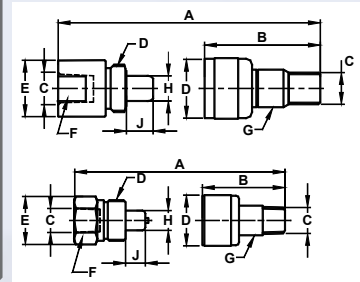
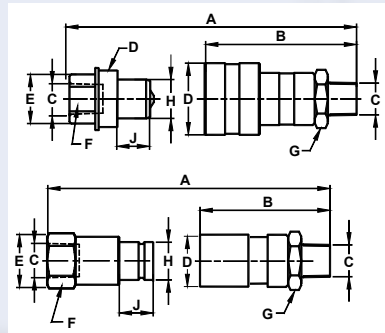


# COUPLERS AND SPREADERS

## Hydraulic Couplers

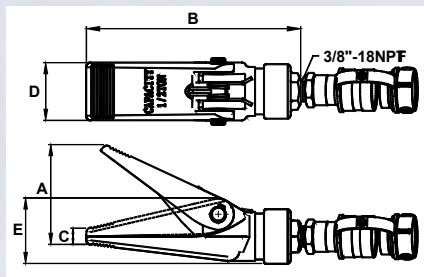


| Coupler Type         | Model Number |           |             | Dimensions (in) |      |             |            |      |      |      |      |      |
|----------------------|--------------|-----------|-------------|-----------------|------|-------------|------------|------|------|------|------|------|
|                      | Complete Set | Male Half | Female Half | A*              | B    | C           | D          | E    | F    | G    | H    | J    |
| High-Flow Coupler    | CH38         | CH38M     | CH38F       | 3.35            | 2.84 | 3/8"-18NPTF | 1-3/16"-16 | 1.10 | 0.94 | 1.00 | 0.75 | 0.63 |
| Flush-Face Coupler   | CFS38        | CFS38M    | CFS38F      | 4.36            | 2.85 | 3/8"-18NPTF | 1.19       | 1.21 | 1.06 | 1.12 | 0.79 | 0.63 |
| Regular-Flow Coupler | CR38         | CR38M     | CR38F       | 3.15            | 2.20 | 3/8"-18NPTF | 15/16"-20  | 1.04 | 0.94 | 0.73 | 0.50 | 0.53 |
| Zinc Coupler         | CRZ14        | CRZ14M    | CRZ14F      | 2.42            | 1.67 | 1/4"-18NPTF | 13/16"-20  | 0.95 | 0.83 | 0.58 | 0.39 | 0.35 |

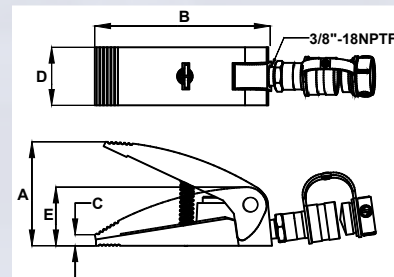
\* Value A is total length when male and female couplers are connected.

## Spreaders

- Designed to work in confined working space



SR5



SR10

| Cylinder Capacity (tons) | Model Number | Cylinder Effective Area (in <sup>2</sup> ) | Oil Capacity (in <sup>3</sup> ) | Dimensions (in) |      |      |      |      | Weight (lbs) |
|--------------------------|--------------|--------------------------------------------|---------------------------------|-----------------|------|------|------|------|--------------|
|                          |              |                                            |                                 | A               | B    | C    | D    | E    |              |
| 0.5                      | SR05         | 1.22                                       | 0.58                            | 3.54            | 7.57 | 0.51 | 2.05 | 2.36 | 4.8          |
| 1                        | SR10         | 1.09                                       | 0.86                            | 3.90            | 6.57 | 0.47 | 2.17 | 2.20 | 4.8          |