

AlphaRod® API Subcoupling

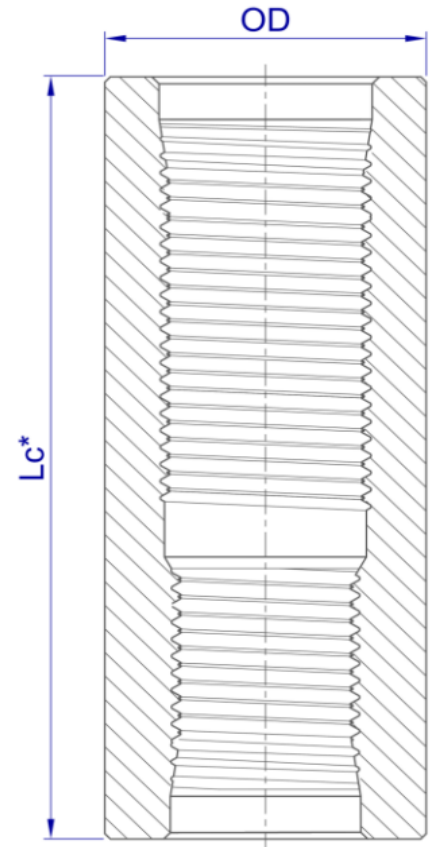
Dimensions:

Full Size:

Nominal Size	Units	OD	Lc* (min)	Weight
3/4"-5/8"	in	1.625	4.000	1.65 lb
	mm	41.3	101.6	(0.750 kg)
7/8"-5/8"	in	1.811	4.000	2.14 lb
	mm	46.0	101.6	(0.969 kg)
7/8"-3/4"	in	1.811	4.000	2.04 lb
	mm	46.0	101.6	(0.923 kg)
1"-3/4"	in	2.189	4.500	3.25 lb
	mm	55.6	114.3	(1.473 kg)
1"-7/8"	in	2.189	4.500	3.15 lb
	mm	55.6	114.3	(1.429 kg)
1 1/8"-7/8"	in	2.375	5.000	4.41 lb
	mm	60.3	127.0	(2.000 kg)
1 1/8"-1"	in	2.375	5.000	4.19 lb
	mm	60.3	127.0	(1.900 kg)

Slim Hole:

Nominal Size	Units	OD	Lc* (min)	Weight
3/4"-5/8"	in	1.500	4.000	1.26 lb
	mm	38.1	101.6	(0.573 kg)
7/8"-5/8"	in	1.626	4.000	1.49 lb
	mm	41.3	101.6	(0.675 kg)
7/8"-3/4"	in	1.626	4.000	1.4 lb
	mm	41.3	101.6	(0.636 kg)
1"-3/4"	in	2.000	4.500	2.41 lb
	mm	50.8	114.3	(1.092 kg)
1"-7/8"	in	2.000	4.500	2.31 lb
	mm	50.8	114.3	(1.050 kg)
1 1/8"-7/8"	in	2.256	5.000	3.75 lb
	mm	57.3	127.0	(1.700 kg)
1 1/8"-1"	in	2.256	5.000	3.53 lb
	mm	57.3	127.0	(1.600 kg)



*Other lengths might be available.

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:

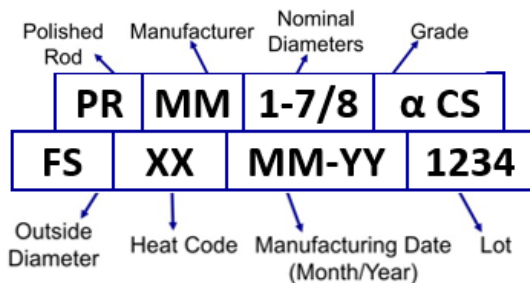
Mechanical properties are listed in the following table.

Grade	Yield Strength (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:

All the dimensions comply with API 11B, except for all the 1 1/8" SH combinations.

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:		NET WEIGHT: (kg)	
DESTINATION:			

Ordering Information:

When placing an order please attach the following information:

PDS: SRCSCAR
Coupling Type: Subcoupling
Nominal dimension: 1 1/8" - 1"
Size: FullSize
Grade: AlphaRod® CS

*Image for reference only

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