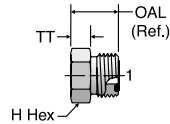


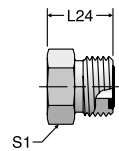
PNLO**Full Dimensions**Plug
ORFS

SAE 520109



TUBE FITTING PART #	END SIZE 1 (in.)	H HEX (in.)	OAL (REF) (in.)	TT (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)	
					-S	-SS
4 PNLO	1/4	5/8	0.66	0.20	9.2	
6 PNLO	3/8	3/4	0.76	0.32	9.2	
8 PNLO	1/2	7/8	0.86	0.35	9.2	9.2
10 PNLO	5/8	1 1/16	1.02	0.41	6.0	
12 PNLO	3/4	1 1/4	1.08	0.41	6.0	6.0
14 PNLO*	7/8	1 3/8	1.10	0.49		
16 PNLO	1	1 1/2	1.10	0.41	6.0	6.0
20 PNLO	1 1/4	1 3/4	1.10	0.41	6.0	6.0
24 PNLO	1 1/2	2 1/8	1.10	0.41	5.0	
32 PNLO*	2	2 3/4	1.37	0.50		

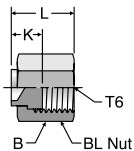
* Sizes 14 and 32 are not included in SAE J1453.

PNMLO**Full Dimensions**Plug – mm Hex
ORFSISO 8434-3 PL
SAE 52M0109

TUBE FITTING PART #	ORFS TUBE O.D.		L24 (mm)	S1 HEX (mm)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	(mm)	(in.)			S	SS
4PNMLO	6	1/4	16.5	17	9.2	
6PNMLO	8,10	3/8	19	19	9.2	
8PNMLO	12	1/2	22	22	9.2	
10PNMLO	14,15,16	5/8	26	27	6.0	
12PNMLO	18,20	3/4	27.5	32	6.0	
16PNMLO	22,25	1	28	41	6.0	
20PNMLO	28,30,32	1 1/4	28	46	6.0	
24PNMLO	38	1 1/2	28	55		

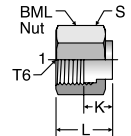
FNLCap
ORFS

SAE 520112



TUBE FITTING PART #	TUBE O.D. (in.)	T6 SWIVEL UN/UNF-2B	B HEX (in.)	K (in.)	L (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)	
						-S	-SS
4 FNL	1/4	9/16-18	11/16	0.34	0.65	9.2	9.2
6 FNL	3/8	11/16-16	13/16	0.39	0.76	9.2	9.2
8 FNL	1/2	13/16-16	15/16	0.45	0.88	9.2	9.2
10 FNL	5/8	1-14	1 1/8	0.51	1.04	6.0	6.0
12 FNL	3/4	1 3/16-12	1 3/8	0.57	1.14	6.0	6.0
14 FNL*	7/8	1 5/16-12	1 1/2	0.57	1.10		
16 FNL	1	1 7/16-12	1 5/8	0.61	1.18	6.0	6.0
20 FNL	1 1/4	1 11/16-12	1 7/8	0.61	1.18	6.0	6.0
24 FNL	1 1/2	2-12	2 1/4	0.61	1.18	5.0	5.0
32 FNL*	2	2 1/2-12	2 7/8	0.80	1.47	3.0	

* Sizes 14 and 32 are not included in SAE J1453.

FNMLCap
ORFS

TUBE FITTING PART #	TUBE O.D.		T6 SWIVEL UN/UNF-2B	K (mm)	L (mm)	S HEX (mm)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	(mm)	(in.)					S	SS
4FNML	6	1/4	9/16-18	8.5	16.5	17		
6FNML	8, 10	3/8	11/16-16	10	18.5	22	9.2	
8FNML	12	1/2	13/16-16	11.5	21.5	24		
10FNML	14, 15, 16	5/8	1-14	13	25.5	30		
12FNML	18, 20	3/4	1 3/16-12	14.5	28	36		
16FNML	22, 25	1	1 7/16-12	15.5	29	41		
20FNML	28, 30, 32	1 1/4	1 11/16-12	15.5	29	50		
24FNML	35, 38	1 1/2	2-12	15.5	29	60		

Dimensions and pressures for reference only, subject to change.