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PENN ALLOY STEEL FORGED FITTINGS
ASTM A182/ASME SA182 - F11 ASME B16.11

FA-4

JANUARY 5,2009

CLASS 2000 THREADED FITTINGS

| FIG.NO. | I.P.S. | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------|-----------|------|-------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|
| 501 | 90 ELBOWS | - | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL |
| 508 | TEES | - | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL |
| 515 | 45 ELBOWS | - | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | - | - |
| 522 | CROSSES | - | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | - | - |

ABOVE ITEMS FURNISHED AS REDUCING FITTINGS-POA

CLASS 3000 THREADED FITTINGS

| FIG.NO. | I.P.S. | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------|---------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|
| 502 | 90 ELBOWS | AVAIL | AVAIL | AVAIL | 33.10 | 39.02 | 49.46 | 110.28 | 114.47 | 144.85 | AVAIL | AVAIL | AVAIL |
| 509 | TEES | AVAIL | AVAIL | AVAIL | 37.54 | 58.39 | 81.20 | 138.85 | 145.89 | 188.28 | AVAIL | AVAIL | AVAIL |
| 516 | 45 ELBOWS | AVAIL | AVAIL | AVAIL | 36.13 | 49.46 | 61.63 | 132.22 | 141.01 | 179.88 | AVAIL | AVAIL | AVAIL |
| 523 | CROSSES | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL |
| 529 | STREET ELBOWS | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | - | - |
| 531 | LATERALS | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | - | - |

ABOVE ITEMS FURNISHED AS REDUCING FITTINGS-POA

| FIG.NO. | I.P.S. | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------|----------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|-------|
| 537 | COUPLINGS | AVAIL | AVAIL | AVAIL | 24.76 | 34.84 | 40.38 | 49.56 | 57.44 | 78.14 | AVAIL | AVAIL | AVAIL |
| 543 | REDUCERS | - | AVAIL | AVAIL | 38.38 | 54.00 | 62.59 | 76.82 | 89.03 | 121.12 | AVAIL | AVAIL | AVAIL |
| 549 | HALF COUPLINGS | AVAIL | AVAIL | AVAIL | 27.85 | 29.93 | 34.07 | 41.46 | 47.88 | 61.54 | AVAIL | AVAIL | AVAIL |
| 555 | CAPS | AVAIL | AVAIL | AVAIL | 26.17 | 28.55 | 33.30 | 42.28 | 48.14 | 61.71 | AVAIL | AVAIL | AVAIL |
| 571 | UNIONS | AVAIL | AVAIL | AVAIL | 67.24 | 80.85 | 107.56 | 161.78 | 197.63 | 246.94 | AVAIL | AVAIL | AVAIL |

CLASS 6000 THREADED FITTINGS

| FIG.NO. | I.P.S. | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------|---------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|-------|
| 503 | 90 ELBOWS | AVAIL | AVAIL | AVAIL | 39.02 | 49.46 | 81.12 | 138.23 | 144.25 | 213.52 | AVAIL | AVAIL | AVAIL |
| 510 | TEES | AVAIL | AVAIL | AVAIL | 58.39 | 81.20 | 101.37 | 179.21 | 188.28 | 339.04 | AVAIL | AVAIL | AVAIL |
| 517 | 45 ELBOWS | AVAIL | AVAIL | AVAIL | 49.46 | 61.63 | 97.77 | 175.56 | 181.20 | 285.43 | AVAIL | AVAIL | AVAIL |
| 524 | CROSSES | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL |
| 530 | STREET ELBOWS | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | - | - |
| 532 | LATERALS | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | - | - |

ABOVE ITEMS FURNISHED AS REDUCING FITTINGS-POA

| FIG.NO. | I.P.S. | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------|----------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 538 | COUPLINGS | AVAIL | AVAIL | AVAIL | 30.81 | 43.07 | 53.92 | 60.53 | 81.80 | 129.52 | AVAIL | AVAIL | AVAIL |
| 544 | REDUCERS | - | AVAIL | AVAIL | 59.49 | 83.70 | 97.01 | 119.07 | 138.00 | 187.74 | AVAIL | AVAIL | AVAIL |
| 550 | HALF COUPLINGS | AVAIL | AVAIL | AVAIL | 28.23 | 35.47 | 43.37 | 48.44 | 58.89 | 79.96 | AVAIL | AVAIL | AVAIL |
| 556 | CAPS | AVAIL | AVAIL | AVAIL | 30.39 | 33.41 | 37.10 | 48.51 | 59.16 | 94.23 | AVAIL | AVAIL | AVAIL |
| 573 | UNIONS | AVAIL | AVAIL | AVAIL | 124.39 | 149.57 | 198.99 | 299.29 | 365.62 | 456.84 | AVAIL | AVAIL | AVAIL |

PLUGS

| FIG.NO. | I.P.S. | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------|-----------------|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|
| 561 | SQ. HEAD PLUGS | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL |
| 562 | HEXAGON PLUGS | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL |
| 563 | ROUND HD. PLUGS | AVAIL | AVAIL | AVAIL | 18.24 | 20.78 | 22.18 | 29.87 | 35.71 | 48.69 | AVAIL | AVAIL | AVAIL |

BUSHINGS

| FIG.NO. | I.P.S. | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------|----------------|------|-------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|
| 564 | HEX BUSHINGS | - | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL |
| 565 | FLUSH BUSHINGS | - | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL | AVAIL |

**NOTE: ALL P.O.A. LISTED ITEMS ARE AVAILABLE FROM STOCK OR WILL BE MADE TO ORDER
 HOWEVER, DUE TO LOW DEMAND THESE ITEMS ARE PRICED ON APPLICATION**