



Service Saddle

Ductile Iron Body, Double Bale

331



Description:

Double bale Ductile Iron repair saddle with large concentric-ribbed gasket and Carbon Steel bales.

Application: Pulled out or broken direct taps, stripped threads, cracked pipe or new installations where wide gasket coverage is desired.

Key Features:

- Meets applicable AWWA C800 Standards
- The wide saddle body provides stability on the pipe
- Concentric ribbed gasket conforms to pipe surface irregularities to assure dependable seal
- NPT, CC and other threaded outlets available in sizes 5/8" to 2"
- Excellent way to repair and restore a damaged branch connection in one operation
- In conjunction with the bales, a closed lug on one side acts as a hinge for easier installation

Materials Specifications (subject to change):

BODIES: Ductile Iron per ASTM A536

BALES: Carbon Steel ASTM A108 (C1018) or HSLA (C111) electro-galvanized with di-chromate seal ASTM B633

NUTS: Cold formed semi-finished heavy hex Steel A563 electro-galvanized with di-chromate seal ASTM B633

WASHERS: Carbon Steel ASTM A108, electro-galvanized with a di-chromate seal ASTM B633

GASKET: Nitrile (Buna N) NSF 61 compounded to resist oil, acids, alkalies, most (aliphatic) hydrocarbon fluids, water and other chemicals

Temperature Range: -20°F to 180°F

FINISH: Flexi-Coat® Fusion-Bonded Epoxy Finish per AWWA C213

Optional Bales: Type 304 Stainless Steel

Working Pressure: Up to 300 PSI, depending on size and application

Pipe Applications: Steel, Ductile Iron, Cast Iron, Asbestos Cement

Taps: 3/4", 1", 1 1/4", 1 1/2" and 2" NPT taps; 5/8", 3/4", 1", 1 1/4" and 1 1/2" CC taps

Sizes (in inches): Varies by tap type; see tables for size details.



36 Hudson Rd
Sudbury MA 01776



800-225-4616
www.tisales.com



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BSP Thread Tap Codes

| SIZE | CODE NUMBER | EXAMPLE |
|--------|-------------|---------------------------|
| 1/2" | 59 | 3/4" CC 331-00053207-000 |
| 3/4" | 50 | |
| 1" | 51 | |
| 1 1/4" | 54 | |
| 1 1/2" | 52 | 3/4" BSP 331-00053250-000 |
| 2" | 53 | |
| 2 1/2" | 55 | |
| 3" | 56 | |

5/8", 3/4" and 1" CC Taps

| STANDARD | | | CATALOG NUMBER | | | CTN. QTY | METRIC | | |
|-------------------|-------------------|---------------|------------------|------------------|------------------|----------|--------------|---------------|--------------|
| NOM. SIZES INCHES | O.D. RANGE INCHES | WT. EACH LBS. | 5/8" CC/16 MM | 3/4" CC/20 MM | 1" CC/25 MM | | NOM. SIZE MM | O.D. RANGE MM | WT. EACH KG. |
| 4 | 4.79-5.32 | 7 | 331-00053205-000 | 331-00053207-000 | 331-00053209-000 | 4 | 100 | 122-135 | 3 |
| 6 | 6.90-7.40 | 8 | 331-00074005-000 | 331-00074007-000 | 331-00074009-000 | 4 | 150 | 175-188 | 4 |
| 8 | 9.00-9.63 | 10 | 331-00096305-000 | 331-00096307-000 | 331-00096309-000 | 4 | 200 | 229-244 | 4 |
| 10 | 11.04-12.12 | 13 | 331-00121205-000 | 331-00121207-000 | 331-00121209-000 | 4 | 250 | 281-307 | 6 |
| 12 | 13.14-14.38 | 15 | 331-00143805-000 | 331-00143807-000 | 331-00143809-000 | 4 | 300 | 334-365 | 7 |

3/4" and 1" NPT Taps

| STANDARD | | | CATALOG NUMBER | | CTN. QTY | METRIC | | |
|-------------------|-------------------|---------------|------------------|------------------|----------|--------------|---------------|--------------|
| NOM. SIZES INCHES | O.D. RANGE INCHES | WT. EACH LBS. | 3/4" NPT/20 MM | 1" NPT/25 MM | | NOM. SIZE MM | O.D. RANGE MM | WT. EACH KG. |
| 4 | 4.79-5.32 | 7 | 331-00053206-000 | 331-00053208-000 | 4 | 100 | 122-135 | 3 |
| 6 | 6.90-7.40 | 8 | 331-00074006-000 | 331-00074008-000 | 4 | 150 | 175-188 | 4 |
| 8 | 9.00-9.63 | 10 | 331-00096306-000 | 331-00096308-000 | 4 | 200 | 229-244 | 4 |
| 10 | 11.04-12.12 | 13 | 331-00121206-000 | 331-00121208-000 | 4 | 250 | 281-307 | 6 |
| 12 | 13.14-14.38 | 15 | 331-00143806-000 | 331-00143808-000 | 4 | 300 | 334-365 | 7 |

1 1/4", 1 1/2" and 2" NPT Taps

| STANDARD | | | CATALOG NUMBER | | | CTN. QTY | METRIC | | |
|-------------------|-------------------|---------------|------------------|------------------|------------------|----------|--------------|---------------|--------------|
| NOM. SIZES INCHES | O.D. RANGE INCHES | WT. EACH LBS. | 1-1/4" NPT/32 MM | 1-1/2" NPT/32 MM | 2" NPTC/50 MM | | NOM. SIZE MM | O.D. RANGE MM | WT. EACH KG. |
| 4 | 4.79-5.32 | 7 | 331-00053210-000 | 331-00053212-000 | 331-00053214-000 | 4 | 100 | 122-135 | 3 |
| 6 | 6.90-7.40 | 8 | 331-00074010-000 | 331-00074012-000 | 331-00074014-000 | 4 | 150 | 175-188 | 4 |
| 8 | 9.00-9.63 | 10 | 331-00096310-000 | 331-00096312-000 | 331-00096314-000 | 4 | 200 | 229-244 | 4 |
| 10 | 11.04-12.12 | 13 | 331-00121210-000 | 331-00121212-000 | 331-00121214-000 | 4 | 250 | 281-307 | 6 |
| 12 | 13.14-14.38 | 15 | 331-00143810-000 | 331-00143812-000 | 331-00143814-000 | 4 | 300 | 334-365 | 7 |

1 1/4" and 1 1/2" CC Taps

| STANDARD | | | CATALOG NUMBER | | CTN. QTY | METRIC | | |
|-------------------|-------------------|---------------|------------------|------------------|----------|--------------|---------------|--------------|
| NOM. SIZES INCHES | O.D. RANGE INCHES | WT. EACH LBS. | 1 1/4" CC/16 MM | 1 1/2" CC/20 MM | | NOM. SIZE MM | O.D. RANGE MM | WT. EACH KG. |
| 4 | 4.79-5.32 | 7 | 331-00053211-000 | 331-00053213-000 | 4 | 100 | 122-135 | 3 |
| 6 | 6.90-7.40 | 8 | 331-00074011-000 | 331-00074013-000 | 4 | 150 | 175-188 | 4 |
| 8 | 9.00-9.63 | 10 | 331-00096311-000 | 331-00096313-000 | 4 | 200 | 229-244 | 4 |
| 10 | 11.04-12.12 | 13 | 331-00121211-000 | 331-00121213-000 | 4 | 250 | 281-307 | 6 |
| 12 | 13.14-14.38 | 15 | 331-00143811-000 | 331-00143813-000 | 4 | 300 | 334-365 | 7 |



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