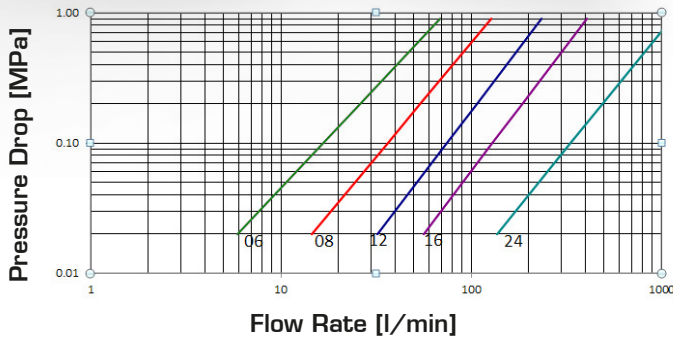


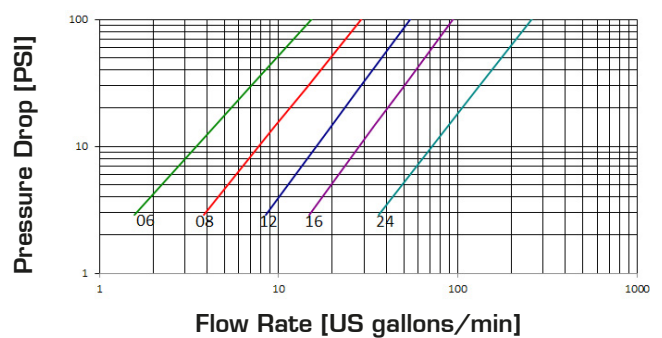
# SCREW TYPE HEAVY DUTY



Pressure Drop



Pressure Drop



## TECHNICAL DATA

SIZE			MPa		FLOW RATE		OIL SPILLAGE		MINIMUM BURST PRESSURE						CONNECTION / DISCONNECTION UNDER PRESSURE
DN	inch	Dash	MPa	PSI	l/min	US GPM	cc.	cubic inch	Male		Female		M & F		Allowed
								MPa	PSI	MPa	PSI	MPa	PSI		
10	3/8	06	35	5075	26	6.9	1.5	0.092	150	21750	160	23200	180	26100	Allowed
12.5	1/2	08	30	4350	54	14.3	2	0.122	130	18850	140	20300	140	20300	Allowed
20	3/4	12	30	4350	107	28.3	5	0.305	130	17750	130	18850	140	20300	Allowed
25	1	16	25	3625	186	49.1	9	0.549	110	15950	110	15950	110	15950	Allowed
38	1 1/2	24	30	4350	492	130.0	25	1.526	130	18850	125	18125	130	18850	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

- Screw-type couplings specially designed for heavy duty applications such as hammers, attachments, rock crushers, etc.
- Thanks to strengthened internal components this series is highly resistant against backflow, flow impulses and peaks, pressure impulses, vibration and hose bending
- Connection and disconnection is made by screwing the sleeve, also possible with rated pressure in the line
- Connection secured on the thread between the sleeve and the male coupling
- Shut-off by poppet valve
- Hexagonal profile of external sleeve for an easy connection and disconnection in high pressure conditions
- Interchangeable with MQS-SG series and similar products available on the market
- Up to size DN 20 ISO 14541 compliant

### MATERIAL

Female and male coupling in high standard steel. Carbonitrided valve, springs in C98 steel, seals in NBR (other materials available on request) and back-up ring in PTFE

### WORKING TEMPERATURE

-22°F up to +230°F (-30°C up to +110°C)  
Specific seals available in case of higher temperatures

### SAFETY FACTOR

4:1 for dynamic pressures

### IMPULSE PRESSURES

200,000 cycles at 133% of the rated one (freq. 1Hz) disconnected; 500,000 connected

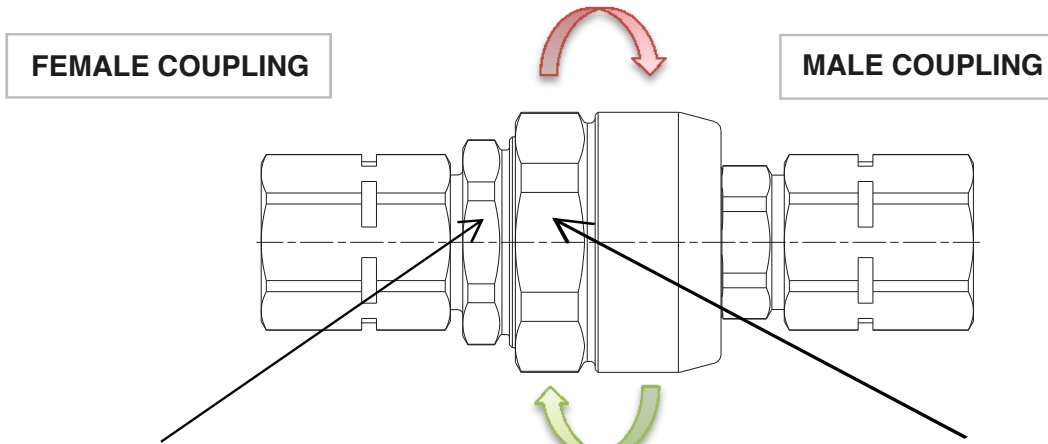
### TEST SPECIFICATIONS

ISO 18869

**Q.SAFE**  
**437**

# ASSEMBLY INSTRUCTIONS

## RECOMMENDED TIGHTENING TORQUES



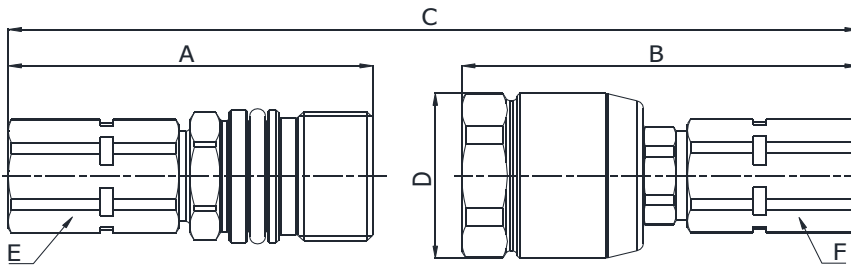
Hold the hexagon on the female body with a wrench

Turn the sleeve on the male applying the tightening torque through the hexagon

SIZE			TIGHTENING TORQUE
DN	Inch	Dash	Nm
10	3/8"	-06	50
12.5	1/2"	-08	80
20	3/4"	-12	120
25	1"	-16	180
38	1-1/2"	-24	300

# Q06211041A Q06111041A

BSP TERMINATION ENDS  
TO DIN 3852 X TYPE

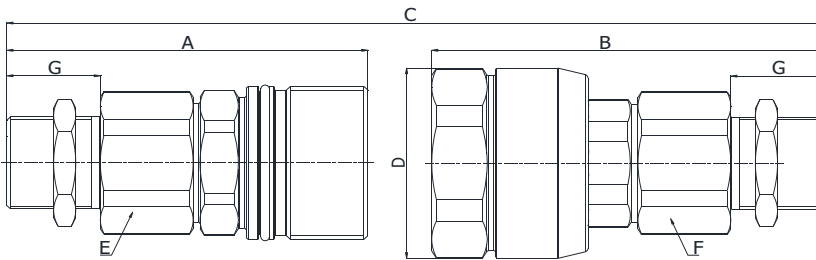


SIZE			PART NUMBER		THREAD	DIMENSIONS mm					
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F
10	3/8"	-06	Q06211041A-06-04	Q06111041A-06-04	1/4"	68	74	A+B-26,5	ø34,7	22	22
10	3/8"	-06	Q06211041A-06-06	Q06111041A-06-06	3/8"	69.5	75.5	A+B-26,5	ø34,7	22	22
12.5	1/2"	-08	Q06211041A-08-06	Q06111041A-08-06	3/8"	66.5	74.5	A+B-26,5	ø44,4	27	27
12.5	1/2"	-08	Q06211041A-08-08	Q06111041A-08-08	1/2"	69.5	77.5	A+B-26,5	ø44,4	27	27
20	3/4"	-12	Q06211041A-12-08	Q06111041A-12-08	1/2"	80.8	89.3	A+B-31	ø54,2	34	34
20	3/4"	-12	Q06211041A-12-12	Q06111041A-12-12	3/4"	82.8	91.3	A+B-31	ø54,2	34	34
25	1"	-16	Q06211041A-16-12	Q06111041A-16-12	3/4"	92.3	99.3	A+B-34,5	ø59,6	41	41
25	1"	-16	Q06211041A-16-16	Q06111041A-16-16	1"	95.3	102.3	A+B-34,5	ø59,6	41	41
38	1-1/2"	-24	Q06211041A-24-20	Q06111041A-24-20	1.1/4"	124.5	137.3	A+B-47,5	ø86,6	60	60
38	1-1/2"	-24	Q06211041A-24-24	Q06111041A-24-24	1.1/2"	127.5	140.3	A+B-47,5	ø86,6	60	60

439 Q.SAFE

# Q06211870B Q06111870B

METRIC TERMINATION ENDS  
BULKHEAD S SERIES



SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	
38	1-1/2"	-24	Q06211870B-24-42	Q06111870B-24-42	M42x2	146.7	159.5	A+B-47,3	ø86,6	60	60	38