

# FLAT FACE COUPLINGS

## QFM & QFF, HQ SERIES

### ISO 16028 INTRODUCTION

HQ series couplings are designed for conditions involving dusty or dirty environments and where oil loss on disconnection cannot be tolerated. They are suited to be used in a wide range of applications such as construction plants, mobile equipment, general industrial, mining, agricultural and high pressure pulse applications. Sizes up to 1" are generally suitable for smaller, light duty hammer circuits. For heavy duty hammer circuits or sizes larger than 1", we recommend upgrading to a screw together coupling (QSF & QSM).

#### FEATURES

- Operating Temperatures (with NBR seals): -40°C to 106°C
- Flat mating faces are easily wiped clean to prevent the ingress of contaminants.
- Improved flow path minimizes the pressure drop.
- Non-spill design avoids fluid loss during connection and disconnection.
- No air intrusion during connection.
- Locking sleeve prevents accidental disconnection.
- Optional zinc nickel plating provides good corrosion resistance (1200 hours with no red rust in salt spray tests)

#### MATERIALS

Carbon steel body, treated to increase hardness and corrosion resistance, nitrile seals.

#### CONNECTION UNDER PRESSURE

Connection with residual pressure in the line will be difficult or impossible. For applications where connection under pressure is required, we recommend using flat face PC male couplings, or screw couplings from either the HFT or HS ranges .

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



Performance Characteristics	Body Size								
	1/8" *	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"
Maximum Working Pressure (Coupled)	450 Bar	400 Bar	375 Bar	350 Bar	350 Bar	350 Bar	315 Bar	250 Bar	250 Bar
	6525 PSI	5800 PSI	5438 PSI	5075 PSI	5075 PSI	5075 PSI	4568 PSI	3625 PSI	3625 PSI
Burst Pressure (Coupled)	1750 Bar	1600 Bar	1550 Bar	1400 Bar	1500 Bar	1450 Bar	1000 Bar	1100 Bar	1000 Bar
	25380 PSI	23200 PSI	22475 PSI	20300 PSI	21750 PSI	21025 PSI	14500 PSI	15950 PSI	14500 PSI
Burst Pressure (Male)	1750 Bar	1850 Bar	1200 Bar	1300 Bar	1200 Bar	1100 Bar	1000 Bar	1200 Bar	1000 Bar
	25380 PSI	26825 PSI	17400 PSI	18850 PSI	17400 PSI	15950 PSI	14500 PSI	17400 PSI	14500 PSI
Burst Pressure (Female)	1750 Bar	1220 Bar	1050 Bar	1000 Bar	1050 Bar	1050 Bar	1000 Bar	1200 Bar	1000 Bar
	25380 PSI	17690 PSI	15225 PSI	14500 PSI	15225 PSI	15225 PSI	14500 PSI	17400 PSI	14500 PSI
Rated Flow	3 L/min	12 L/min	23 L/min	45 L/min	74 L/min	100 L/min	189 L/min	250 L/min	379 L/min
	0.8 GPM	3.2 GPM	6.1 GPM	12 GPM	19.5 GPM	26.4 GPM	50 GPM	66 GPM	100 GPM

\*Size 1/8" is not covered by ISO 16028 standard, but is this size is available on request.

✓ The right connector  
✓ The right price

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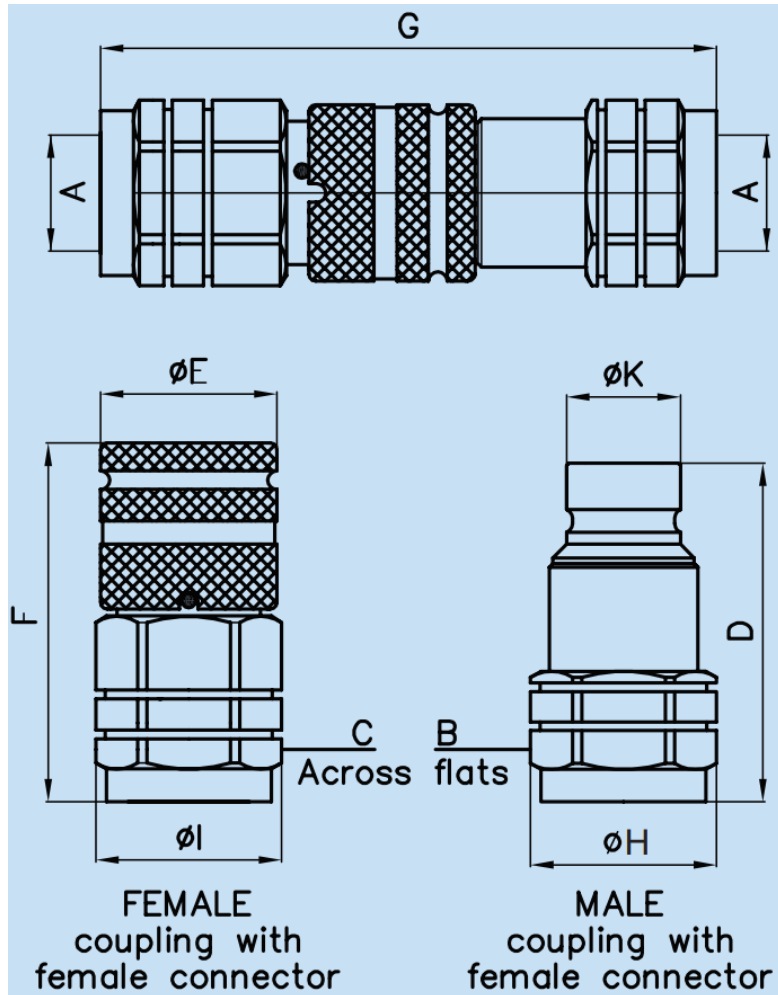
NZ: +64 9 274 4830

AU: +61 8 9244 8266





### Dimensions



### Female Coupler (QFF-...HQ)

Part Number	Body Size	A (Thread)*	C	F	$\phi I$	$\phi E$	G
QFF-BPF-HQ-0604	1/4"	1/4" BSPP F	27	54.7	28.9	27.9	97.2
QFF-BPF-HQ-1006	3/8"	3/8" BSPP F	30	69	32	31.9	113.3
QFF-BPF-HQ-1008	3/8"	1/2" BSPP F	30	74.1	32	31.9	121.2
QFF-BPF-HQ-1208	1/2"	1/2" BSPP F	36	84	40	37.9	138
QFF-BPF-HQ-1212	1/2"	3/4" BSPP F	36	84	40	37.9	138
QFF-BPF-HQ-1612	5/8"	3/4" BSPP F	41	84.4	45	42	140
QFF-BPF-HQ-1912	3/4"	3/4" BSPP F	46	98.8	50	46	155.8
QFF-BPF-HQ-1916	3/4"	1" BSPP F	46	98.8	50	46	155.8
QFF-BPF-HQ-2516	1"	1" BSPP F	55	111.8	60	55.4	179
QFF-BPF-HQ-2520	1"	1-1/4" BSPP F	55	111.5	60	54.9	171.5
QFF-BPF-HQ-3224	1-1/4"	1-1/2" BSPP F	70	119	77	79	210
QFF-BPF-HQ-4032	1-1/2"	2" BSPP F	80	148	88	103	280

*\*Alternative threads (NPTF, UN) available on request for both male and female couplers*

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

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