Holmbury
Flat Face Couplers

QFF/QFM HD SERIES 1/4" – 1 1/4"

Manufactured to the folowing standards
ISO 16028:1999/AMD.1:2006(E)

QFF/QFM STD Series 1 1/2" & 2"

These two sizes are not covered by the International Standard

INTRODUCTION

HD-Heavy Duty Series couplings are designed for use in the following applications, construction plant, mobile equipment, general industrial, nuclear, mining, agricultural and pulsating circuits.

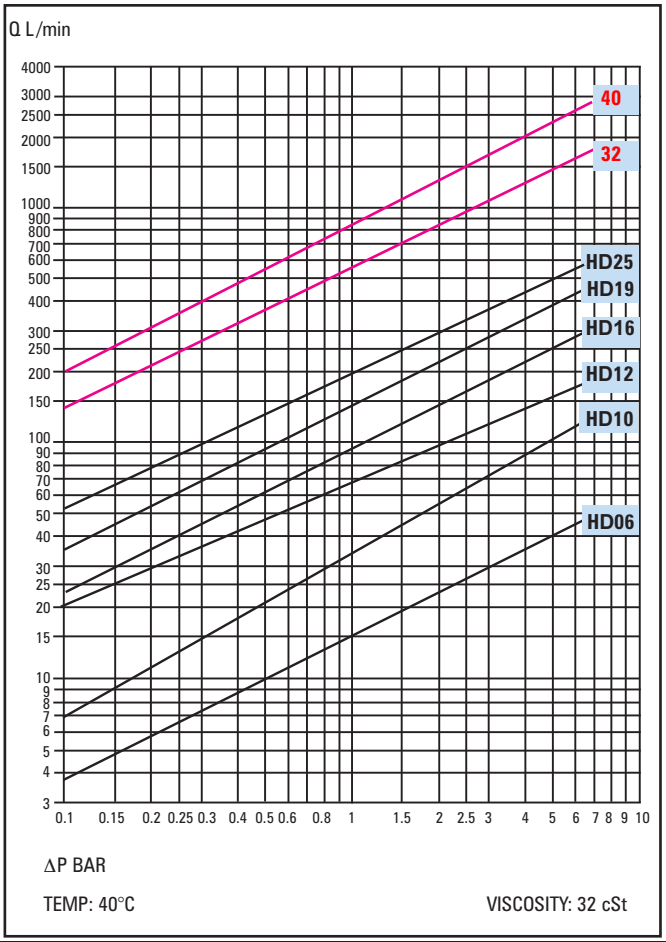
STD Series couplings are suitable for similar applications as those listed above provided the environment is not as aggressive.

Both HD and STD Series couplings are suitable for applications that involve dirty and/or dusty environments and where no oil loss on disconnection is ideal.

MATERIALS

The carbon steel body has been treated to increase hardness and corrosion resistance, nitrile seals. STD Series couplings have standard plating.

PRESSURE DROP FLOW CHART



BENEFITS OF HOLMBURY FLAT FACE COUPLERS

The Flat mating faces can be easily wiped clean to prevent contamination.
The couplers have Improved flow path to reduce pressure drop. This design prevents loss of fluid during connection/disconnection
The design also prevents air intrusion during connection.
It also comes with a Locking sleeve that will prevent unintentional disconnection.
Their NEW Zinc nickel surface treatment surpasses chrome 6 & exceeds 200 hour salt spray tests to white rust. Which means these couplers are fantastic for OEM applications

CONNECTION / DISCONNECTION UNDER PRESSURE

Connection with residual pressure in the line will be difficult or impossible. For applications where connection under pressure is required, our QFM-PC(Pressure Connect) male couplings, or screw couplings from either the HSC or SP ranges are recommended.
Disconnection of any quick disconnect / quick release coupling whilst under full system pressure can be very dangerous and should not be attempted.

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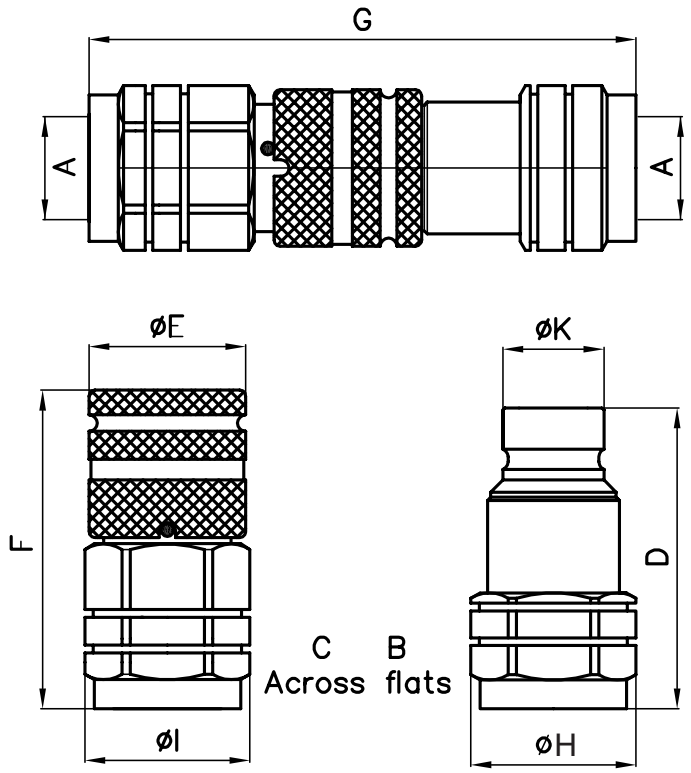

DIMENSIONS (mm except where stated)

Size	Nominal Diameter	A*	B	C	D	ØE	F	G*	ØH	ØI	ØK
HD06	6	1/4"	22	27	48	28	54	90.5	24	29	16.2
HD10	10	3/8"	27	30	60	32	69	113.5	29	32	19.8
HD10	10	1/2"	27	30	63	32	75	121.5	29	32	19.8
HD12	12	1/2"	36	36	71	38	83.5	138	40	40	24.5
HD12	12	3/4"	36	36	71	38	83.5	138	40	40	24.5
HD16	16	3/4"	36	41	73	42	84	140	38.5	45	26.95
HD19	19	3/4"	46	46	84	47	98.5	161	50	50	30
HD19	19	1"	46	46	84	47	98.5	161	50	50	30
HD25	25	1 1/4"	55	55	90	55	106	174	60	60	36.1
32	32	1 1/2"	70	70	120	79	119	210	70	72	57
40	40	2"	70	70	114	79	118	210			

* Dimensions for BSP Threads

PRESSURE RATINGS (bar)

Size / Pressure	HD06	HD10	HD12	HD16	HD19	HD25	32	40
Max. working pressure coupled	400	375	350	350	350	315	250	250
Coupled burst pressure	2000	1500	1500	1500	1450	1000	1000	1000
Male burst pressure	1850	1200	1200	1200	1200	1000	1000	1000
Female burst pressure	1220	1200	1050	1050	1050	1000	1000	1000

OPERATING TEMP FOR SEALS

	Seal material	Max Temp	Min Temp
****	Nitrile	100°C	-20°C
****	Viton	180°C	-15°C

* Standard seal used is Nitrile.