



GENERAL PRODUCT SHEET

Port Collar – Casing to Annulus Selective Communication Path Tool

PRODUCT DESCRIPTION:

The TAM Port Collar is a device utilized to establish a selective communication path from the casing into the annulus. The operation is performed using a work string with minimal manipulation. The sleeve can be shifted open or closed with a straight up and down motion of the work string or with a left-hand (open) and right-hand (close) torque, depending on the design chosen for the specific application.

The Port Collar is used for two-stage cementing, producing, treating, and testing applications. Since the minimum ID of a Port Collar matches the casing ID, no drill out is required. Rotational type Port Collars are built per customer specifications (material, casing grade, and weight) with options to have premium threading or weld-on connectors, thus ensuring the integrity of the casing string.

The metal-to-metal Port Collar is available in a reciprocating motion design for use in corrosive and high-temperature environments and with critical casing strings. A permanent locking feature is available. Another option allows external inflation of a packer when the Port Collar is closed.

With sizes available from 2-3/8 in. through 30 in., the Port Collar has a proven track record attributable to solid design and precision machining. Some sizes are available according to ISO 14998 V0 standards.

PROVIDE SOLUTIONS FOR:

- Two-stage cementing with Casing Annulus Packers
- Producing, treating, and testing
- Surface or intermediate two-stage cementing where no drill out is required

FEATURES:

- Operate with a simple up and down or rotating movement
- Highly reliable in multiple open/close cycles
- Three distinct styles
 - Linear motion with elastomeric seals
 - Linear motion with metal-to-metal seals
 - Rotating motion with elastomeric seals

BENEFITS:

- No drill out
- Premium thread or weld-on connectors available
- Selective operation
- Minimum ID matches casing ID
- Metal-to-metal seal option
- Locked close option – lock pins can be removed for multiple openings and closings
- Suitable for ultra-high-temperature service with MTM seals



Sliding Sleeve Type



Rotational Type



MTM Seal Lock Closed Type

**Port Collar – Casing to Annulus Selective Communication Path Tool****TOOL SPECIFICATIONS:****SLIDING SLEEVE PORT COLLAR**

| Casing OD (in.) | Slimline Option | Product OD | | Minimum ID | |
|--------------------|-----------------|------------|--------|------------|--------|
| | | (in.) | (mm) | (in.) | (mm) |
| 2-7/8 | | 4.00 | 101.60 | 2.47 | 62.74 |
| 3-1/2 | | 4.50 | 114.30 | 3.00 | 76.20 |
| 4-1/2 | | 5.50 | 139.70 | 3.96 | 100.58 |
| 5 | | 6.37 | 161.80 | 4.50 | 114.30 |
| | ✓ | 6.06 | 153.92 | 4.28 | 108.71 |
| 5-1/2 | | 6.75 | 171.45 | 4.96 | 125.98 |
| 7 | | 8.25 | 209.55 | 6.29 | 159.77 |
| 7-5/8 | | 8.75 | 222.25 | 6.85 | 173.99 |
| 8-5/8 | | 10.25 | 260.35 | 7.92 | 201.17 |
| 9-5/8 | | 11.25 | 285.75 | 8.81 | 223.77 |
| | ✓ | 10.40 | 264.16 | 8.53 | 216.66 |
| 10-3/4 | | 12.75 | 323.85 | 9.92 | 251.97 |
| 16 | | 17.88 | 454.15 | 15.00 | 381.00 |

METAL-TO-METAL SEAL PORT COLLAR

| Casing OD (in.) | Locking Feature Option | Product OD | | Minimum ID | |
|--------------------|---------------------------|------------|--------|------------|--------|
| | | (in.) | (mm) | (in.) | (mm) |
| 4-1/2 | | 5.63 | 143.00 | 3.96 | 100.58 |
| 5-1/2 | | 6.75 | 171.45 | 4.63 | 117.60 |
| 7 | | 8.25 | 209.55 | 6.17 | 156.72 |
| 7-5/8 | | 8.25 | 209.55 | 6.75 | 171.45 |
| | | 8.75 | 222.25 | 6.75 | 171.45 |
| 9-5/8* | | 10.63 | 269.87 | 8.81 | 223.77 |
| | | 11.23 | 285.24 | 8.81 | 223.77 |
| | ✓ | 11.50 | 292.10 | 8.81 | 223.77 |
| 10 – 3/4 | | 11.75 | 298.45 | 9.57 | 243.07 |
| 13-3/8 | ✓ | 16.25 | 412.75 | 12.39 | 314.71 |
| 13-5/8 | ✓ | 16.25 | 412.75 | 12.39 | 314.58 |
| 14 | ✓ | 16.25 | 412.75 | 12.61 | 320.29 |

*Available with 14998 V0 rating

ROTATIONAL SLEEVE PORT COLLAR

| Casing OD (in.) | Weld-On Connector | Product OD | | Minimum ID | |
|--------------------|----------------------|------------|--------|------------|--------|
| | | (in.) | (mm) | (in.) | (mm) |
| 9-5/8 | | 11.25 | 285.75 | 8.81 | 223.77 |
| 10-3/4 | | 12.75 | 323.85 | 10.05 | 255.27 |
| 11-3/4 | | 13.75 | 349.25 | 10.70 | 271.78 |
| 13-3/8 | | 15.50 | 393.70 | 12.40 | 314.96 |
| 18-5/8 | | 20.05 | 509.27 | 17.25 | 438.15 |
| 20 | ✓ | 22.00 | 558.80 | 18.35 | 466.09 |
| 22 | | 25.00 | 635.00 | 18.75 | 426.25 |
| 24 | ✓ | 26.50 | 673.10 | 22.50 | 571.50 |
| 26 | ✓ | 27.25 | 692.15 | 23.99 | 609.35 |
| 30 | ✓ | 30.75 | 781.05 | 26.50 | 673.10 |