

LaserShield™ Polished Rod Coupling

Through extensive R&D Tenaris introduced its new LaserShield™ coating technology that enhance Sucker Rod Couplings performance.

Dimensions:

Full Size:

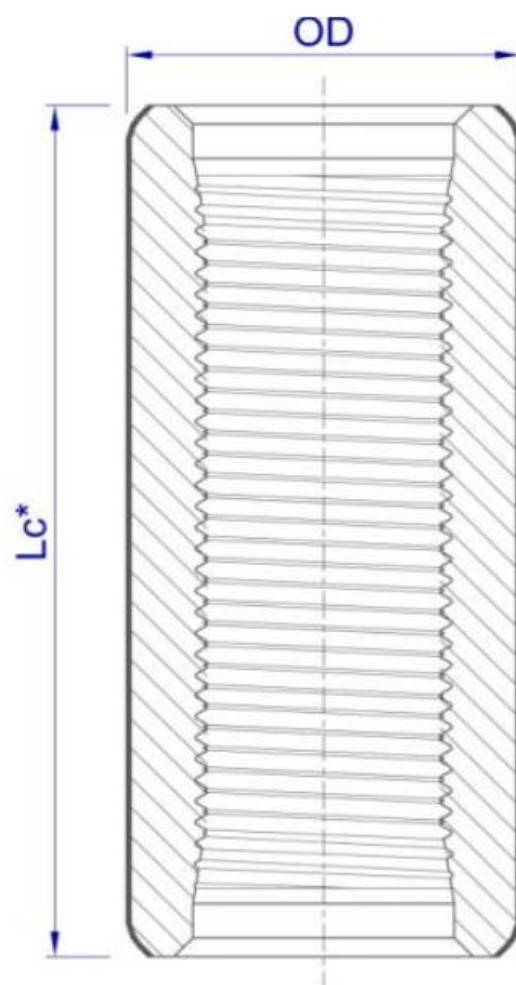
Nominal Size	Units	OD	Lc* (min)	Weight
5/8"	in	1.500	4.000	1.17 lb
	mm	38.1	101.6	(0.530 kg)
3/4"	in	1.625	4.000	1.4 lb
	mm	41.3	101.6	(0.633 kg)
7/8"	in	1.811	4.000	1.72 lb
	mm	46.0	101.6	(0.781 kg)
1"	in	2.189	4.000	2.67 lb
	mm	55.6	101.6	(1.209 kg)
1 1/8"	in	2.375	4.500	3.29 lb
	mm	60.3	114.3	(1.494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



*Other lengths might be available.

Base Material Steel Grades:

LaserShield™ couplings are manufactured using seamless hot rolled ultraclean alloyed steel pipes, calcium treated to modify inclusions to improve toughness. Pipes are heat treated to obtain the desired microstructure and mechanical properties.

Mechanical Properties:

Mechanical properties are listed in the following table.

Grade	Yield Strength (0.2% offset)	Ultimate Tensile Stress	Hardness
High Strength	110 to 140 kpsi (758 to 965 MPa)	125 to 155 kpsi (862 to 1069 MPa)	32-36 HRC

Coating Specification:

LaserShield™

Coating Type: LW

Material: Nickel Base

Thickness: 0.007-0.02 in (0.20-0.51 mm)

Max. Roughness (Ra): 15 µin (0.381 µm)

Hardness: 780 a 1000 HV200

Application:

Due to its distinctive Tribocorrosion characteristics, LW coating reduces the wear on couplings and tubing in deviated wells, in addition its outstanding anti-corrosion properties make LW Coating the best option for medium and highly corrosive wells.



Marking:

Manufacturer's mark	Size	Date (MM-YY)
PR	MM 3/4	LaserShield™ LW FS RD 06-17 3224
Polished Rod	Diameter	LaserShield™ Class
		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: SRCPRLS
Coupling Type: Coupling
Nominal dimension: 1"
Size: Slim Hole
Base Material Grade: HS
Coating technology: LaserShield™
Coating Type: LW

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