

# 588N NON-CONDUCTIVE SAE 100R8



## Non conductive applications

#													Kg kg/m
	DN	size	mm	inch	mm	bar	psi	bar	psi	mm	kg/m		
588N-4	6	-04	6.3	1/4	15.4	345	5,000	1380	20,000	51.0	0.16		
588N-6	10	-06	9.5	3/8	19.3	275	4,000	1100	16,000	64.0	0.22		
588N-8	12	-08	12.7	1/2	22.3	240	3,500	960	14,000	102.0	0.31		
588N-10	16	-10	15.9	5/8	24.9	190	2,750	760	11,000	152.0	0.32		
588N-12	20	-12	19.1	3/4	29.5	155	2,250	620	9,000	203.0	0.35		
588N-16	25	-16	25.4	1	37.6	140	2,000	560	8,000	254.0	0.56		

## 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

- Electrically non-conductive
- Small outer diameter
- High resistance to abrasion
- High flexibility
- Low weight
- Excellent chemical resistance due to polyamide core tube
- Electrically non-conductive acc. to SAE J517 (less than 50 µA leakage under 250,000 volts per metre)

## CONSTRUCTION

**Core tube:** Polyamide.  
**Pressure reinforcement:** Two braided layers of high tensile synthetic fibre.  
**Cover:** Polyurethane.  
**Colour:** Orange.

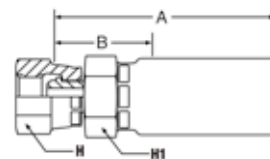
## TEMPERATURE RANGE

-40°C up to +100°C for petroleum or synthetic 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						
19258-4-4	6	-04	6.4	1/4	G 1/4	58.0	26.0	19.0	17.0	630
19258-6-6	10	-06	9.5	3/8	G 3/8	64.0	27.0	22.0	19.0	550
19258-8-8	12	-08	12.7	1/2	G 1/2	72.0	31.0	27.0	24.0	430
19258-10-8	12	-08	12.7	1/2	G 5/8	75.0	32.0	30.0	27.0	375
19258-12-12	20	-12	19.0	3/4	G 3/4	81.0	35.0	32.0	32.0	350
19258-16-16	25	-16	25.4	1	G 1	99.0	39.0	41.0	36.0	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.









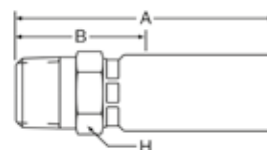
**588N**

## NON-CONDUCTIVE SAE 100R8






THERMOPLASTIC - MEDIUM PRESSURE

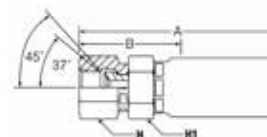
**National pipe tapered (NPT) male:** Galvanised steel with transparent Cr(IV)-free plating.  
Other materials available on request.

#						A	B		
	DN	size	mm	inch					
10158-2-4	6	-04	6.4	1/4	1/8 - 27 NPTF	54.0	22.0	17.0	345
10158-4-4	6	-04	6.4	1/4	1/4 - 18 NPTF	62.0	30.0	17.0	345
10158-6-4	6	-04	6.4	1/4	3/8 - 18 NPTF	61.0	29.0	19.0	275
10158-4-6	10	-06	9.5	3/8	1/4 - 18 NPTF	66.0	30.0	19.0	345
10158-6-6	10	-06	9.5	3/8	3/8 - 18 NPTF	70.0	33.0	19.0	275
10158-8-6	10	-06	9.5	3/8	1/2 - 14 NPTF	77.0	40.0	27.0	240
10158-6-8	12	-08	12.7	1/2	3/8 - 18 NPTF	71.0	30.0	22.0	275
10158-8-8	12	-08	12.7	1/2	1/2 - 14 NPTF	77.0	36.0	27.0	240
10158-12-12	20	-12	19.0	3/4	3/4 - 14 NPTF	82.0	36.0	30.0	210
10158-16-16	25	-16	25.4	1	1 - 11 1/2 NPTF	104.0	44.0	41.0	170



**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						
10658-4-4	6	-04	6.4	1/4	7/16 - 20 UNF	65.0	33.0	17.0	17.0	410
10658-5-4	6	-04	6.4	1/4	1/2 - 20 UNF	65.0	33.0	16.0	17.0	410
10658-6-4	6	-04	6.4	1/4	9/16 - 18 UNF	67.0	35.0	17.0	19.0	345
10658-6-6	10	-06	9.5	3/8	9/16 - 18 UNF	69.0	33.0	19.0	19.0	345
10658-8-6	10	-06	9.5	3/8	3/4 - 16 UNF	72.0	35.0	19.0	24.0	345
10658-6-8	12	-08	12.7	1/2	9/16 - 18 UNF	76.0	35.0	22.0	19.0	345
10658-8-8	12	-08	12.7	1/2	3/4 - 16 UNF	79.0	38.0	22.0	22.0	345
10658-10-8	12	-08	12.7	1/2	7/8 - 14 UNF	82.0	41.0	22.0	27.0	345
10658-12-8	12	-08	12.7	1/2	1 1/16 - 12 UNF	83.0	42.0	27.0	32.0	345
10658-12-12	20	-12	19.0	3/4	1 1/16 - 12 UNF	88.0	42.0	30.0	32.0	345
10658-16-12	20	-12	19.0	3/4	1 5/16 - 12 UNF	90.0	44.0	36.0	38.0	275
10658-16-16	25	-16	25.4	1	1 5/16 - 12 UNF	104.0	44.0	36.0	38.0	275



**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.

