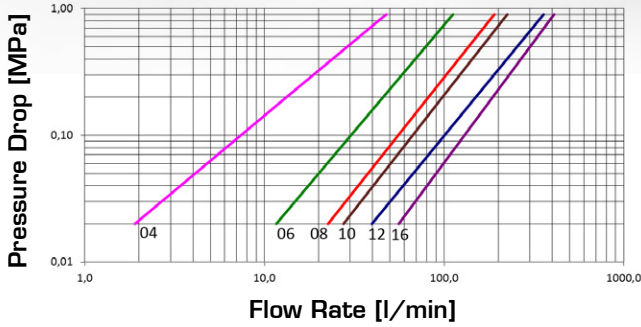


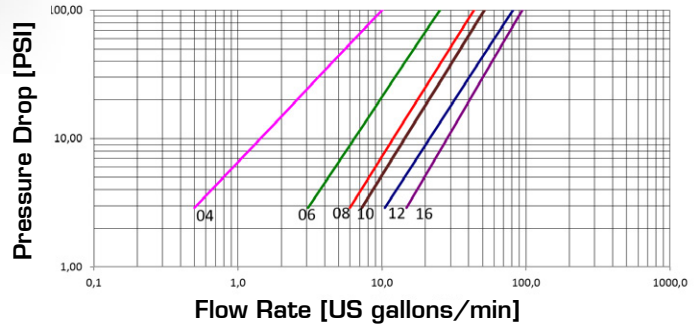
FLAT FACE HIGH PRESSURE



Pressure Drop



Pressure Drop



TECHNICAL DATA

SIZE			MPa		MPa		FLOW RATE		N		Oil Spillage		MINIMUM BURST PRESSURE						CONNECTION WITH FEMALE UNDER PRESSURE [MALE AT 0 MPa]
DN	inch	Dash	MPa	PSI	MPa	PSI	l/min	US GPM	N	lb.	cc.	cubic inch	Male		Female		M & F		
			MPa	PSI	MPa	PSI							MPa	PSI	MPa	PSI	MPa	PSI	
6.3	1/4	04	35	5075	35	5075	13	3.4	120	27.0	0.005	0.0003	180	26100	150	21750	190	27550	Allowed up to 6 MPa
10	3/8	06	35	5075	35	5075	46	12.2	130	29.2	0.007	0.0004	170	24650	140	20300	170	24650	Allowed up to 6 MPa
12.5	1/2	08	35	5075	35	5075	82	21.7	150	33.7	0.008	0.0005	160	23200	150	21750	170	24650	Allowed up to 4 MPa
16	5/8	10	35	5075	35	5075	98	25.9	160	36.0	0.008	0.0005	170	24650	150	21750	170	24650	Allowed up to 3 MPa
19	3/4	12	35	5075	35	5075	150	39.6	210	47.2	0.009	0.0005	150	21750	150	21750	160	23200	Allowed up to 2 MPa
25	1	16	35	5075	35	5075	186	49.1	210	47.2	0.02	0.0012	160	23200	170	24650	160	23200	Allowed up to 2 MPa

Connection with Male under pressure not allowed; Disconnection under pressure not allowed
 The rated flow represents the normal operating condition. The maximum recommended flow rate is equal to 1.5 times the rated flow

PRODUCT DESCRIPTION

- MQS-FH is the flat-face line for heavy-duty application setting with 35MPa of working pressure in connected and disconnected conditions
- Push connection and pulling back the sleeve for disconnection
- Safety system on female part to prevent accidental disconnection
- Interchangeable with ISO 16028
- 1 Million impulse cycles qualified
- E-Coat 1000 plating

MATERIAL

Female & male couplings in high grade carbon steel with hardened areas in correspondence to the most stressed points. Male vs. female Sealing system in new Polyurethane compound; other seals in NBR with back-up in PTFE.

WORKING TEMPERATURE

-22°F up to +230°F (-30°C up to +110°C)

SAFETY FACTOR

4:1 for dynamic pressures

IMPULSE PRESSURES

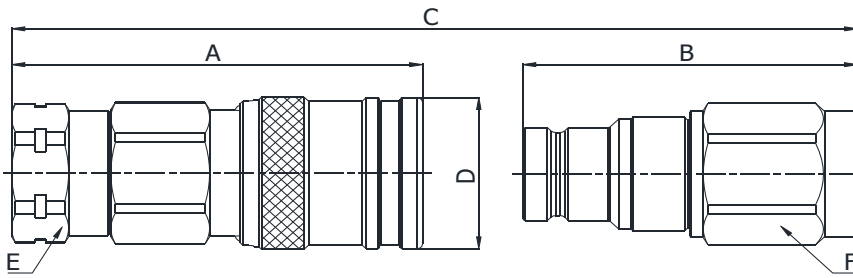
1,000,000 cycles at 120% of rated one (freq. 1Hz)

TEST SPECIFICATIONS

ISO 18869

Q04411041A Q04311041A

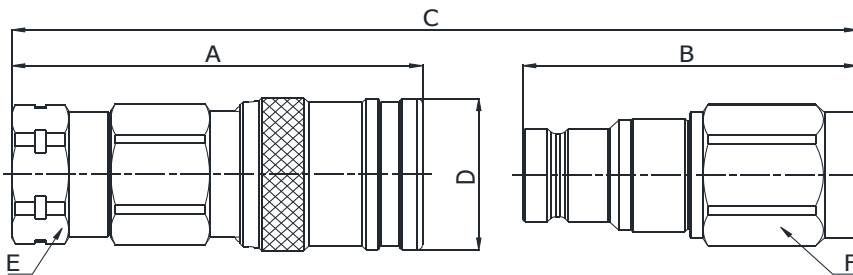
BSP TERMINATION ENDS
TO DIN 3852 X TYPE



SIZE			PART NUMBER		THREAD	DIMENSIONS mm					
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F
6.3	1/4"	-04	Q04411041A-04-04	Q04311041A-04-04	1/4"	65.2	52.4	A+B-11,1	ø28	24	22
10	3/8"	-06	Q04411041A-06-06	Q04311041A-06-06	3/8"	78.3	63.8	A+B-15,9	ø32	27	27
10	3/8"	-06	Q04411041A-06-08	Q04311041A-06-08	1/2"	81.3	67.8	A+B-15,9	ø32	27	27
12.5	1/2"	-08	Q04411041A-08-08	Q04311041A-08-08	1/2"	88.5	71.3	A+B-17,1	ø38	34	34
12.5	1/2"	-08	Q04411041A-08-12	Q04311041A-08-12	3/4"	90.5	75.8	A+B-17,1	ø38	34	34
16	5/8"	-10	Q04411041A-10-12	Q04311041A-10-12	3/4"	94.6	76.4	A+B-17,1	ø42	36	34
20	3/4"	-12	Q04411041A-12-12	Q04311041A-12-12	3/4"	108	89.8	A+B-21,7	ø48	41	41
20	3/4"	-12	Q04411041A-12-16	Q04311041A-12-16	1"	111	92.8	A+B-21,7	ø48	41	41
25	1"	-16	Q04411041A-16-16	Q04311041A-16-16	1"	119.4	92.1	A+B-22,9	ø55	50	50
25	1"	-16	Q04411041A-16-20	Q04311041A-16-20	1.1/4"	122.4	97.1	A+B-22,9	ø55	50	50

Q04411341A Q04311341A

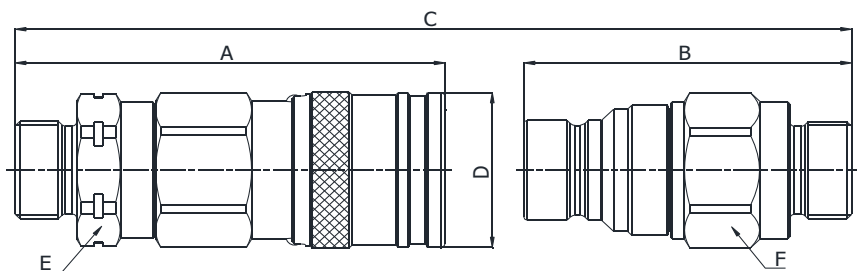
NPTF TERMINATION END
TO ANSI B 1.20.3



SIZE			PART NUMBER		THREAD	DIMENSIONS mm					
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F
10	3/8"	-06	Q04411341A-06-06	Q04311341A-06-06	3/8"-NPT	78.3	63.8	A+B-15,9	ø32	27	27
12.5	1/2"	-08	Q04411341A-08-08	Q04311341A-08-08	1/2"-NPT	88.5	71.3	A+B-17,1	ø38	34	34
20	3/4"	-12	Q04411341A-12-12	Q04311341A-12-12	3/4"-NPT	108	89.8	A+B-21,7	ø48	41	41
25	1"	-16	Q04411341A-16-16	Q04311341A-16-16	1"-NPT	119.4	92.1	A+B-22,9	ø55	50	50

Q0441120A Q0431120A

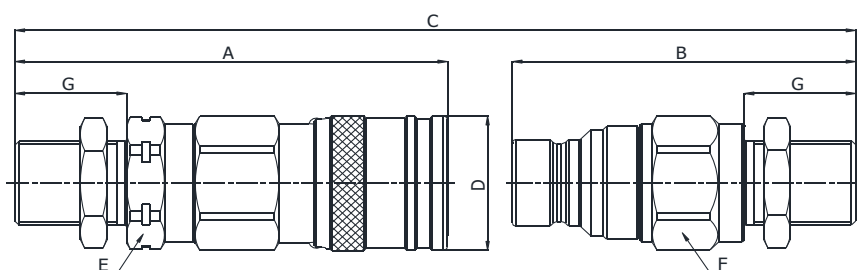
METRIC TERMINATION ENDS
TO ISO 8434-1 S SERIES



SIZE			PART NUMBER		THREAD	DIMENSIONS mm					
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F
12.5	1/2"	-08	Q0441120A-08-24	Q0431120A-08-24	M24x1,5	97.5	74.3	A+B-17,1	ø38	34	34

Q04411870B Q04311870B

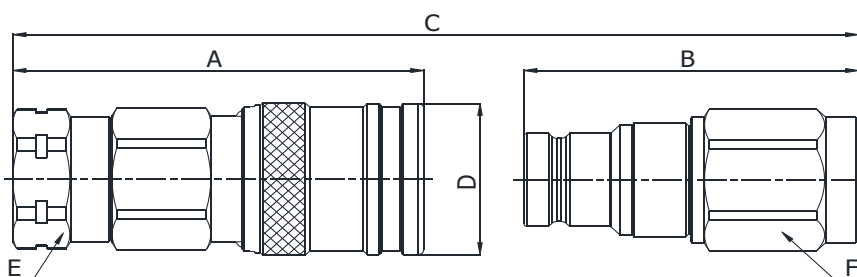
METRIC TERMINATION ENDS
TO ISO 8434-1 S SERIES
BULKHEAD



SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	G
12.5	1/2"	-08	Q04411870B-08-24	Q04311870B-08-24	M24x1,5	112.5	89.3	A+B-17,1	ø38	34	34	29

Q04411301A Q04311301A

SAE TERMINATION END
TO SAE J1926-1



SIZE			PART NUMBER		THREAD	DIMENSIONS mm					
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F
10	3/8"	-06	Q04411301A-06-08	Q04311301A-06-08	3/4"-16UNF	80,8	66,8	A+B-15,9	ø32	27	27
12.5	1/2"	-08	Q04411301A-08-10	Q04311301A-08-10	7/8"-14UNF	90.5	74.8	A+B-17,1	ø38	34	34
12.5	1/2"	-08	Q04411301A-08-12	Q04311301A-08-12	1.1/16"-12UNF	93.5	78.8	A+B-17,1	ø38	34	34
20	3/4"	-12	Q04411301A-12-12	Q04311301A-12-12	1.1/16"-12 UN	111	89.8	A+B-21,7	ø48	41	41
20	3/4"	-12	Q04411301A-12-16	Q04311301A-12-16	1.5/16"-12 UN	111	92.8	A+B-21,7	ø48	41	41

Q.SAFE 420