

FLAT FACE COUPLINGS

H SERIES

FULLY COMPLIANT WITH
ISO 16028:1999/AMD.1:2006(E)

APPLICATIONS

Construction plant, mobile equipment, general industrial, nuclear, mining and agricultural. Applications involving dusty or dirty environments and where oil loss on disconnection cannot be tolerated.

ADVANTAGES

- ★ Flat mating faces are easily wiped clean to prevent the ingress of contaminants.
- ★ Improved flow path minimises the pressure drop.
- ★ Non-spill design avoids fluid loss during connection and disconnection.
- ★ No air intrusion during connection.
- ★ Locking sleeve prevents accidental disconnection.

STANDARDS

Conforms to ISO 16028 (2006) in all respects, i.e. dimensions and performance.

MATERIALS

Hardened carbon steel body, zinc plated, nitrile seals.

CARE AND OPERATION

Please refer to 'Care and Operation of Flat Face Couplings', which can be found on page 53.

CONNECTION / DISCONNECTION UNDER PRESSURE

Connection with residual pressure in the line will be difficult or impossible. For applications where connection under pressure is required, a Holmbury APM male coupling, or a screw coupling from either the HSC, HS or RS ranges is recommended.

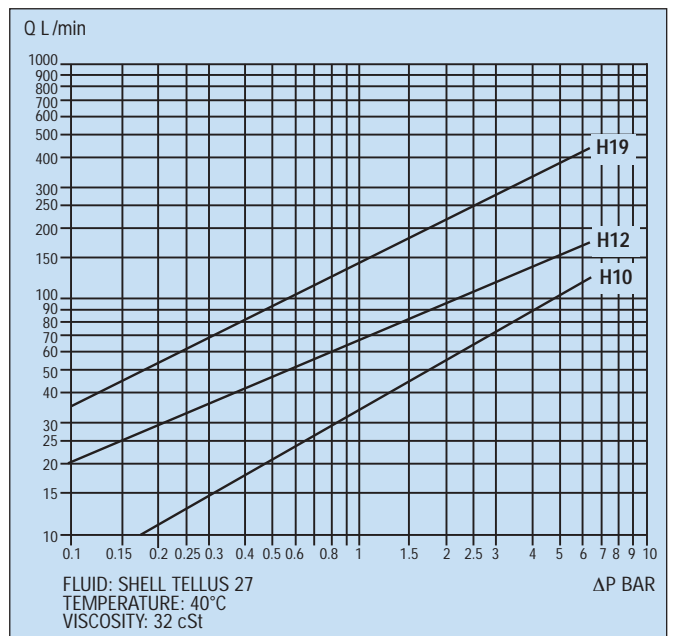
Disconnection of any quick disconnect / quick release coupling whilst under full system pressure can be very dangerous and should not be attempted.

OPERATING TEMPERATURES

See table on page 5.

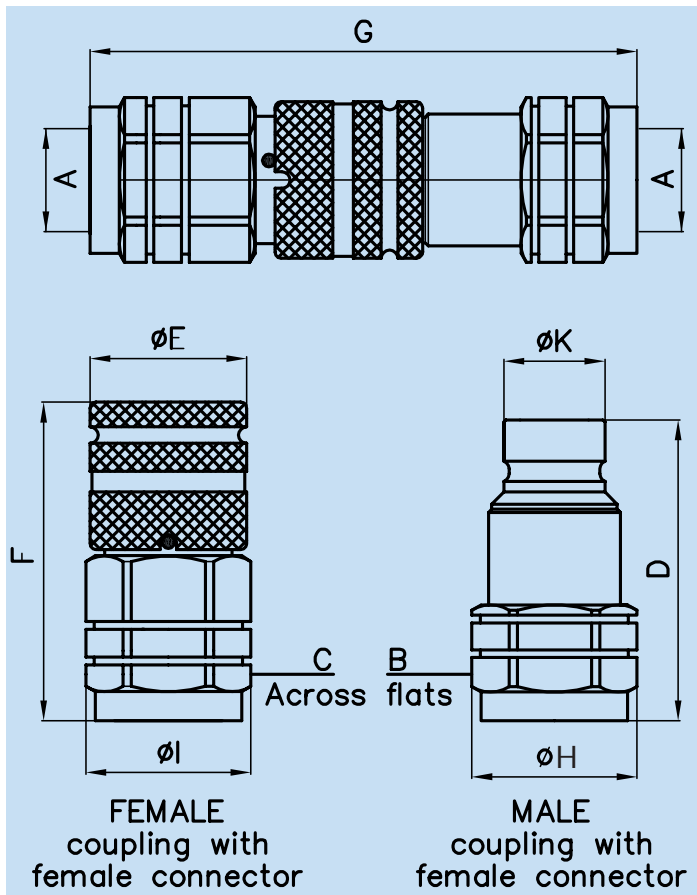


PRESSURE DROP CHARACTERISTICS



DUST CAPS - SEE PAGE 74





DIMENSIONS (mm except where stated)

Size	Nominal Diameter	A*	B	C	D	ØE	F	G*	ØH	ØI	ØK	Weight (kg)
H10	10	3/8"	27	30	60	32	69	113.5	29	32	19.8	0.4
H10	10	1/2"	27	30	63	32	75	121.5	29	32	19.8	0.4
H12	12	1/2"	36	36	71	38	83.5	138	40	40	24.5	0.7
H12	12	3/4"	36	36	71	38	83.5	138	40	40	24.5	0.7
H19	19	3/4"	46	46	84	47	98.5	161	50	50	30	1.35
H19	19	1"	46	46	84	47	98.5	161	50	50	30	1.35

* Dimensions for BSP and NPT threads. Other threads available, see Order Codes opposite

SEAL OPERATING TEMPERATURES

Seal material code	Seal material	Maximum temperature	Minimum Temperature
None*	Nitrile	100°C	-20°C
NE	Neoprene	90°C	-40°C
E	EPDM	150°C	-40°C
V	Viton	180°C	-15°C
S	Fluorosilicone	150°C	-50°C
K	Kalrez	300°C	-25°C

* No seal code required for Nitrile because it is standard.

PRESSURE RATING (bar)

Pressure \ Size	H10	H12	H19
Maximum working pressure coupled	315	315	315
Burst pressure coupled	1350	1350	1305
Burst pressure male	1200	1080	1080
Burst pressure female	1080	945	945

ORDER CODES

H 10 - M - 06 G

H = H Series

Coupling Size

M = Male coupling
F = Female coupling

Thread size based on dash system
 06 = 3/8"
 08 = 1/2"
 10 = 5/8"
 12 = 3/4"
 16 = 1"

Thread form
 G = BSP P
 R = BSP T
 N = NPT F
 S = SAE
 FS = ORFS
 J = JIC
 M = Metric
 ML = Low pressure DIN 2353
 MS = High pressure DIN 2353

M = Male thread
Blank = Female thread (no code required)

Blank = Nitrile Seals (no code required)

Any other necessary information

Example: H10-M-06 G
 H10 male, 3/8" BSP P female thread, nitrile seals, no special requirements.