Sucker Rod Couplings

API 11B · AISI 5140 steel · Class T and Spray Metal · Full Size and Slim Hole

OVERVIEW

Trilogy sucker rod couplings join the pin ends of adjacent sucker rods in rod-pumped wells, carrying the cyclic loads of the pumping string. Couplings are manufactured from AISI 5140 alloy steel to API Specification 11B dimensions and are marked with size, API monogram and class.

Full Size and Slim Hole outside diameters are available to suit tubing clearance, along with change-over (sub) couplings for tapered rod strings that transition between rod sizes.

> **What to include in your request:** part number or rod size, Full Size or Slim Hole, Class T or Spray Metal, and quantity.



Spray Metal (silver) and Class T (black) couplings

COUPLING CLASSES

> **Class T.** Through-hardened AISI 5140 steel coupling for general rod string service. The standard choice for most rod-pumped wells.

> **Spray Metal (SM).** Coupling with a hard, thermally sprayed metal surface for added wear resistance where couplings contact the tubing, such as in deviated wells.

COUPLING DIMENSIONS

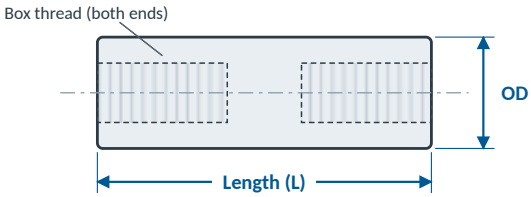


Illustration for reference only. Not to scale.

API 11B REFERENCE

Rod Size	Full Size OD	Slim Hole OD	Min. Length
5/8"	1.500"	1.252"	4.000"
3/4"	1.625"	1.500"	4.000"
7/8"	1.811"	1.626"	4.000"
1"	2.189"	2.000"	4.000"

Dimensions per API Spec 11B.

STANDARD COUPLINGS

Part No.	Rod Size	Type	Class	OD	Min. Length
T-RC58FST	5/8"	Full Size	Class T	1.500"	4.000"
T-58SHT	5/8"	Slim Hole	Class T	1.252"	4.000"
T-RC34FST	3/4"	Full Size	Class T	1.625"	4.000"
T-RC34SHT	3/4"	Slim Hole	Class T	1.500"	4.000"
T-RC34FSSM	3/4"	Full Size	Spray Metal	1.625"	4.000"
T-34SHSM	3/4"	Slim Hole	Spray Metal	1.500"	4.000"
T-RC78FST	7/8"	Full Size	Class T	1.811"	4.000"
T-RC78SHT	7/8"	Slim Hole	Class T	1.626"	4.000"
T-RC78FSSM	7/8"	Full Size	Spray Metal	1.811"	4.000"
T-RC78SHSM	7/8"	Slim Hole	Spray Metal	1.626"	4.000"
T-RC1SHT	1"	Slim Hole	Class T	2.000"	4.000"

CHANGE-OVER (SUB) COUPLINGS

Part No.	Rod Sizes	Type	Class	OD	Min. Length
T-34X58FST	3/4 x 5/8"	Full Size	Class T	1.625"	4.000"
T-34x78FST	7/8 x 3/4"	Full Size	Class T	1.811"	4.000"
T-34x78FSSM	7/8 x 3/4"	Full Size	Spray Metal	1.811"	4.000"
T-34x78SH	7/8 x 3/4"	Slim Hole	Class T	1.626"	4.000"
T-34x78SHSM	7/8 x 3/4"	Slim Hole	Spray Metal	1.626"	4.000"

Change-over couplings connect two rod sizes in a tapered string. OD follows the larger rod size.

MATERIAL & STANDARDS

Material	AISI 5140 alloy steel
Specification	API Spec 11B
Classes	Class T and Spray Metal (SM)
Marking	Rod size, API monogram, 11B, class and date code