

HQ SERIES

Flat face couplings made to the ISO 16028 Standard

INTRODUCTION

The HQ Series flat face couplings are Holmbury's flagship products, known globally for their leak free performance in high pressure pulse, hammer circuits and many other applications. Preferred choice for many global OEMs.

CONSTRUCTION

- Carbon steel with zinc nickel plating (1200 hours with no red rust in salt spray tests)
- Fitted with Nitrile seals (Viton seals available)
- Also available in AISI 316 stainless steel (See HSS Series)

FEATURES

- Safety locking sleeve fitted as standard to prevent accidental disconnection
- Flat faces are easily wiped clean
- Allows for minimal inclusion of air and contaminants during connection
- Flat face design prevents fluid loss during disconnection
- Bidirectional flow

ACCESSORIES

- Dust Caps, Plugs and Parking Stations are available for the HQ Series



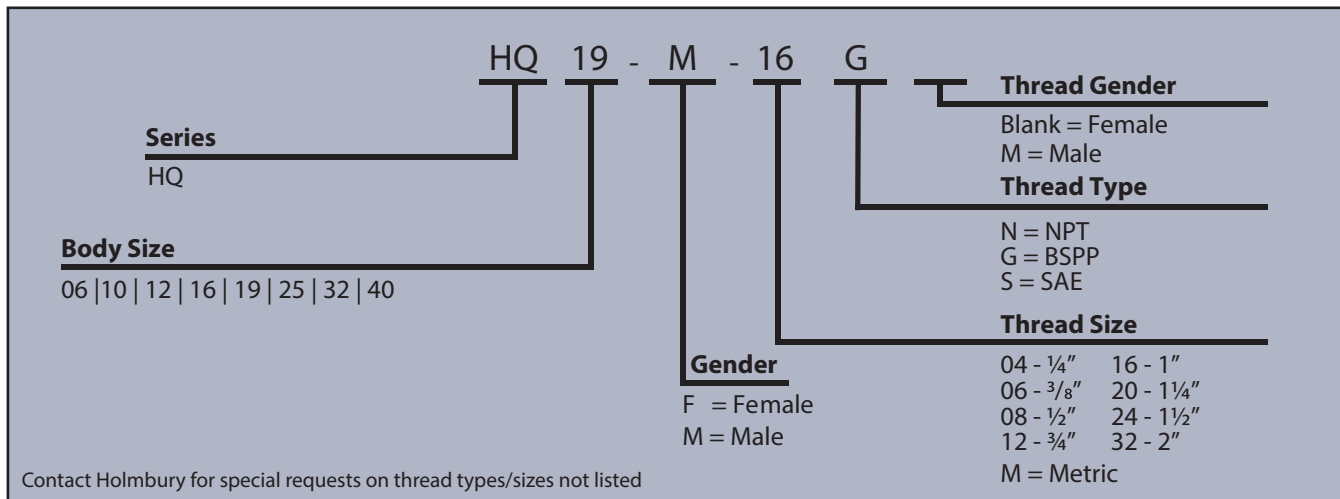
SPECIFICATIONS

- Operating temperatures (With Nitrile seals): -40°C (-40°F) to 106°C (223°F), (With Viton seals): -20°C (-4°F) to 200°C (392°F)
- Couplings have been tested to the ISO 7241-2 Standard

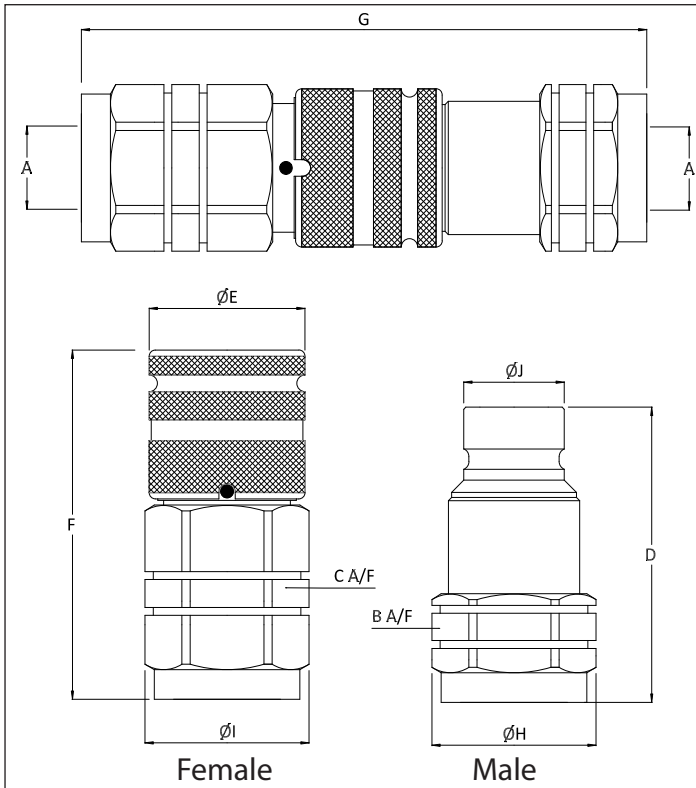
APPLICATIONS

- Hammer circuits
- High pressure pulse applications
- Leak free environments
- Construction plant, mobile equipment, general industrial, nuclear, mining and agricultural industries

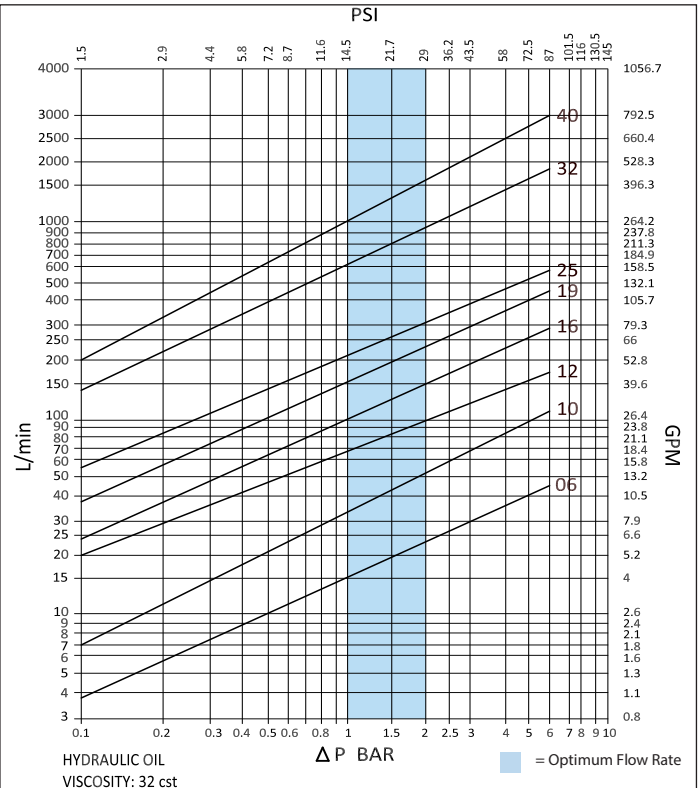
ORDER CODES



DRAWING



PRESSURE DROP CHARACTERISTICS



DIMENSIONS

| Size | Thread Size (A) | B | C | D | ØE | F | G | ØH | ØI | ØJ | Maximum Working Pressure | Burst Pressure (Coupled) | Burst Pressure (Male) | Burst Pressure (Female) |
|-------|-----------------|----------------------|------|-------|-------|-------|-------|-------|-------|------|--------------------------|--------------------------|-----------------------|-------------------------|
| | | Dimensions in mm | | | | | | | | | Bar | | | |
| | | Dimensions in Inches | | | | | | | | | Psi | | | |
| HQ 06 | 1/4" | 22.0 | 27.0 | 53.8 | 28.0 | 54.3 | 97.0 | 24.0 | 29.0 | 16.2 | 400 | 1700 | 1220 | 1500 |
| | | 0.9 | 1.1 | 2.1 | 1.1 | 2.1 | 3.8 | 0.9 | 1.1 | 0.6 | 5800 | 24650 | 17690 | 21750 |
| HQ 10 | 3/8" | 27.0 | 30.0 | 60.2 | 31.8 | 69.3 | 113.3 | 29.0 | 32.0 | 19.7 | 350 | 1500 | 1050 | 1100 |
| | | 1.1 | 1.2 | 2.4 | 1.3 | 2.7 | 4.5 | 1.1 | 1.3 | 0.8 | 5075 | 21750 | 15225 | 15950 |
| HQ 10 | 1/2" | 27.0 | 30.0 | 63.2 | 31.8 | 74.2 | 121.5 | 29.0 | 32.0 | 19.7 | 350 | 1500 | 1050 | 1100 |
| | | 1.1 | 1.2 | 2.5 | 1.3 | 2.9 | 4.8 | 1.1 | 1.3 | 0.8 | 5075 | 21750 | 15225 | 15950 |
| HQ 12 | 1/2" & 3/4" | 36.0 | 36.0 | 71.2 | 37.8 | 83.7 | 137.7 | 40.0 | 40.0 | 24.5 | 350 | 1200 | 1000 | 1050 |
| | | 1.4 | 1.4 | 2.8 | 1.5 | 3.3 | 5.4 | 1.6 | 1.6 | 1.0 | 5075 | 17400 | 14500 | 15225 |
| HQ 16 | 3/4" | 36.0 | 41.0 | 73.1 | 42.0 | 83.9 | 139.8 | 38.5 | 45.1 | 27.0 | 350 | 1200 | 1100 | 1100 |
| | | 1.4 | 1.6 | 2.9 | 1.7 | 3.3 | 5.5 | 1.5 | 1.8 | 1.1 | 5075 | 17400 | 15950 | 15950 |
| HQ 19 | 1" | 46.0 | 46.0 | 84.0 | 45.5 | 99.0 | 161.6 | 50.3 | 50.2 | 30.0 | 350 | 1450 | 1050 | 1050 |
| | | 1.8 | 1.8 | 3.3 | 1.8 | 3.9 | 6.4 | 2.0 | 2.0 | 1.2 | 5075 | 21025 | 15225 | 15225 |
| HQ 25 | 1 1/4" | 55.0 | 55.0 | 90.4 | 55.0 | 106.2 | 173.3 | 59.7 | 59.7 | 36.0 | 260 | 800 | 800 | 800 |
| | | 2.2 | 2.2 | 3.6 | 2.2 | 4.2 | 6.8 | 2.4 | 2.4 | 1.4 | 3770 | 11600 | 11600 | 11600 |
| HQ 32 | 1 1/2" | 70.0 | 70.0 | 119.8 | 79.0 | 118.5 | 209.5 | 77.0 | 79.0 | 57.0 | 250 | 1100 | 1200 | 1200 |
| | | 2.8 | 2.8 | 4.7 | 3.1 | 4.7 | 8.2 | 3.0 | 3.1 | 2.2 | 3625 | 15950 | 17400 | 17400 |
| HQ 40 | 2" | 80.0 | 80.0 | 173.4 | 103.0 | 145.5 | 282.3 | 106.2 | 106.2 | 72.9 | 250 | 1000 | 1000 | 1000 |
| | | 3.1 | 3.1 | 6.8 | 4.1 | 5.7 | 11.1 | 4.2 | 4.2 | 2.9 | 3625 | 14500 | 14500 | 14500 |

PSI= Bar x14.5 Inches= mm/25.4

