

SCREW TO CONNECT FLAT FACE COUPLING

HFT SERIES

FOR HIGH PRESSURE PULSE APPLICATIONS

INTRODUCTION

HFT Series, screw flat face couplings are immune to Brinelling, so they are ideal for systems subjected to high pressure pulses. **They are also capable of connecting under pressure** (up to a max static residual pressure of 350 bar).

FEATURES

- ✔ Screw thread connection eliminates Brinelling.
- ✔ Non-spill design avoids fluid loss during connection and disconnection.
- ✔ Flat mating faces of both male and female couplers are easily wiped clean to prevent the ingress of contaminants.
- ✔ Sleeve on female can be pushed back for access to the mating face.
- ✔ Operating Temperatures (with NBR seals): -40°C to 106°C
- ✔ Bi-directional flow
- ✔ Zinc nickel plating provides good corrosion resistance (1200 hours with no red rust in salt spray tests)
- ✔ Can connect under pressure (up to a max static residual pressure of 350 bar)
- ✔ Dimensionally interchangeable with VEP-P series screw flat face couplings.

APPLICATIONS

High pressure pulse applications. Hydraulic attachments and hammer circuits (*hand held and excavator mounted breakers, shears, augers, trenchers*). Plant and equipment where non-spill disconnection is essential.

MATERIALS

Carbon steel body with zinc nickel finish. Fitted with nitrile (NBR) seals.

CAN CONNECT UNDER PRESSURE
(up to 350 bar of static pressure)



Performance Characteristics	Body Size					
	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
Maximum Working Pressure (Coupled)	550 Bar	550 Bar	550 Bar	500 Bar	470 Bar	400 Bar
	7975 PSI	7975 PSI	7975 PSI	7250 PSI	6815 PSI	5800 PSI
Burst Pressure (Coupled)	1400 Bar	1400 Bar	1400 Bar	1400 Bar	1300 Bar	1100 Bar
	20300 PSI	20300 PSI	20300 PSI	20300 PSI	18850 PSI	15950 PSI
Burst Pressure (Male)	1400 Bar	1400 Bar	1400 Bar	1400 Bar	1300 Bar	1100 Bar
	20300 PSI	20300 PSI	20300 PSI	20300 PSI	18850 PSI	15950 PSI
Burst Pressure (Female)	1100 Bar	1000 Bar	1000 Bar	1050 Bar	1000 Bar	800 Bar
	15950 PSI	14500 PSI	14500 PSI	15225 PSI	14500 PSI	11600 PSI
Rated Flow	23 L/min	45 L/min	74 L/min	100 L/min	189 L/min	250 L/min
	6.1 GPM	12 GPM	20 GPM	26.4 GPM	50 GPM	66 GPM

Disconnection of any hydraulic coupling under pressure is very dangerous and should not be attempted.

✔ The right connector
✔ The right price

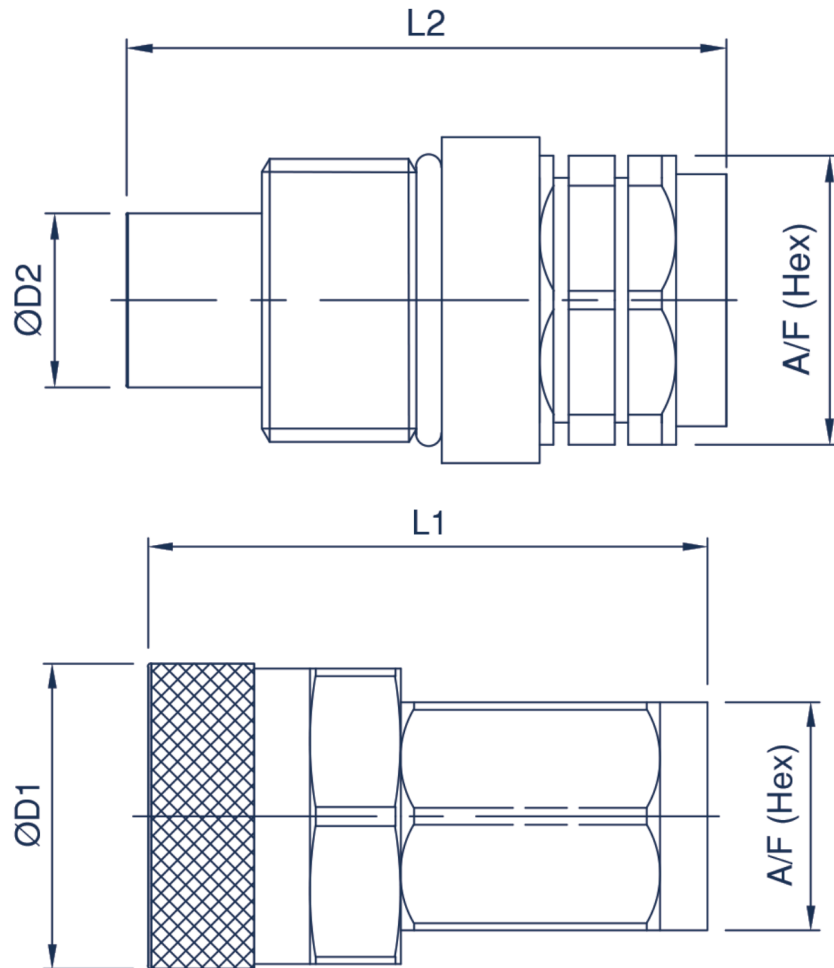
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AU: +61 8 9244 8266



Dimensions



Male Coupler (QFM...HFT)

Part Number*	Body Size	Thread	ØD2	L2	AF (hex)
QFM-BPF-HFT-1006	3/8"	3/8" BSPP F	19.7	85	27
QFM-BPF-HFT-1008	3/8"	1/2" BSPP F	19.7	85	27
QFM-BPF-HFT-1208	1/2"	1/2" BSPP F	24.5	95	36
QFM-BPF-HFT-1212	1/2"	3/4" BSPP F	24.5	95	36
QFM-BPF-HFT-1916	3/4"	1" BSPP F	29.9	114	46

*Other body sizes and threads (NPTF, UN) available on request

Female Coupler (QFF...HFT)

Part Number*	Body Size	Thread	ØD1	L1	AF (hex)
QFF-BPF-HFT-1006	3/8"	3/8" BSPP F	38	71	30
QFF-BPF-HFT-1008	3/8"	1/2" BSPP F	38	71	30
QFF-BPF-HFT-1208	1/2"	1/2" BSPP F	45	78	36
QFF-BPF-HFT-1212	1/2"	3/4" BSPP F	45	78	36
QFF-BPF-HFT-1916	3/4"	1" BSPP F	54	100	46

All dimensions in mm unless otherwise stated. Dimensions shown are for guidance only, if critical contact FC staff.

✓ The right connector
✓ The right price

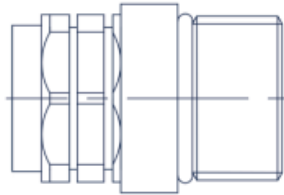
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QFM-BPF-HFT

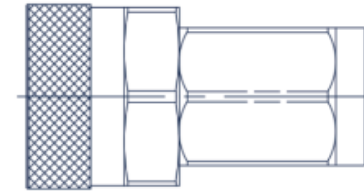


Fluidconnectors

TECHNICAL ALERT

HFT Series couplers

QFF-BPF-HFT



WARNING: Incorrect installation prior to use risks serious injury to persons and damage to the couplers or equipment. Any damage caused to the seals by incorrect installation will void the manufacturer's warranty.

Installation Instructions:

The following procedure **MUST** be adhered to:

1. Thread the rotating outer sleeve onto the male thread until hand tight.
2. Use a suitable wrench to tighten the outer sleeve further, until metal-to-metal contact is made and the oring is completely covered

- WRONG -
*Partially
Connected*



- CORRECT -
*Fully
Connected*

3. Check the coupler connection before, during, and after use to ensure full and proper connection is always maintained.

