Standard JIC SAE J514 370

The Society of Automotive Engineers (SAE) specifies a 37° angle flare or seat be used with high pressure hydraulic tubing. These are commonly called JIC couplings.

The JIC 37° flare male will mate with a JIC female only.

The JIC male has straight threads and a 37° flare seat. The JIC female has straight threads and a 37° flare seat. The seal is made on the 37° flare seat by establishing a line contact between the male flare and the female cone seat. The threads hold the connection mechanically.

SOH F VHP JIC C Straight Female JIC 74°



Carbon STEEL	AISI 316L STEEL	Description	Minimum Pack quantity	Hoze Size		Thread	
Part. No	Part. No			DN	inch	F	
SOH1A1	SOH8A1	7/16 F-JIC VHP C 3/16	20 pcs	6	3/16"	7/16"	20
SOH1A2	SOH8A2	7/16 F-JIC VHP C 1/4	20 pcs	6	1/4"	7/16"	20
SOH152	SOH852	1/2 F-JIC VHP C 1/4	20 pcs	6	1/4"	1/2"	20
SOH1B2	SOH8B2	9/16 F-JIC VHP C 1/4	20 pcs	6	1/4"	9/16"	18
SOH1B4	SOH8B4	9/16 F-JIC VHP C 3/8	20 pcs	10	3/8"	9/16"	18
SOH174	SOH874	3/4 F-JIC VHP C 3/8	20 pcs	10	3/8"	3/4"	16
SOH175	SOH875	3/4 F-JIC VHP C 1/2	20 pcs	12	1/2"	3/4"	16
SOH1C5	SOH8C5	7/8 F-JIC VHP C 1/2	20 pcs	12	1/2"	7/8"	14
SOH1D7	SOH8D7	1+1/16 F-JIC VHP C 3/4	2 pcs	20	3/4"	1+1/16"	12
SOH1F8	SOH8F8	1+5/16 F-JIC VHP C 1	2 pcs	25	1"	1+5/16"	12

Selection by hose family

All inserts are available both with standard and AISI 316L steel

CARBON STEEL	SOH1A1	-	SOH1A2	SOH152	SOH1B2	SOH1B4	SOH174	SOH1C5	SOH175	-	SOH1F8
AISI 316L STEEL	SOH8A1	SOH8B1	SOH8A2	SOH854	SOH8B2	SOH8B4	SOH874	SOH8C5	SOH875	SOH8D7	SOH8F8
	3/16"	3/16"	1/4"	1/4"	1/4"	3/8"	3/8"	1/2"	1/2"	3/4"	1"
HYDRAULIC											
041X VHP 10000			•	•	•	•	•				
046X VHP NON CONDUCTIVE	•	•	•	•	•	•	•				
040X VHP 10000 MARINER			•	•	•	•	•	•	•		
080X VHP EXTRA			•	•	•						
168X OFF SHORE MASTER 3K											•
060X OFF SHORE MASTER 5K			•	•	•	•	•	•	•	•	•
169X OFF SHORE MASTER 10K	•	•		•							
INDUSTRIAL											
15R CNG 5000 COMPRESSED NATURAL GAS HOSE			•	•	•	•	•	•	•	•	•
049 - HP AGGRESSIVE CHEMICALS						•	•	•	•		
048 VHP AGGRESSIVE CHEMICALS			•	•	•	•	•	•	•	•	•