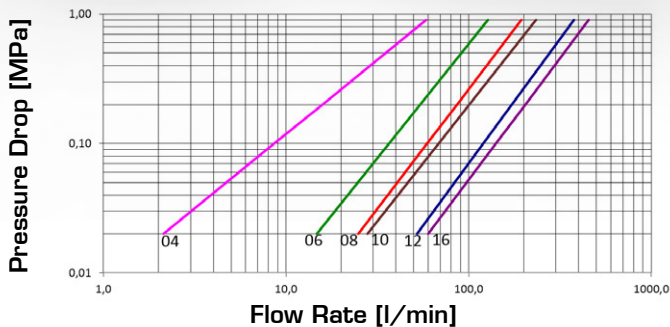


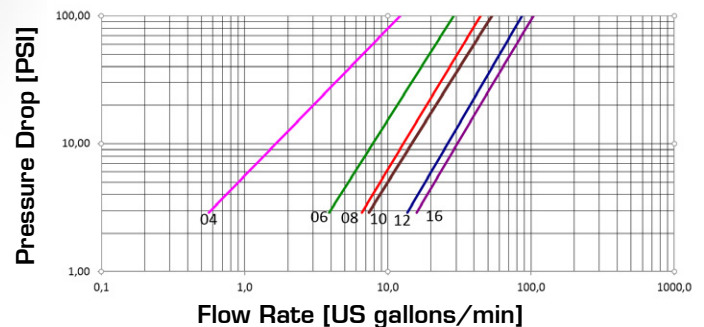
FLAT FACE



Pressure Drop



Pressure Drop



TECHNICAL DATA

																				
SIZE			WORKING PRESSURE CONNECTED [Dynamic]		WORKING PRESSURE DISCONNECTED [Dynamic]		RATED FLOW at 0.2 MPa of pressure drop		CONNECTION EFFORT		OIL SPILLAGE Connection/ Disconnection		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		
6.3	1/4"	04	35	5075	32	4640	16	4.2	120	27.0	0.005	0.0003	180	26100	130	18850	160	23200	Allowed up to 6 MPa	
10	3/8"	06	35	5075	25	3625	54	14.3	130	29.2	0.007	0.0004	135	19575	125	18125	140	20300	Allowed up to 6 MPa	
12.5	1/2"	08	35	5075	25	3625	86	22.7	150	33.7	0.008	0.0005	120	17400	110	15950	145	21025	Allowed up to 4 MPa	
16	5/8"	10	35	5075	25	3625	101	26.7	160	36.0	0.008	0.0005	150	21750	100	14500	160	23200	Allowed up to 3 MPa	
19	3/4"	12	35	5075	25	3625	172	45.4	210	47.2	0.009	0.0005	100	14500	105	15225	140	20300	Allowed up to 2 MPa	
25	1"	16	35	5075	21	3045	204	53.9	210	47.2	0.02	0.0012	105	15225	85	12325	145	21025	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

- Flat mating surfaces easily wiped clean to prevent contamination and spillage during connection/disconnection
- Connection is made by pushing the male coupling and disconnection by pulling back the sleeve of the female
- Safety system on female part to prevent accidental disconnection
- Positive, quick connection of the male into the female by the latching ball system
- Shut-off by flat valve
- Interchangeability according to ISO 16028 and HTMA standards (only for 3/8")
- 1,000,000 cycles at 120% of rated (freq. 1Hz - connected conditions)

MATERIAL

Female and male coupling in steel, with some stressed tempered or carbonitrided areas. Springs in AISI and C98 steel, seals in polyurethane and NBR. Other materials (VITON, EPDM or any others) on request

WORKING TEMPERATURE

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

For other temperatures the coupling is assembled with the specified seals

SAFETY FACTOR

4:1 for dynamic pressures

IMPULSE PRESSURES

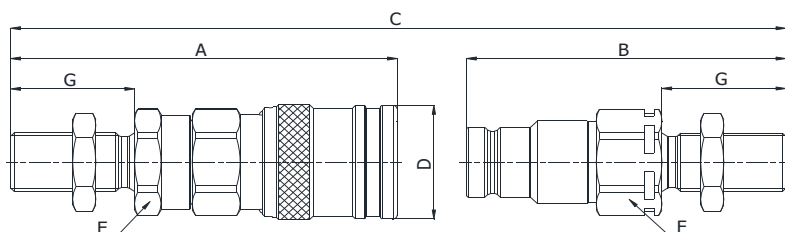
100,000 cycles at 133% of the rated one (freq. 1Hz) in disconnected conditions. 1,000,000 cycles at 120% of rated one (freq. 1Hz) in connected conditions.

TEST SPECIFICATIONS

ISO 18869

Q04111040A

Q03911040A

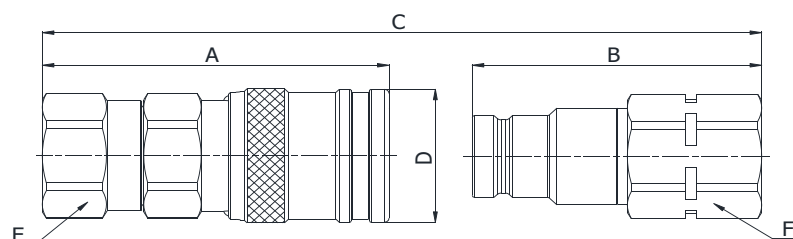


BSP TERMINATION ENDS
TO ISO 8434-6
BULKHEAD

SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	G
10	3/8"	-06	Q04111040A-06-06	Q03911040A-06-06	3/8"	99.9	82.5	A+B-16,4	ø32	27	27	32

Q04111041A

Q03911041A

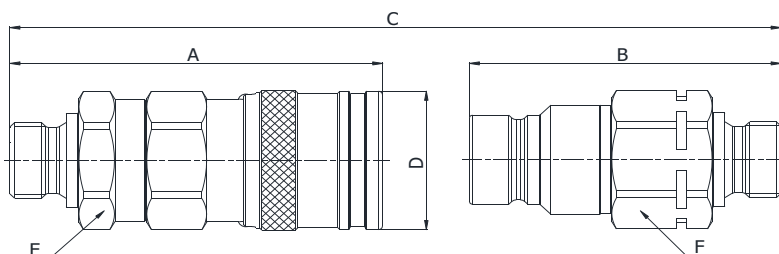


BSP TERMINATION ENDS
TO DIN 3852 X TYPE

SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	
6.3	1/4"	-04	Q04111041A-04-04	Q03911041A-04-04	1/4"	63.6	52.1	A+B-11,1	ø28	24	22	
6.3	1/4"	-04	Q04111041A-04-06	Q03911041A-04-06	3/8"	63.6	53.6	A+B-11,1	ø28	24	22	
10	3/8"	-06	Q04111041A-06-06	Q03911041A-06-06	3/8"	74.9	62.5	A+B-15,9	ø32	27	27	
10	3/8"	-06	Q04111041A-06-08	Q03911041A-06-08	1/2"	77.9	65.5	A+B-15,9	ø32	27	27	
12.5	1/2"	-08	Q04111041A-08-06	Q03911041A-08-06	3/8"	81.7	72.5	A+B-17,1	ø38	34	34	
12.5	1/2"	-08	Q04111041A-08-08	Q03911041A-08-08	1/2"	84.7	72.5	A+B-17,1	ø38	34	34	
12.5	1/2"	-08	Q04111041A-08-12	Q03911041A-08-12	3/4"	86.7	74.5	A+B-17,1	ø38	34	34	
16	5/8"	-10	Q04111041A-10-12	Q03911041A-10-12	3/4"	89.9	75.1	A+B-17,6	ø42	34	34	
20	3/4"	-12	Q04111041A-12-08	Q03911041A-12-08	1/2"	105.9	88.5	A+B-21,7	ø48	41	41	
20	3/4"	-12	Q04111041A-12-12	Q03911041A-12-12	3/4"	105.9	88.5	A+B-21,7	ø48	41	41	
20	3/4"	-12	Q04111041A-12-16	Q03911041A-12-16	1"	108.9	91.5	A+B-21,7	ø48	41	41	
25	1"	-16	Q04111041A-16-16	Q03911041A-16-16	1"	114.5	89.8	A+B-22,9	ø55	50	50	
25	1"	-16	Q04111041A-16-20	Q03911041A-16-20	1.1/4"	117	94.8	A+B-22,9	ø55	50	50	

Q04111050A

Q03911050A



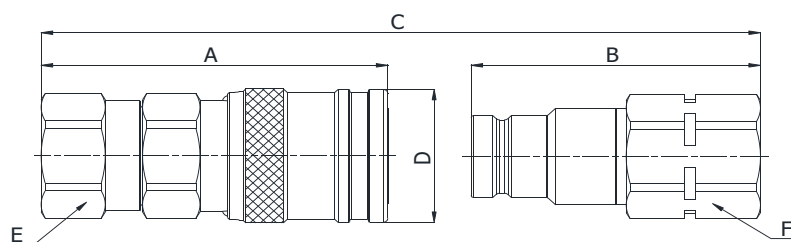
BSP TERMINATION ENDS
TO ISO 8434-6

SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	
10	3/8"	-06	Q04111050A-06-06	Q03911050A-06-06	3/8"	82.6	65.2	A+B-15,9	ø32	27	27	
10	3/8"	-06	Q04111050A-06-08	Q03911050A-06-08	1/2"	85.1	67.7	A+B-15,9	ø32	27	27	
12.5	1/2"	-08	Q04111050A-08-08	Q03911050A-08-08	1/2"	92.9	77.7	A+B-17,1	ø38	34	34	
12.5	1/2"	-08	Q04111050A-08-12	Q03911050A-08-12	3/4"	94.9	79.7	A+B-17,1	ø38	34	34	
16	5/8"	-10	Q04111050A-10-12	Q03911050A-10-12	3/4"	95.6	80.3	A+B-17,6	ø42	34	34	

Q04111141A

Q03911141A

METRIC TERMINATION ENDS
TO ISO 3852-1 X TYPE

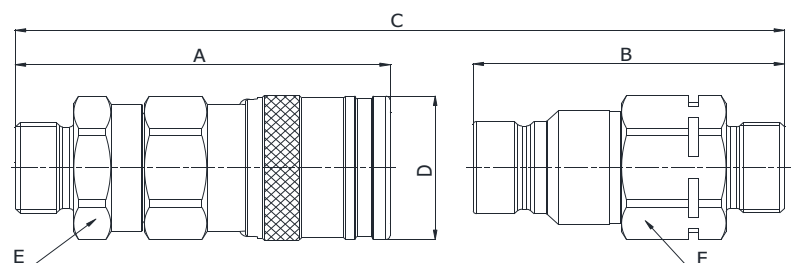


SIZE			PART NUMBER		THREAD	DIMENSIONS mm							
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F		
6.3	1/4"	-04	Q04111141A-04-16	Q03911141A-04-16	M16x1,5	63.6	53.6	A+B-11,1	ø28	24	22		
10	3/8"	-06	Q04111141A-06-18	Q03911141A-06-18	M18x1,5	77.9	62.5	A+B-15,9	ø32	27	27		
10	3/8"	-06	Q04111141A-06-22	Q03911141A-06-22	M22x1,5	77.9	64.5	A+B-15,9	ø32	27	27		

Q04111120A

Q03911120A

METRIC TERMINATION END
TO ISO 8434-1
S SERIES

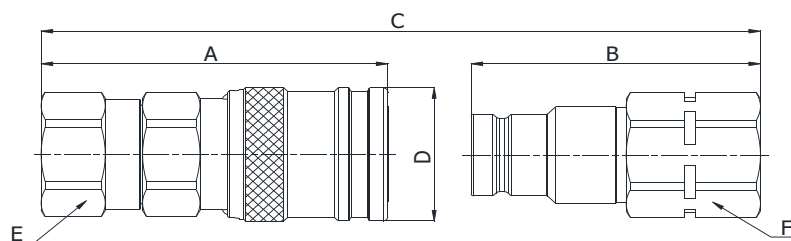


SIZE			PART NUMBER		THREAD	DIMENSIONS mm							
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F		
6.3	1/4"	-04	Q04111120A-04-16	Q03911120A-04-16	M16x1,5	69.6	51.1	A+B-11,1	ø28	24	22		
6.3	1/4"	-04	Q04111120A-04-18	Q03911120A-04-18	M18x1,5	69.6	51.1	A+B-11,1	ø28	24	22		
10	3/8"	-06	Q04111120A-06-18	Q03911120A-06-18	M18x1,5	79.9	62.5	A+B-15,9	ø32	27	27		
10	3/8"	-06	Q04111120A-06-20	Q03911120A-06-20	M20x1,5	79.9	62.5	A+B-15,9	ø32	27	27		
12.5	1/2"	-08	Q04111120A-08-20	Q03911120A-08-20	M20x1,5	87.7	72.5	A+B-17,1	ø38	34	34		
12.5	1/2"	-08	Q04111120A-08-24	Q03911120A-08-24	M24x1,5	87.7	74.5	A+B-17,1	ø38	34	34		
20	3/4"	-12	Q04111120A-12-30	Q03911120A-12-30	M30x2	105.9	90.5	A+B-21,7	ø48	41	41		

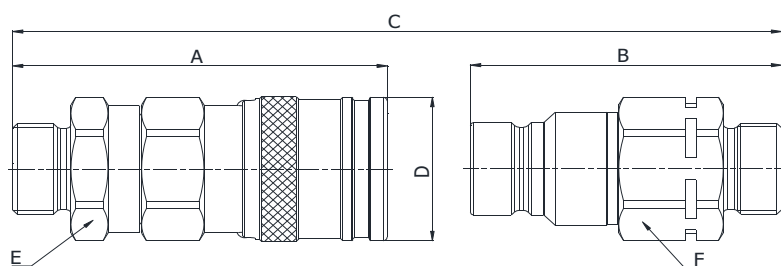
Q04111191A

Q03911191A

METRIC TERMINATION ENDS
TO ISO 6149-1



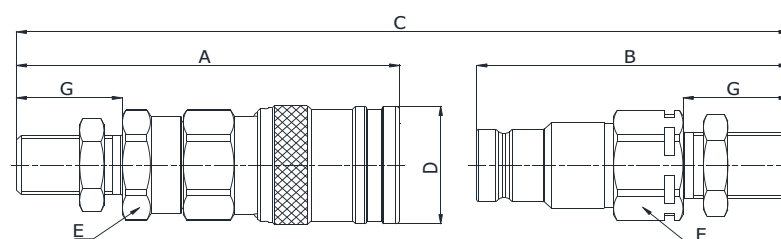
SIZE			PART NUMBER		THREAD	DIMENSIONS mm							
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F		
10	3/8"	-06	Q04111191A-06-16	Q03911191A-06-16	M16x1,5	75.4	63	A+B-15,9	ø32	27	27		
10	3/8"	-06	Q04111191A-06-18	Q03911191A-06-18	M18x1,5	76.9	64.5	A+B-15,9	ø32	27	27		



Q04111110A
Q03911110A

METRIC TERMINATION END
TO ISO 8434-1
L SERIES

SIZE			PART NUMBER		THREAD	DIMENSIONS mm							
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F		
6.3	1/4"	-04	Q04111110A-04-12	Q03911110A-04-12	M16x1,5	68.6	50.1	A+B-11,1	ø28	24	22		
6.3	1/4"	-04	Q04111110A-04-14	Q03911110A-04-14	M14x1,5	68.6	50.1	A+B-11,1	ø28	24	22		
6.3	1/4"	-04	Q04111110A-04-16	Q03911110A-04-16	M16x1,5	68.6	50.1	A+B-11,1	ø28	24	22		
10	3/8"	-06	Q04111110A-06-14	Q03911110A-06-14	M14x1,5	77.9	61.5	A+B-15,9	ø32	27	27		
10	3/8"	-06	Q04111110A-06-16	Q03911110A-06-16	M16x1,5	78.9	62.5	A+B-15,9	ø32	27	27		
10	3/8"	-06	Q04111110A-06-18	Q03911110A-06-18	M18x1,5	78.9	61.5	A+B-15,9	ø32	27	27		
10	3/8"	-06	Q04111110A-06-22	Q03911110A-06-22	M22x1,5	79.9	62.5	A+B-15,9	ø32	27	27		
12.5	1/2"	-08	Q04111110A-08-18	Q03911110A-08-18	M18x1,5	86.7	72.5	A+B-17,1	ø38	34	34		
12.5	1/2"	-08	Q04111110A-08-22	Q03911110A-08-22	M22x1,5	87.7	72.5	A+B-17,1	ø38	34	34		
12.5	1/2"	-08	Q04111110A-08-26	Q03911110A-08-26	M26x1,5	87.7	72.5	A+B-17,1	ø38	34	34		
20	3/4"	-12	Q04111110A-12-26	Q03911110A-12-26	M26x1,5	101.9	86.5	A+B-21,7	ø48	41	41		
20	3/4"	-12	Q04111110A-12-30	Q03911110A-12-30	M30x2	103.9	88.5	A+B-21,7	ø48	41	41		
25	1"	-16	Q04111110A-16-30	Q03911110A-16-30	M30x2	110.5	79.8	A+B-22,9	ø55	50	50		



Q04111770B
Q03911770B

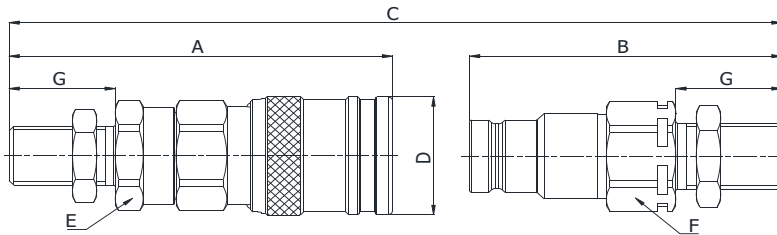
METRIC TERMINATION END
TO ISO 8434-1
BULKHEAD L SERIES

SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	G
6.3	1/4"	-04	Q04111770B-04-12	Q03911770B-04-12	M12x1,5	82.6	65.1	A+B-11,1	ø28	24	22	25
6.3	1/4"	-04	Q04111770B-04-14	Q03911770B-04-14	M14x1,5	82.6	64.1	A+B-11,1	ø28	24	22	25
6.3	1/4"	-04	Q04111770B-04-16	Q03911770B-04-16	M16x1,5	83.6	64.1	A+B-11,1	ø28	24	22	26
10	3/8"	-06	Q04111770B-06-16	Q03911770B-06-16	M16x1,5	93.9	76.5	A+B-15,9	ø32	27	27	26
10	3/8"	-06	Q04111770B-06-18	Q03911770B-06-18	M18x1,5	93.9	76.5	A+B-15,9	ø32	27	27	26
10	3/8"	-06	Q04111770B-06-22	Q03911770B-06-22	M22x1,5	94.9	77.5	A+B-15,9	ø32	27	27	27
12.5	1/2"	-08	Q04111770B-08-18	Q03911770B-08-18	M18x1,5	101.7	86.5	A+B-17,1	ø38	34	34	26
12.5	1/2"	-08	Q04111770B-08-22	Q03911770B-08-22	M22x1,5	102.7	87.5	A+B-17,1	ø38	34	34	27
12.5	1/2"	-08	Q04111770B-08-26	Q03911770B-08-26	M26x1,5	103.7	88.5	A+B-17,1	ø38	34	34	28
20	3/4"	-12	Q04111770B-12-26	Q03911770B-12-26	M26x1,5	114.9	102.5	A+B-21,7	ø48	41	41	29
20	3/4"	-12	Q04111770B-12-30	Q03911770B-12-30	M30x2	118.9	106.5	A+B-21,7	ø48	41	41	32

Q04111870B

Q03911870B

METRIC TERMINATION END
TO ISO 8434-1
BULKHEAD S SERIES

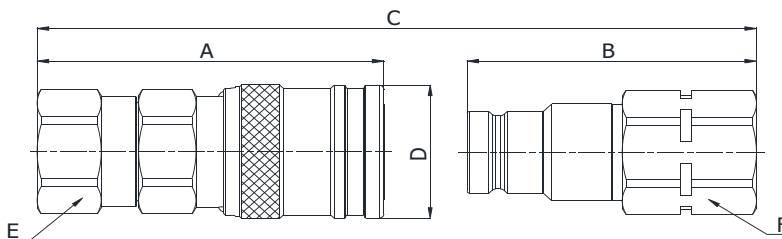


SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	G
6.3	1/4"	-04	Q04111870B-04-16	Q03911870B-04-16	M16x1,5	83.6	65.1	A+B-11,1	ø28	24	22	27
6.3	1/4"	-04	Q04111870B-04-18	Q03911870B-04-18	M18x1,5	83.6	65.1	A+B-11,1	ø28	24	22	27
10	3/8"	-06	Q04111870B-06-18	Q03911870B-06-18	M18x1,5	94.9	77.5	A+B-15,9	ø32	27	27	27
10	3/8"	-06	Q04111870B-06-20	Q03911870B-06-20	M20x1,5	94.9	77.5	A+B-15,9	ø32	27	27	27
12.5	1/2"	-08	Q04111870B-08-24	Q03911870B-08-24	M24x1,5	104.7	89.5	A+B-17,1	ø38	34	34	29
20	3/4"	-12	Q04111870B-12-30	Q03911870B-12-30	M30x2	119.9	108.5	A+B-21,7	ø48	41	41	34
25	1"	-16	Q04111870B-16-36	Q03911870B-16-36	M36x2	128.5	101.8	A+B-22,9	ø55	50	50	36

Q04111341A

Q03911341A

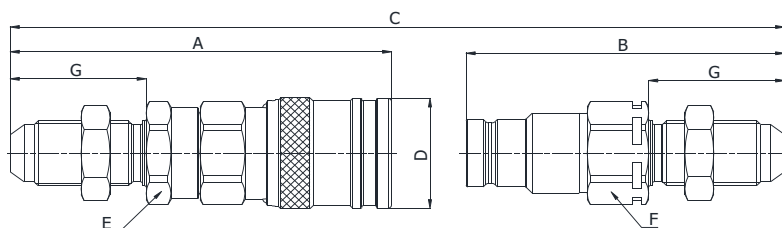
NPTF TERMINATION END
TO ANSI B 1.20.3



SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	
6.3	1/4"	-04	Q04111341A-04-04	Q03911341A-04-04	1/4" NPTF	63.6	52.1	A+B-11,1	ø28	24	22	
10	3/8"	-06	Q04111341A-06-06	Q03911341A-06-06	3/8" NPTF	74.9	62.5	A+B-15,9	ø32	27	27	
10	3/8"	-06	Q04111341A-06-08	Q03911341A-06-08	1/2" NPTF	77.9	65.5	A+B-15,9	ø32	27	27	
12.5	1/2"	-08	Q04111341A-08-08	Q03911341A-08-08	1/2" NPTF	84.7	72.5	A+B-17,1	ø38	34	34	
12.5	1/2"	-08	Q04111341A-08-12	Q03911341A-08-12	3/4" NPTF	86.7	74.5	A+B-17,1	ø38	34	34	
16	5/8"	-10	Q04111341A-10-08	Q03911341A-10-08	1/2" NPTF	87.9	73.1	A+B-17,6	ø42	34	34	
16	5/8"	-10	Q04111341A-10-12	Q03911341A-10-12	3/4" NPTF	89.9	75.1	A+B-17,6	ø42	34	34	
20	3/4"	-12	Q04111341A-12-12	Q03911341A-12-12	3/4" NPTF	105.9	88.5	A+B-21,7	ø48	41	41	
20	3/4"	-12	Q04111341A-12-16	Q03911341A-12-16	1" NPTF	108.9	91.5	A+B-21,7	ø48	41	41	
25	1"	-16	Q04111341A-16-16	Q03911341A-16-16	1" NPTF	114.5	89.8	A+B-22,9	ø55	50	50	
25	1"	-16	Q04111341A-16-20	Q03911341A-16-20	1.1/4" NPTF	116.6	94.8	A+B-23,3	ø55	50	50	

Q04111230A

Q03911230A

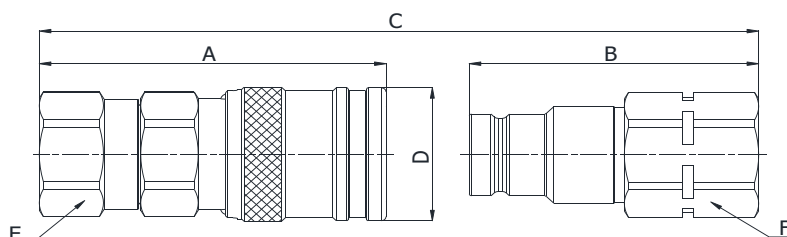


SAE TERMINATION END
TO ISO 8434-2
BULKHEAD

SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	G
10	3/8"	-06	Q04111230A-06-08	Q03911230A-06-08	3/4"-16 UNF	105.5	88.1	A+B-15,9	ø32	27	27	36.6
10	3/8"	-06	Q04111230A-06-10	Q03911230A-06-10	7/8"-14 UNF	109	91.6	A+B-15,9	ø32	27	27	40.1
12.5	1/2"	-08	Q04111230A-08-10	Q03911230A-08-10	7/8"-14 UNF	116.8	101.6	A+B-17,1	ø38	34	34	40.1
12.5	1/2"	-08	Q04111230A-08-12	Q03911230A-08-12	1.1/16"-12 UN	121.1	105.9	A+B-17,1	ø38	34	34	44.4

Q04111301A

Q03911301A



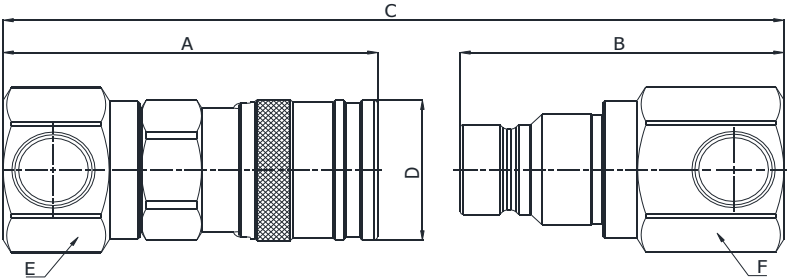
SAE TERMINATION END
TO SAE J1926-1

SIZE			PART NUMBER		THREAD	DIMENSIONS mm						
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	
6.3	1/4"	-04	Q04111301A-04-06	Q03911301A-04-06	9/16"-18 UNF	63.6	53.6	A+B-11,1	ø28	24	22	
10	3/8"	-06	Q04111301A-06-06	Q03911301A-06-06	9/16"-18 UNF	75.4	63	A+B-15,9	ø32	27	27	
10	3/8"	-06	Q04111301A-06-08	Q03911301A-06-08	3/4"-16 UNF	77.4	65	A+B-15,9	ø32	27	27	
10	3/8"	-06	Q04111301A-06-10	Q03911301A-06-10	7/8"-14 UNF	79.9	67.5	A+B-15,9	ø32	27	27	
12.5	1/2"	-08	Q04111301A-08-08	Q03911301A-08-08	3/4"-16 UNF	84.2	72	A+B-17,1	ø38	34	34	
12.5	1/2"	-08	Q04111301A-08-10	Q03911301A-08-10	7/8"-14 UNF	86.7	74.5	A+B-17,1	ø38	34	34	
12.5	1/2"	-08	Q04111301A-08-12	Q03911301A-08-12	1.1/16"-12 UN	89.7	77.5	A+B-17,1	ø38	34	34	
16	5/8"	-10	Q04111301A-10-08	Q03911301A-10-08	3/4"-16 UNF	87.4	72.6	A+B-17,6	ø42	34	34	
16	5/8"	-10	Q04111301A-10-10	Q03911301A-10-10	7/8"-14 UNF	89.9	75.1	A+B-17,6	ø42	34	34	
16	5/8"	-10	Q04111301A-10-12	Q03911301A-10-12	1.1/16"-12 UN	92.9	78.1	A+B-17,6	ø42	34	34	
20	3/4"	-12	Q04111301A-12-12	Q03911301A-12-12	1.1/16"-12 UN	108.9	91.5	A+B-21,7	ø48	41	41	
20	3/4"	-12	Q04111301A-12-16	Q03911301A-12-16	1.5/16"-12 UN	108.9	91.5	A+B-21,7	ø48	41	41	
25	1"	-16	Q04111301A-16-16	Q03911301A-16-16	1.5/16"-12 UN	114.5	89.8	A+B-22,9	ø55	50	50	

Q04111301B

Q03911301B

SAE TERMINATION END
TO SAE J1926-1

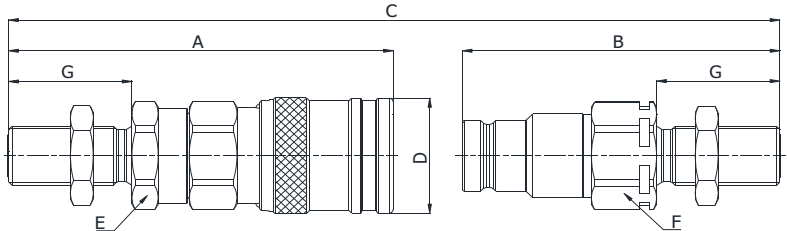


SIZE			PART NUMBER		THREAD	DIMENSIONS mm							
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F		
10	3/8"	-06	Q04111301B-06-06	Q03911301B-06-06	9/16"-18 UNF	84.9	72.5	A+B-15,9	ø32	34	34		
12.5	1/2"	-08	Q04111301B-08-08	Q03911301B-08-08	3/4"-16 UNF	93.2	80.5	A+B-17,1	ø38	41	41		

Q04111270A

Q03911270A

ORFS TERMINATION ENDS
TO ISO 8434-3
BULKHEAD



SIZE			PART NUMBER		THREAD	DIMENSIONS mm							
DN	Inch	Dash	Female coupling	Male coupling		A	B	C	D	E	F	G	H
10	3/8"	-06	Q04111270A-06-08	Q03911270A-06-08	13/16"-16 UN	104.4	87	A+B-16,4	ø32	27	27	36.5	36.5