* (min)	Lwfa	Weight
7/8"	in	1.626	4.000	-	1.14 lb
	mm	41.3	101.6	-	(0.519 kg)
1"	in	2.000	4.000	-	1.95 lb
	mm	50.8	101.6	-	(0.883 kg)
1 1/8"	in	2.258	4.500	-	2.74 lb
	mm	57.4	114.3	-	(1.244 kg)

#### Slim Hole Plus:

Nominal Size	Units	OD	Lc* (min)	Lwfa	Weight
7/8" SH Plus	in	1.705	4.000	-	1.48 lb
	mm	43.3	101.6	-	(0.670 kg)
1" SH Plus	in	2.090	4.000	-	2.31 lb
	mm	53.1	101.6	-	(1.050 kg)



\*Other lengths might be available.  
aWrench flats optional.

### Steel Grades:

#### Chemical Composition:

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

Grade	C	Mn	Si	S	P	Cr	Ni	Mo	Others
AlphaRod® CS	0.23	0.55	0.25	0.01 max	0.01 max	0.95	0.30 max	0.7	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	0.7	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	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:

Manufacturer's mark  
Size  
Date (MM-YY)



MM 3/4 αCS FS RM 06-17 0327

Diameter  
Grade  
Heat Code  
Lot

## 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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