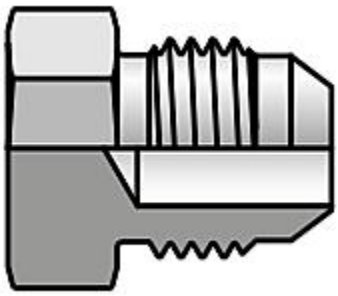
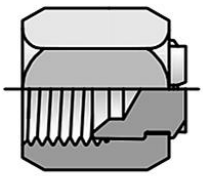
JIC HYDRAULIC FITTINGS

SAE J514/ISO 8434-2 Cap and Plug

JIC Plug and Caps



JIC 37 Degree Flare Cap 	**JIC UNF Plug and Caps Type:** Male JIC 37 degree Flare End Plug SAE 070109 MS51518 Female JIC 37 degree Flare Swivel Cap End SAE 070112 Female JIC 37 degree Flare Cap End ISO 8434-2 Dimensions of JIC Cap and Plug Catalog of JIC Cap and Plug

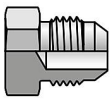
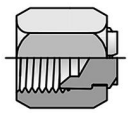
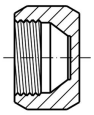
FITSCH

JIC UNF Plug and Caps Introduction

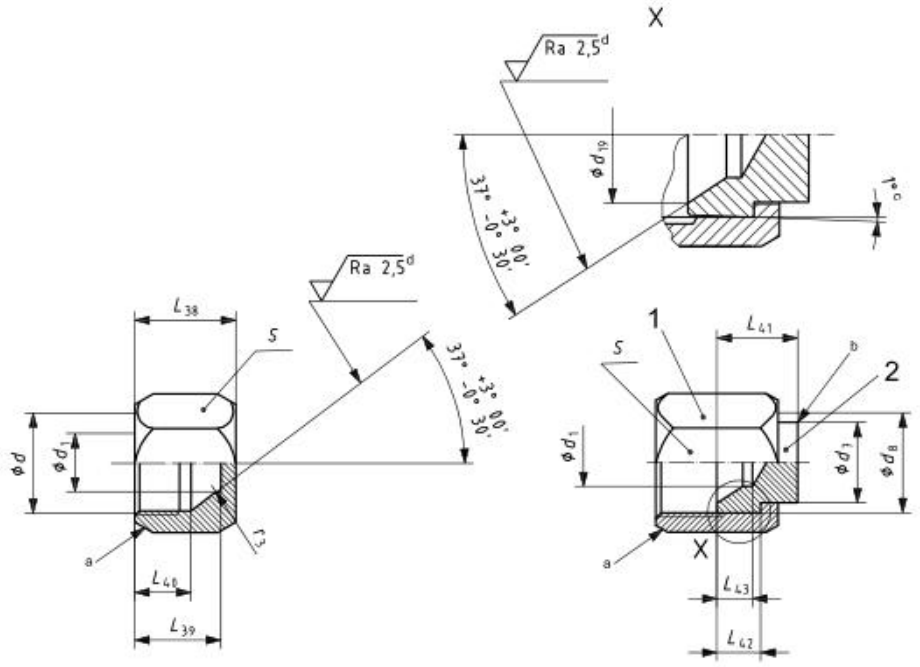
All JIC Plugs is designed with ISO 263 UNF thread and 37 flare tube end, it is used to match with female JIC swivel nut end of hydraulic hose assembly. JIC caps is designed with female UNF thread and 37 degree seat, two types of JIC caps, one is two piece including nuts and plugs with 37 degree seat, another is caps with 37 degree seat. JIC plug and cap sizes meet ISO 8434-2 and SAE J514 standards.

Overview catalogue Of JIC UNF Plug and Caps

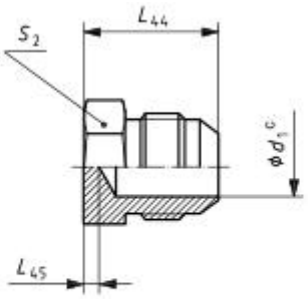
JIC UNF plug and caps is made of these shapes(Parker-Eaton series no), from forging/shape material as follows:

PNMTX/4J	FNMTX/9J	9J-CAP
		

Dimensions of ISO 8434-2 Cap and Plug / SAE J514



a) Cap (CP)



b) Plug (PL)

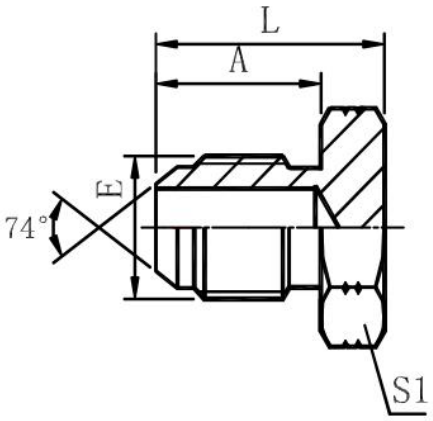
Ordering size code	Tube OD [a]	Thread [b] d	d_1 ref.	d_7 ref.	d_8 ref.	d_{19} ref.	L_{38} ± 0,3	L_{39} ± 0,3	L_{40} ± 0,13	L_{41} ± 0,4	L_{42} ± 0,4	L_{43} ± 0,4	L_{44} ± 0,8	L_{45} min.	S ref.	S_2 ref.
6 × 6	6	7/16-20 UNF	4,4	7,5	9,65	7,35	15,1	13,5	8,33	8,7	5,2	3,2	20,5	2,8	14	12
8 × 8	8	1/2-20 UNF	6	9,25	11,23	8,9	15,5	13,9	8,74	10,3	5,6	3,6	20,5	3	17	14
10 × 10	10	9/16-8 UNF	7,5	10,95	12,68	10,9	15,9	14,3	8,74	11,9	6,8	4	21,5	3	19	17
12 × 12	12	3/4-16 UNF	9,9	14,25	17,25	14,35	19,0	15,9	9,52	13,5	8	4,4	24	4,1	22	22
16 × 16	16	7/8-14 UNF	12,3	17,45	24,61	17,15	21,4	18,3	11,91	13,5	7,1	4,8	28	4,1	27	24
20 × 20	20	1 1/16-12 UN	15,5	21,6	27,78	21,45	23,0	19,8	12,70	16,7	7,1	8	32,5	4,8	32	30
25 × 25	25	1 5/16-12 UN	21,5	27,45	30,96	27,8	25,8	21,8	14,30	15,9	7,6	5,6	34	4,8	41	36
32 × 32	32	1 5/8-12 UN	27,5	33,95	38,88	35,7	27,0	23,0	14,30	19,1	9,5	7,1	37	5,8	50	46
38 × 38	38	1 7/8-12 UN	33,5	40,85	45,24	41,15	30,2	26,2	16,66	23,8	10,3	9,5	42	5,8	60	50
50 × 50	50	2 1/2-12 UN	45	54,75	61,11	56,75	36,5	32,5	21,03	30,1	14,7	10,3	52	8,4	75	65

[a] See Table 1 for corresponding inch sizes.

[b] In accordance with ISO 263, ISO 68-2 and ISO 5864.

4J Male UNF Plug with JIC 37 degree flare tube ends

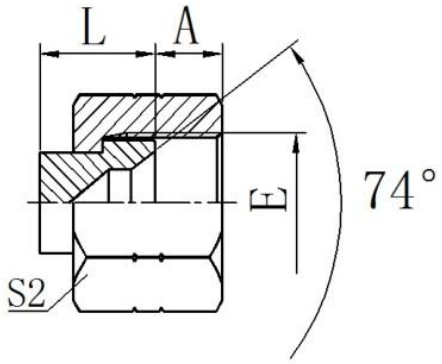
JIC 37° flare, Parker PNMTX series Plug SAE 070109 MS51518



PART NO.	E	A	L	S1
4J-02	5/16"X24	11.4	17.5	11
4J-03	3/8"X24	12.2	18	12
4J-04	7/16"X20	14	20.5	12
4J-05	1/2"X20	14	20.5	14
4J-06	9/16"X18	14.1	21.5	17
4J-08	3/4"X16	16.7	24	22
4J-10	7/8"X14	19.3	28	24
4J-12	1.1/16"X12	21.9	32.5	30
4J-14	1.3/16"X12	22.6	33.3	32
4J-16	1.5/16"X12	23.1	34	36
4J-20	1.5/8"X12	24.3	37	46
4J-24	1.7/8"X12	27.5	42	50
4J-32	2.1/2"X12	33.9	52	65

9J Female Swivel Cap end with JIC 37 degree seat

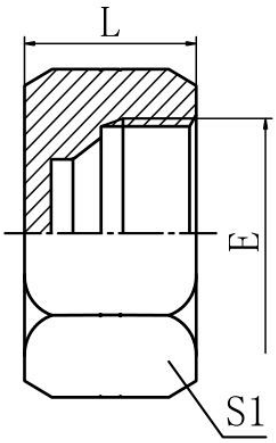
JIC 37° female swivel end, Parker FNMTX series SAE 070112 MS51532



PART NO.	E	A	L	S2
9J-03	3/8"X24	8	8.5	14
9J-04	7/16"X20	7.9	8.9	14
9J-05	1/2"X20	9.1	10.3	17
9J-06	9/16"X18	8.5	11.9	19
9J-08	3/4"X16	10.4	13.5	22
9J-10	7/8"X14	13.7	13.5	27
9J-12	1.1/16"X12	14.9	16.7	32
9J-14	1.3/16"X12	14.5	15	36
9J-16	1.5/16"X12	16.8	15.9	41
9J-20	1.5/8"X12	16.3	19.1	50
9J-24	1.7/8"X12	20	19	55
9J-32	2.1/2"X12	23.5	20.5	75

9J-CAP Female Cap with 37 degree seat

JIC 37° female end, ISO 8434-2



PART NO.	E	L	S1
9J-04CAP	7/16"X20	15.1	15
9J-10CAP	7/8"X14	21.4	27
9J-05CAP	1/2"X20	15.5	17
9J-06CAP	9/16"X18	15.9	19
9J-08CAP	3/4"X16	19	24
9J-12CAP	1.1/16"X12	23	32
9J-20CAP	1.5/8"X12	27	50
9J-24CAP	1.7/8"X12	30.2	60
9J-32CAP	2.1/2"X12	36.5	75
9J-16CAP	1.5/16"X12	25.8	41