

## Flat Face



### Overview:

"A" Series or Premier Series offers higher pressure ratings, superior flow ratings, lower pressure drop compared to FIRG Series or competitors products.

### Applications:

Flat Face couplers are specifically designed for applications needing no-leak performance. The mating faces are easily cleaned before connecting, making it the ideal solution for limiting contamination in a hydraulic circuit. The design allows applications involving high pressure impulses in agriculture equipment, mobile construction equipment and general industrial plants. Non-Spill design avoids fluid loss in connection & disconnection.

### Options:

- Seals: Viton, EPDM, & Kalrez.
- Threads: NPT, SAE, ORFS, JIC
- Multiple mounting options

### Series: "A" Premier

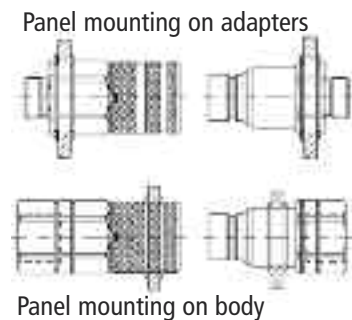
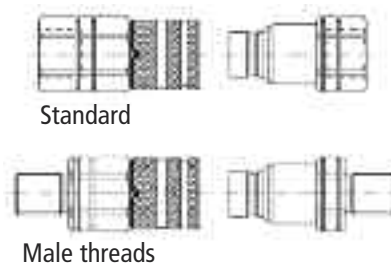
#### Interchange: ISO 16028 Flat Face

"A" series couplings are in accordance for Interchangeability and performances of ISO 16028. The interchangeability of size 10 is also in accordance with NFPA T3.20.15 (HTMA).

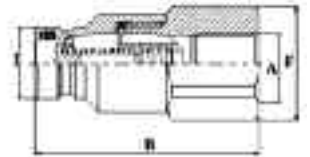
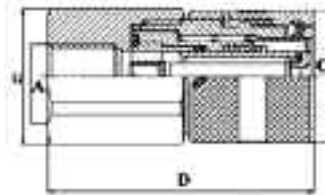
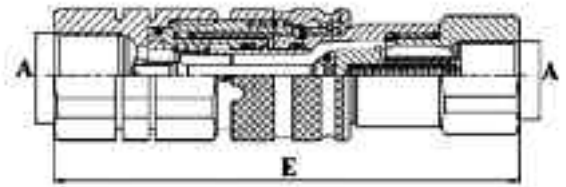
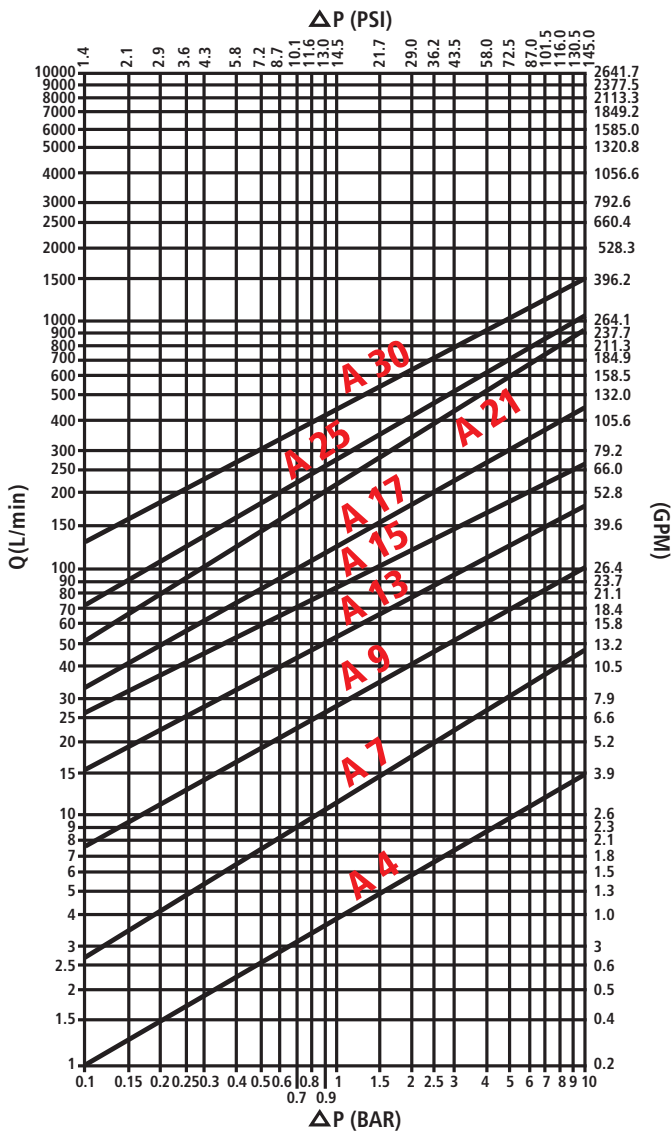
#### Interchange: Parker FEM, Aeroquip FD89, Faster 2FFI, Snap-Tite 74

- Seals: Nitrile & Teflon anti-extrusion
- Nipple: Hardened steel reduces brinnelling
- 12 to 20 balls to increase the male bearing points & decrease the brinelling effect
- Modular structure for multiple port option
- Lock system stops unwanted disconnect
- Exceeds Impulse test of ISOA-7241 test

| Stucchi Series | Nominal Size Inches | ISO Size MM | MAX OPERATING PRESSURE COUPLED bar | MAX OPERATING PRESSURE COUPLED PSI |
|----------------|---------------------|-------------|------------------------------------|------------------------------------|
| A4             | 1/8                 | 5.0         | 420                                | 6000                               |
| A7             | 1/4                 | 6.3         | 420                                | 6000                               |
| A9             | 3/8                 | 10.0        | 350                                | 5000                               |
| A13            | 1/2                 | 12.5        | 330                                | 4714                               |
| A15            | 5/8                 | 16.0        | 330                                | 4714                               |
| A17            | 3/4                 | 19.0        | 330                                | 4714                               |
| A21            | 1                   | 25.0        | 300                                | 4286                               |
| A25            | 1 1/4               | 27.0        | 300                                | 4286                               |
| A30            | 1 1/2               | 31.5        | 270                                | 3857                               |



| Item | Body Size | Size (MM) | A inch | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | I (mm) |
|------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| A4   | 1/8"      | 5         | 1/8"   | 36.5   | 20     | 40     | 68.5   | 18.5   | 20.5   | 11     |
| A7   | 1/4"      | 6.3       | 1/4"   | 48     | 28     | 53     | 90.5   | 24     | 29     | 16.2   |
| A9   | 3/8"      | 10        | 3/8"   | 60     | 32     | 64.5   | 109    | 29     | 32     | 19.8   |
| A9   | 3/8"      | 10        | 1/2"   | 62.5   | 32     | 69.5   | 116.5  | 29     | 32     | 19.8   |
| A13  | 1/2"      | 12.5      | 1/2"   | 68     | 38     | 76.5   | 127.5  | 40     | 40     | 24.5   |
| A13  | 1/2"      | 12.5      | 3/4"   | 70.5   | 38     | 83.5   | 137    | 40     | 40     | 24.5   |
| A15  | 5/8"      | 16        | 3/4"   | 73     | 42     | 83.5   | 139.5  | 38.5   | 45     | 27     |
| A17  | 3/4"      | 19        | 1"     | 84     | 48     | 98.5   | 161    | 50     | 50     | 30     |
| A21  | 1"        | 21        | 1 1/4" | 90     | 55     | 105    | 173    | 60     | 60     | 36     |
| A25  | 1 1/4"    | 25        | 1 1/4" | 105    | 65     | 125.1  | 206.9  | 59.8   | 65     | 44.1   |
| A30  | 1 1/2"    | 31.5      | 1 1/2" | 111    | 80     | 132.5  | 215    | 70     | 82     | 57     |



Panel mount options available upon request.

# ISO 16028 Interchange Couplings Flat Face



Coupler



Nipple



**Stucchi**

**Interchange: Parker FEM Series, Aeroquip FD89**  
**ISO 16028 Interchange: NPT Thread**

| Part    | Body Size | Port Size | Thread Type | Order Code | Part Description |
|---------|-----------|-----------|-------------|------------|------------------|
| Coupler | 1/8       | 1/8       | NPT         | 801301002  | F. A4 1/8 NPT    |
| Nipple  | 1/8       | 1/8       | NPT         | 801301003  | M. A4 1/8 NPT    |
| Coupler | 1/4       | 1/4       | NPT         | 801301004  | F. A7 1/4 NPT    |
| Nipple  | 1/4       | 1/4       | NPT         | 800801001  | M. FIRG 14 NPT   |
| Coupler | 3/8       | 3/8       | NPT         | 801301006  | F. A9 3/8 NPT    |
| Nipple  | 3/8       | 3/8       | NPT         | 801301005  | M. A9 3/8 NPT    |
| Coupler | 3/8       | 1/2       | NPT         | 801301008  | F. A9 1/2 NPT    |
| Nipple  | 3/8       | 1/2       | NPT         | 801301007  | M. A9 1/2 NPT    |
| Coupler | 1/2       | 1/2       | NPT         | 801301010  | F. A13 1/2 NPT   |
| Nipple  | 1/2       | 1/2       | NPT         | 801301009  | M. A13 1/2 NPT   |
| Coupler | 1/2       | 3/4       | NPT         | 801301012  | F. A13 3/4 NPT   |
| Nipple  | 1/2       | 3/4       | NPT         | 801301011  | M. A13 3/4 NPT   |
| Coupler | 5/8       | 3/4       | NPT         | 801301014  | F. A15 3/4 NPT   |
| Nipple  | 5/8       | 3/4       | NPT         | 801301013  | M. A15 3/4 NPT   |
| Coupler | 5/8       | 1         | NPT         | 801301020  | F. A15 1" NPT    |
| Nipple  | 5/8       | 1         | NPT         | 801301019  | M. A15 1" NPT    |
| Coupler | 3/4       | 3/4       | NPT         | 801301030  | F. A17 3/4 NPT   |
| Nipple  | 3/4       | 3/4       | NPT         | 801301031  | M. A17 3/4 NPT   |
| Coupler | 3/4       | 1         | NPT         | 801301000  | F. A17 1" NPT    |
| Nipple  | 3/4       | 1         | NPT         | 801301001  | M. A17 1" NPT    |
| Coupler | 1         | 1         | NPT         | 801301028  | F. A21 1" NPT    |
| Nipple  | 1         | 1         | NPT         | 801301029  | M. A21 1" NPT    |
| Coupler | 1         | 1 1/4     | NPT         | 801301016  | F. A21 11/4 NPT  |
| Nipple  | 1         | 1 1/4     | NPT         | 801301015  | M. A21 11/4 NPT  |
| Coupler | 1 1/4     | 1 1/4     | NPT         | 801301034  | F. A25 11/4 NPT  |
| Nipple  | 1 1/4     | 1 1/4     | NPT         | 801301035  | M. A25 11/4 NPT  |
| Coupler | 1 1/2     | 1 1/2     | NPT         | 801301018  | F. A30 11/2 NPT  |
| Nipple  | 1 1/2     | 1 1/2     | NPT         | 801301017  | M. A30 11/2 NPT  |

**Skid Steer Applications: Custom Ports**  
**Interchange: Parker FEM Series, Aeroquip FD89**  
**ISO 16028 Interchange: -Male Threads**

| Part    | Body Size | Port Size | Thread Type   | Order Code | Part Description      |
|---------|-----------|-----------|---------------|------------|-----------------------|
| Coupler | 3/8       | 1/2       | JIC Bulkhead  | 801306014  | F. A9 1/2 JIC BH      |
| Nipple  | 3/8       | 1/2       | JIC Bulkhead  | 801306015  | M. A9 1/2 JIC BH      |
| Coupler | 1/2       | 5/8       | JIC Bulkhead  | 803306000  | F. A13D 5/8 JIC BH    |
| Nipple  | 1/2       | 5/8       | JIC Bulkhead  | 801306017  | M. A13 5/8 JIC BH     |
| Coupler | 1/2       | 3/4       | JIC Bulkhead  | 801306024  | F. A13 3/4 JIC BH     |
| Nipple  | 1/2       | 3/4       | JIC Bulkhead  | 801306025  | M. A13 3/4 JIC BH     |
| Coupler | 3/4       | 3/4       | JIC Bulkhead  | 801306028  | F. A17 3/4 JIC BH     |
| Nipple  | 3/4       | 3/4       | JIC Bulkhead  | 801306029  | M. A17 3/4 JIC BH     |
| Coupler | 1/2       | 5/8       | JIC INT       | 803706002  | F. A13 TI 5/8 JIC INT |
| Nipple  | 1/2       | 5/8       | JIC INT       | 803706003  | M. A13 TI 5/8 JIC INT |
| Coupler | 1/2       | 5/8       | ORFS Bulkhead | 803313000  | F. A13D 5/8 ORFSBH    |
| Nipple  | 1/2       | 5/8       | ORFS Bulkhead | 801313001  | M. A13 5/8 ORFSBH     |
| Coupler | 1/2       | 3/4       | ORFS Bulkhead | 803313002  | F. A13D 3/4 ORFSBH    |
| Nipple  | 1/2       | 3/4       | ORFS Bulkhead | 801313005  | M. A13 3/4 ORFSBH     |
| Coupler | 1/2       | 1         | ORFS Bulkhead | 803313004  | F. A13D 1" ORFSBH     |
| Nipple  | 1/2       | 1         | ORFS Bulkhead | 801313007  | M. A13 1" ORFSBH      |

**Interchange: Parker FEM Series, Aeroquip FD89**  
**ISO 16028 Interchange: -SAE Thread**

| Part    | Body Size | Port Size | Thread Type | Order Code | Part Description   |
|---------|-----------|-----------|-------------|------------|--------------------|
| Coupler | 1/8       | 1/8       | SAE         | 801304002  | F. A4 3/16 SAE     |
| Nipple  | 1/8       | 1/8       | SAE         | 801304003  | M. A4 3/16 SAE     |
| Coupler | 1/4       | 3/8       | SAE         | 801304004  | F. A7 3/8 SAE      |
| Nipple  | 1/4       | 3/8       | SAE         | 800804001  | M. FIRG 14 3/8 SAE |
| Coupler | 3/8       | 3/8       | SAE         | 801304006  | F. A9 3/8 SAE      |
| Nipple  | 3/8       | 3/8       | SAE         | 801304005  | M. A9 3/8 SAE      |
| Coupler | 3/8       | 1/2       | SAE         | 801304008  | F. A9 1/2 SAE      |
| Nipple  | 3/8       | 1/2       | SAE         | 801304007  | M. A9 1/2 SAE      |
| Coupler | 3/8       | 5/8       | SAE         | 801304030  | F. A9 5/8 SAE      |
| Nipple  | 3/8       | 5/8       | SAE         | 801304031  | M.A9 5/8 SAE       |
| Coupler | 1/2       | 1/2       | SAE         | 803304004  | F. A13 1/2 SAE     |
| Nipple  | 1/2       | 1/2       | SAE         | 801304035  | M. A13 1/2 SAE     |
| Coupler | 1/2       | 5/8       | SAE         | 801304024  | F. A13 5/8 SAE     |
| Nipple  | 1/2       | 5/8       | SAE         | 801304025  | M. A13 5/8 SAE     |
| Coupler | 1/2       | 3/4       | SAE         | 801304010  | F. A13 3/4 SAE     |
| Nipple  | 1/2       | 3/4       | SAE         | 801304009  | M. A13 3/4 SAE     |
| Coupler | 5/8       | 3/4       | SAE         | 801304012  | F. A15 3/4 SAE     |
| Nipple  | 5/8       | 3/4       | SAE         | 801304011  | M. A15 3/4 SAE     |
| Coupler | 3/4       | 3/4       | SAE         | 801304028  | F. A17 3/4 SAE     |
| Nipple  | 3/4       | 3/4       | SAE         | 801304029  | M. A17 3/4 SAE     |
| Coupler | 3/4       | 1         | SAE         | 801304000  | F. A17 1" SAE      |
| Nipple  | 3/4       | 1         | SAE         | 801304001  | M. A17 1" SAE      |
| Coupler | 1         | 1         | SAE         | 801304038  | F. A21 1" SAE      |
| Nipple  | 1         | 1         | SAE         | 801304039  | M. A21 1" SAE      |
| Coupler | 1         | 1 1/4     | SAE         | 801304014  | F. A21 1 1/4 SAE   |
| Nipple  | 1         | 1 1/4     | SAE         | 801304013  | M. A21 1 1/4 SAE   |
| Coupler | 1 1/4     | 1 1/4     | SAE         | 801304042  | F. A25 1 1/4 SAE   |
| Nipple  | 1 1/4     | 1 1/4     | SAE         | 801304043  | M. A25 1 1/4 SAE   |
| Coupler | 1 1/2     | 1 1/2     | SAE         | 801304016  | F. A30 1 1/2 SAE   |
| Nipple  | 1 1/2     | 1 1/2     | SAE         | 801304015  | M. A30 1 1/2 SAE   |



Coupler



Nipple

**Hand Tool Applications: Special Configuration**  
**Interchange: Parker FEM Series, Aeroquip FD49 Interchange: ISO 16028**

| Part    | Body Size | Port Size | Thread Type | Order Code | Part Description       |
|---------|-----------|-----------|-------------|------------|------------------------|
| Coupler | 3/8       | 3/8       | Male SAE    | 803704004  | F. A9 3/8 T30 SAE EXT. |
| Nipple  | 3/8       | 3/8       | Male SAE    | 801304037  | M.A9 3/8 SAE EXT       |
| Coupler | 3/8       | 1/2       | Male SAE    | 803704006  | F. A9 1/2 T30 SAE EXT. |
| Coupler | 3/8       | 1/2       | Male SAE    | 801304032  | F.A9 1/2 SAE EXT       |
| Nipple  | 3/8       | 1/2       | Male SAE    | 801304033  | M.A9 1/2 SAE EXT       |
| Coupler | 3/8       | 3/8       | Female NPT  | 803601000  | F. FIRG 38 T30 NPT     |
| Coupler | 3/8       | 1/2       | Female NPT  | 803601002  | F. FIRG 12 T30 NPT     |

