

PONY ROD & COUPLINGS



Specification:

Chem Oil's Pony Rods are manufactured from modified special quality hot rolled carbon or alloy steel.

Pony rod dimensions and tolerances conform to API Specification 11B, latest edition, and AISI Steel Products Manual. Pony rods are available in 2 ft. (0.61 m), 4 ft. (1.22 m), 6 ft. (1.83 m) and 8 ft. (2.44 m) lengths, depending on size and grade.

Mechanical Properties of API Grade D Pony Rod:

- Tensile Strength: 795-965 MPa.
- Yield Strength: 590 MPa.
- Elongation %: $\geq 10\%$.
- Reduction Of Area: $\geq 50\%$.

Chemical Properties of API Grade D Pony Rod:

Type	C %	Mn %	P %	S %	Si %	Ni %	Cr %	Mo %
Grade D	.17-.24	.40-.70	$\leq .025$	$\leq .025$.17-.37	$\leq .30$.80-1.10	.15-.25

Pony Rods (Grade D)			
Item Code	Size	Material	Weight (lbs)
PR5802DA	5/8" x 2 ft	4130	2.09
PR5804DA	5/8" x 4 ft	4130	4.19
PR5806DA	5/8" x 6 ft	4130	6.26
PR5808DA	5/8" x 8 ft	4130	8.49
PR3402DA	3/4" x 2 ft	4130	2.95
PR3404DA	3/4" x 4 ft	4130	5.88
PR3406DA	3/4" x 6 ft	4130	8.84
PR3408DA	3/4" x 8 ft	4130	11.99
PR7802DA	7/8" x 2 ft	4130	3.97
PR7804DA	7/8" x 4 ft	4130	7.91
PR7806DA	7/8" x 6 ft	4130	11.88
PR7808DA	7/8" x 8 ft	4130	16.09
PR1002DA	1" x 2 ft	4130	5.11
PR1004DA	1" x 4 ft	4130	10.23
PR1006DA	1" x 6 ft	4130	15.32
PR1008DA	1" x 8 ft	4130	20.76

* Due to the continuous development of our products, design or construction may change without prior notice.

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Specification:



Two different grades of Sucker Rod Couplings are available:

T and SM. The manufacturing process of both the grades is the same with cold worked pre-stressed, roll-formed threads with anti-galling coating. This process results in stronger/fatigue resistant threads.

The manufacturing inspection, the dimensions and the tolerances of the couplings match or exceed the specifications of the latest API standards.

Grade T Sucker Rod Couplings

These couplings are made up of 5140 alloy steel and are very resistant to hydrogen embrittlement.

Grade SM CO-HARD Sucker Rod Couplings

These couplings are made up of 5140 alloy steel and are very resistant to hydrogen embrittlement. In order to yield a strong metallurgical bond between the base metal of the coupling and the spray metal coating, the base metal is prepared to a No. 1 NACE TM0170 or TM0175 finish prior to the spray metal coating process. The spray coating process is conducted to prevent coupling abrasion wear or coupling corrosion.

Mechanical Properties

SM:

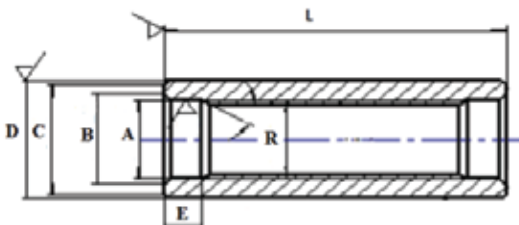
1. Spray Metal thickness 0.25-0.51mm
2. Thread check by B6 No-Go Gage, B2 Go Gage

T:

1. Thread check by B6 No-Go Gage, B2 Go Gage

	Steel	Hardness (HRA)	Surface Hardness	Min. YS (psi)	UTS (psi)
SM Grade	5140	56-62	HV 200 > 59.95	95 000	124 732.422
T Grade	5140	56-62	NA	95 000	124 732.422

Dimension: MM & LBS



Part #	Description	R	L	A	B	C	D	E	Weight
SRCLG3/4FSSM	3/4" SM	1 1/16	101.6	27.43	31.83	37.85	41.28	11.12	1.32
SRCLG3/4SHSM	3/4" SM SH	1 1/16	101.6	27.43	31.83	36.25	38.1	11.12	1.04
SRCLG3/4FST	3/4" T	1 1/16	101.6	27.43	31.83	37.85	41.28	11.12	1.32
SRCLG3/4SHT	3/4" T SH	1 1/16	101.6	27.43	31.83	36.25	38.1	11.12	1.04
SRCLG5/8FSSM	5/8" SM	15/16	101.6	24.26	28.19	34.67	38.1	11.12	1.23
SRCLG5/8SHSM	5/8" SM SH	15/16	101.6	24.26	27.69	29.9	31.8	11.12	0.9
SRCLG5/8FST	5/8" T	15/16	101.6	24.26	28.19	34.67	38.1	11.12	1.23
SRCLG5/8SHT	5/8" T SH	15/16	101.6	24.26	27.69	29.9	31.8	11.12	0.9
SRCLG7/8FSSM	7/8" SM	1 3/16	101.6	30.61	35	42.6	46	11.12	1.63
SRCLG7/8SHSM	7/8" SM SH	1 3/16	101.6	30.61	35	39.42	41.3	11.12	1.15
SRCLG7/8FST	7/8" T	1 3/16	101.6	30.61	35	42.6	46	11.12	1.63
SRCLG7/8SHT	7/8" T SH	1 3/16	101.6	30.61	35	39.42	41.3	11.12	1.15
SRCLG1FSSM	1" SM	1 3/8	101.6	35.38	39.78	50.55	55.6	11.12	2.2
SRCLG1SHSM	1" SM SH	1 3/8	101.6	35.38	39.78	48.95	50.8	11.12	1.28
SRCLG1FST	1" T	1 3/8	101.6	35.38	39.78	50.55	55.6	11.12	2.2
SRCLG1SHT	1" T SH	1 3/8	101.6	35.38	39.78	48.95	50.8	11.12	1.28