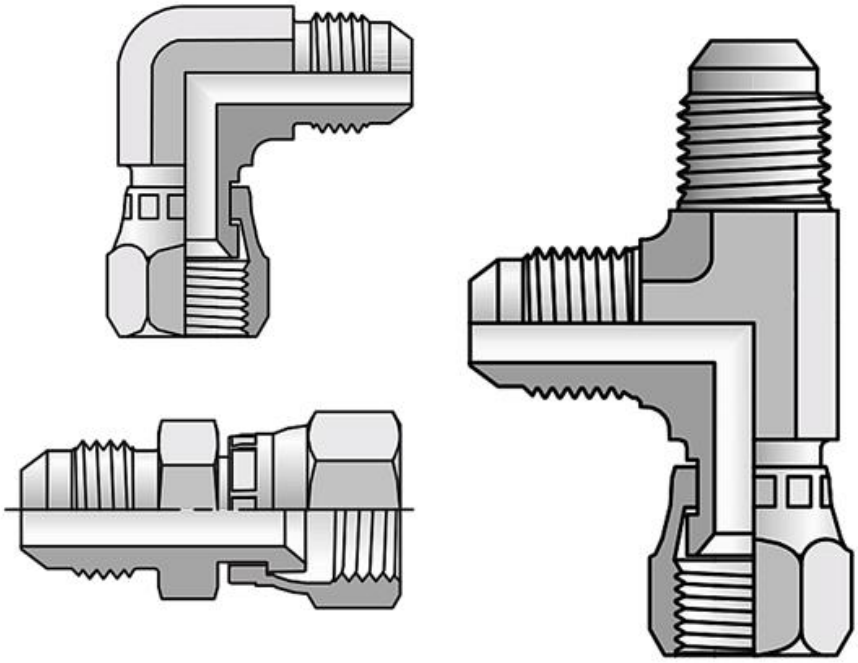
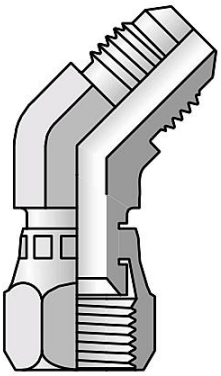
JIC Swivel Fittings/Swivel Connector





Industry Standard:

SAE J514 / ISO 8434-2

Design And Shape Type:

Straight SAE 070121

Elbow SAE 070221 MS51521

45 degree Elbow SAE 070321 MS51522

Branch Tee SAE 070433 MS51524

Run Tee SAE 070432

Straight Swivel Union

Tee Swivel Union

Straight ISO 6149 Metric Stud Swivel

Straight ISO 11926 UNF Stud Swivel

Straight ISO 7 BSPT Stud And NPT SAE 476 Stud Swivel

Material:

Carbon Steel/Stainless Steel

Finish:

Zinc Plated/Zn-Ni Alloy Plated

FITSCH

Introduction Of JIC Swivel Fittings

JIC swivel connector is designed with SAE 37 degree JIC degree cone end and female swivel nut, method of attachment of swivel nut is at the option of the manufacturer such as crimped and thrust-wire. It meet the strict requirement of SAE J514 and ISO 8434-1 standards. Female JIC swivel fittings is often use for connecting the male stud straight fitting to hydraulic hose assembly or tubing, function of two parts together is the same as adjustable elbow locknut fittings.



Overview Types Of JIC Tube Fittings Catalogue

JIC female swivel nut to tube or stud connector is made of these shapes, from hex bar or forging body, it is interchangeable to Parker JIC SAE 37 degree female swivel fittings catalog as follows:

Straight SAE 070121

Elbow SAE 070221 MS51521

45 degree Elbow SAE 070321 MS51522

Branch Tee SAE 070433 MS51524

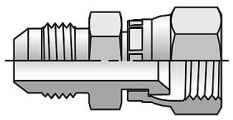
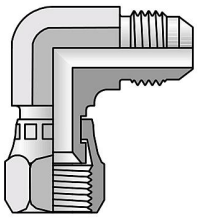
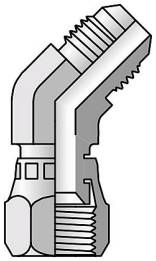
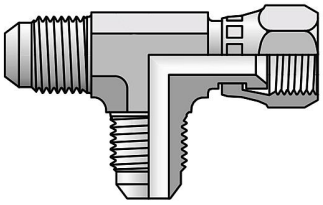
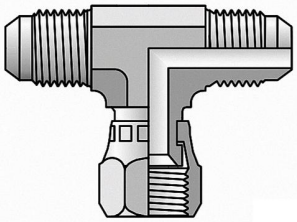
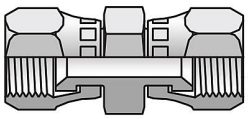
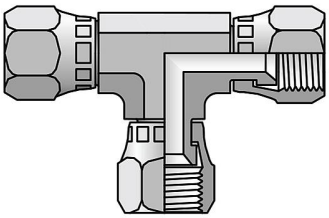
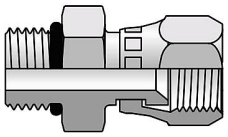
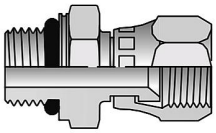
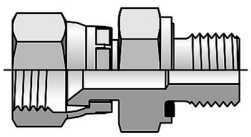
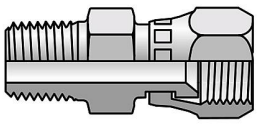
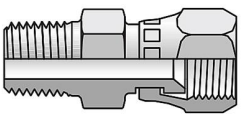
Run Tee SAE 070432

Straight Elbow Tee Swivel Union

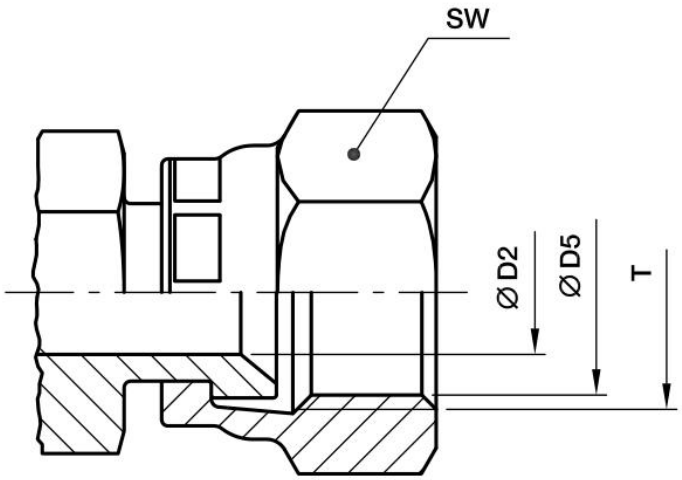
Straight ISO 6149 Metric Stud Swivel

Straight ISO 11926 UNF Stud Swivel

Straight ISO 7 BSPT Stud And NPT SAE 476 Stud Swivel

2J XHX6 Straight 	2J9 C6X Elbow 	2J4 V6X 45 Elbow 
CJ R6X Run Tee 	BJ S6X Branch Tee 	3J HX6 Straight Union 
DJ JX6 Tee Union 	2OJ F65OX SAE ORB 	F378OMX Metric ISO 6149 
F642EDMX Metric ED 	2NJ F6X NPT Stud 	2TJ F63MX BSPT Stud 

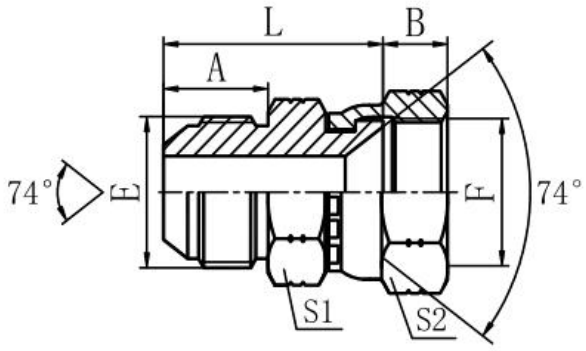
Dimensions of JIC 37 Degree Female Swivel Fittings from ISO 8434-2/SAE J514



Size	Tube O.D inch	Tube O.D mm	T UN/UNF	SW mm	Ø D5 Thread core diameter mm	Ø D2 mm
4	1/4	6	7/16-20	17	10	4.4
5	5/16	8	1/2-20	17	11.5	6
6	3/8	10	9/16-18	19	13	7.5
8	1/2	12	3/4-16	22	17.5	9.9
10	5/8	14, 15, 16	7/8-14	27	20.5	12.3
12	3/4	18, 20	1 1/16-12	32	25	15.5
14	7/8	22	1 3/16-12	35	28	18
16	1	25	1 5/16-12	38	31	21.5
20	1 1/4	28, 30, 32	1 5/8-12	50	39	27.5
24	1 1/2	35. 38	1 7/8-12	60	45.5	33
32	2	–	2 1/2-12	75	61.5	45

2J JIC Female Swivel Fittings Straight

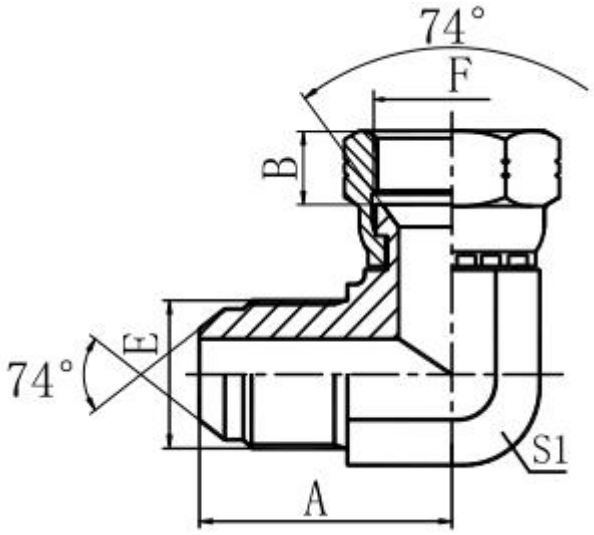
JIC Female Swivel Straight Connectors REF: ISO 8434-2 / SAE J514 SAE 070121/ Parker XHX6



PART NO.	E	F	A	B	L	S1	S2
2J-04	7/16"X20	7/16"X20	14	9	28	12	14
2J-04-05	7/16"X20	1/2"X20	14	9.5	28.5	12	17
2J-04-06	7/16"X20	9/16"X18	14	10	28.5	14	19
2J-04-08	7/16"X20	3/4"X16	14	11	30.5	19	22
2J-05	1/2"X20	1/2"X20	14	9.5	28.5	14	17
2J-05-06	1/2"X20	9/16"X18	14	10	28.5	14	19
2J-05-08	1/2"X20	3/4"X16	14	11	30.5	19	22
2J-06	9/16"X18	9/16"X18	14.1	10	29	17	19
2J-06-08	9/16"X18	3/4'X16	14.1	11	31	19	22
2J-06-10	9/16"X18	7/8"X14	14.1	13	33.5	22	27
2J-08	3/4"X16	3/4"X16	16.7	11	36	22	22
2J-08-06	3/4"X16	9/16"X18	16.7	10	34	22	19
2J-08-10	3/4"X16	7/8"X14	16.7	13	36.5	22	27
2J-08-12	3/4"X16	1.1/16"X12	16.7	14.5	39.5	27	32
2J-10	7/8"X14	7/8"X14	19.3	13	39	24	27
2J-10-08	7/8"X14	3/4"X16	19.3	11	38	24	22
2J-10-12	7/8"X14	1.1/16"X12	19.3	14.5	42	27	32
2J-12	1.1/16"X12	1.1/16"X12	21.9	14.5	44.5	30	32
2J-12-10	1.1/16"X12	7/8"X14	21.9	13	43.5	30	27
2J-12-16	1.1/16"X12	1.5/16"X12	21.9	15.18	45.5	36	41
2J-16	1.5/16"X12	1.5/16"X12	23.1	15.18	46.5	36	41
2J-16-20	1.5/16"X12	1.5/8"X12	23.1	16.1	53	41	50
2J-20	1.5/8"X12	1.5/8"X12	24.3	16.1	54	46	50
2J-20-24	1.5/8"X12	1.7/8"X12	24.3	18.6	55.5	46	60
2J-24	1.7/8"X12	1.7/8"X12	27.5	18.6	61	50	60
2J-24-32	1.7/8"X12	2.1/2"X12	27.5	23.8	62	65	75
2J-32	2.1/2"X12	2.1/2"X12	33.9	23.8	69.5	65	75

2J9 JIC Female Swivel Fittings Elbow

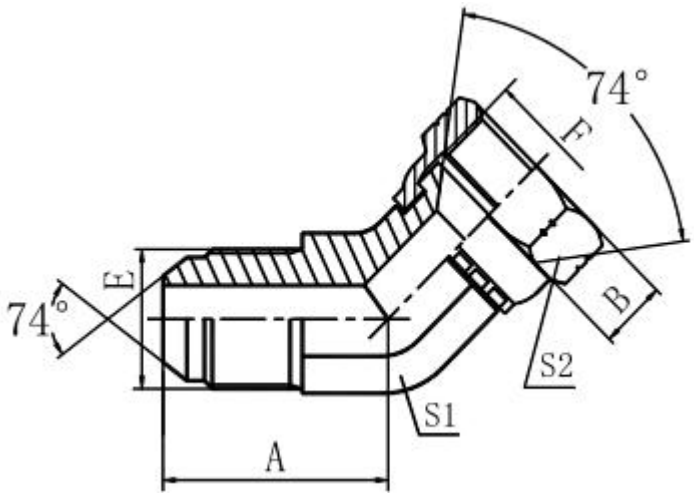
JIC Female Swivel Elbow Connectors REF: ISO 8434-2 / SAE J514 SAE 070221 / Parker C6X



PART NO.	E	F	A	B	S1	S2
2J9-02	5/16"X24	5/16"X24	21	5.6	11	12
2J9-03	3/8"X24	3/8"X24	22	5	11	14
2J9-04	7/16"X20	7/16"X20	24.5	9	11	14
2J9-05	1/2"X20	1/2"X20	26.5	9.5	14	17
2J9-06	9/16"X18	9/16"X18	26.9	10.5	14	19
2J9-06-08	9/16"X18	3/4"X16	28.5	11	16	22
2J9-08-06	3/4"X16	9/16"X18	32	10	19	19
2J9-08	3/4"X16	3/4"X16	33	11	19	22
2J9-08-10	3/4"X16	7/8"X14	32	13	19	27
2J9-10	7/8"X14	7/8"X14	37.8	13	22	27
2J9-10-08	7/8"X14	3/4"X16	37.8	11	22	22
2J9-10-12	7/8"X14	1.1/16"X12	39.5	14.5	24	32
2J9-12	1.1/16"X12	1.1/16"X12	44.2	14.5	27	32
2J9-12-10	1.1/16"X12	7/8"X14	44.2	13	27	27
2J9-12-16	1.1/16"X12	1.5/16"X12	46	15.18	30	41
2J9-14	1.3/16"X12	1.3/16"X12	47.5	15	30	36
2J9-16	1.5/16"X12	1.5/16"X12	48.8	15.18	33	41
2J9-16-20	1.5/16"X12	1.5/8"X12	54	16.18	41	50
2J9-20-16	1.5/8"X12	1.5/16"X12	55.5	15.18	41	41
2J9-20	1.5/8"X12	1.5/8"X12	55.5	16.18	41	50
2J9-20-24	1.5/8"X12	1.7/8"X12	59.5	18.67	48	60
2J9-24-20	1.7/8"X12	1.5/8"X12	62.5	16.68	48	50
2J9-24	1.7/8"X12	1.7/8"X12	62.5	18.67	48	60
2J9-32	2.1/2"X12	2.1/2"X12	75.5	23.9	63	75

2J4 JIC Female Swivel Fittings 45 Degree Elbow

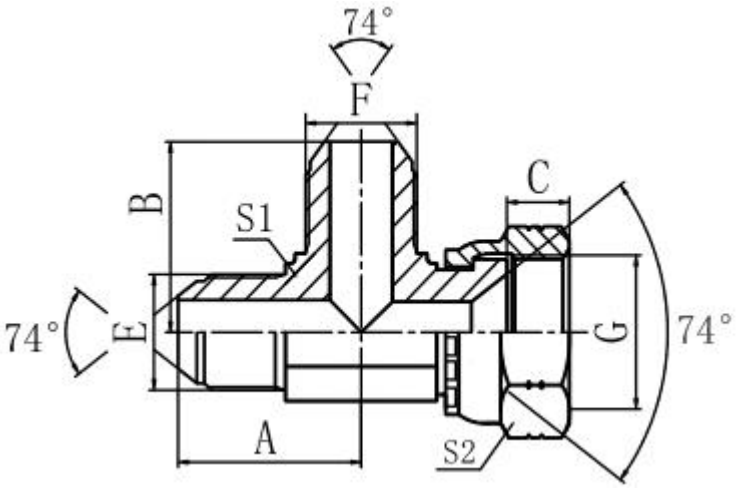
JIC Female Swivel 45 Degree Elbow Connectors REF: ISO 8434-2 / SAE J514 / Parker V6X



PART NO.	E	F	A	B	S1	S2
2J4-04	7/16"X20	7/16"X20	21.5	9	11	14
2J4-05	1/2"X20	1/2"X20	22	9.5	14	17
2J4-06	9/16"X18	9/16"X18	22.8	10	14	19
2J4-08	3/4"X16	3/4"X16	26.8	11	19	22
2J4-10	7/8"X14	7/8"X14	31	13	22	27
2J4-12	1.1/16"X12	1.1/16"X12	35.5	14.5	27	32
2J4-14	1.3/16"X12	1.3/16"X12	37	15	30	36
2J4-16	1.5/16"X12	1.5/16"X12	38.5	15.18	33	41
2J4-20	1.5/8"X12	1.5/8"X12	43	16.18	41	50
2J4-24	1.7/8"X12	1.7/8"X12	49	18.67	48	60
2J4-32	2.1/2"X12	2.1/2"X12	58	23.9	63	75

CJ JIC Female Swivel Fittings Run Tee

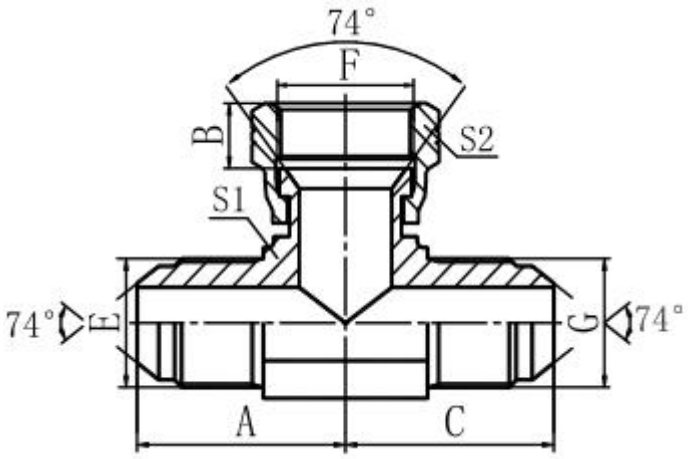
JIC Female Swivel Run Tee Connectors REF: ISO 8434-2 / SAE J514 SAE 070432/ Parker R6X



PART NO.	E	F	G	A	B	C	S1	S2
CJ-04	7/16"X20	7/16"X20	7/16"X20	24.5	24.5	9	11	14
CJ-05	1/2"X20	1/2"X20	1/2"X20	26.6	26.6	9.5	14	17
CJ-06	9/16"X18	9/16"X18	9/16"X18	26.9	26.9	10	14	19
CJ-08	3/4"X16	3/4"X16	3/4"X16	32	32	11	19	22
CJ-10	7/8"X14	7/8"X14	7/8"X14	37.8	37.8	13	22	27
CJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	44.2	44.2	14.5	27	32
CJ-14	1.3/16"X12	1.3/16"X12	1.3/16"X12	47.5	47.5	15	30	36
CJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	46	46	15.18	33	41
CJ-20	1.5/8"X12	1.5/8"X12	1.5/8"X12	55.5	55.5	16.1	41	50
CJ-24	1.7/8"X12	1.7/8"X12	1.7/8"X12	62.5	62.5	18.6	48	60
CJ-32	2.1/2"X12	2.1/2"X12	2.1/2"X12	77.5	77.5	23.8	63	75

BJ JIC Female Swivel Fittings Branch Tee

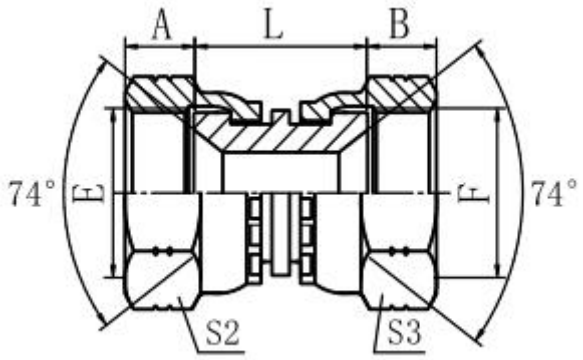
JIC Female Swivel Branch Tee Connectors REF: ISO 8434-2 / SAE J514 SAE 070433 / Parker S6X



PART NO.	E	F	G	A	B	C	S1	S2
BJ-04	7/16"X20	7/16"X20	7/16"X20	24.5	9	24.5	11	14
BJ-05	1/2"X20	1/2"X20	1/2"X20	26.5	9.5	26.5	14	17
BJ-06	9/16"X18	9/16"X18	9/16"X18	26.9	10	26.9	14	19
BJ-08	3/4"X16	3/4"X16	3/4"X16	32	11	32	19	22
BJ-10	7/8"X14	7/8"X14	7/8"X14	37.8	13	37.8	22	27
BJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	44.2	14.5	44.2	27	32
BJ-14	1.3/16"X12	1.3/16"X12	1.3/16"X12	47.5	15	47.5	30	36
BJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	49	15.18	49	33	41
BJ-20	1.5/8"X12	1.5/8"X12	1.5/8"X12	56	16.1	56	41	50
BJ-24	1.7/8"X12	1.7/8"X12	1.7/8"X12	63.5	18.6	63.5	48	60
BJ-32	2.1/2"X12	2.1/2"X12	2.1/2"X12	78	23.8	78	63	75

3J JIC Female Swivel Fittings Straight Union

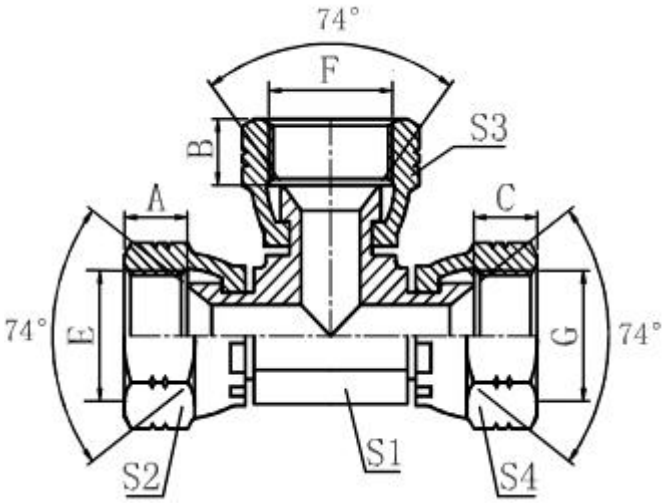
JIC Female Swivel Union Straight Connectors REF: ISO 8434-2 / SAE J514 / Parker HX6



PART NO.	E	F	A	B	L	S2	S3
3J-04	7/16"X20	7/16"X20	9	9	19	14	14
3J-04-05	7/16"X20	1/2"X20	9	9.5	20.5	14	17
3J-04-06	7/16"X20	9/16"X18	9	10	20.5	14	19
3J-05	1/2"X20	1/2"X20	9.5	9.5	21	17	17
3J-05-06	1/2"X20	9/16"X18	9.5	10	21	17	19
3J-06	9/16"X18	9/16"X18	10	10	21	19	19
3J-06-08	9/16"X18	3/4"X16	10	11	23	19	22
3J-08	3/4"X16	3/4"X16	11	11	26	22	22
3J-08-10	3/4"X16	7/8"X14	11	13	26.5	22	27
3J-08-12	3/4"X16	1.1/16"X12	11	14.5	28	22	32
3J-10	7/8"X14	7/8"X14	13	13	27	27	27
3J-10-12	7/8"X14	1.1/16"X12	13	14.5	28	27	32
3J-12	1.1/16"X12	1.1/16"X12	14.5	14.5	29	32	32
3J-12-14	1.1/16"X12	1.3/16"X12	14.5	15	29	32	36
3J-12-16	1.1/16"X12	1.5/16"X12	14.5	15.18	29	32	41
3J-16	1.5/16"X12	1.5/16"X12	15.18	15.18	29	41	41
3J-20	1.5/8"X12	1.5/8"X12	16.1	16.1	35	50	50
3J-24	1.7/8"X12	1.7/8"X12	18.6	18.6	37	60	60
3J-32	2.1/2"X12	2.1/2"X12	23.8	23.8	37	75	75

DJ JIC Female Swivel Fittings Tee Union

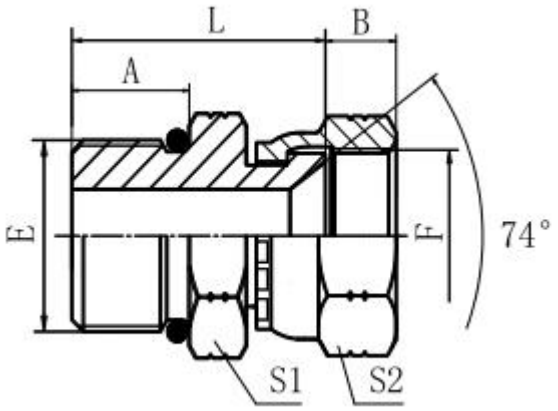
JIC Female Swivel Union Tee Connectors REF: ISO 8434-2 / SAE J514 / Parker JX6



PART NO.	E	F	G	A,B,C	S1	S2,S3,S4
DJ-04	7/16"X20	7/16"X20	7/16"X20	9	11	14
DJ-05	1/2"X20	1/2"X20	1/2"X20	9.5	11	17
DJ-06	9/16"X18	9/16"X18	9/16"X18	10	14	19
DJ-08	3/4"X16	3/4"X16	3/4"X16	11	16	22
DJ-10	7/8"X14	7/8"X14	7/8"X14	13	22	27
DJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12	14.5	24	32
DJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12	15.18	33	41

2OJ JIC Female Swivel Fittings Straight SAE ORB stud ISO 11926 SAE J1926

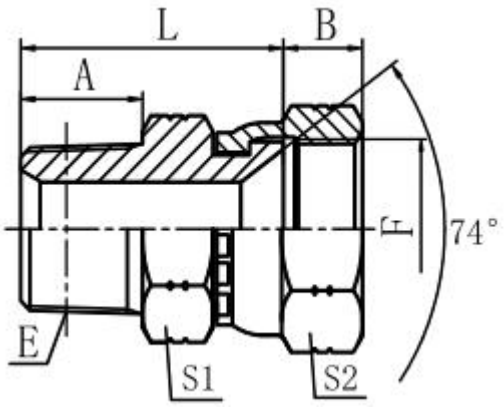
JIC Female Swivel SAE ORB Straight Connectors REF: ISO 8434-2 / SAE J514 / Parker F65OX



PART NO.	E	F	E	A	B	L	S1	S2
2OJ-04	7/16"X20	7/16"X20	8.92x1.83	9.1	9	23	14	14
2OJ-05	1/2"X20	1/2"X20	10.52x1.83	9.1	9.5	23.5	17	17
2OJ-05-04	1/2"X20	7/16"X20	10.52x1.83	9.1	9	23	17	14
2OJ-06	9/16"X18	9/16"X18	11.89x1.98	10	10	24.5	17	19
2OJ-06-04	9/16"X18	7/16"X20	11.89x1.98	10	9	24	17	14
2OJ-06-08	9/16"X18	3/4"X16	11.89x1.98	10	11	26	19	22
2OJ-08	3/4"X16	3/4"X16	16.36x2.21	11.1	11	29.5	22	22
2OJ-08-06	3/4"X16	9/16"X18	16.36x2.21	11.1	10	27.5	22	19
2OJ-08-10	3/4"X16	7/8"X14	19.18x2.46	11.1	13	30	22	27
2OJ-10	7/8"X14	7/8"X14	19.18x2.46	12.7	13	34	27	27
2OJ-10-08	7/8"X14	3/4"X16	19.18x2.46	12.7	11	33	27	22
2OJ-10-12	7/8"X14	1.1/16"X12	23.47x2.95	12.7	14.5	35	27	32
2OJ-12	1.1/16"X12	1.1/16"X12	23.47x2.95	15.1	14.5	38.5	32	32
2OJ-12-08	1.1/16"X12	3/4"X16	23.47x2.95	15.1	11	36.5	32	22
2OJ-12-10	1.1/16"X12	7/8"X14	23.47x2.95	15.1	13	37	32	27
2OJ-12-16	1.1/16"X12	1.5/16"X12	23.47x2.95	15.1	15.18	38.5	32	41
2OJ-14	1.3/16"X12	1.3/16"X12	26.62x2.95	15.1	15	38.5	36	36
2OJ-16	1.5/16"X12	1.5/16"X12	29.74x2.95	15.1	15.18	38.5	38	41
2OJ-16-12	1.5/16"X12	1.1/16"X12	29.74x2.95	15.1	14.5	38.5	38	32
2OJ-16-14	1.5/16"X12	1.3/16"X12	29.74x2.95	15.1	15	38.5	38	36
2OJ-16-20	1.5/16"X12	1.5/8"X12	37.46x3.00	15.1	16.18	42	41	50
2OJ-20	1.5/8"X12	1.5/8"X12	37.46x3.00	15.1	16.18	46.5	50	50
2OJ-24	1.7/8"X12	1.7/8"X12	43.69x3.00	15.1	18.6	48	55	60
2OJ-32	2.1/2"X12	2.1/2"X12	59.36X3.00	15.1	23.8	50.5	70	75

2NJ JIC Female Swivel Fittings Straight NPT Stud

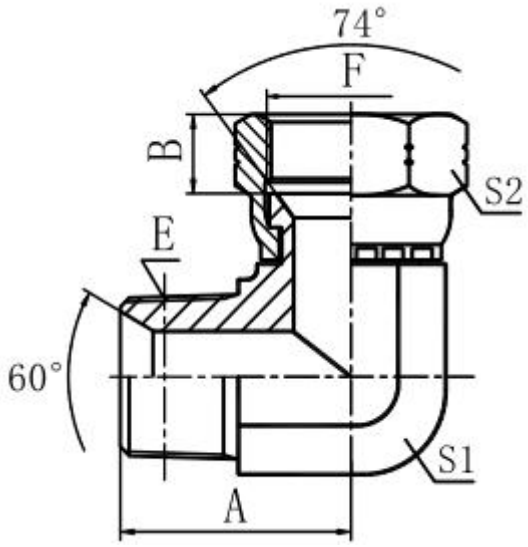
JIC Female Swivel NPT Straight Connectors REF: ISO 8434-2 / SAE J514 SAE 070106 / Parker F6X



PART NO.	E	F	A	B	L	S1	S2
2NJ-02-04	Z1/8"X27	7/16"X20	10.5	9	24.5	12	14
2NJ-02-05	Z1/8"X27	1/2"X20	10.5	9.5	25	12	17
2NJ-04	Z1/4"X18	7/16"X20	15	9	29	17	14
2NJ-04-05	Z1/4"X18	1/2"X20	15	9.5	29.5	17	17
2NJ-04-06	Z1/4"X18	9/16"X18	15	10	29.5	17	19
2NJ-04-08	Z1/4"X18	3/4"X16	15	11	31.5	19	22
2NJ-06	Z3/8"X18	9/16"X18	15	10	30.5	19	19
2NJ-06-08	Z3/8"X18	3/4"X16	15	11	32.5	19	22
2NJ-06-10	Z3/8"X18	7/8"X14	15	13	35	22	27
2NJ-08	Z1/2"X14	3/4"X16	19.8	11	37.5	22	22
2NJ-08-06	Z1/2"X14	9/16"X18	19.8	10	36	22	19
2NJ-08-10	Z1/2"X14	7/8"X14	19.8	13	38	22	27
2NJ-08-12	Z1/2"X14	1.1/16"X12	19.8	14.5	42	27	32
2NJ-12	Z3/4"X14	1.1/16"X12	19.8	14.5	42	30	32
2NJ-12-08	Z3/4"X14	3/4"X16	19.8	11	40	30	22
2NJ-12-10	Z3/4"X14	7/8"X14	19.8	13	40.5	30	27
2NJ-12-16	Z3/4"X14	1.5/16"X12	19.8	15.18	42.5	32	41
2NJ-16	Z1"X11.5	1.5/16"X12	24.6	15.18	48	36	41
2NJ-16-12	Z1"X11.5	1.1/16"X12	24.6	14.5	49	36	32
2NJ-16-20	Z1"X11.5	1.5/8"X12	24.6	16.1	55	41	50
2NJ-20	Z1.1/4"X11.5	1.5/8"X12	25.4	16.1	56	46	50
2NJ-20-24	Z1.1/4"X11.5	1.7/8"X12	25.4	18.6	58	46	60
2NJ-24-20	Z1.1/2"X11.5	1.5/8"X12	26.2	16.1	59	50	50
2NJ-24	Z1.1/2"X11.5	1.7/8"X12	26.2	18.6	61	50	60

2NJ9 JIC Female Swivel Fittings Elbow NPT Stud

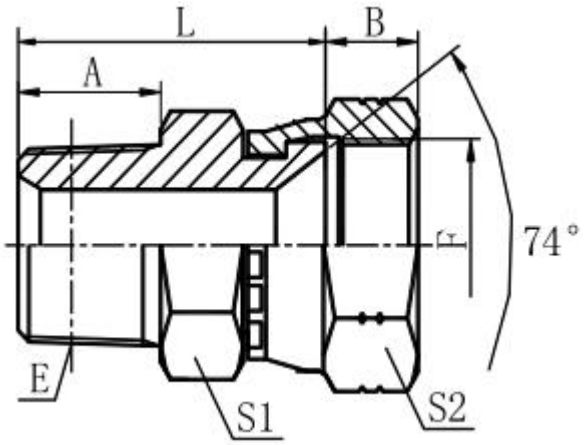
JIC Female Swivel NPT Elbow Connectors REF: ISO 8434-2 / SAE J514



PART NO.	E	F	A	B	S1	S2
2NJ9-02-04	Z1/4"X18	7/16"X20	21	9	11	14
2NJ9-02-05	Z1/4"X18	1/2"X20	21	9	11	17
2NJ9-04	Z1/4"X18	7/16"X20	25.5	9	14	14
2NJ9-04-06	Z1/4"X18	9/16"X18	25.5	10	14	19
2NJ9-06	Z3/8"X18	9/16"X18	31	10	19	19
2NJ9-06-08	Z3/8"X18	3/4"X16	31	11	19	22
2NJ9-08	Z1/2"X14	3/4"X16	35.6	11	22	22
2NJ9-08-10	Z1/2"X14	7/8"X14	35.6	12	22	27
2NJ9-08-12	Z1/2"X14	1.1/16"X12	37.5	14.5	24	32
2NJ9-12	Z3/4"X14	1.1/16"X12	44	14.5	27	32
2NJ9-12-08	Z3/4"X14	3/4"X16	43.5	11	27	22
2NJ9-12-10	Z3/4"X14	7/8"X14	43.5	12	27	27
2NJ9-16	Z1"X11.5	1.5/16"X12	46.2	15.18	33	41
2NJ9-16-14	Z1"X11.5	1.3/16"X12	49	15	33	36
2NJ9-20	Z1.1/4"X11.5	1.5/8"X12	53	16.18	41	50
2NJ9-24	Z1.1/2"X11.5	1.7/8"X12	59	18.6	48	60

2TJ-SP JIC Female Swivel Fittings Straight BSPT Stud

JIC Female Swivel BSPT Straight Connectors REF: ISO 8434-2 / SAE J514 / Parker F63MX



PART NO.	E	F	A	B	L	S1	S2
2TJ-02-04SP	R1/8"X28	7/16"X20	10.5	9	24	12	14
2TJ-04SP	R1/4'X19	7/16"X20	14.5	9	28	14	14
2TJ-04-05SP	R1/4'X19	1/2"X20	14.5	9.5	28.5	14	17
2TJ-04-06SP	R1/4'X19	9/16"X18	14.5	10	28.5	14	19
2TJ-06-05SP	R3/8"X19	1/2"X20	15	9.5	29.5	19	17
2TJ-06SP	R3/8"X19	9/16"X18	15	10	29.5	17	19
2TJ-06-08SP	R3/8"X19	3/4"X16	15	11	31.5	19	22
2TJ-08SP	R1/2"X14	3/4"X16	20	11	37.5	24	22
2TJ-08-10SP	R1/2"X14	7/8"X14	20	13	38	24	27
2TJ-08-12SP	R1/2"X14	1.1/16"X12	20	14.5	42.5	27	32
2TJ-12SP	R3/4"X14	1.1/16"X12	20	14.5	41.5	30	32
2TJ-12-16SP	R3/4"X14	1.5/16"X12	20	15.18	44.5	32	41
2TJ-16SP	R1"X11	1.5/16"X12	25.5	15.18	48.5	36	41
2TJ-20SP	R1.1/4"X11	1.5/8"X12	26.5	16.1	55	46	50
2TJ-24SP	R1.1/2"X11	1.7/8"X12	26.5	18.6	60	50	60