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

FA-3

JUNE 1,2006

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 | 28.78 | 33.93 | 43.01 | 58.79 | 68.79 | 102.34 | AVAIL | AVAIL | AVAIL |
| 509 | TEES | AVAIL | AVAIL | AVAIL | 32.64 | 50.77 | 70.61 | 80.81 | 87.12 | 136.49 | AVAIL | AVAIL | AVAIL |
| 516 | 45 ELBOWS | AVAIL | AVAIL | AVAIL | 31.42 | 43.01 | 53.59 | 74.10 | 85.40 | 127.92 | 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 | 9.91 | 15.87 | 18.54 | 20.39 | 26.30 | 48.57 | AVAIL | AVAIL | AVAIL |
| 543 | REDUCERS | - | AVAIL | AVAIL | 10.97 | 17.49 | 20.51 | 22.36 | 29.08 | 53.48 | AVAIL | AVAIL | AVAIL |
| 549 | HALF COUPLINGS | AVAIL | AVAIL | AVAIL | 7.40 | 11.90 | 13.90 | 15.23 | 19.73 | 36.39 | AVAIL | AVAIL | AVAIL |
| 555 | CAPS | AVAIL | AVAIL | AVAIL | 10.97 | 17.49 | 20.51 | 22.36 | 29.08 | 53.48 | AVAIL | AVAIL | AVAIL |
| 571 | UNIONS | AVAIL | AVAIL | AVAIL | 53.79 | 64.68 | 86.05 | 129.42 | 158.10 | 197.55 | 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 | 33.93 | 43.01 | 70.54 | 85.99 | 102.34 | 180.73 | AVAIL | AVAIL | AVAIL |
| 510 | TEES | AVAIL | AVAIL | AVAIL | 50.77 | 70.61 | 88.15 | 119.78 | 136.49 | 264.85 | AVAIL | AVAIL | AVAIL |
| 517 | 45 ELBOWS | AVAIL | AVAIL | AVAIL | 43.01 | 53.59 | 85.02 | 117.43 | 127.92 | 196.16 | 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 | AVAIL | AVAIL |
| 532 | LATERALS | AVAIL | AVAIL | 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 | 15.87 | 18.54 | 27.19 | 43.82 | 48.57 | 74.53 | AVAIL | AVAIL | AVAIL |
| 544 | REDUCERS | - | AVAIL | AVAIL | 17.49 | 20.51 | 29.81 | 48.46 | 53.48 | 81.94 | AVAIL | AVAIL | AVAIL |
| 550 | HALF COUPLINGS | AVAIL | AVAIL | AVAIL | 11.90 | 13.90 | 20.30 | 32.89 | 36.39 | 55.77 | AVAIL | AVAIL | AVAIL |
| 556 | CAPS | AVAIL | AVAIL | AVAIL | 17.49 | 20.51 | 29.81 | 48.46 | 53.48 | 81.94 | AVAIL | AVAIL | AVAIL |
| 573 | UNIONS | AVAIL | AVAIL | AVAIL | 91.86 | 110.70 | 147.25 | 238.61 | 281.57 | 352.06 | 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 | 7.24 | 7.77 | 11.18 | 15.87 | 21.14 | 38.63 | 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**