



518C

ELECTRICALLY NON-CONDUCTIVE

THERMOPLASTIC - MEDIUM PRESSURE

Non-conductive applications

#											
	DN	size	mm	inch	mm	bar	psi	bar	psi	mm	kg/m
518C-2	3	-02	3.2	1/8	8.4	175	2,500	690	10,000	13.0	0.05
518C-3	5	-03	4.8	3/16	10.7	225	3,250	900	13,000	19.0	0.07
518C-4	6	-04	6.3	1/4	11.7	207	3,000	830	12,000	38.0	0.08
518C-5	8	-05	7.9	5/16	14.3	175	2,500	690	10,000	44.0	0.11
518C-6	10	-06	9.5	3/8	16.0	155	2,250	620	9,000	51.0	0.14
518C-8	12	-08	12.7	1/2	20.4	155	2,250	620	9,000	76.0	0.22
518C-10	16	-10	15.9	5/8	24.9	105	1,500	420	6,000	102.0	0.30
518C-12	20	-12	19.1	3/4	27.4	85	1,250	345	5,000	152.0	0.31
518C-16	25	-16	25.4	1	33.5	70	1,000	275	4,000	203.0	0.40

APPLICATIONS

Medium pressure service for general industrial and mobile hydraulic applications when electrically non-conductive lines are required. For example, working platforms for high-voltage line repair and aluminium melting furnaces.

FEATURES

- High abrasion resistance
- High flexibility
- Low weight
- Orange colour
- Electrically non-conductive acc. to SAE J517 (less than 50 µA leakage under 250,000 volts per metre)

CONSTRUCTION

Core tube: Polyester elastomer, except -2: polyamide.
Pressure reinforcement: One braided layer of high tensile synthetic fibre.
Cover: Polyurethane.
Colour: Orange.

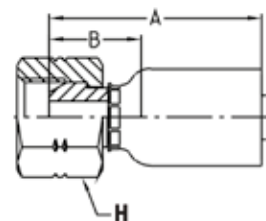
TEMPERATURE RANGE

-40°C up to +100°C for petroleum, max. 57°C for synthetic hydraulic fluids and water-based hydraulic fluids.

FITTINGS

BSP Female swivel 60° cone: Galvanised steel with transparent Cr(IV)-free plating.
 Other materials available on request.

#						A	B		
	DN	size	mm	inch					
19256-4-3	5	-03	4.8	3/16	G 1/4	37.0	19.0	19.0	630
19256-2-4	6	-04	6.4	1/4	G 1/8	43.0	18.0	14.0	350
19256-4-4	6	-04	6.4	1/4	G 1/4	44.0	20.0	19.0	630
19256-6-4	6	-04	6.4	1/4	G 3/8	44.0	20.0	22.0	550
19256-4-5	8	-05	7.9	5/16	G 1/4	45.0	20.0	19.0	630
19256-6-5	8	-05	7.9	5/16	G 3/8	45.0	20.0	22.0	550
19256-6-6	10	-06	9.5	3/8	G 3/8	45.0	20.0	22.0	550
19256-8-6	10	-06	9.5	3/8	G 1/2	47.0	22.0	27.0	430
19256-8-8	12	-08	12.7	1/2	G 1/2	51.0	22.0	27.0	430
19256-10-8	12	-08	12.7	1/2	G 5/8	49.0	22.0	30.0	375
19256-12-12	20	-12	19.0	3/4	G 3/4	58.0	24.0	32.0	350
19256-16-16	25	-16	25.4	1	G 1	73.0	26.0	41.0	280







Please Note: Variety of fittings in mild steel or stainless steel available, other fittings available on request.
 We reserve the right to make technical changes without notice.

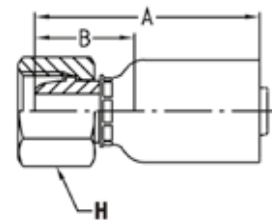
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




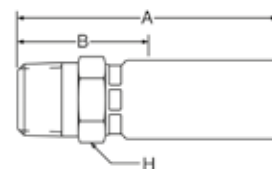
Metric female swivel 24°/60°: Galvanised steel with transparent Cr(IV)-free plating.
Other materials available on request.

#						A	B		
	DN	size	mm	inch					
1C356-6-3	5	-03	4.8	3/16	M12 x 1.5	37.0	20.0	14.0	250
1C356-8-4	6	-04	6.4	1/4	M14 x 1.5	44.0	20.0	17.0	250
1C356-10-4	6	-04	6.4	1/4	M16 x 1.5	45.0	21.0	19.0	250
1C356-10-5	8	-05	7.9	5/16	M16 x 1.5	46.0	20.0	19.0	250
1C356-12-5	8	-05	7.9	5/16	M18 x 1.5	47.0	21.0	22.0	250
1C356-10-6	10	-06	9.5	3/8	M16 x 1.5	46.0	20.0	19.0	250
1C356-15-8	12	-08	12.7	1/2	M22 x 1.5	50.0	23.0	27.0	250
1C356-18-12	20	-12	19.0	3/4	M26 x 1.5	58.0	24.0	32.0	160
1C356-22-12	20	-12	19.0	3/4	M30 x 2	57.0	24.0	36.0	160
1C356-28-16	25	-16	25.4	1	M36 x 2	76.0	28.0	41.0	100



National pipe tapered (NPT) male: Galvanised steel with transparent Cr(IV)-free plating.
Other materials available on request.

#						A	B		
	DN	size	mm	inch					
10157-2-2	3	-02	3.2	1/8	1/8 - 27 NPTF	35.0	18.0	13.0	345
10155-2-3	5	-03	4.8	3/16	1/8 - 27 NPTF	51.0	26.0	14.0	345
10155-4-3	5	-03	4.8	3/16	1/4 - 18 NPTF	55.0	30.0	17.0	345
10155-6-3	5	-03	4.8	3/16	3/8 - 18 NPTF	54.0	29.0	19.0	275
10155-2-4	6	-04	6.4	1/4	1/8 - 27 NPTF	54.0	22.0	17.0	345
10155-4-4	6	-04	6.4	1/4	1/4 - 18 NPTF	62.0	30.0	17.0	345
10155-6-4	6	-04	6.4	1/4	3/8 - 18 NPTF	61.0	29.0	19.0	275
10155-4-5	8	-05	7.9	5/16	1/4 - 18 NPTF	59.0	27.0	17.0	345
10155-6-5	8	-05	7.9	5/16	3/8 - 18 NPTF	61.0	29.0	19.0	275
10155-4-6	10	-06	9.5	3/8	1/4 - 18 NPTF	66.0	30.0	19.0	345
10155-6-6	10	-06	9.5	3/8	3/8 - 18 NPTF	70.0	33.0	19.0	275
10155-8-6	10	-06	9.5	3/8	1/2 - 14 NPTF	77.0	40.0	27.0	240
10155-6-8	12	-08	12.7	1/2	3/8 - 18 NPTF	71.0	30.0	22.0	275
10155-8-8	12	-08	12.7	1/2	1/2 - 14 NPTF	77.0	36.0	27.0	240
10155-12-12	20	-12	19.0	3/4	3/4 - 14 NPTF	82.0	36.0	30.0	210
10155-16-16	25	-06	25.4	1	1 - 11 1/2 NPTF	104.0	44.0	41.0	170



Please Note: Variety of fittings in mild steel or stainless steel available, other fittings available on request.
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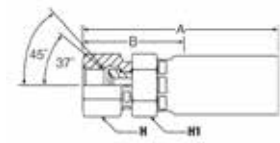







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SAE (JIC) 37° female swivel: Galvanised steel with transparent Cr(IV)-free plating.
For stainless steel (AISI 316) add C to the Part Number. Other materials available on request.



#							A	B			
	DN	size	mm	inch			mm	mm	mm	mm	bar
10657-4-2	3	-02	3.2	1/8	7/16 - 20 UNF		33.0	16.0	17.0	13.0	410
10655-4-3	5	-03	4.8	3/16	7/16 - 20 UNF		55.0	30.0	17.0	16.0	410
10655-5-3	5	-03	4.8	3/16	1/2 - 20 UNF		57.0	32.0	17.0	16.0	410
10655-4-4	6	-04	6.4	1/4	7/16 - 20 UNF		65.0	33.0	17.0	17.0	410
10655-5-4	6	-04	6.4	1/4	1/2 - 20 UNF		65.0	33.0	17.0	16.0	410
10655-6-4	6	-04	6.4	1/4	9/16 - 18 UNF		67.0	35.0	19.0	17.0	345
10655-5-5	8	-05	7.9	5/16	1/2 - 20 UNF		65.0	33.0	17.0	16.0	410
10655-6-5	8	-05	7.9	5/16	9/16 - 18 UNF		65.0	33.0	19.0	16.0	345
10655-8-5	8	-05	7.9	5/16	3/4 - 16 UNF		68.0	37.0	22.0	19.0	345
10655-6-6	10	-06	9.5	3/8	9/16 - 18 UNF		69.0	33.0	19.0	19.0	345
10655-8-6	10	-06	9.5	3/8	3/4 - 16 UNF		72.0	35.0	24.0	19.0	345
10655-6-8	12	-08	12.7	1/2	9/16 - 18 UNF		76.0	35.0	19.0	22.0	345
10655-8-8	12	-08	12.7	1/2	3/4 - 16 UNF		79.0	38.0	22.0	22.0	345
10655-10-8	12	-08	12.7	1/2	7/8 - 14 UNF		82.0	41.0	27.0	22.0	345
10655-12-8	12	-08	12.7	1/2	1 1/16 - 12 UNF		83.0	42.0	32.0	27.0	345
10655-12-12	20	-12	19.0	3/4	1 1/16 0 12 UNF		88.0	42.0	32.0	30.0	345
10655-16-16	25	-16	25.4	1	1 5/16 - 12 UNF		104.0	44.0	38.0	36.0	275



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