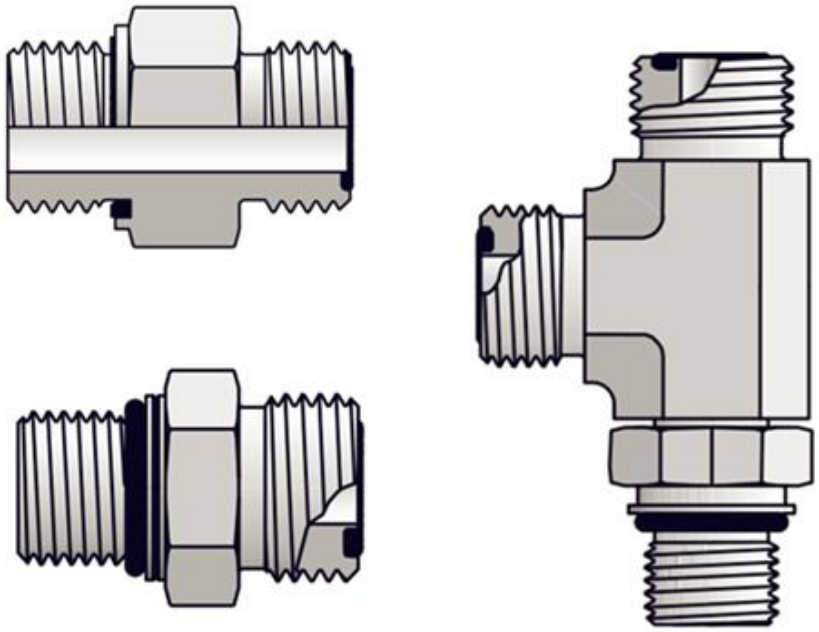
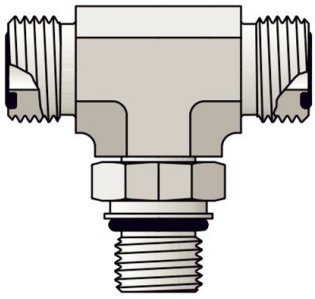
ORFS Metric Stud Fitting/Metric Stud Connector



From ORFS to Metric ORR Stud Fittings



Metric Stud Ends ORFS Fittings:

ISO 9974-2 Stud ends with elastomeric sealing (type E)

ISO 6149-2 /3 S/L Series Metric Stud Ends

ORR O-ring and Retaining Ring OG type

Shapes of ORFS Metric Stud Fittings

Straight Stud ISO 6149-2 SAE 52M0187

90 Degree Elbow ISO 6149-2 SAE 52M0287

45 Degree Elbow ISO 6149-2 SAE 52M3287

Run Tee ISO 6149-2 SAE 52M0488

Branch Tee ISO 6149-2 SAE 52M0487

ORFS Metric Stud Fittings Catalog

ORFS Metric Stud Fittings Size Chart

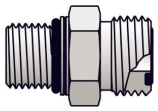
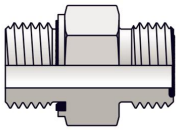
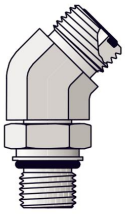
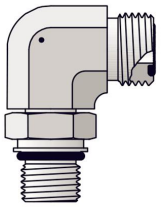
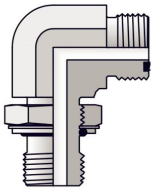
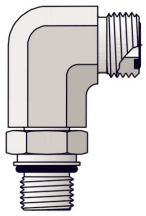
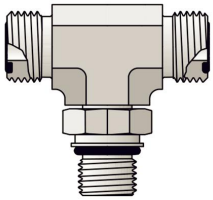
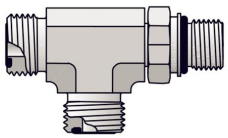
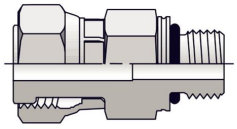
FITSCH

ORFS Male Metric Stud Fittings Introduction

This male stud connector is from ORFS O-ring Face Seal Tube end to metric stud ends, O-ring sealing stud meet ISO 6149-2 / SAE J2244-2 (S series heavy duty) and ISO 6149-3 / SAE J2244-3(L series light duty).It will be matched with ISO 261 metric threads port by O-ring seal in truncated housing according to ISO 6149-1 / SAE J2244-; Flat face sealing stud meet ISO 9974-2 with ED sealing and O-ring Retaining Ring sealing, match with ISO 9974-1 and DIN 3852-2 port. It is most popular male stud fittings in Europe, China and the other countries.

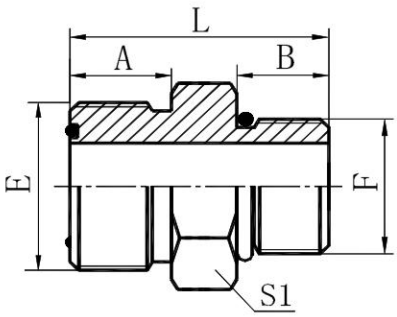
Overview catalogue Of ORFS Male Metric Stud Fittings Connectors

ORFS male metric stud fitting is made of these shapes(Parker-Eaton series no), from hex bar or forging body as follows:

F87OMLO/1FH-N 	**F82EDMLO/1FH-WD** 	**V87OML / 1FH4-OGN** 
C87OMLO / 1FH9-OGN 	**C8OMLO / 1FH9-OG** 	**CC87OMLO / 1FH9-OGNL** 
S87OMLO / AFHF-OGN 	**R87OMLO / AFFH-OGN** 	**F687OML / 2F** 

1FH-N F87OMLO ORFS Male Metric Stud Straight Fittings

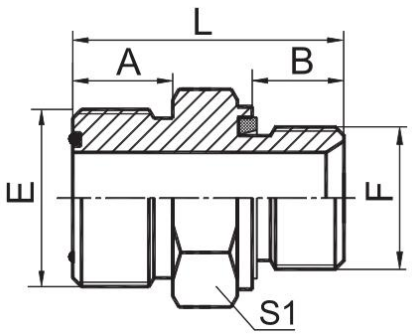
ORFS Tube end ISO 8434-3 SDS /Male M thread O-ring ISO 6149, SAE J1453 SAE52M0187



PART NO.	THREAD		O O RING		DIMENSIONS			
	E	F	E	F	A	B	L	S1
1FH-04-10N	9/16" X18	M10X1	O011	O08.1X1.6	10	9.5	28	17
1FH-04-12N	9/16" X18	M12X1.5	O011	O09.3X2.2	10	11	28.5	17
1FH-06-12N	11/16"X16	M12X1.5	O012	O09.3X2.2	11.2	11	31	19
1FH-06-14N	11/16"X16	M14X1.5	O012	O11.3X2.2	11.2	11	31	19
1FH-06-16N	11/16"X16	M16X1.5	O012	O13.3X2.2	11.2	12.5	33.5	22
1FH-08-16N	13/16"X16	M16X1.5	O014	O13.3X2.2	12.8	12.5	36	22
1FH-08-18N	13/16"X16	M18X1.5	O014	O15.3X2.2	12.8	14	36.5	24
1FH-08-22N	13/16"X16	M22X1.5	O014	O19.3X2.2	12.8	15	37.5	27
1FH-10-22N	1"X14	M22X1.5	O016	O19.3X2.2	15.5	15	40.5	27
1FH-12-22N	1.3/16"X12	M22X1.5	O018	O19.3X2.2	17	15	45.5	32
1FH-12-27N	1.3/16"X12	M27X2	O018	O23.6X2.9	17	18.5	49	32
1FH-16-33N	1.7/16"X12	M33X2	O021	O29.6X2.9	17.5	18.5	51	41
1FH-20-42N	1.11/16"X12	M42X2	O025	O38.6X2.9	17.5	19	54.5	50
1FH-24-48N	2"X12	M48X2	O029	O44.6X2.9	17.5	21.5	57	55

1FM-WD F82EDMLO ORFS Male Metric Stud Straight Fittings

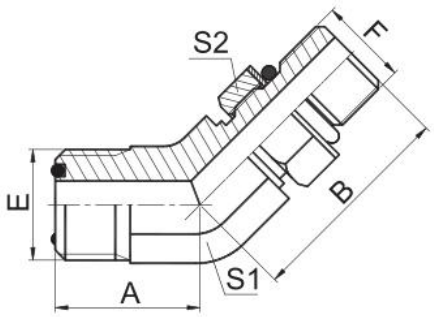
ORFS Tube end ISO 8434-3 SDS /Male M thread ED Sealing ISO 9974, SAE J1453



PART NO.	THREAD		O-RING	SEAL	DIMENSIONS			
	E	F	E	F	A	B	L	S1
1FM-04-10WD	9/16"X18	M10X1	O011	WD-B02	10	8	26.5	17
1FM-04-12WD	9/16"X18	M12X1.5	O011	WD-M12	10	12	30	17
1FM-04-14WD	9/16"X18	M14X1.5	O011	WD-B04	10	12	30	19
1FM-06-12WD	11/16"X16	M12X1.5	O012	WD-M12	11.2	12	32	19
1FM-06-14WD	11/16"X16	M14X1.5	O012	WD-B04	11.2	12	31	19
1FM-06-16WD	11/16"X16	M16X1.5	O012	WD-M16	11.2	12	33	22
1FM-06-18WD	11/16"X16	M18X1.5	O012	WD-M18	11.2	12	33.5	24
1FM-08-16WD	13/16"X16	M16X1.5	O014	WD-M16	12.8	12	35	22
1FM-08-18WD	13/16"X16	M18X1.5	O014	WD-M18	12.8	12	35.5	24
1FM-08-22WD	13/16"X16	M22X1.5	O014	WD-M22	12.8	14	38	27
1FM-10-20WD	1"X14	M20X1.5	O016	WD-M20	15.5	14	40	27
1FM-10-22WD	1"X14	M22X1.5	O016	WD-M22	15.5	14	40.5	27
1FM-12-18WD	1.3/16"x12	M18X1.5	O018	WD-M18	17	12	42.5	32
1FM-12-22WD	1.3/16"x12	M22X1.5	O018	WD-M22	17	14	45	32
1FM-16-27WD	1.7/16"X12	M27X2	O021	WD-B12	17.5	16	47.5	38
1FM-16-33WD	1.7/16"X12	M33X2	O021	WD-B16	17.5	18	51.5	41
1FM-20-42WD	1.11/16"X12	M42X2	O025	WD-B20	17.5	20	55.5	50
1FM-24-48WD	2"X12	M48X2	O029	WD-B24	17.5	22	57.5	55

1FH4-OGN V87OMLO ORFS Male Metric Stud E45 Elbow Fittings

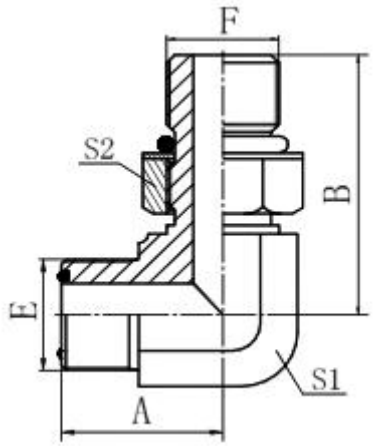
ORFS Tube end ISO 8434-3 SDE45 /Male M thread O-ring ISO 6149, SAE J1453 SAE 52M0387



PART NO.	THREAD		O RING		DIMENSIONS			
	E	F	E	F	A	B	S1	S2
1FH4-04-14OGN	9/16"X18	M14X1.5	O011	O11.3X2.4	18.3	29.5	14	19
1FH4-06-14OGN	11/16"X16	M14X1.5	O012	O11.3X2.4	20.5	33	19	19
1FH4-06-16OGN	11/16"X16	M16X1.5	O012	O13.3X2.4	20.5	33.5	19	22
1FH4-08-16OGN	13/16"X16	M16X1.5	O014	O13.3X2.4	24	33.5	22	22
1FH4-08-18OGN	13/16"X16	M18X1.5	O014	O15.3X2.4	24	36	22	24
1FH4-10-22OGN	1"X14	M22X1.5	O016	O19.3X2.4	28	38.5	27	27
1FH4-12-22OGN	1.3/16"X12	M22X1.5	O018	O19.3X2.4	30.7	39.5	30	27
1FH4-12-27OGN	1.3/16"X12	M27X2	O018	O23.5X3.0	30.7	40	30	32
1FH4-16-33OGN	1.7/16"X12	M33X2	O021	O29.5X3.0	33	48.5	36	41

1FH9-OGN E87OMLO ORFS Male Metric Stud E45 Elbow Fittings

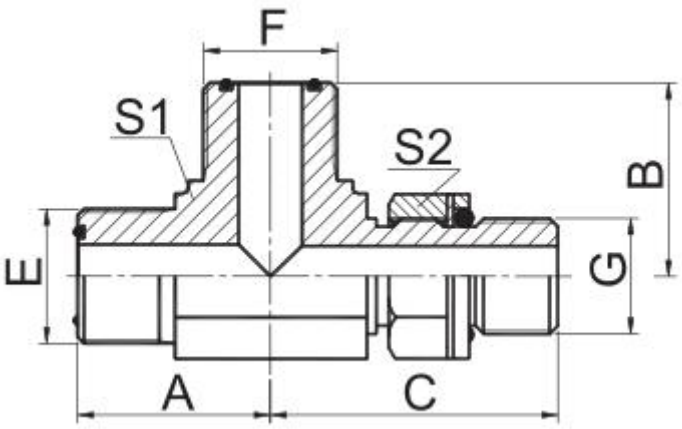
ORFS Tube end ISO 8434-3 SDE /Male M thread O-ring ISO 6149, SAE J1453 SAE 52M0287



PART NO.	THREAD		O RING		DIMENSIONS			
	E	F	E	F	A	B	S1	S2
1FH9-04-12OGN	9/16"X18	M12X1.5	O011	O09.3X2.2	23	32	14	17
1FH9-06-14OGN	11/16"X16	M14X1.5	O012	O11.3X2.2	27	35.5	19	19
1FH9-06-16OGN	11/16"X16	M16X1.5	O012	O13.3X2.2	27	38	19	22
1FH9-08-16OGN	13/16"X16	M16X1.5	O014	O13.3X2.2	31	40.5	22	22
1FH9-08-18OGN	13/16"X16	M18X1.5	O014	O15.3X2.2	31	43	22	24
1FH9-08-22OGN	13/16"X16	M22X1.5	O014	O19.3X2.2	31	44.5	22	27
1FH9-10-22OGN	1"X14	M22X1.5	O016	O19.3X2.4	36.5	48	27	27
1FH9-12-27OGN	1.3/16"X12	M27X2	O018	O23.6X2.9	40.5	50	30	32
1FH9-12-33OGN	1.3/16"X12	M33X2	O018	O29.6X2.9	42.5	56	33	41
1FH9-16-33OGN	1.7/16"X12	M33X2	O021	O29.6X2.9	44.5	58.5	36	41

AFFH-OG R8OMLO ORFS Male Metric Stud Run Tee Fittings

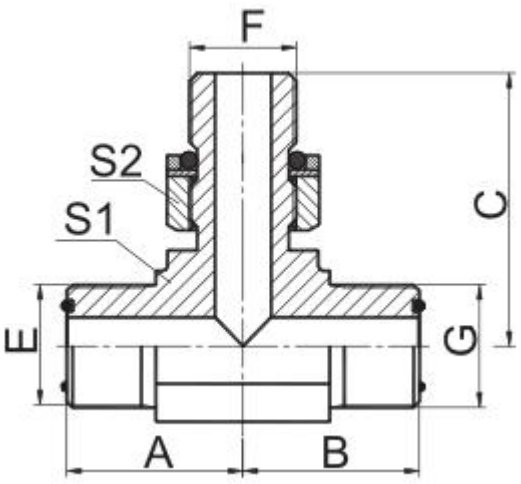
ORFS Tube end ISO 8434-3 SDRT /Male M ORR O-ring and Retaining Ring Seal, SAE J1453



PART NO.	THREAD			O-RING			DIMENSIONS				
	E	F	G	E	F	G	A	B	C	S1	S2
AFFH-04-04-14OG	9/16"X18	9/16"X18	M14X1.5	O011	O011	O11.3X2.4	23	23	33.5	14	19
AFFH-06-06-16OG	11/16"X16	11/16"X16	M16X1.5	O012	O012	O13.3X2.4	27	27	38	19	22
AFFH-08-08-22OG	13/16"X16	13/16"X16	M22X1.5	O014	O014	O19.3X2.4	31	31	44.5	22	27
AFFH-10-10-22OG	1"X14	1"X14	M22X1.5	O016	O016	O19.3X2.4	36.5	36.5	48	27	27
AFFH-12-12-27OG	1.3/16"X12	1.3/16"X12	M27X2	O018	O018	O23.5X3.0	40.5	40.5	50	30	32
AFFH-16-16-33OG	1.7/16"X12	1.7/16"X12	M33X2	O021	O021	O29.5X3.0	44.5	44.5	58.5	36	41

AFHF-OG S8OMLO ORFS Male Metric Stud Branch Tee Fittings

ORFS Tube end ISO 8434-3 SDRT /Male M ORR O-ring and Retaining Ring Seal, SAE J1453



PART NO.	THREAD			O-RING			DIMENSIONS				
	E	F	G	E	F	G	A	B	C	S1	S2
AFHF-04-14-04OG	9/16"X18	M14X1.5	9/16"X18	O011	O11.3X2.4	O011	23	33.5	23	14	19
AFHF-06-16-06OG	11/16"X16	M16X1.5	11/16"X16	O012	O13.3X2.4	O012	27	38	27	19	22
AFHF-08-22-08OG	13/16"X16	M22X1.5	13/16"X16	O014	O19.3X2.4	O014	31	44.5	31	22	27
AFHF-10-22-10OG	1"X14	M22X1.5	1"X14	O016	O19.3X2.4	O016	36.5	48	37	27	27
AFHF-12-27-12OG	1.3/16"X12	M27X2	1.3/16"X12	O018	O23.5X3.0	O018	40.5	50	41	30	32
AFHF-16-33-16OG	1.7/16"X12	M33X2	1.7/16"X12	O021	O29.5X3.0	O021	44.5	58.5	45	36	41