

# Maximum Working Pressures



## Maximum Recommended Hose End Working Pressures (PSI)

General Statement: **CAUTION! SAFETY FIRST!** The maximum dynamic rated working pressure of the application HOSE ASSEMBLY is the lowest of the rated working pressure of the HOSE vs. the rated working pressures of the HOSE ENDS. Please check all assembly rated working pressures.

RATING METHOD:			INTERNAL ALFAGOMMA TEST					SAE J518			
HOSE END TYPE:			SAE 37 Flare Male JIC Non-Swivel	SAE 37 Female JIC Swivel	Male Pipe NPTF Swivel	Male Pipe NPTF Non-Swivel	Female Pipe NPTF Non-Swivel	Female Pipe NPSM Swivel	SAE Code 61 Flange	SAE Code 62 Flange	
HOSE ID SIZE (")	HOSE DASH SIZE	1/8	-02	-	-	-	-	-	-	5000	
		1/4	-04	6000	6000	6000	6000	6000	-	5000	
		5/16	-05	6000	6000	-	-	-	-	5000	
		3/8	-06	6000	6000	6000	6000	-	-	5000	
		1/2	-08	6000	6000	6000	6000	5000	6000	4500	
		5/8	-10	***4000	2750	-	-	-	-	3500	
		3/4	-12	***4000	2250	4000	2250	2250	5000	3500	
		7/8	-14	-	-	-	-	-	-	3000	
		1	-16	***4000	2000	4000	2000	2000	5000	3000	
		1 1/4	-20	3000	-	3000	1625	1625	4000	6000	2500
		1 1/2	-24	3000	-	2500	-	-	3000	6000	2000
		2	-32	3000	-	2500	-	-	3000	6000	1500

\*\*\*Note: Certain Alfagomma Hose End Series' of type Female JIC and manufactured using Solid, Slip-On Nuts are rated at a higher 6000 PSI vs. the 4000 PSI indicated in the table above for non-Solid, non-Slip-On Nut types.

RATING METHOD:			SAE J514	SAE J1453	ISO 1179-3	ISO 1179-2	ISO 8434-1				
HOSE END TYPE:			Male Straight Thread O-Ring Boss	Female O-Ring Face Seal	Female BSPP O-Ring Swivel	Male BSPP Non-Swivel	Female DIN 24 Light Swivel	Male DIN 24 Light	Female DIN 24 Heavy Swivel	Male DIN 24 Heavy	
HOSE ID SIZE (")	HOSE DASH SIZE	1/8	-02	3625	5075	3625	3625	-	-		
		1/4	-04	6000	3625	5075	3625	3625	9135	9135	
		5/16	-05	-	-	-	-	-	-	-	
		3/8	-06	6000	3625	5075	3625	3625	9135	9135	
		1/2	-08	6000	3625	5075	3625	3625	5800	5800	
		5/8	-10	6000	-	-	-	-	-	-	
		3/4	-12	6000	2320	3625	2320	2320	5800	5800	
		7/8	-14	-	-	-	-	-	9135	9135	
		1	-16	5000	1450	3625	1450	1450	5800	5800	
		1 1/4	-20	4000	1450	2535	1450	1450	3625	3625	
		1 1/2	-24	3000	1450	2030	1450	1450	3625	3625	
		2	-32	-	-	-	-	-	-	-	

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

HOSES  
ONE-PIECE B SERIES  
ONE-PIECE D SERIES  
ONE-PIECE F & P SERIES  
TWO-PIECE FERRULES (A & PFR SERIES)  
TWO-PIECE INSERTS (A SERIES)  
TWO-PIECE INTERLOCK FERRULES & INSERTS (X & Z SERIES)  
QUICK RELEASE  
ASSEMBLY EQUIPMENT  
TECHNICAL INFORMATION