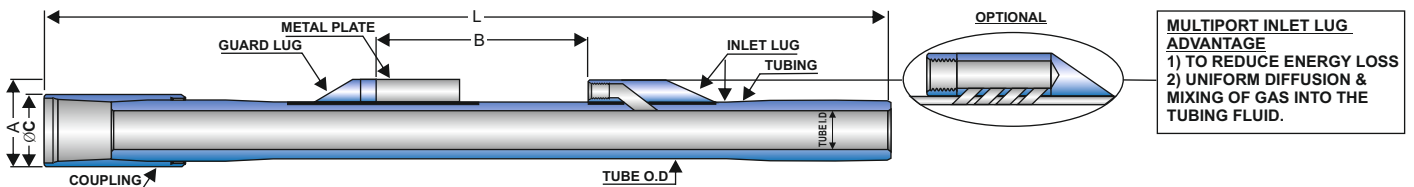


CONVENTIONAL MANDRELS

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.

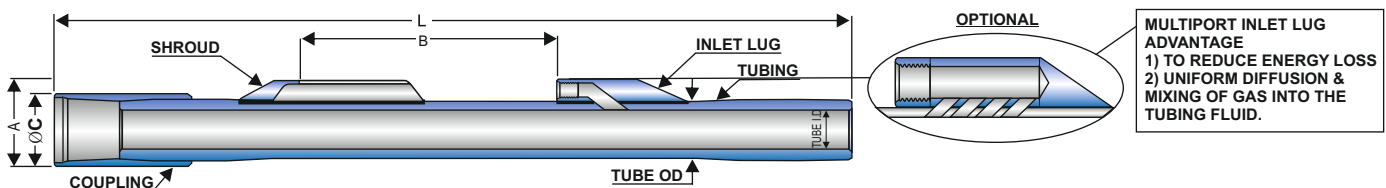


MULTIPOINT INLET LUG ADVANTAGE
 1) TO REDUCE ENERGY LOSS
 2) UNIFORM DIFFUSION & MIXING OF GAS INTO THE TUBING FLUID.

SPECIFICATION OF STANDARD CONVENTIONAL MANDREL SERIES 12 (Model : PCM-12)										
Nominal Tube Size in.	Type Thread	OD of Tube in.	Weight (PPF)	ID of Tube in.	A Max. in.	B in.	L (ft.)	Approx Weight (Lbs-f)	Coupling OD ϕ C in.	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

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.



MULTIPOINT INLET LUG ADVANTAGE
 1) TO REDUCE ENERGY LOSS
 2) UNIFORM DIFFUSION & MIXING OF GAS INTO THE TUBING FLUID.

SPECIFICATION OF STANDARD CONVENTIONAL MANDREL SERIES 12 (MODEL : PCM-12S)										
Nominal Tube Size in.	Type Thread	OD of Tube in.	Weight (PPF)	ID of Tube in.	A Max. in.	B in.	L (ft.)	Approx Weight (Lbs-f)	Coupling OD ϕ C in.	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

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.

HIGH STRENGTH CONVENTIONAL MANDRELS

PARVEEN has been manufacturing high strength conventional mandrels. Their round exterior design makes them easy to rotate in difficult situations & perform easier washover operations. These mandrels exceed N-80 tubing strength.

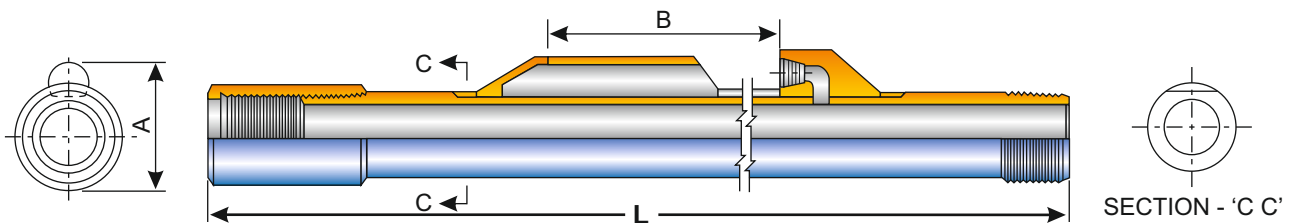
PARVEEN'S high strength mandrels have the benefit of:

1. Withstanding pull load of over 60 Metric Tones.
2. Testing hydraulically to 8000 PSI.

Series 502: These are designed to receive any valve with ½" NPT & a maximum OD of 1-1/2".

All above series are available in many tubing sizes, thread sizes & grades, only the more popular sizes are listed below.

HIGH STRENGTH CONVENTIONAL MANDREL - SERIES 502 (Model: PHSCM-502)



Nominal Tube Size in.	Type Thread	OD of Tube in.	ID of Tube in.	A Max. in.	B in.	L (ft.)	Approx Weight (Lbs.-f)	Coupling OD in.	Assembly Part no Material Grade API - N80
2-3/8	EUE, 8RD	2.594	1.995	4.577	29	4	35.5	3.063	502-3601-100-00
2-3/8	EUE, 8RD	2.594	1.995	4.375	29	4	34.5	2.91	502-3601-100-03
2-7/8	EUE, 8RD	3.094	2.441	5.130	29	4	43.0	3.668	502-3701-100-00