

CONVENTIONAL MANDRELS

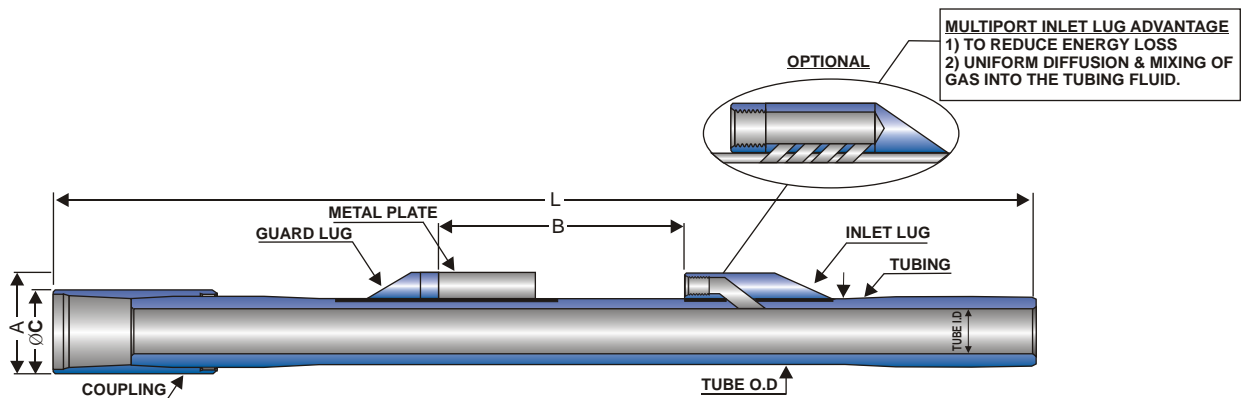
INTRODUCTION

PARVEEN manufactures both standard as well as high strength conventional mandrels. These are designed for single-string installations and generally used in injection pressure operated tubing flow applications.

Mandrels for gas lift valves have two-fold function - first, they provide a convenient fitting on which to install a gas lift valve as an integral part of a tubing string and second, these help pass the gas through the valves in the proper direction. All mandrels are constructed to perform these functions with maximum reliability. After the machining and welding operations are completed, all mandrels are pressure tested and checked for alignment and drift I.D. Internal, external or complete plastic coating is available for protection from corrosion or paraffin accumulation.

CONVENTIONAL MANDREL - SERIES 12 (Model : PCM-12)

Series 12 Mandrels are designed to receive any valve with a ½" NPT inlet lug connection, a maximum OD of 1-1/16", and a maximum length of 17.1/8". Many tubing sizes, thread types and grades are available. Only the more popular grades and sizes are listed below.



SPECIFICATION OF STANDARD CONVENTIONAL MANDREL SERIES 12 (Model : PCM-12)										
Nominal Tube Size (inch)	Type Thread	OD of Tube (inch)	Weight (PPF)	ID of Tube (inch)	A Max. (inch)	B (inch)	L (ft.)	Approx Weight (Lbs-f)	Coupling OD ϕC (inch)	Assembly Part no. Material Grade API-N-80
2-3/8	EUE, 8RD	2-3/8	4.7	1.995	3.920	17-1/8	4	24.5	3.063	4C0-0601-100-00
2-3/8	EUE, 8RD	2-3/8	4.43	1.995	3.825	17-1/8	4	23.5	2.91	4C0-0601-100-01
2-3/8	NUE, 10RD	2-3/8	4.6	1.995	3.840	17-1/8	4	23.8	2.875	4C0-0602-100-00
2-7/8	EUE, 8RD	2-7/8	6.5	2.441	4.490	17-1/8	4	34.0	3.668	4C0-0701-100-00
2-7/8	EUE, 8RD	2-7/8	6.0	2.441	4.330	17-1/8	4	32.0	3.460	4C0-0701-100-01
2-7/8	NUE, 10RD	2-7/8	6.4	2.441	4.400	17-1/8	4	33.9	3.5	4C0-0702-100-00
3-1/2	EUE, 8RD	3-1/2	9.3	2.992	5.125	17-1/8	4	42.0	4.5	4C0-0801-100-00

ORDERING INFORMATION

1. Determine the type of mandrel required based on the casing and tubing sizes and the type gas lift valve being used to the application.
2. Specify tubing size, thread and grade required for the application.
3. Valve adapters and/or thread adapters are sometimes required. Please include these when applicable.

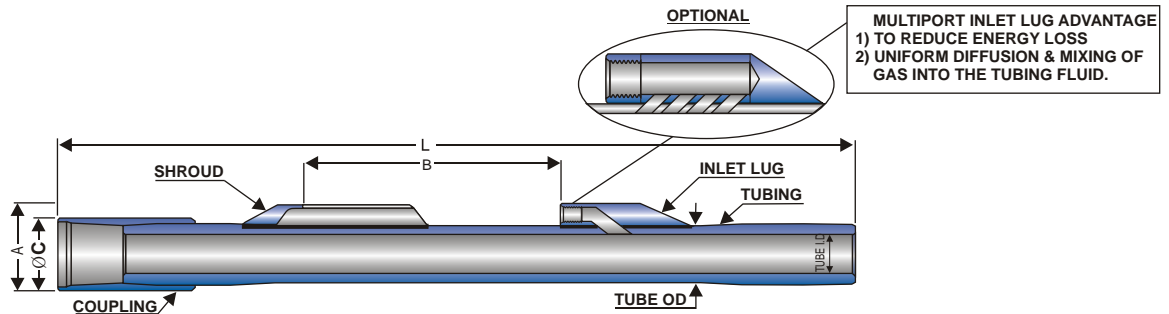


CONVENTIONAL MANDRELS

CONVENTIONAL MANDREL - SERIES 12 (MODEL : PCM-12S)

Series 12 Mandrels are designed to receive any valve with a ½" NPT inlet lug connection, a maximum OD of 1-1/16", and a maximum length of 17.1/8". Many tubing sizes, thread types and grades are available. Only the more popular grades and sizes are listed below. These Mandrels use shroud instead of Grand Lug & Metal Plate.

SPECIFICATION OF STANDARD CONVENTIONAL MANDREL SERIES 12 (MODEL : PCM-12S)										
Nominal Tube Size (inch)	Type Thread	OD of Tube (inch)	Weight (PPF)	ID of Tube (inch)	A Max. (inch)	B (inch)	L (ft.)	Approx Weight (Lbs-f)	Coupling OD ϕC(inch)	Assembly Part no. Material Grade API-N-80
2-3/8	EUE, 8RD	2-3/8	5.45	1.995	3.920	17-1/8	4	27.5	3.063	4C0-1601-100-00
2-3/8	EUE, 8RD	2-3/8	5.18	1.995	3.825	17-1/8	4	26.5	2.91	4C0-1601-100-01
2-3/8	NUE, 10RD	2-3/8	5.35	1.995	3.840	17-1/8	4	26.8	2.875	4C0-1602-100-00
2-7/8	EUE, 8RD	2-7/8	7.25	2.441	4.490	17-1/8	4	37.0	3.668	4C0-1701-100-00
2-7/8	EUE, 8RD	2-7/8	6.75	2.441	4.330	17-1/8	4	35.0	3.460	4C0-1701-100-01
2-7/8	NUE, 10RD	2-7/8	7.15	2.441	4.400	17-1/8	4	36.9	3.5	4C0-1702-100-00
3-1/2	EUE, 8RD	3-1/2	10.05	2.992	5.125	17-1/8	4	45.0	4.5	4C0-1801-100-00



CONVENTIONAL MANDRELS - SERIES 15 (MODEL : PCM-15)

Series 15 Conventional MANDRELS are designed to receive any valve with a ½" NPT inlet lug connection, a maximum OD of 1- ½" and a maximum length of 29". Many tubing sizes, thread types, and grades are available. Only the more popular grades and sizes are listed below.

SPECIFICATIONS OF STANDARD CONVENTIONAL MANDREL SERIES 15 (MODEL : PCM-15)										
Nominal Tube Size (inch)	Type Thread	OD of Tube (inch)	Weight (PPF)	ID of Tube (inch)	A Max. (inch)	B (inch)	L (ft.)	Approx Weight (Lbs-f)	Coupling OD ϕC(inch)	Assembly Part no. Material Grade API-N-80
2-3/8	EUE, 8RD	2-3/8	4.7	1.995	4.577	29	4	27	3.063	4C2-3601-100-00
2-3/8	EUE, 8RD	2-3/8	4.43	1.995	4.375	29	4	26	2.91	4C2-3601-100-01
2-3/8	NUE, 10RD	2-3/8	4.60	1.995	4.484	29	4	26.4	2.875	4C2-3602-100-00
2-7/8	EUE, 8RD	2-7/8	6.50	2.441	5.130	29	4	36.5	3.668	4C2-3701-100-00
2-7/8	NUE, 10RD	2-7/8	6.40	2.441	5.046	29	4	36.3	3.50	4C2-3702-100-00
3-1/2	EUE, 8RD	3-1/2	9.30	2.992	5.859	29	4	44.5	4.50	4C2-3801-100-00
3-1/2	NUE, 10RD	3-1/2	8.98	2.992	5.734	29	4	43.6	4.25	4C2-3802-100-00

NOTE:

Using 2-3/8" EUE,8RD tubing inside 4-1/2" casing. The mandrel contains a shroud to provide valve protection.