

AlphaRod® API Polished Rod Coupling

Dimensions:

Full Size:

Nominal Size	Units	OD	Lc* (min)	Weight
5/8"	in	1.500	4.000	1.17 lb
	mm	38.1	101.6	(0.530 kg)
3/4"	in	1.625	4.000	1.4 lb
	mm	41.3	101.6	(0.633 kg)
7/8"	in	1.811	4.000	1.72 lb
	mm	46.0	101.6	(0.781 kg)
1"	in	2.189	4.000	2.67 lb
	mm	55.6	101.6	(1.209 kg)
1 1/8"	in	2.375	4.500	3.29 lb
	mm	60.3	114.3	(1.494 kg)

Slim Hole:

Nominal Size	Units	OD	Lc* (min)	Weight
5/8"	in	1.252	4.000	0.66 lb
	mm	31.8	101.6	(0.300 kg)
3/4"	in	1.500	4.000	1.05 lb
	mm	38.1	101.6	(0.478 kg)
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:

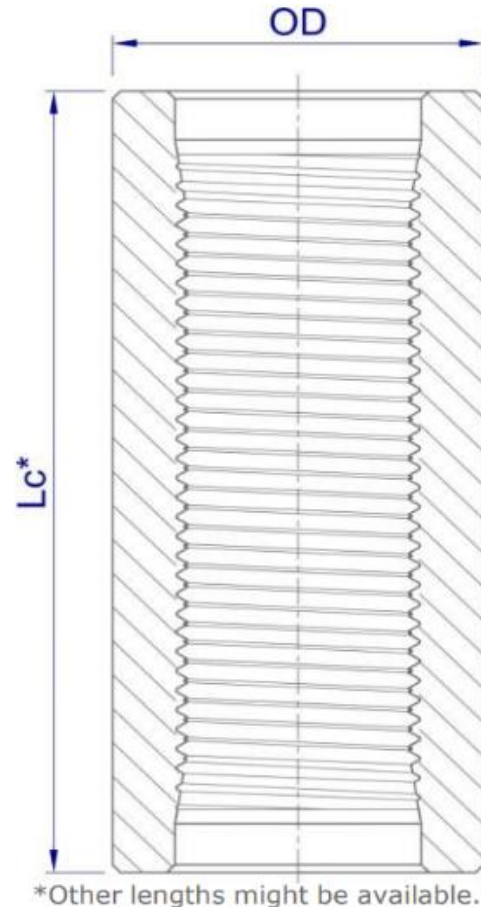
Nominal Size	Units	OD	Lc* (min)	Weight
7/8" SH Plus	in	1.705	4.000	1.48 lb
	mm	43.3	101.6	(0.670 kg)
1" SH Plus	in	2.090	4.000	2.31 lb
	mm	53.1	101.6	(1.050 kg)

Steel Grades:

Chemical Composition:

Typical chemical compositions (wt%) 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:

All the dimensions comply with API 11B, except for the OD in the 1 1/8" SH, 1" SH Plus and the 7/8" SH Plus couplings.

Marking:

Manufacturer's mark Size Date (MM-YY)


PR MM 3/4 αCS FS RD 06-17 3224

Polished Rod 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: SRCPRAR
Coupling Type: Coupling
Nominal dimension: 1"
Size: Full Size
Grade: AlphaRod® HS

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