

Sucker Rod Size and Length Reference

This reference page summarizes commonly published sucker rod sizes, nominal lengths, and pony rod ranges, and distinguishes standard API-aligned dimensions from broader commercial and premium product routes.

Published manufacturer data is consistent on the main nominal-length side: **25 ft** and **30 ft** are the standard full-length sucker rod sections in current Tenaris and SLB references, while **pony rods** are published at **2, 4, 6, 8, 10, and 12 ft** in Tenaris literature. Current Octal product pages show a broader commercial family range with **OD 5/8 in to 1-3/4 in**, **25/30 ft** rods, and **2-10 ft** pony rods.

Reference item	Published values	Technical reading
Standard sucker rod nominal lengths	25 ft, 30 ft (7.62 m, 9.14 m)	Main full-length rod sections used to build the working rod string in conventional rod-lift service.
Pony rod nominal lengths	2, 4, 6, 8, 10, 12 ft (0.61, 1.22, 1.83, 2.44, 3.05, 3.66 m) SLB also publishes 2-10 ft in its current product page.	Short adjustment sections used to correct final rod-string tally and land the pump at the required depth.
Common API-aligned rod body diameters	5/8 in, 3/4 in, 7/8 in, 1 in, 1-1/8 in (15.88, 19.05, 22.23, 25.40, 28.58 mm)	This is the most common body-size range repeatedly shown in API-aligned rod routes and current commercial rod references.
Extended commercial / premium diameters	1-1/4 in, 1-1/2 in (31.75, 38.10 mm)	These larger body diameters appear in broader commercial and premium routes, especially where higher torque or heavier load capacity is required.
Current Octal commercial family listing	OD 5/8 in to 1-3/4 in (15.88 mm to 44.45 mm) Lengths: 25 / 30 ft rods; 2-10 ft pony rods	A broader commercial supply range shown in the current Octal sucker rod family listing. Larger diameters should be read as product-series or project-specific routes rather than the basic API body-size set.
Why pony rods matter	String-length correction and pump landing adjustment	A pony rod is not a different main function rod. It is a shorter section used to finish the rod string to the required landed depth without forcing the pump to sit too high or too low.

Nominal Diameter Conversion Reference

Nominal OD	Metric equivalent	Route note
5/8 in	15.88 mm	Common API/basic route
3/4 in	19.05 mm	Common API/basic route

Nominal OD	Metric equivalent	Route note
7/8 in	22.23 mm	Common API/basic route
1 in	25.40 mm	Common API/basic route
1-1/8 in	28.58 mm	Common API/basic route
1-1/4 in	31.75 mm	Extended commercial / premium route
1-1/2 in	38.10 mm	Extended commercial / premium route
1-3/4 in	44.45 mm	Octal family / project-based route

Source basis: API Spec 11B scope for sucker rods and pony rods; Tenaris API Sucker & Pony Rod product data for nominal rod and pony-rod lengths; SLB current sucker rods and couplings page for 25- and 30-ft rods and 2- to 10-ft pony rods; current Octal Pipe sucker rod family page for commercial OD and length listing. Where published ranges differ slightly, the reference should follow the manufacturer offering, the product series, and the actual rod-string design basis.