

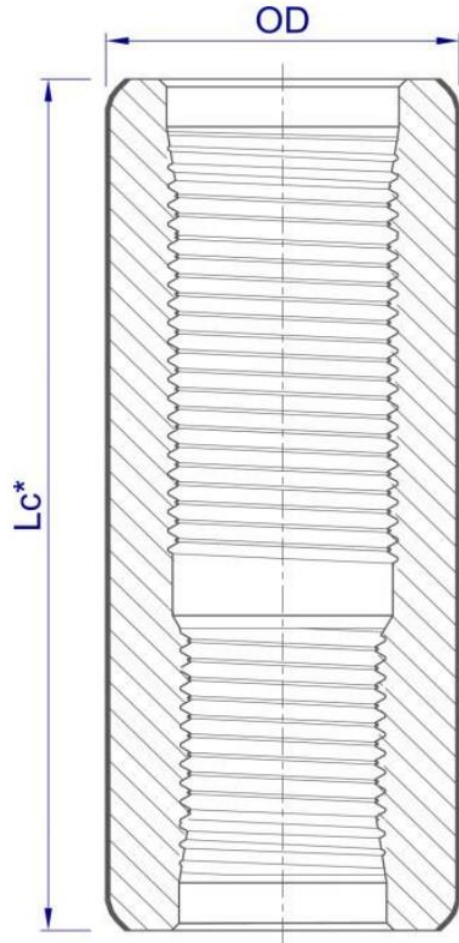
LaserShield™ Subcoupling

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
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"-5/8"	in	2.189	4.500	3.25 lb
	mm	55.6	114.3	(1.473 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"-3/4"	in	2.375	5.000	4.63 lb
	mm	60.3	127.0	(2.100 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)



*Other lengths might be available.

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"-5/8"	in	2.000	4.500	2.87 lb
	mm	50.8	114.3	(1.300 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"-3/4"	in	2.256	5.000	3.97 lb
	mm	57.3	127.0	(1.800 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)

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

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

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

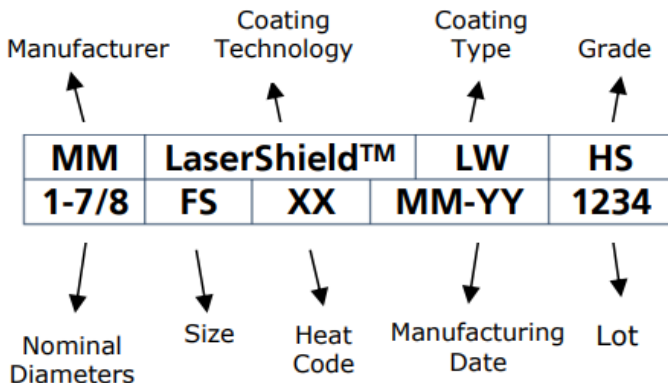
Hardness: 780 a 1000 HV200

Material: Nickel Base

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:



Non Destructive Testing:

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

Labeling:*



Ordering Information:

When placing an order please attach the following information:

- PDS:** SRCSCLS
- Coupling Type:** Subcoupling
- Nominal dimension:** 1"-7/8"
- Size:** FullSize
- Base Material Grade:** HS
- Coating technology:** LaserShield™
- Coating Type:** LW

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