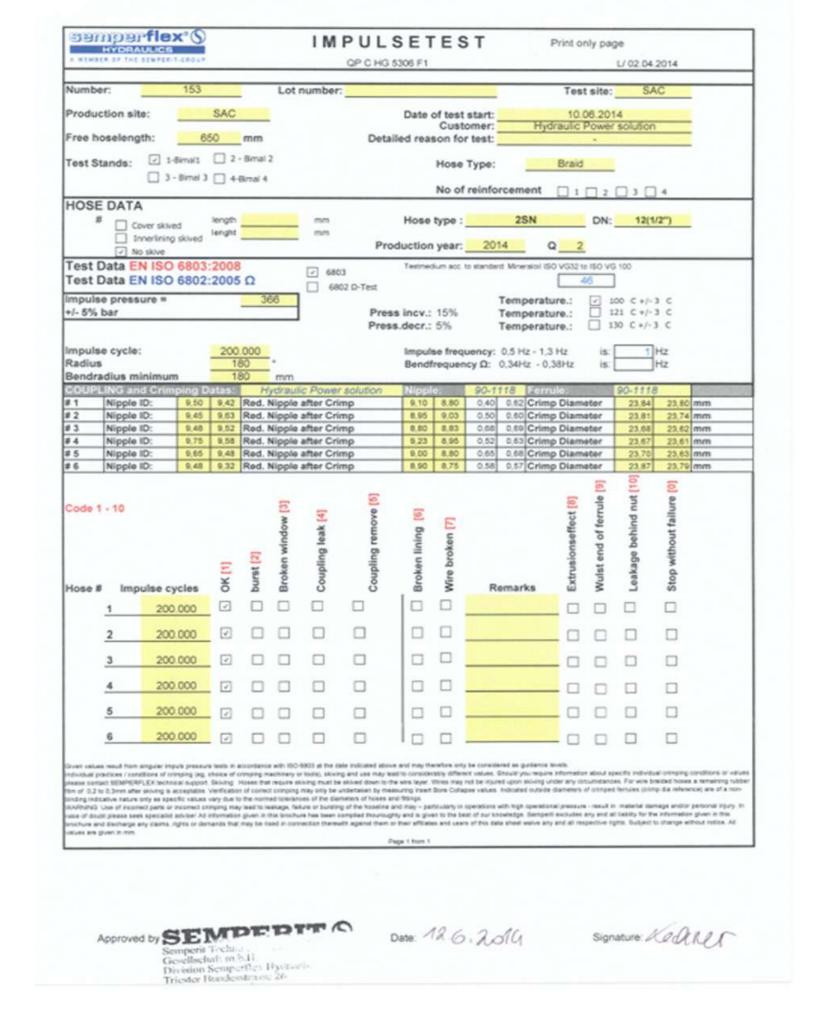




Hydraulic Power Solutions Pvt. Ltd. www.hpspl.com, www.hpsindia.co.in

Testing Certificates

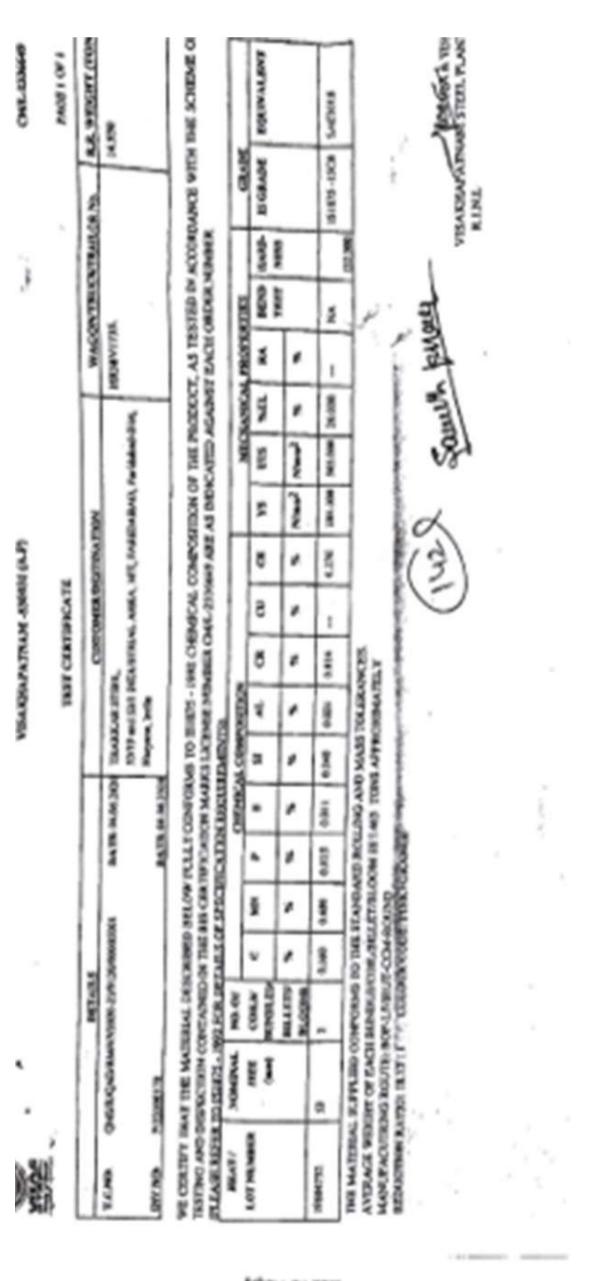




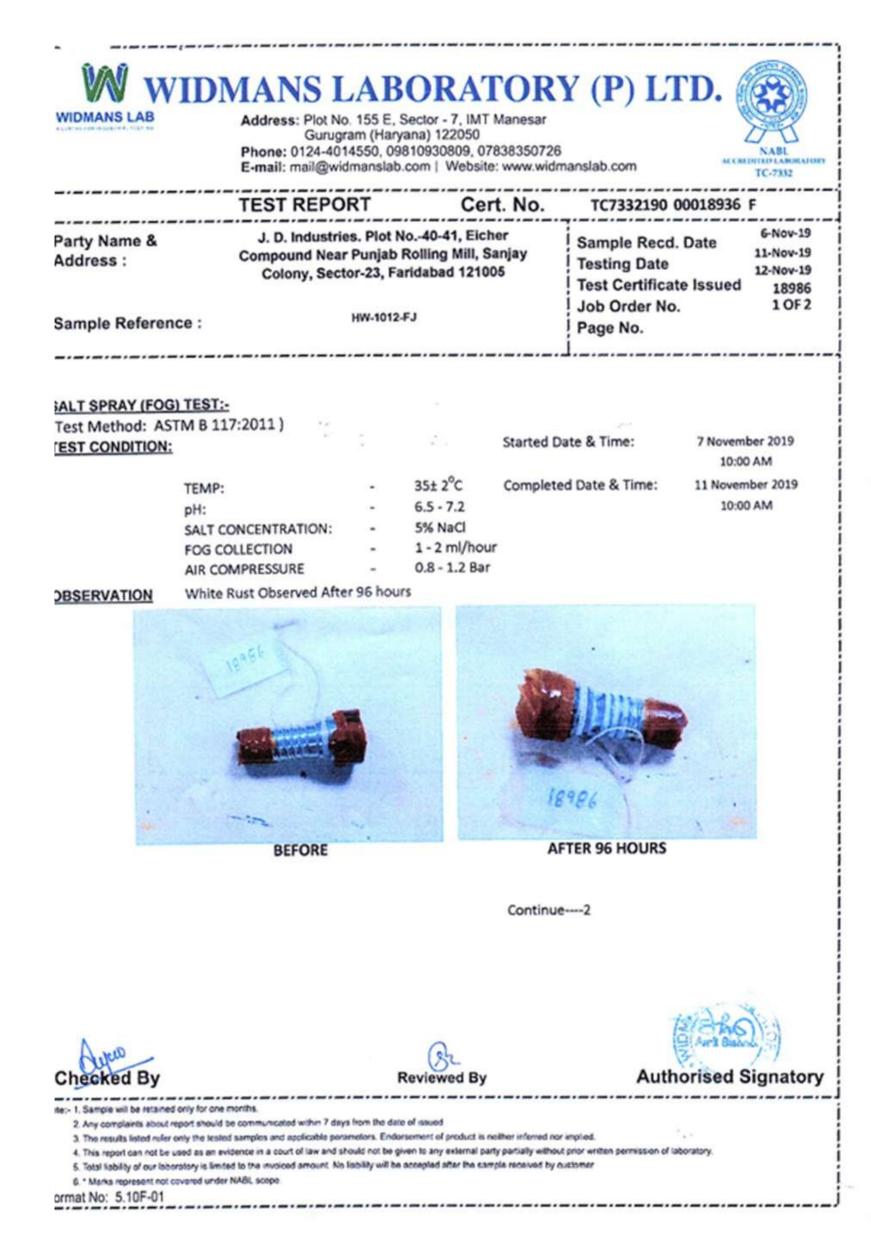


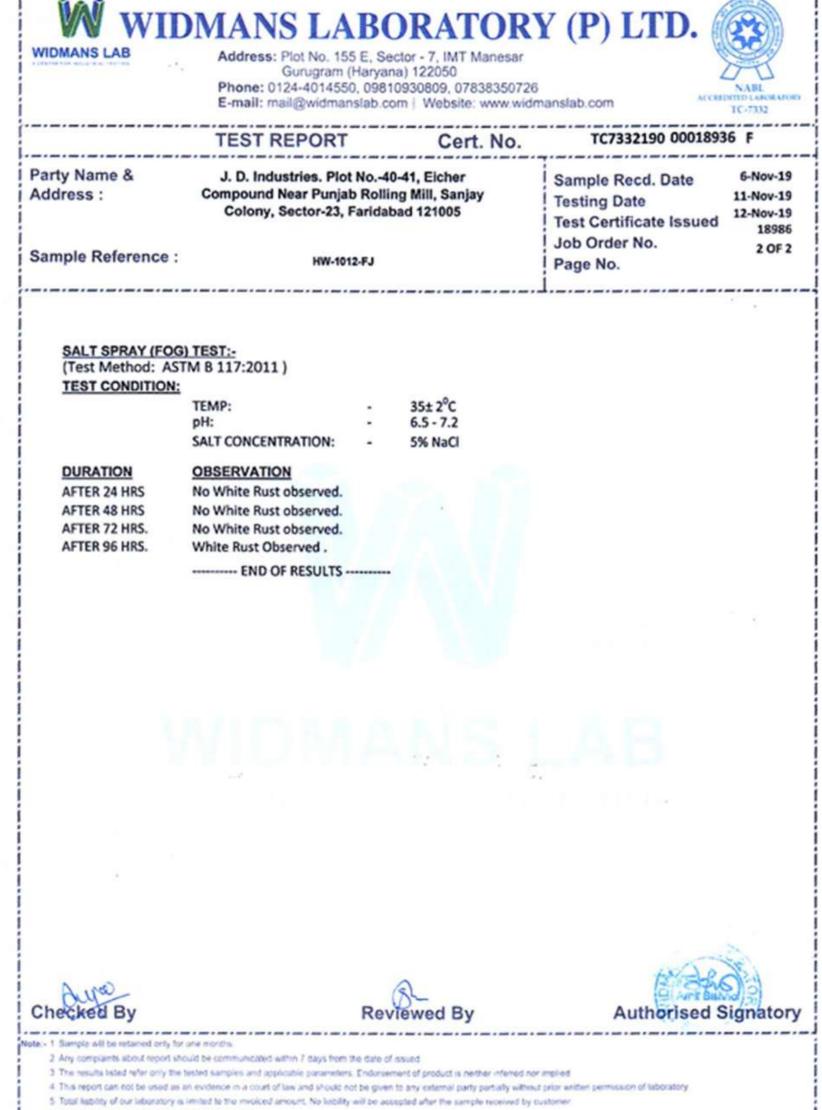
ISO 9001:2015

Impulse Test Certificate



Metal Test certificate





Plating Test Certificate



www.hpspl.com www.hpsndia.co.in

About Us

Hydraulic Power Solution Private Limited was established in Faridabad, India as a partnership firm and has over 15 years of experience in the field of hydraulic hose end-fitting manufacturing and assembly. The company is known and recognised in the market for its quality product and best in class service. Hydraulic Power Solutions Private Limited is an ISO 9001:2015 certified company.

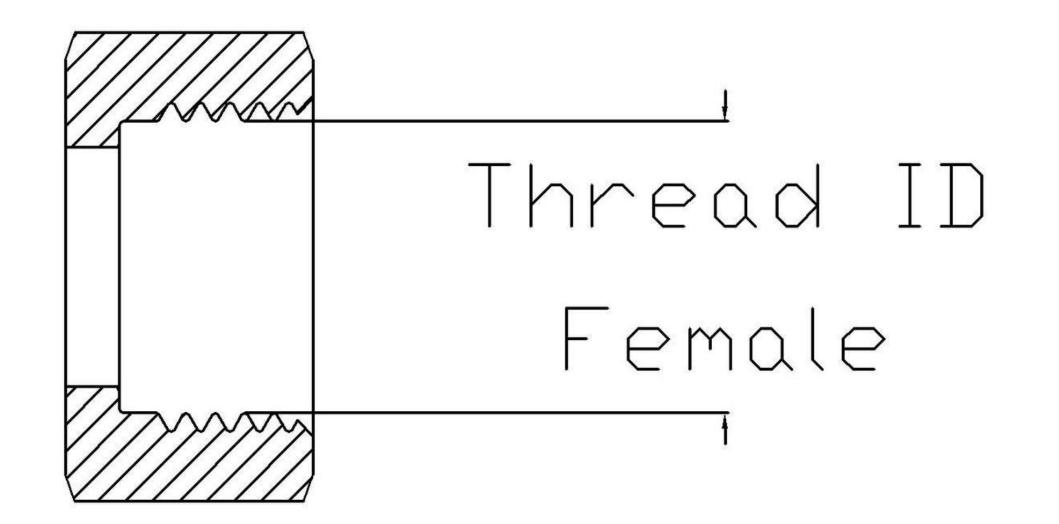
The company manufactures a wide range of adaptors, flanges, and hose end-fittings, for low to ultra- high-pressure range. They are compatible to high temperature in single/double wire braided and multi-spiral hoses and conform to SAE, DIN, JIC, JIS, BSP and other international standards. Focusing on manufacturing quality product, the company has over 25 CNC turning centres, SPM drilling, automats and allied machineries inhouse. The company uses UNIFLEX and FINNPOWER hose and nut crimpers, and has other facilities such as magnetic crack detection, profile projection, roughness and hardness testing, and pressure testing machines up to 5000 bar in-house.

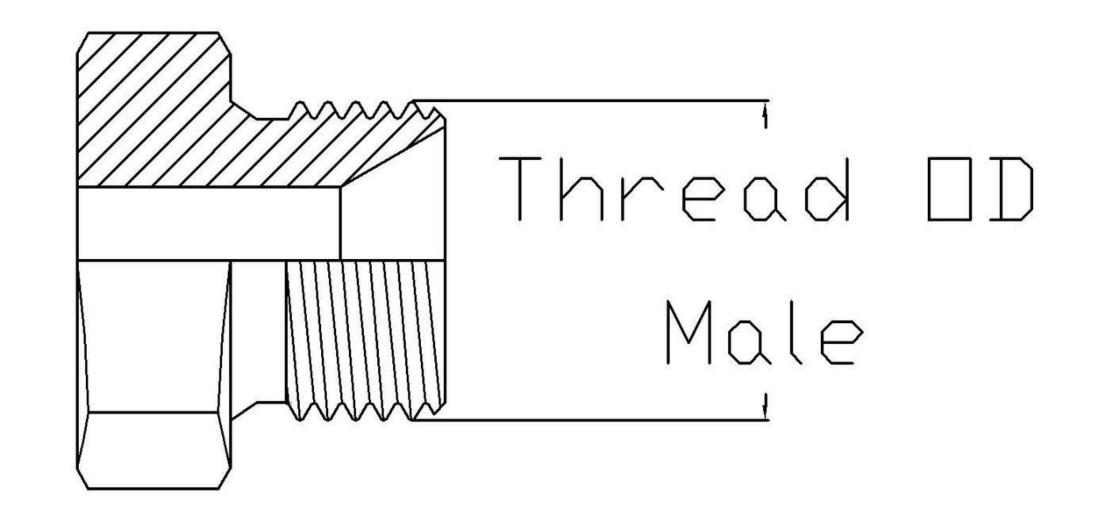
The company has a wide network of over 600 customers across the continent. We are authorised dealer and assembler for complete range of GATES and SEMPERIT hydraulic and industrial hoses. Our trusted customers range from OEMs (such as NORMAT, ISGEC, WINDLASS, Jindal Stainless Steels, GROZ tools, SEBROS etc.) to resellers, distributors, service providers and end users.

Hydraulic Power Solution Pvt. Ltd. is your one stop solution for hydraulic hose end fittings and assemblies. The company strives to deliver quality products, timely delivery and efficient services.



Thread Size Chart





DASH	INCH		BSP		JI	C (UNF)		ORFS	(UNF)	
SIZE	SIZE	THREAD SIZE	MALE	FEMALE	THREAD SIZE	MALE	FEMALE	THREAD SIZE	MALE	FEMALE
-02	1/8"	1/8"-28	9.6	8.7	5/16-24	7.9	6.9			
-04	1/4"	1/4"-19	13	11.6	7/16-20	11	9.9	9/16"-18	14.2	12.9
-05					1/2"-20	12.7	11.4			
-06	3/8"	3/8"-19	16.6	15.1	9/16"-18	14.2	12.9	11/16"-16	17.4	15.9
-07					5/8"-18	15.8	14.8			
-08	1/2"	1/2"-14	20.8	18.8	3/4"-16	18.8	17.5	13/16"-16	20.6	19.1
-10	5/8"	5/8"-14	22.8	20.9	7/8"-14	22.1	20.4	1"-14	25.3	23.6
-12	3/4"	3/4"-14	26.3	24.5	1-1/16"-12	26.8	24.8	1-3/16"-12	30	28
-16	1"	1"-11	33.1	30.7	1-5/16"-12	33.2	31.2	1-7/16"-12	36.4	34.4
-20	1-1/4"	1-1/4"-11	41.7	39.4	1-5/8"-12	41.1	38.8	1-11/16"-12	42.7	40.7
-24	1-1/2"	1-1/2"-11	47.7	45.2	1-7/8"-12	47.5	45.1	2"-12	50.7	48.7
-32	2"	2"-11	59.4	57.4	2-1/2"-12	63.3	61.1			

O-Ring Size Chart

DASH	INCH	BSP	ODEC	ELANGE	MET	RIC
SIZE	SIZE	DSP	ORFS	FLANGE	TUBE OD	SIZE
-02	1/8"		-	-	6	4X1.5
-04	1/4"	5.5 X 1	7.64X1.78	-	8	6X1.5
-06	3/8"	7.0 X 1.5	9.25X1.78	-	10	7.5X1.5
-08	1/2"	11.0 X 1.5	12.42X1.78	18.66X3.53	12	9X1.5
-10	5/8"	12.0 X 1.5	15.60X1.78	-	14	10X2
-12	3/4"	15.0 X 1.5	18.77X1.78	25.00X3.53	15	12X2
-16	1"	20.0 X 1.5	23.52X1.78	32.92X3.53	18	15X2
-20	1-1/4"	27.0 X 1.5	29.87X1.78	37.70X3.53	20	16.5X2.5
-24	1-1/2"	35.1 X 1.6	37.82X1.78	47.22X3.53	22	20X2
-32	2"	47.37 X 1.78		57.35X3.53	25	20X2.5
					28	26X2
					30	25X2.5
					35	32X2.5
					38	33X2.5
					42	38X2.5



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Wire Braid Fittings



BSP Female Straight

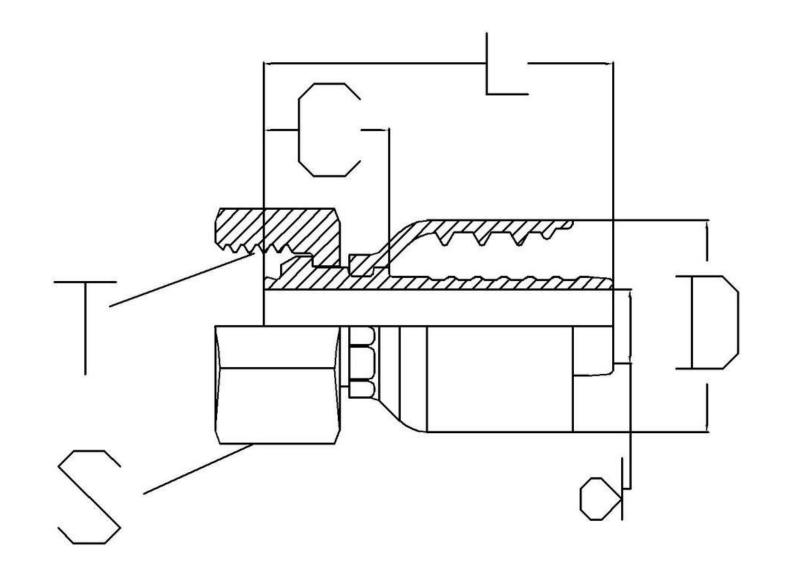
Standard - ISO 8434-6

Cone - 60°

O- Ring - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0402-FB	4	1/4	1/8-28BSP	14	46	17	4	23
HW-0404-FB	4	1/4	1/4-19BSP	19	45	16	4	23
HW-0404-FBO	4	1/4	1/4-19BSP	19	45	16	4	23
HW-0406-FBO	4	1/4	3/8-19BSP	22	46	17	4	23
HW-0506-FBO	5	5/16	3/8-19BSP	22	46	12	5	25
HW-0606-FB	6	3/8	3/8-19BSP	22	45	16	7	27
HW-0606-FBO	6	3/8	3/8-19BSP	22	45	16	7	27
HW-0608-FBO	6	3/8	1/2-14BSP	27	46	17	7	27
HW-0808-FB	8	1/2	1/2-14BSP	27	45	17	9	30
HW-0808-FBO	8	1/2	1/2-14BSP	27	45	17	9	30
HW-0810-FBO	8	1/2	5/8-14BSP	30	46	17	9	30
HW-0812-FBO	8	1/2	3/4-14BSP	32	48	19	10	30
HW-1010-FB	10	5/8	5/8-14BSP	30	51	18	12	32
HW-1010-FBO	10	5/8	5/8-14BSP	30	51	18	12	32
HW-1012-FBO	10	5/8	3/4-14BSP	32	54	21	13	32
HW-1212-FB	12	3/4	3/4-14BSP	32	66	23	14	40
HW-1216-FBO	12	3/4	1-11BSP	41	67	23	15	40
HW-1616-FB	16	1	1-11BSP	41	67	16	21	50
HW-1616-FBO	16	1	1-11BSP	41	67	16	21	50
HW-1620-FB	16	1	1.1/4-11BSP	50	66	23	22	50
HW-2020-FB	20	1 -1/4	1.1/4-11BSP	50	99	40	27	60
HW-2024-FB	20	1 -1/4	1.1/2-11BSP	55	119	48	26	60
HW-2424-FB	24	1 -1/2	1.1/2-11BSP	55	119	45	32	72
HW-2432-FB	24	1 -1/2	2-11BSP	70	122	49	32	72
HW-3232-FB	32	2	2-11BSP	70	151	59	43	85
HW-3240-FB-SKIVE	32	2	2.1/2-11BSP	85	92	31.5	42	73

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

BSP Female 90 degree bend

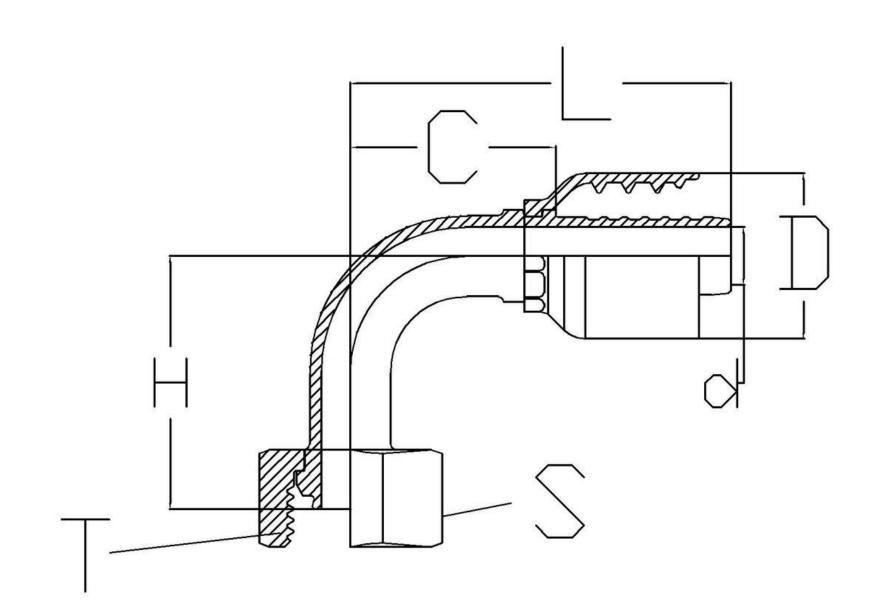
Standard - ISO 8434-6

Cone - 60°

O- Ring - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	Н
HW-0402-FB-90-23	4	1/4	1/8-28BSP	14	54	25	4	23	23
HW-0404-FB-90-26	4	1/4	1/4-19BSP	19	56	27	4	23	26
HW-0404-FBO-90-24	4	1/4	1/4-19BSP	19	55	21	4	23	24
HW-0404-FBO-90-72	4	1/4	1/4-19BSP	19	55	21	4	23	72
HW-0406-FBO-90-23	4	1/4	3/8-19BSP	22	53	25	4	23	23
HW-0506-FBO-90-35	5	5/16	3/8-19BSP	22	64	32	6	25	35
HW-0606-FB-90-31	6	3/8	3/8-19BSP	22	57	28	7	27	31
HW-0606-FBO-90-31	6	3/8	3/8-19BSP	22	57	28	7	27	31
HW-0606-FBO-90-72	6	3/8	3/8-19BSP	22	61	31	7	27	72
HW-0608-FBO-90-31	6	3/8	1/2-14BSP	27	58	30	7	27	31
HW-0808-FB-90-75	8	1/2	1/2-14BSP	27	74	44	9	30	75
HW-0808-FB-90-37	8	1/2	1/2-14BSP	27	71	43	10	30	37
HW-0808-FBO-90-37	8	1/2	1/2-14BSP	27	71	43	10	30	37
HW-0812-FBO-90-57	8	1/2	3/4-14BSP	32	73	44	10	30	57
HW-1010-FB-90-48	10	5/8	5/8-14BSP	30	85	52	12	32	48
HW-1010-FBO-90-48	10	5/8	5/8-14BSP	30	85	52	12	32	48
HW-1012-FBO-90-54	10	5/8	3/4-14BSP	32	84	51	12	32	54
HW-1212-FB-90-56	12	3/4	3/4-14BSP	32	105	62	14	40	56
HW-1212-FBO-90-57	12	3/4	3/4-14BSP	32	150	60	15	40	150
HW-1212-FBO-90-150	12	3/4	3/4-14BSP	32	150	60	15	40	150
HW-1216-FBO-90-66	12	3/4	1-11BSP	41	102	57	14	40	66
HW-1216-FBO-90-150	12	3/4	1-11BSP	41	102	57	14	40	150
HW-1616-FB-90-61	16	1	1-11BSP	41	115	74	19	50	61
HW-1616-FBO-90-65	16	1	1-11BSP	41	115/145	74	19	50	65
HW-1616-FBO-90-150	16	1	1-11BSP	41	115/145	74	19	50	150
HW-2020-FB-90-95	20	1 -1/4	1.1/4-11BSP	50	140	108	24	60	95
HW-2424-FB-90-100	24	1 -1/2	1.1/2-11BSP	55	230	135	26	68	100
HW-3232-FB-90-130	32	2	2-11BSP	70	285	175	38	83	130

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

BSP Female 45 degree bend

Standard - ISO 8434-6

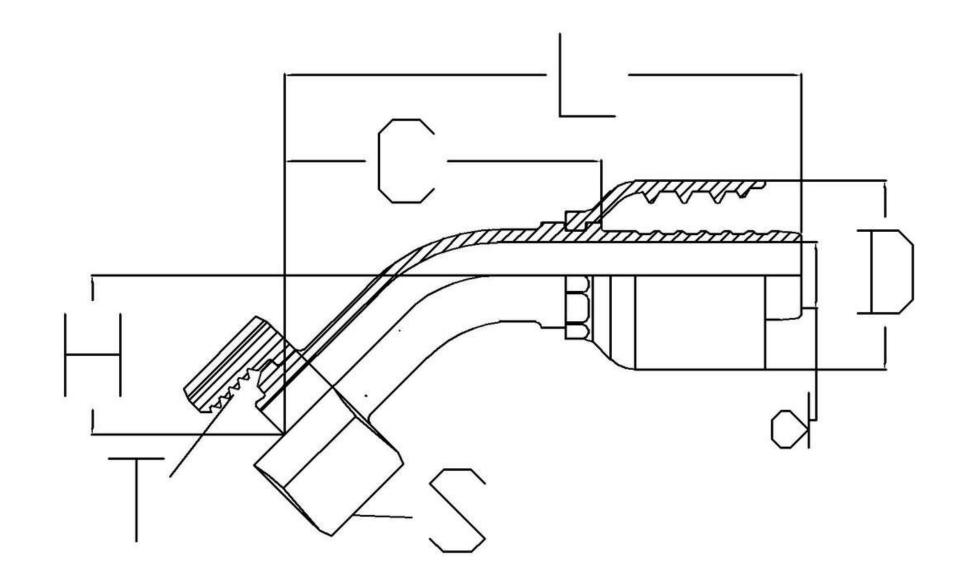
Cone - 60°

O- Ring - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, TEFLON*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	Н
HW-0404-FB-45-13	4	1/4	1/4-19BSP	19	54	24	4	23	13
HW-0404-FBO-45-15	4	1/4	1/4-19BSP	19	59	30	4	23	15
HW-0606-FB-45-17	6	3/8	3/8-19BSP	22	63	34	7	27	17
HW-0606-FBO-45-13	6	3/8	3/8-19BSP	22	67	39	7	27	13
HW-0808-FB-45-23	8	1/2	1/2-14BSP	27	69	40	10	30	23
HW-0808-FBO-45-27	8	1/2	1/2-14BSP	27	84	57	9	30	27
HW-1012-FBO-45-36	10	5/8	3/4-14BSP	32	109	75	13	32	36
HW-1212-FBO-45-37	12	3/4	3/4-14BSP	32	125	81	14	40	37
HW-1616-FBO-45-44	16	1	1-11BSP	41	137	92	19	50	44
HW-2020-FB-45-45-SKIVE	20	1 -1/4	1.1/4-11BSP	50	163	108	25	54	45
HW-2424-FB-45-49-SKIVE	24	1 -1/2	1.1/2-11BSP	55	187	131	32	60	49
HW-3232-FB-45-62-SKIVE	32	2	2-11BSP	70	217	156	44	73	62

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

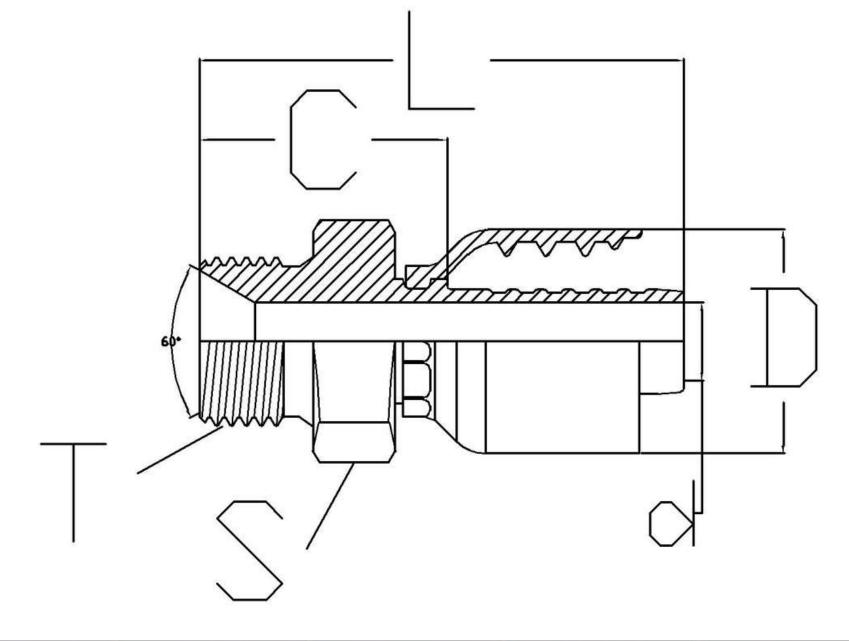
BSP Male straight / 90 degree bend

Standard - ISO 8434-6

Cone - 60°

Used for hose type -

SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	5	L	C	d	D
HW-0404-MB	4	1/4	1/4-19BSP	19	55	26	4	23
HW-0406-MB	4	1/4	3/8-19BSP	22	58	28	4	23
HW-0606-MB	6	3/8	3/8-19BSP	22	55	26	7	27
HW-0806-MB	8	1/2	3/8-19BSP	22	55	20	9	30
HW-0808-MB	8	1/2	1/2-14BSP	27	58	30	9	30
HW-0808-MB-BULKHEAD	8	1/2	1/2-14BSP	27	73	44	10	30
HW-1010-MB-BULKHEAD	10	5/8	5/8-14BSP	30	81	48	13	32
HW-1212-MB	12	3/4	3/4-14BSP	32	75	32	14	40
HW-1216-MB	12	3/4	1-11BSP	41	82	38	14	40
HW-1616-MB	16	1	1-11BSP	38	80	36	20	50
HW-2020-MB	20	1 - 1/4	1.1/4-11BSP	50	120	49	29	60
HW-3232-MB-SKIVE	32	2	2-11BSP	70	112	52	42	73
HW-0808-MB-90-74	8	1 - 1/2	1/2-14BSP	27	72	45	9	30

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

Wire Braid Fittings

Standard - ISO 8434-6

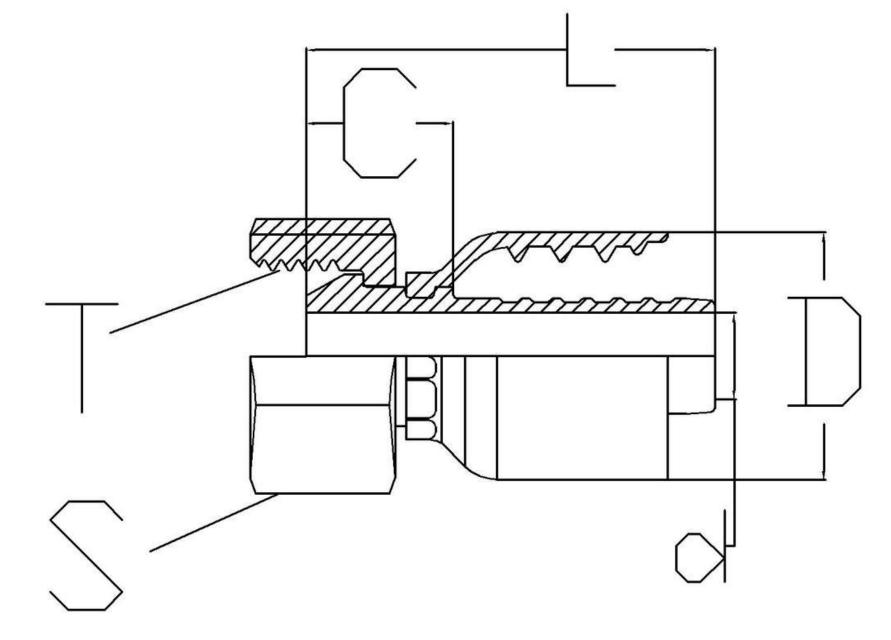
Cone - 60°

O- Ring - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, TEFLON*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-2020-FB-SKIVE	20	1 - 1/4	1.1/4-11BSP	50	85	29	25	54
HW-2424-FB-SKIVE	24	1 - 1/2	1.1/2-11BSP	55	85	30	32	60
HW-3232-FB-SKIVE	32	2	2-11BSP	70	94	33	42	73
HW-4040-FB-SKIVE	40	2 - 1/2	2.1/2-11BSP	85	96	31	57	86
HW-4848-FB-SKIVE	48	3	3-11BSP	94	103	32	68	100

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

BSP Female 90 degree bend Skive type

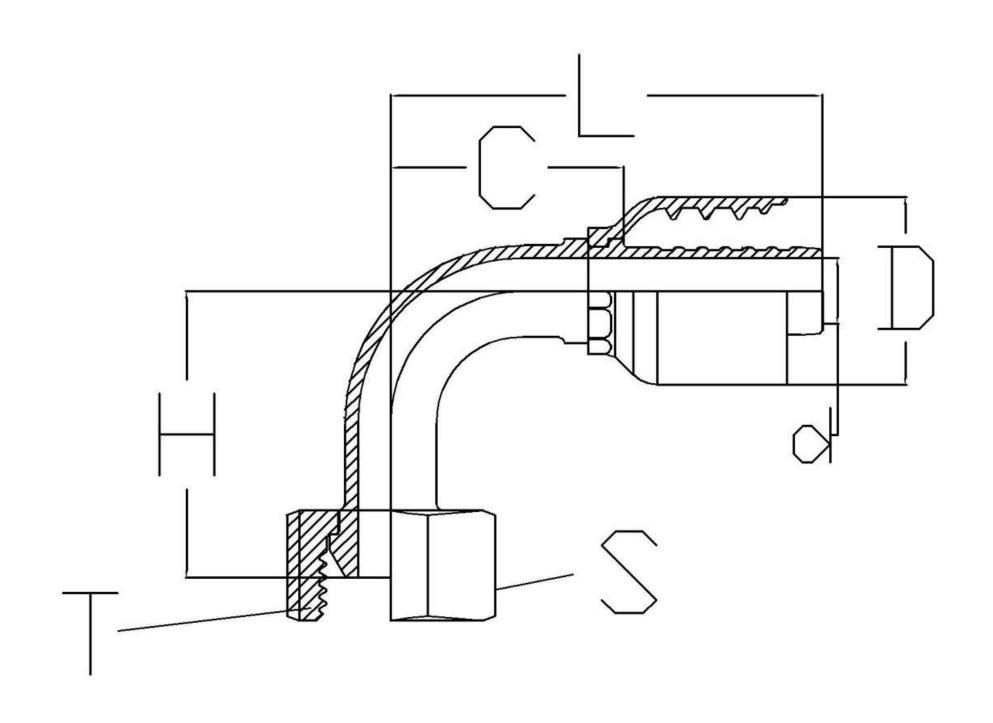
Standard - ISO 8434-6

Cone - 60°

O- Ring - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HW-2424-FB-90-100-SKIVE	24	1 - 1/2	1.1/2-11BSP	55	185	118	29	60	100
HW-3232-FB-90-130-SKIVE	32	2	2-11BSP	70	205	145	42	73	130
HW-4040-FB-90-96-SKIVE	40	2 - 1/2	2.1/2-11BSP	85	175	104	57	86	96
HW-4848-FB-90-100-SKIVE	48	3	3-11BSP	95	200	110	68	96	100

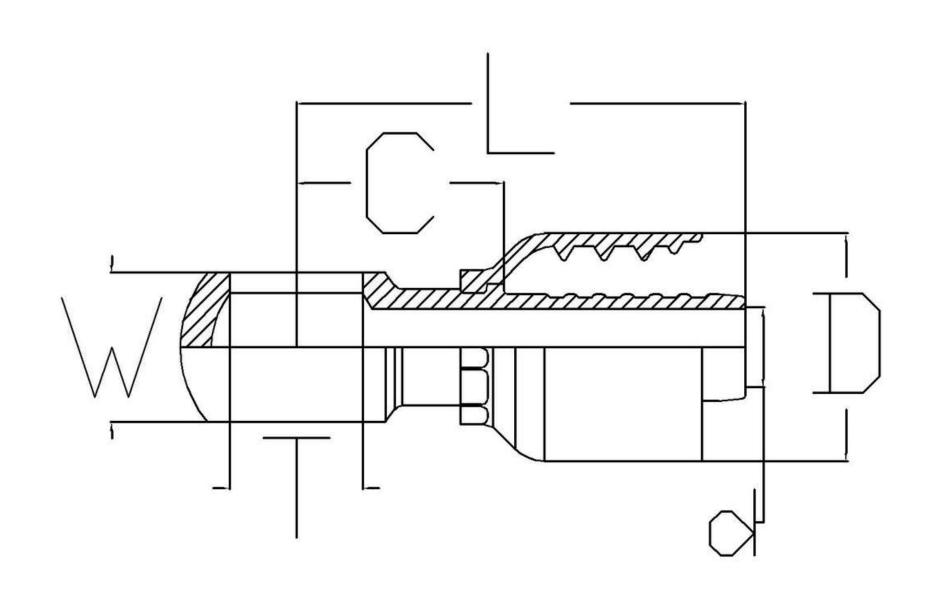
^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

Standard - DIN-7642
Used for hose type SAE 100 R1, R2, R16, R17,
R19, R7*, R6*, R4*, TEFLON*



DESCRIPTION	Compatible	Compatible								
	METRIC Bolt	BSP Bolt	HOSE ID (DASH)	HOSE ID (inch)	TYPE	L .	C	d	D	W
HW-0410-BJ	M10	1/8"	4	1/4	10 mm ID	52	24	4	23	10
HW-0412-BJ	M12		4	1/4	12 mm ID	55	25	4	23	12
HW-0412-BJO-W16	M12		4	1/4	12 mm ID	55	25	4	23	16
HW-0412-BJO-W20	M12		4	1/4	12 mm ID	55	25	4	23	20
HW-0412-BJO-W25	M12		4	1/4	12 mm ID	55	25	4	23	25
HW-0414-BJ	M14	1/4"	4	1/4	14 mm ID	58	40	4	23	14
HW-0416-BJO-W15	M16		4	1/4	16 mm ID	74	46	4	23	15
HW-0416-BJO-W21	M16		4	1/4	16 mm ID	74	46	4	23	21
HW-0512-BJ	M12		5	5/16	12 mm ID	58	28	5	25	12
HW-0514-BJ	M14	1/4"	5	5/16	14 mm ID	58	29	5	25	13,8
HW-0614-BJ	M14	1/4"	6	3/8	14 mm ID	58	29	7	27	14
HW-0616-BJ	M16		6	3/8	16 mm ID	63	35	7	27	15.9
HW-0618-BJ	M18	3/8"	6	3/8	18 mm ID	70	41	7	27	19.9
HW-0622-BJ	M21	1/2"	6	3/8	22 mm ID	72	45	7	27	25
HW-0816-BJ	M16		8	1/2	16 mm ID	59	31	9	30	16
HW-0818-BJ	M18	3/8"	8	1/2	18 mm ID	63	34	10	30	19.9
HW-0822-BJ	M22	1/2"	8	1/2	22 mm ID	65	34	9	30	25
HW-1227-BJ	M27	3/4"	12	3/4	27 mm ID	77	33	14	40	30
HW-1233-BJ	M33	1"	12	3/4	33 mm ID	90	47	14	40	33

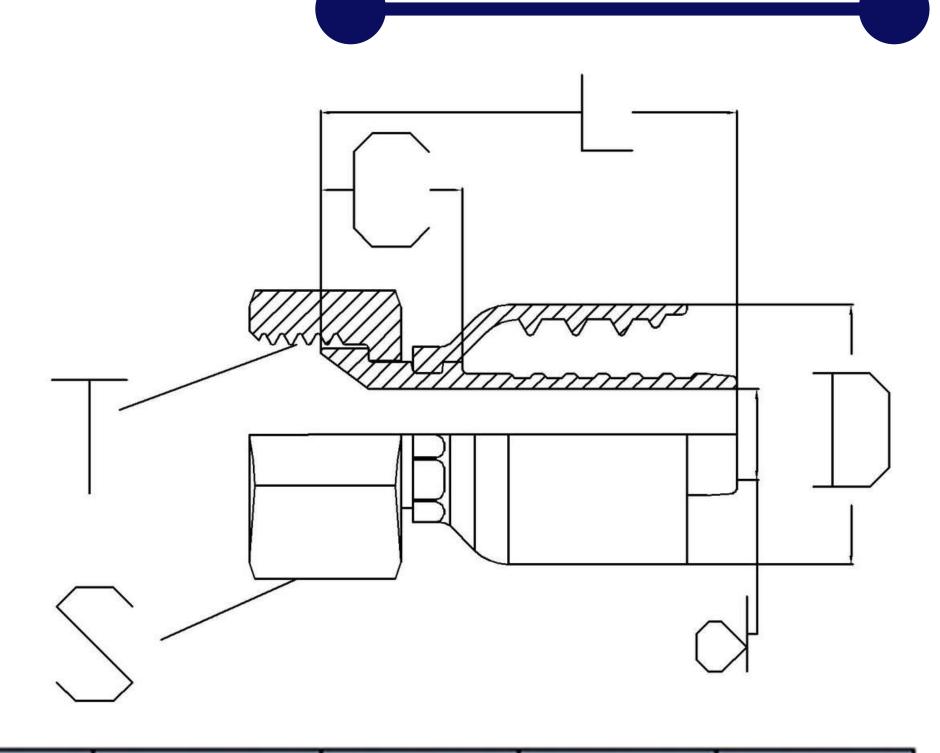
^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



JIC Female Straight

Standard - ISO-8434-2
Cone - 37°
Used for hose type SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, TEFLON*



Wire Braid Fittings

DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0404-FJ	4	1/4	7/16-20UN	17	43	14	4	23
HW-0405-FJ	4	1/4	1/2-20UN	17	46	17	4	23
HW-0406-FJ	4	1/4	9/16-18UN	19	46	17	4	23
HW-0505-FJ	5	5/16	1/2-20UN	17	46	17	5	25
HW-0506-FJ	5	5/16	9/16-18UN	19	47	18	5	25
HW-0606-FJ	6	3/8	9/16-18UN	19	46	17	6	27
HW-0607-FJ	6	3/8	5/8-18UN	22	46	17	7	27
HW-0608-FJ	6	3/8	3/4-16UN	24	46	17	6	27
HW-0808-FJ	8	1/2	3/4-16UN	24	45	17	9	30
HW-0810-FJ	8	1/2	7/8-14UN	27	45	16	9	30
HW-1010-FJ	10	5/8	7/8-14UN	27	51	18	12	32
HW-1012-FJ	10	5/8	1.1/16-12UN	32	53	20	12	32
HW-1212-FJ	12	3/4	1.1/16-12UN	32	62	18	14	40
HW-1216-FJ	12	3/4	1.5/16-12UN	41	64	21	14	40
HW-1616-FJ	16	1	1.5/16-12UN	41	66	22	20	50
HW-1620-FJ	16	1	1.5/8-12UN	50	69	25	20	50
HW-2020-FJ	20	1 - 1/4	1.5/8-12UN	50	118	48	26	61
HW-2024-FJ	20	1 - 1/4	1.7/8-12UN	60	119	48	26	60
HW-2424-FJ	24	1 - 1/2	1.7/8-12UN	60	84	28	31	68
HW-2432-FJ	24	1 - 1/2	2.1/2-12UN	75	112	49	32	72
HW-3232-FJ	32	2	2.1/2-12UN	75	93	32	44	73

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

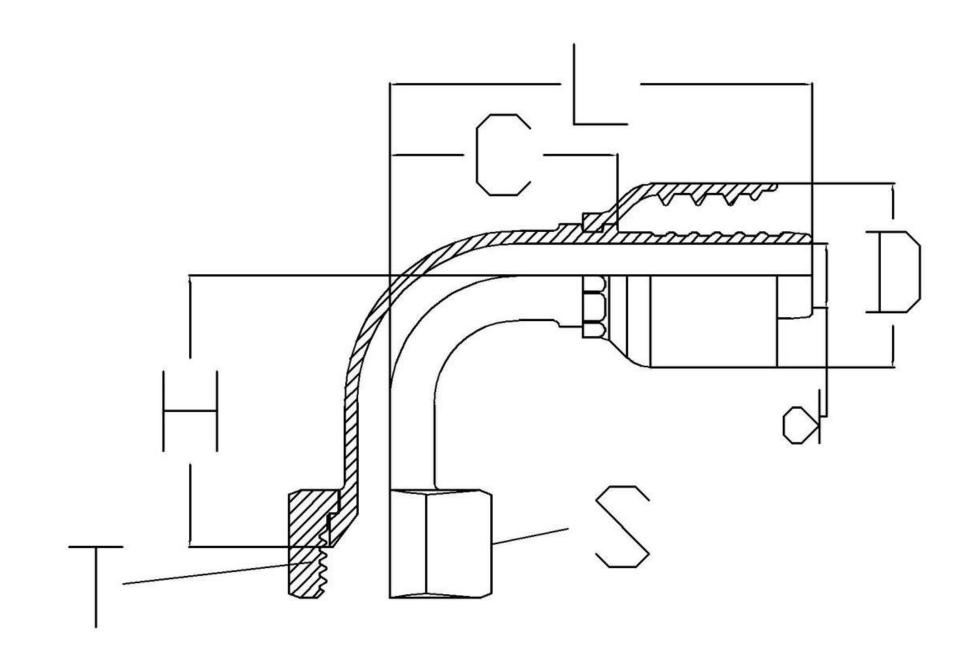


Standard - ISO-8434-2

Cone - 37°

Used for hose type -

SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HW-0404-FJ-90-21	4	1/4	7/16-20UN	17	54	23	4	23	21
HW-0405-FJ-90-25	4	1/4	1/2-20UN	17	56	25	4	23	25
HW-0406-FJ-90-28	4	1/4	9/16-18UN	19	61	32	4	23	28
HW-0505-FJ-90-25	5	5/16	1/2-20UN	17	51	23	5	25	25
HW-0506-FJ-90-33	5	5/16	9/16-18UN	19	59	30	5	25	33
HW-0606-FJ-90-28	6	3/8	9/16-18UN	19	67	37	7	27	28
HW-0606-FJ-90-52	6	3/8	9/16-18UN	19	67	37	7	27	52
HW-0607-FJ-90-28	6	3/8	5/8-18UN	22	64	35	6	27	28
HW-0608-FJ-90-29	6	3/8	3/4-16UN	24	63	34	7	27	29
HW-0808-FJ-90-37	8	1/2	3/4-16UN	24	69	40	9	30	37
HW-0810-FJ-90-39	8	1/2	7/8-14UN	27	71	43	9	30	39
HW-1010-FJ-90-50	10	5/8	7/8-14UN	27	84	53	13	32	50
HW-1012-FJ-90-51	10	5/8	1.1/16-12UN	32	88	55	12	32	51
HW-1212-FJ-90-54	12	3/4	1.1/16-12UN	32	103	60	14	40	54
HW-1216-FJ-90-66	12	3/4	1.5/16-12UN	41	115	73	15	40	66
HW-1616-FJ-90-62	16	1	1.5/16-12UN	41	117	72	20	50	62
HW-1620-FJ-90-67	16	1	1.5/8-12UN	50	114	72	20	50	67
HW-1816-FJ-90-90	18	1 - 1/8	1.5/16-12UN	41	110	65	20	44	90
HW-2020-FJ-90-90	20	1 - 1/4	1.5/8-12UN	50	190	118	23	61	90
HW-2024-FJ-90-90	20	1 - 1/4	1.7/8-12UN	60	161	103	27	54	90
HW-2424-FJ-90-100	24	1 - 1/2	1.7/8-12UN	60	185	118	29	68	100
HW-2432-FJ-90-115	24	1 - 1/2	2.1/2-12UN	70	170	112	32	60	115
HW-3232-FJ-90-130	32	2	2.1/2-12UN	70	205	145	42	73	130

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



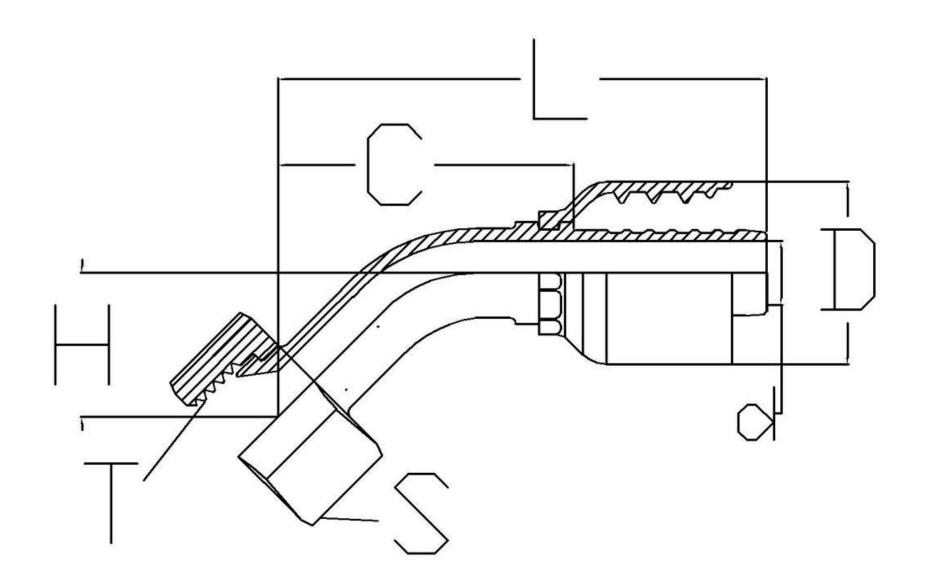
JIC Female 45 degree bend

Standard - ISO-8434-2

Cone - 37°

Used for hose type -

SAE 100 R1, R2, R16, R17,



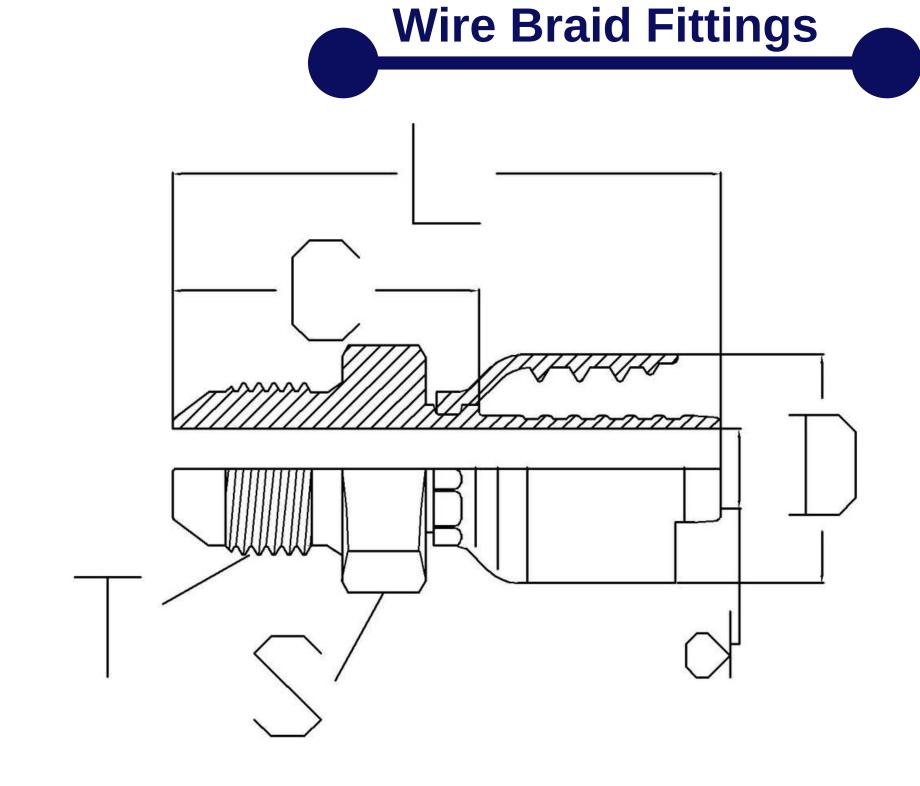
DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HW-0404-FJ-45-12	4	1/4	7/16-20UN	17	58	29	4	23	12
HW-0405-FJ-45-13	4	1/4	1/2-20UN	17	59	30	4	23	13
HW-0406-FJ-45-13	4	1/4	9/16-18UN	19	67	38	4	23	13
HW-0505-FJ-45-13	5	5/16	1/2-20UN	17	62	33	5	25	13
HW-0506-FJ-45-16	5	5/16	9/16-18UN	19	67	38	5	25	16
HW-0606-FJ-45-16	6	3/8	9/16-18UN	19	68	39	7	27	16
HW-0607-FJ-45-16	6	3/8	5/8-18UN	22	68	39	7	27	16
HW-0608-FJ-45-16	6	3/8	3/4-16UN	24	68	39	7	27	16
HW-0808-FJ-45-18	8	1/2	3/4-16UN	24	75	46	10	30	18
HW-0810-FJ-45-20	8	1/2	7/8-14UN	27	77	48	10	30	20
HW-1010-FJ-45-24	10	5/8	7/8-14UN	37	90	57	13	32	24
HW-1012-FJ-45-24	10	5/8	1.1/16-12UN	32	90	57	13	32	24
HW-1212-FJ-45-30	12	3/4	1.1/16-12UN	32	96	52	14	40	30
HW-1216-FJ-45-30	12	3/4	1.5/16-12UN	41	114	71	14	40	30
HW-1616-FJ-45-30	16	1	1.5/16-12UN	41	122	78	21	50	30
HW-1620-FJ-45-36	16	1	1.5/8-12UN	50	127	83	21	50	36
HW-2020-FJ-45-44	20	1 - 1/4	1.5/8-12UN	50	163	107	25	54	44
HW-2024-FJ-45-45	20	1 - 1/4	1.7/8-12UN	60	164	96	25	54	45
HW-2424-FJ-45-54	24	1 - 1/2	1.7/8-12UN	60	191	135	54	60	54
HW-2432-FJ-45-56	24	1 - 1/2	2.1/2-12UN	75	195	139	57	60	56
HW-3232-FJ-45-62	32	2	2.1/2-12UN	75	216	156	59	73	62
HW-2432-FJ-90-115	24	1 - 1/2	2.1/2-12UN	70	170	112	32	60	115
HW-3232-FJ-90-130	32	2	2.1/2-12UN	70	205	145	42	73	130

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



JIC Male straight

Standard - ISO-8434-2
Cone - 37°
Used for hose type SAE 100 R1, R2, R16, R17,
R19, R7*, R6*, R4*, TEFLON*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S		U	d	D
HW-0404-MJ	4	1/4	7/16-20UN	17	59	29	4	23
HW-0406-MJ	4	1/4	9/16-18UN	17	57	27	7	23
HW-0606-MJ	6	3/8	9/16-18UN	16	57	31	7	27
HW-0606-MJ-BULKHEAD	6	3/8	9/16-18UN	16	75	46	6	27
HW-0608-MJ	6	3/8	3/4-16UN	22	64	35	7	25
HW-0808-MJ	8	1/2	3/4-16UN	22	64	35	9	30
HW-0810-MJ	8	1/2	7/8-14UN	24	64	35	9	30
HW-1010-MJ	10	5/8	7/8-14UN	24	69	36	12	32
HW-1212-MJ	12	3/4	1.1/16-12UN	32	82	38	14	40
HW-1616-MJ	16	1	1.5/16-12UN	38	84	40	21	50

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

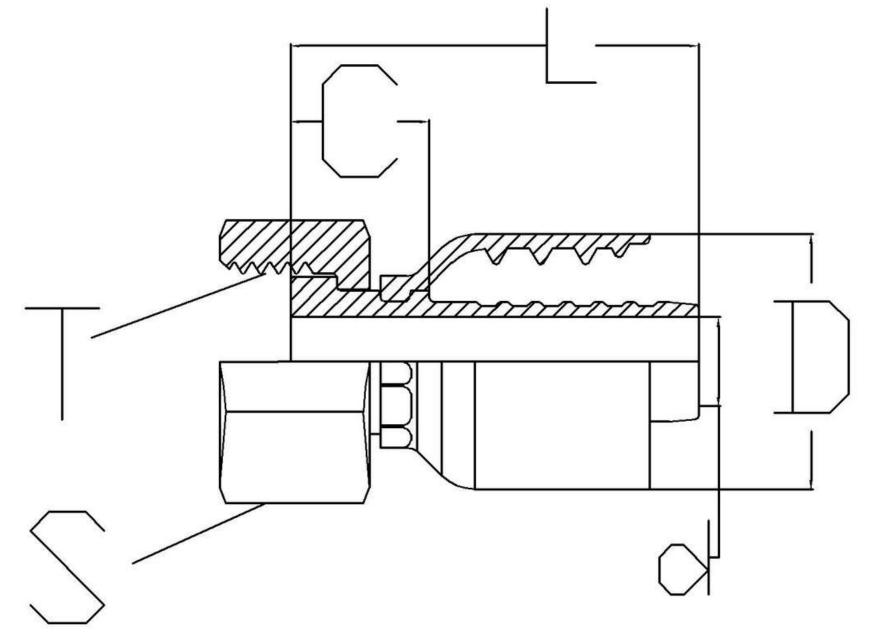


ORFS Female Straight

Standard - ISO 8434-3

Cone - Flat face

Used for hose type
SAE 100 R1, R2, R16, R17,
R19, R7*, R6*, R4*, TEFLON*

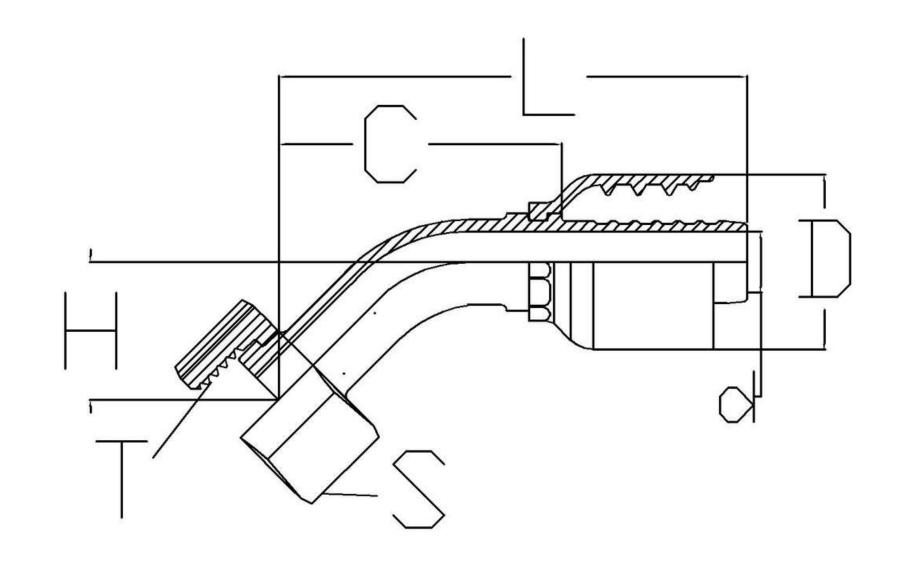


DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0404-FO	4	1/4	9/16-18UN	17	43	14	4	23
HW-0406-FO	4	1/4	11/16-16UN	22	44	15	4	23
HW-0604-FO	6	3/8	9/16-18UN	17	42	13	7	27
HW-0606-FO	6	3/8	11/16-16UN	22	43	15	7	27
HW-0608-FO	6	3/8	13/16-16UN	24	44	15	7	27
HW-0808-FO	8	1/2	13/16-16UN	24	45	16	9	30
HW-0810-FO	8	1/2	1-14UN	30	50	21	9	30
HW-1010-FO	10	5/8	1-14UN	30	51	18	13	32
HW-1012-FO	10	5/8	1.3/16 12UN	36	59	26	13	32
HW-1212-FO	12	3/4	1.3/16 12UN	36	75	32	15	40
HW-1216-FO	12	3/4	1.7/16 12UN	41	78	34	15	40
HW-1616-FO	16	1	1.7/16 12UN	41	80	37	20	50
HW-1620-FO	16	1	1.11/16 12UN	50	81	37	20	50
HW-2020-FO	20	1 - 1/4	1.11/16 12UN	50	128	57	30	60
HW-2424-FO	24	1 - 1/2	2-12UN	60	116	43	32	68

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

ORFS Female 45 degree bend

Standard - ISO 8434-3
Cone - Flat face
Used for hose type SAE 100 R1, R2, R16, R17,
R19, R7*, R6*, R4*, TEFLON*



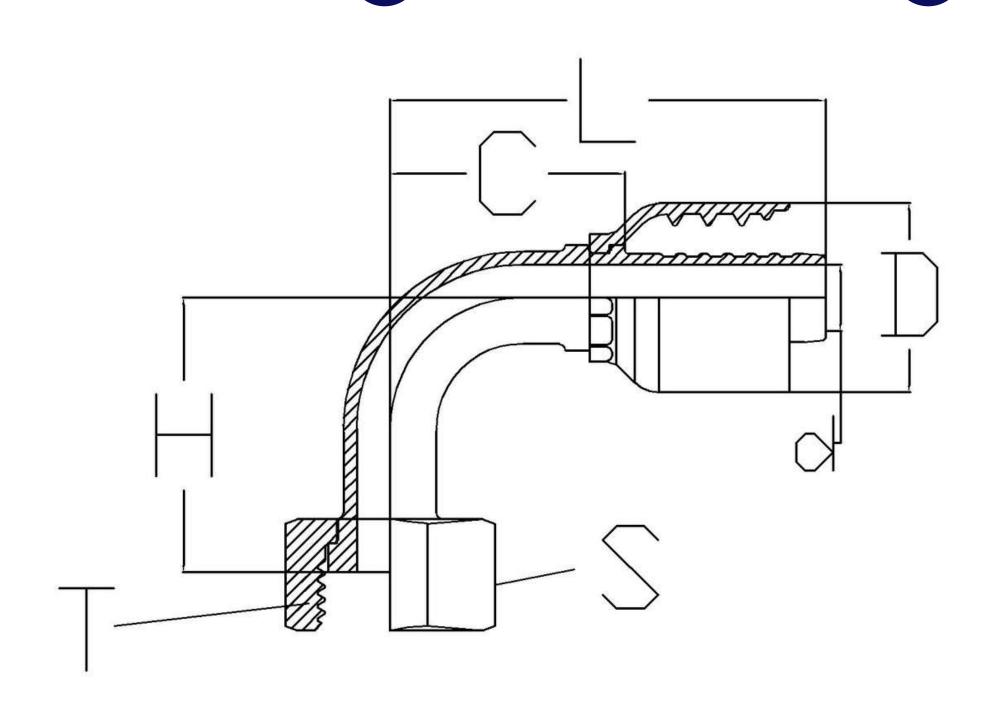
DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HW-0404-FO-45-14	4	1/4	9/16-18UN	17	60	32	4	23	14
HW-0606-FO-45-17	6	3/8	11/16-16UN	22	58	29	7	27	17
HW-0808-FO-45-23	8	1/2	13/16-16UN	24	69	40	9	30	23
HW-1010-FO-45-23	10	5/8	1-14UN	30	91	58	13	32	23
HW-1212-FO-45-31	12	3/4	1.3/16 12UN	36	99	55	14	40	31
HW-1616-FO-45-39	16	1	1.7/16 12UN	41	119	76	20	50	39
HW-2020-FO-45-42	20	1 - 1/4	1.11/16 12UN	50	195	140	27	60	42

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



ORFS Female 90 degree bend

Standard - ISO 8434-3
Cone - Flat face
Used for hose type SAE 100 R1, R2, R16, R17,
R19, R7*, R6*, R4*, TEFLON*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	- H -
HW-0404-FO-90-23	4	1/4	9/16-18UN	17	55	25	4	23	23
HW-0404-FO-90-32	4	1/4	9/16-18UN	17	55	25	4	23	32
HW-0406-FO-90-29	4	1/4	11/16-16UN	22	55	26	4	23	29
HW-0604-FO-90-30	6	3/8	9/16-18UN	17	61	33	7	27	30
HW-0606-FO-90-29	6	3/8	11/16-16UN	22	61	32	6	27	29
HW-0606-FO-90-70	6	3/8	11/16-16UN	22	61	32	6	27	70
HW-0608-FO-90-30	6	3/8	13/16-16UN	24	61	32	7	27	30
HW-0808-FO-90-38	8	1/2	13/16-16UN	24	68	41	9	30	38
HW-0808-FO-90-71	8	1/2	13/16-16UN	24	74	44	9	30	71
HW-0810-FO-90-38	8	1/2	1-14UN	30	71	41	9	30	38
HW-0810-FO-90-70	8	1/2	1-14UN	30	71	41	9	30	70
HW-1010-FO-90-47	10	5/8	1-14UN	30	85	52	13	32	47
HW-1010-FO-90-52	10	5/8	1-14UN	30	85	52	13	32	52
HW-1010-FO-90-65	10	5/8	1-14UN	30	85	52	13	32	65
HW-1012-FO-90-54	10	5/8	1.3/16 12UN	36	82	50	13	32	54
HW-1212-FO-90-58	12	3/4	1.3/16 12UN	36	105	62	14	40	58
HW-1212-FO-90-100	12	3/4	1.3/16 12UN	36	105	62	14	40	100
HW-1212-FO-90-48	12	3/4	1.3/16 12UN	36	102	59	15	40	48
HW-1216-FO-90-57	12	3/4	1.7/16 12UN	41	105	61	14	40	57
HW-1616-FO-90-58	16	1	1.7/16 12UN	41	115	69/75	21	50	58
HW-1616-FO-90-90	16	1	1.7/16 12UN	41	115	69/75	21	50	90
HW-1616-FO-90-120	16	1	1.7/16 12UN	41	115	69/75	21	50	120
HW-1620-FO-90-72	16	1	1.11/16 12UN	50	118	74	21	50	72
HW-2020-FO-90-85	20	1 - 1/4	1.11/16 12UN		175	115	23	60	85
HW-2424-FO-90-110	24	1 - 1/2	2-12UN	60	210	43	28	68	110

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



Wire Braid Fittings

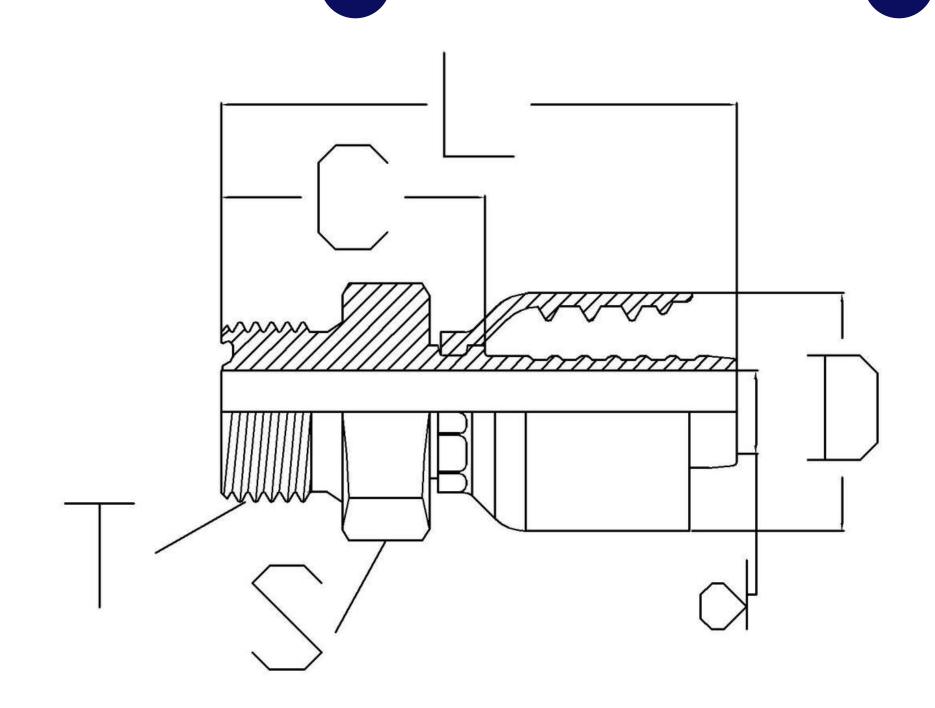
Standard - ISO 8434-3

Cone - Flat face

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, TEFLON*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0404-MO	4	1/4	9/16-18UN	17	54	26	4	23
HW-0606-MO	6	3/8	11/16-16UN	19	56	27	5	27
HW-0608-MO	8	1/2	13/16-16UN	22	58	29	7	27
HW-0808-MO	8	1/2	13/16-16UN	22	59	28	10	30
HW-0810-MO	8	1/2	1-14UN	27	64	35	10	30
HW-0812-MO	8	1/2	1.3/16 12UN	32	64	34	10	30
HW-1012-MO	10	5/8	1.3/16 12UN	32	69	36	12	32
HW-1212-MO	12	3/4	1.3/16 12UN	32	77	32	14	40
HW-1616-MO	16	1	1.7/16 12UN	38	81	37	21	50

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

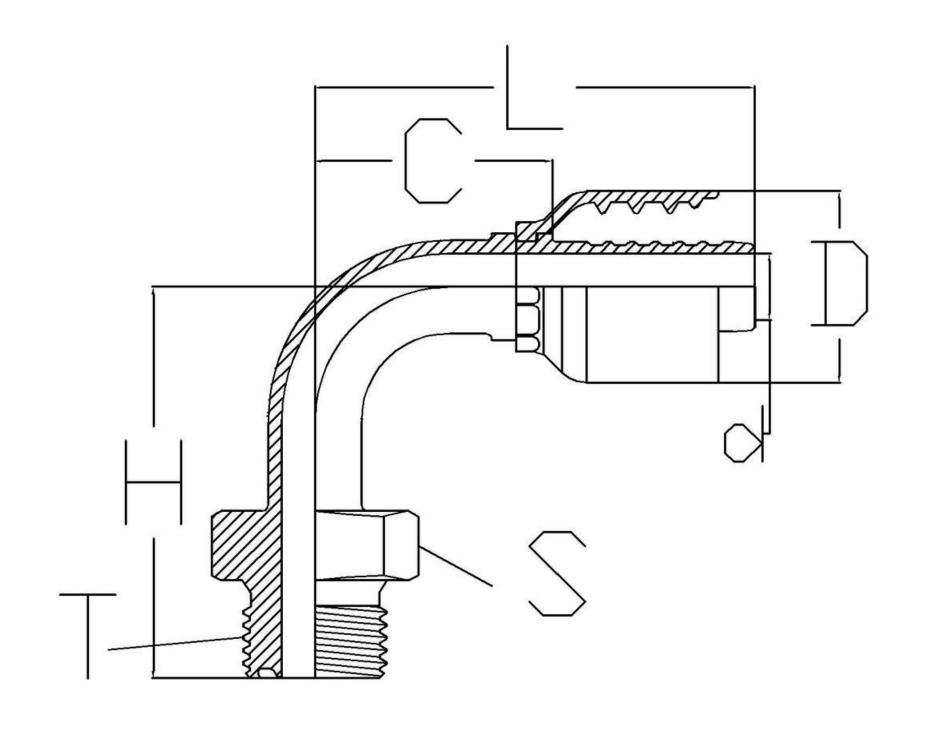
ORFS Male 90 degree bend

Standard - ISO 8434-3

Cone - Flat face

Used for hose type -

SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HW-0606-MO-90-45	6	3/8	11/16-16UN	19	60	30	7	27	45
HW-0606-MO-90-100	6	3/8	11/16-16UN	19	60	30	7	27	100
HW-0810-MO-90-109	8	1/2	1-14UN	27	69	38	9	30	109
HW-1012-MO-90-121-WELDING	10	5/8	1.3/16 12UN	36	85	51	13	32	121

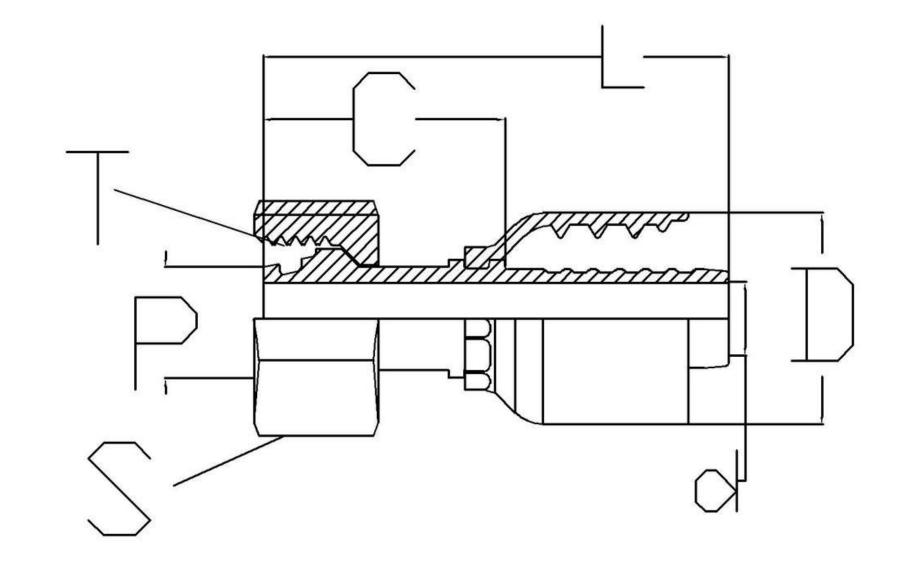
^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



METRIC Female Straight with O-Ring

Din Metric 24° Cone Female Straight
Standard - Din EN ISO 8434-1
O-ring - NBR
Light series - FDLO
Heavy series - FDHO

Used for hose type -SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Pipe OD (P)	Thread (T)	S	L	С	d	D
HW-0406-FDH	4	1/4	06H	14X1.5	17	55	26	4	23
HW-0406-FDL	4	1/4	06L	12X1.5	14	55	26	4	23
HW-0408-FDHO	4	1/4	08H	16X1.5	19	55	26	4	23
HW-0408-FDLO	4	1/4	08L	14X1.5	17	55	26	4	23
HW-0410-FDHO	4	1/4	10H	18X1.5	22	55	26	4	23
HW-0410-FDLO	4	1/4	10L	16X1.5	19	55	26	4	23
HW-0412-FDHO	4	1/4	12H	20X1.5	24	53	24	4	23
HW-0412-FDLO	4	1/4	12L	18X1.5	22	52	23	4	23
HW-0508-FDHO	5	5/16	08H	16X1.5	19	55	26	5	25
HW-0508-FDLO	4	1/4	08L	14X1.5	17	54	26	5	25
HW-0510-FDHO	5	5/16	10H	18X1.5	22	55	26	5	25
HW-0510-FDLO	5	5/16	10L	16X1.5	19	55	26	5	25
HW-0512-FDHO	5	5/16	12H	20X1.5	24	58	29	5	25
HW-0512-FDLO	5	5/16	12L	18X1.5	22	58	29	5	25
HW-0610-FDHO	6	3/8	10H	18X1.5	22	56	27	7	27
HW-0610-FDLO	6	3/8	10L	16X1.5	19	57	28	7	27
HW-0612-FDHO	6	3/8	12H	20X1.5	24	53	24	7	27
HW-0612-FDLO	6	3/8	12L	18X1.5	22	53	24	7	27
HW-0614-FDHO	6	3/8	14H	22X1.5	27	56	27	7	27
HW-0615-FDLO	6	3/8	15L	22X1.5	27	56	27	7	27
HW-0616-FDHO	6	3/8	16H	24X1.5	30	61	32	7	26
HW-0812-FDHO	8	1/2	12H	20X1.5	24	54	25	9	30
HW-0812-FDLO	8	1/2	12L	18X1.5	22	55	26	9	30
HW-0814-FDHO	8	1/2	14H	22X1.5	27	57	28	9	30
HW-0815-FDLO	8	1/2	15L	22X1.5	27	56	27	9	30
HW-0816-FDHO	8	1/2	16H	24X1.5	30	60	31	9	30
HW-0818-FDLO	8	1/2	18L	26X1.5	32	58	29	9	30
HW-1016-FDHO	10	5/8	16H	24X1.5	30	61	28	12	32
HW-1018-FDLO	10	5/8	18L	26X1.5	32	61	28	13	32
HW-1020-FDHO	10	5/8	20H	30X2.0	36	64	30	13	32
HW-1022-FDLO	10	5/8	22L	30X2.0	36	65	32	13	32
HW-1218-FDLO	12	3/4	18L	26X1.5	32	70	27	14	40
HW-1220-FDHO	12	3/4	20H	30X2.0	36	76	33	15	40
HW-1222-FDLO	12	3/4	22L	30X2.0	36	75	31	14	40
HW-1225-FDHO	12	3/4	25H	36X2.0	41	85	42	14	40
HW-1230-FDHO	12	3/4	30H	42X2.0	50	88	45	15	40
HW-1625-FDHO	16	1	25H	36X2.0	41	79	36	20	50
HW-1628-FDLO	16	1	28L	36X2.0	41	77	33	20	50
HW-1630-FDHO	16	1	30H	42X2.0	50	87	43	20	50
HW-2030-FDHO	20	1 - 1/4	30H	42X2.0	50	130	71	27	61
HW-2035-FDLO	20	1 - 1/4	35L	45X2.0	50	125	52	27	61
HW-2038-FDHO	20	1 - 1/4	38H	52X2.0	60	135	60	25	61
HW-2442-FDLO	24	1 - 1/2	42L	52X2.0	60	130	59	26	68

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



Wire Braid Fittings

METRIC Female 90 degree bend with O-Ring

Din Metric 24° Cone Female bend 90°

Standard - Din EN ISO 8434-1

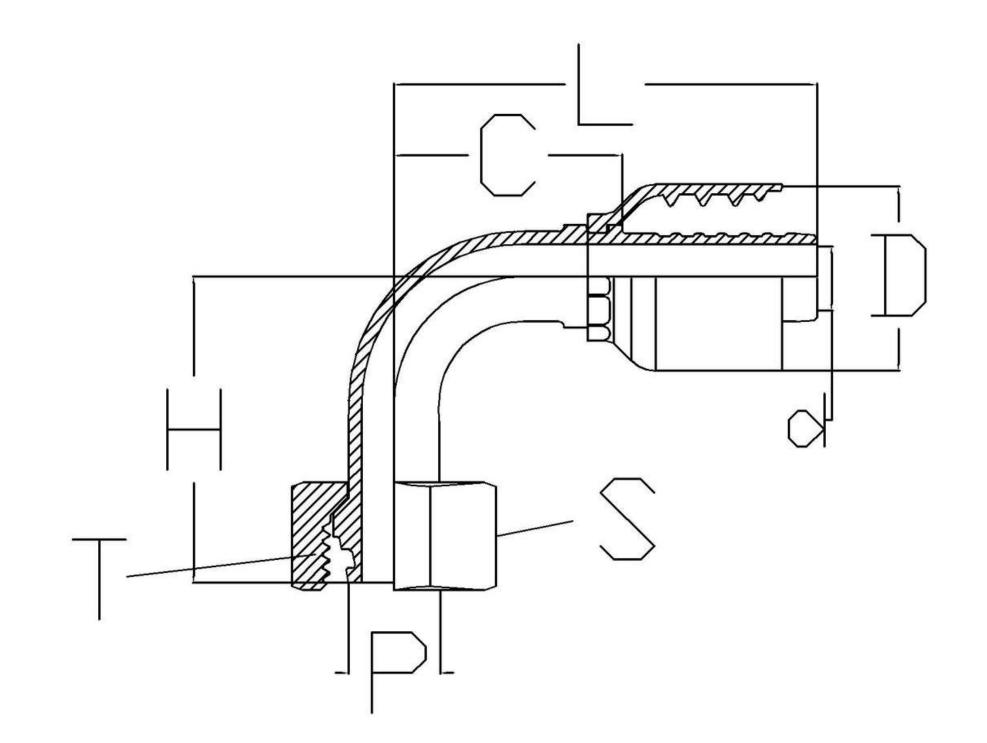
O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -

SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Pipe OD (P)	Thread (T)	S	L	C	d	D	H
HW-0406-FDH-90-31	4	1/4	06H	14X1.5	17	58	29	4	23	31
HW-0406-FDL-90-35	4	1/4	06L	12X1.5	14	59	30	4	23	35
HW-0408-FDHO-90-33	4	1/4	08H	16X1.5	19	57	28	4	23	33
HW-0408-FDLO-90-33	4	1/4	08L	14X1.5	17	59	30	4	23	33
HW-0408-FDLO-90-55	4	1/4	08L	14X1.5	17	59	30	4	23	55
HW-0410-FDHO-90-32	4	1/4	10H	18X1.5	22	57	28	4	23	32
HW-0410-FDLO-90-33	4	1/4	10L	16X1.5	19	58	29	4	23	33
HW-0510-FDHO-90-36	5	5/16	10H	18X1.5	22	60	30	5	25	36
HW-0510-FDLO-90-32	5	5/16	10L	16X1.5	19	61	34	5	25	32
HW-0512-FDHO-90-43	5	5/16	12H	20X1.5	24	71	41	5	25	43
HW-0512-FDLO-90-43	5	5/16	12L	18X1.5	22	69	40	5	25	43
HW-0610-FDHO-90-37	6	3/8	10H	18X1.5	22	64	37	7	27	37
HW-0610-FDLO-90-37	6	3/8	10L	16X1.5	19	64	37	7	27	37
HW-0612-FDHO-90-37	6	3/8	12H	20X1.5	24	62	33	7	27	37
HW-0612-FDLO-90-37	6	3/8	12L	18X1.5	22	63	34	7	27	37
HW-0615-FDLO-90-35	6	3/8	15L	22X1.5	27	61	32	6	27	35
HW-0616-FDHO-90-40	6	3/8	16H	24X1.5	30	61	32	7	27	40
HW-0812-FDHO-90-48	8	1/2	12H	20X1.5	24	72	44	9	30	48
HW-0812-FDLO-90-47	8	1/2	12L	18X1.5	22	73	44	9	30	47
HW-0815-FDLO-90-43	8	1/2	15L	22X1.5	27	75	46	9	30	43
HW-0816-FDHO-90-44	8	1/2	16H	24X1.5	30	75	46	9	30	44
HW-0818-FDLO-90-45	8	1/2	18L	26X1.5	32	74	45	9	30	45
HW-1018-FDLO-90-52	10	5/8	18L	26X1.5	32	85	53	13	32	52
HW-1020-FDHO-90-56	10	5/8	20H	30X2.0	36	85	53	12	32	56
HW-1022-FDLO-90-60	12	3/4	22L	30X2.0	36	86	53	9	32	60
HW-1218-FDLO-90-59	12	3/4	18L	26X1.5	32	100	59	15	40	59
HW-1220-FDHO-90-65	12	3/4	20H	30X2.0	36	105	57	15	40	65
HW-1222-FDLO-90-58	12	3/4	22L	30X2.0	36	107	64	14	40	58
HW-1225-FDHO-90-65	12	3/4	25H	36X2.0	41	101	58	14	40	65
HW-1625-FDHO-90-73	16	1	25H	36X2.0	41	122	79	20	50	73
HW-1628-FDLO-90-73	16	1	28L	36X2.0	41	125	81	21	50	73
HW-1630-FDHO-90-77	16	1	30H	42X2.0	50	116	75	20	50	77
HW-2035-FDLO-90-90	20	1 - 1/4	35L	45X2.0	50	180	110	26	61	90
HW-2038-FDHO-90-85	20	1 - 1/4	38H	52X2.0	60	180	110	23	61	85
HW-2442-FDLO-90-120	24	1 - 1/2	42L	52X2.0	60	200	115	31	68	120

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



Wire Braid Fittings

METRIC Female 45 degree bend with O-Ring

Din Metric 24° Cone Female bend 45°

Standard - Din EN ISO 8434-1

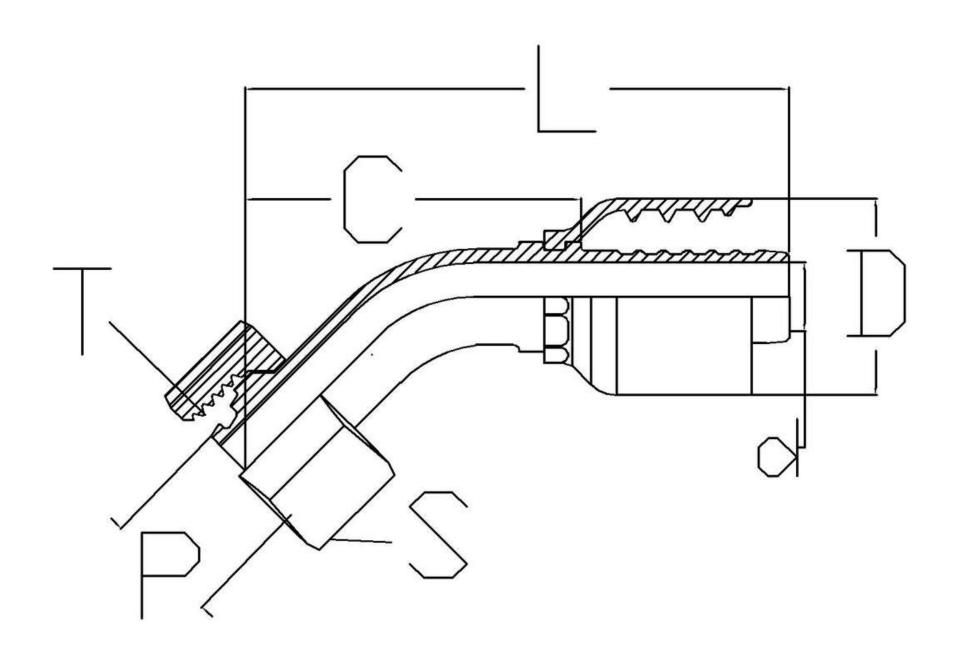
O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -

SAE 100 R1, R2, R16, R17,



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Pipe OD (P)	Thread (T)	\$	L	С	d	D	Н
HW-0406-FDH-45-23	4	1/4	06H	14X1.5	17	67	38	4	23	17
HW-0406-FDL-45-17	4	1/4	06L	12X1.5	14	67	38	4	23	17
HW-0408-FDHO-45-17	4	1/4	08H	16X1.5	19	66	37	4	23	17
HW-0408-FDLO-45-17	4	1/4	08L	14X1.5	17	66	37	4	23	17
HW-0410-FDHO-45-18	4	1/4	10H	18X1.5	22	67	38	4	23	18
HW-0410-FDLO-45-18	4	1/4	10L	16X1.5	19	67	38	4	23	18
HW-0412-FDHO-45-18	4	1/4	12H	20X1.5	24	68	39	4	23	18
HW-0412-FDLO-45-18	4	1/4	12L	18X1.5	22	68	39	4	23	18
HW-0508-FDHO-45-17	5	5/16	08H	16X1.5	19	67	38	4	25	17
HW-0508-FDLO-45-17	5	5/16	08L	14X1.5	17	67	38	4	25	17
HW-0510-FDHO-45-19	5	5/16	10H	18X1.5	22	71	42	5	25	19
HW-0510-FDLO-45-19	5	5/16	10L	16X1.5	19	71	42	5	25	19
HW-0512-FDHO-45-20	5	5/16	12H	20X1.5	24	72	43	5	25	20
HW-0512-FDLO-45-20	5	5/16	12L	18X1.5	22	72	43	5	25	20
HW-0610-FDHO-45-19	6	3/8	10H	18X1.5	22	71	42	7	27	19
HW-0610-FDLO-45-19	6	3/8	10L	16X1.5	19	71	42	7	27	19
HW-0612-FDHO-45-20	6	3/8	12H	20X1.5	24	73	44	7	27	20
HW-0612-FDLO-45-20	6	3/8	12L	18X1.5	22	73	44	7	27	20
HW-0614-FDHO-45-21	6	3/8	14H	22X1.5	27	74	45	7	27	21
HW-0615-FDLO-45-20	6	3/8	15L	22X1.5	27	73	44	7	27	20
HW-0616-FDHO-45-21	6	3/8	16H	24X1.5	30	74	45	7	27	21
HW-0812-FDHO-45-21	8	1/2	12H	20X1.5	24	78	49	9	30	21
HW-0812-FDLO-45-21	8	1/2	12L	18X1.5	22	78	49	9	30	21
HW-0814-FDHO-45-22	8	1/2	14H	22X1.5	27	79	50	9	30	22
HW-0815-FDLO-45-22	8	1/2	15L	22X1.5	27	79	50	9	30	22
HW-0816-FDHO-45-23	8	1/2	16H	24X1.5	30	80	51	9	30	23
HW-0818-FDLO-45-24	8	1/2	18L	26X1.5	32	81	52	9	30	24
HW-1016-FDHO-45-25	10	5/8	16H	24X1.5	30	92	59	13	32	25
HW-1018-FDLO-45-25	10	5/8	18L	26X1.5	32	91	58	13	32	25
HW-1020-FDHO-45-29	10	5/8	20H	30X2.0	36	95	62	13	32	29
HW-1022-FDLO-45-26	10	5/8	22L	30X2.0	36	96	62	13	32	26
HW-1218-FDLO-45-27	12	3/4	18L	26X1.5	32	111	68	14	40	27
HW-1220-FDHO-45-32	12	3/4	20H	30X2.0	36	117	73	14	40	32
HW-1222-FDLO-45-27	12	3/4	22L	30X2.0	36	111	68	14	40	27
HW-1225-FDHO-45-34	12	3/4	25H	36X2.0	41	118	75	14	40	34
HW-1230-FDHO-45-34	12	3/4	30H	42X2.0	50	118	75	14	40	34
HW-1625-FDHO-45-39	16	1	25H	36X2.0	41	131	87	20	50	39
HW-1628-FDLO-45-27	16	1	28L	36X2.0	41	129	86	21	50	27
HW-1630-FDHO-45-27	16	1	30H	42X2.0	50	129	86	21	50	27
HW-2030-FDHO-45-49	20	1 - 1/4	30H	42X2.0	50	183	124	25	61	49
HW-2035-FDLO-45-50	20	1 - 1/4	35L	45X2.0	50	184	124	25	61	50
HW-2038-FDHO-45-50	20	1 - 1/4	38H	52X2.0	60	184	126	25	61	50
HW-2442-FDLO-45-55	24	1 - 1/2	42L	52X2.0	60	226	126	32	68	55

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



METRIC Male Straight

Din Metric 24° Cone Male Straight

Standard - Din EN ISO 8434-1

O-ring - NBR

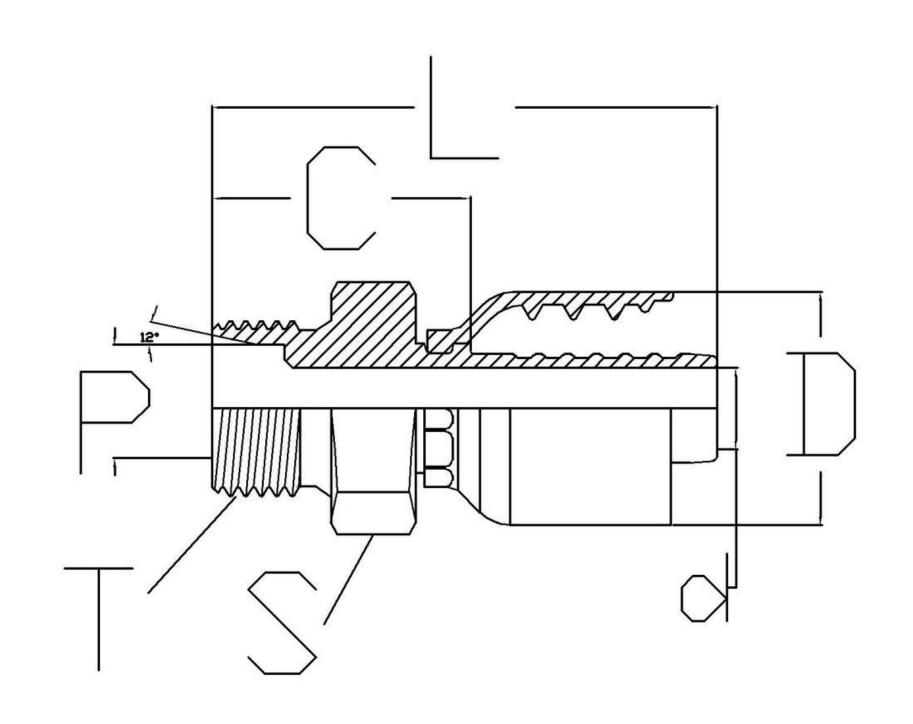
Light series - FDLO

Heavy series - FDHO

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, TEFLON*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Pipe OD (P)	Thread (T)	S	L	С	ď	D
HW-0408-MDL	4	1/4	08L	14X1.5	17	53	24	4	23
HW-0510-MDL	5	5/16	10L	16X1.5	19	58	29	5	25
HW-0610-MDL	6	3/8	10L	16X1.5	19	58	29	7	23
HW-0612-MDH	6	3/8	12H	20X1.5	22	60	31	7	27
HW-0612-MDL	6	3/8	12L	18X1.5	19	55	26	7	27
HW-0815-MDL	8	1/2	15L	22X1.5	24	59	30	9	30
HW-0816-MDH	8	1/2	16H	24X1.5	27	63	34	10	30
HW-0818-MDL	8	1/2	18L	26X1.5	27	61	28	13	30
HW-1220-MDH	12	3/4	20H	30X2.0	32	80	36	15	40
HW-1225-MDH	12	3/4	25H	36X2.0	41	82	38	14	40
HW-1628-MDL	16	1	28L	36X2.0	41	78	35	21	50
HW-0815-BMDL	8	1/2	15L	22X1.5	24	85	56	9	30

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

METRIC Male 90 degree bend

Din Metric 24° Cone Male Bend 90°

Standard - Din EN ISO 8434-1

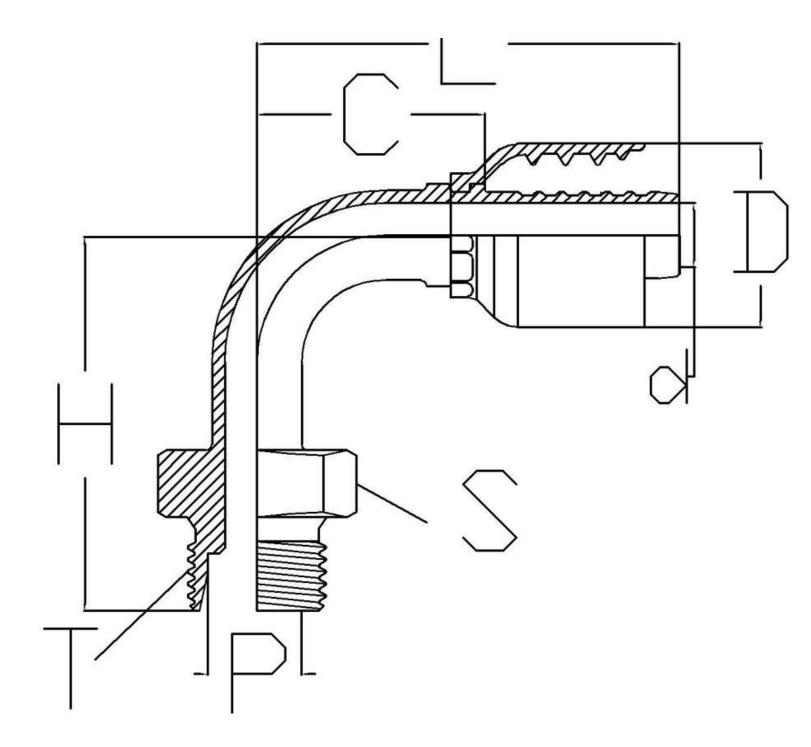
O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -

SAE 100 R1, R2, R16, R17,



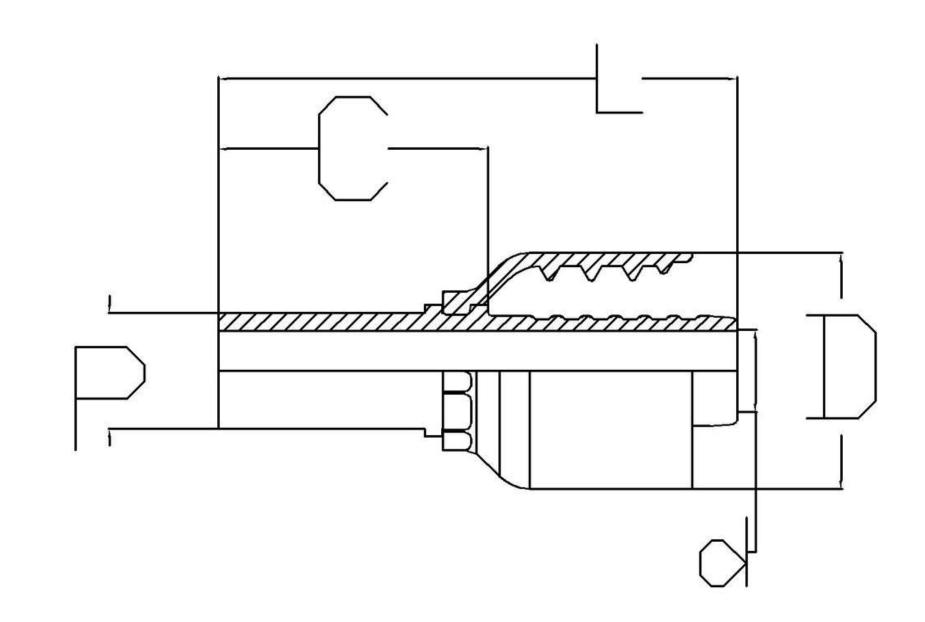
DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Pipe OD (P)	Thread (T)	S	L	С	d	D	Н
HW-0815-MDL-90-45	8	1/2	15L	22X1.5	24	76	47	9	30	45

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



Wire Braid Fittings

Din Metric Stand Pipe Standard - Din EN ISO 8434-1 Used for hose type -SAE 100 R1, R2, R16, R17, R19, R7*, R6*, R4*, TEFLON*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0406-PDL	4	1/4	12X1.5	6	70	41	4	23
HW-0510-PDL	5	5/16	16X1.5	10	59	30	5	25
HW-0612-PDL	6	3/8	18X1.5	12	62	33	7	27
HW-0815-PDL	8	1/2	22X1.5	15	71	42	10	30
HW-1218-PDL	12	3/4	26X1.5	18	77	33	18	40
HW-1222-PDL	12	3/4	30X2.0	22	91	47	15	40

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



Wire Braid Fittings

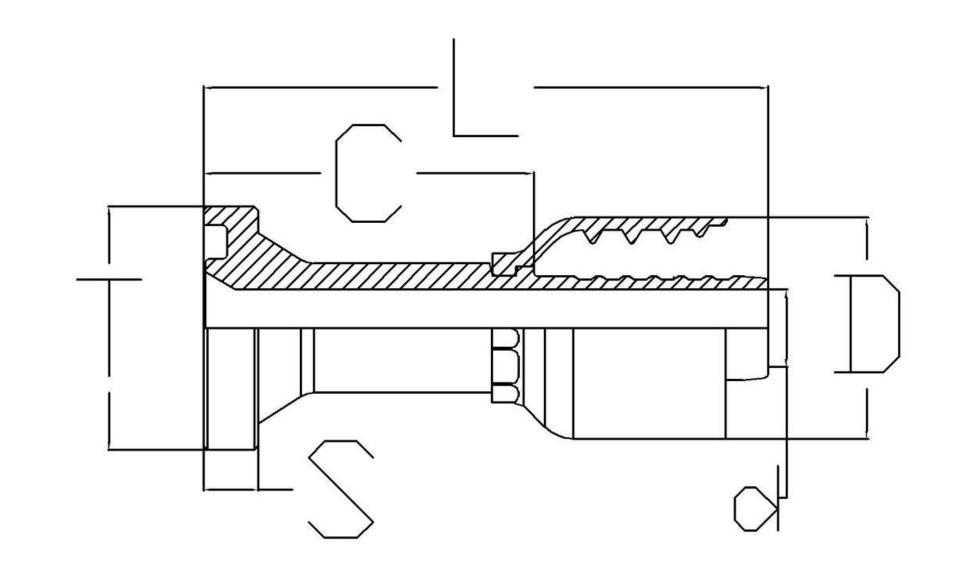
Standard - SAE 6162-1 3000 PSI CODE 61

ORING - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, Teflon*



DESCRIPTION	ATTRIBUTES	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0808-FL3	single pc - non skive	8	1/2	30.2	7	70	41	9	30
HW-1212-FL3	single pc - non skive	12	3/4	38.1	7	99	55	14	40
HW-1216-FL3	single pc - non skive	12	3/4	44.5	8.3	92	48	14	40
HW-1616-FL3	single pc - non skive	16	1	44.5	8.3	95	51	21	50
HW-1620-FL3	single pc - non skive	16	1	50.8	8.3	101	58	21	50
HW-1624-FL3	single pc - non skive	16	1	60.3	8.3	106	63	21	50
HW-2020-FL3-SKIVE	two pc-skive	16	1	50.8	8.3	103	48	25	54
HW-2024-FL3-SKIVE	two pc-skive	20	1 - 1/4	60.3	8.3	150	80	32	54
HW-2420-FL3-SKIVE	two pc-skive	24	1 - 1/2	50.8	8.3	108	52	32	60
HW-2424-FL3-SKIVE	two pc-skive	24	1 - 1/2	60.3	8.3	111	56	32	60
HW-2432-FL3-SKIVE	two pc-skive	24	1 - 1/2	71.4	9.9	175	100	32	60
HW-3232-FL3-SKIVE	two pc-skive	32	2	71.4	9.9	120	59	42	73
HW-4040-FL3-SKIVE	two pc-skive	40	2 - 1/2	84.1	9.7	140	77	56	86
HW-4848-FL3-SKIVE	two pc-skive	48	3	101.6	9.7	150	85	67	100
HW-2016-FL3	non skive	20	1 - 1/4	44.5	8	132	61	26	62
HW-2020-FL3	non skive	20	1 - 1/4	50.8	8	147	75	26	62
HW-2024-FL3	non skive	20	1 - 1/4	60.3	8	150	80	32	62
HW-2424-FL3	non skive	24	1 - 1/2	60.3	8	165	95	33	72
HW-2432-FL3	non skive	24	1 - 1/2	71.4	10	175	100	33	72
HW-3224-FL3	non skive	32	2	60.3	8	170	81	32	85
HW-3232-FL3	non skive	32	2	71.4	10	160	69	43	85
HW-3232-FL3-LONG	non skive	32	2	71.4	10	180	89	43	85
HW-3240-FL3	non skive	32	2	84.1	10	180	88	44	85

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately

Flange Code 61 bend 90 degree

Standard - SAE 6162-1

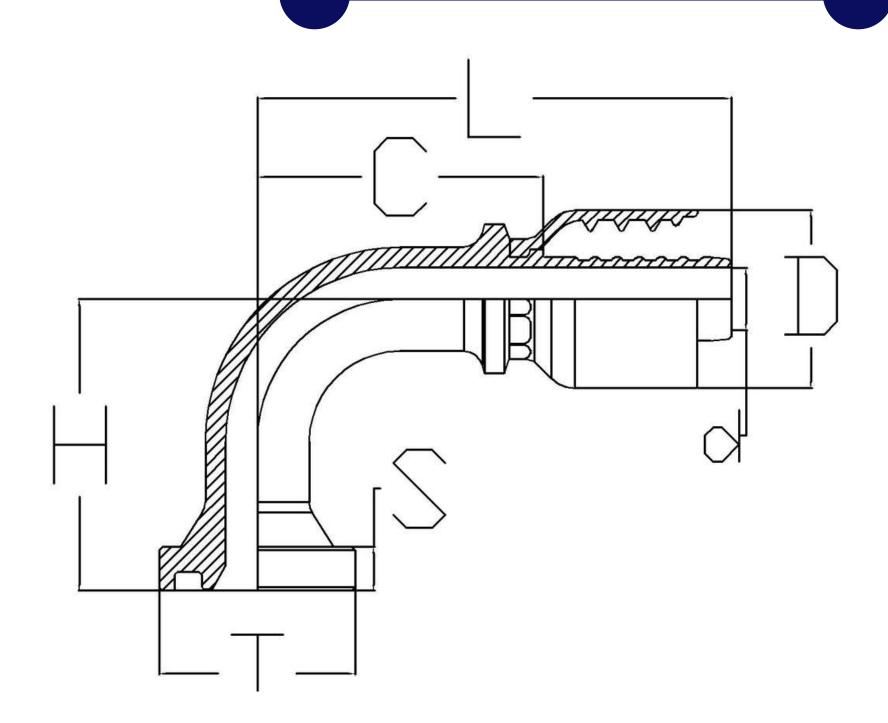
3000 PSI CODE 61

ORING - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, Teflon*



Wire Braid Fittings

DESCRIPTION	ATTRIBUTES	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HW-0808-FL3-90-44	single pc - non skive	8	1/2	30.2	7	90	54	9	30	44
HW-1212-FL3-90-57	single pc - non skive	12	3/4	38.1	7	108	66	15	40	57
HW-1216-FL3-90-70	single pc - non skive	12	3/4	44.5	8.3	113	67	14	40	70
HW-1616-FL3-90-74	single pc - non skive	16	1	44.5	8.3	118	77	20	50	74
HW-1620-FL3-90-77	single pc - non skive	16	1	50.8	8.3	121	79	20	50	77
HW-2020-FL3-90-90-SKIVE	two pc-skive	20	1 - 1/4	50.8	8.3	165	100	25	54	90
HW-2024-FL3-90-90-SKIVE	two pc-skive	20	1 - 1/4	60.3	8.3	160	104	25	54	90
HW-2420-FL3-90-70-SKIVE	two pc-skive	24	1 - 1/2	50.8	8.3	150	95	32	60	70
HW-2424-FL3-90-97-SKIVE	two pc-skive	24	1 - 1/2	60.3	8.3	160	101	28	60	97
HW-3232-FL3-90-133-SKIVE	two pc-skive	32	2	71.4	9.9	216	152	42	73	133
HW-2016-FL3-90-80	non skive	20	1 - 1/4	44.5	8	160	85	21	62	80
HW-2020-FL3-90-90	non skive	20	1 - 1/4	50.8	8	160	90	25	62	90
HW-2020-FL3-90-95	non skive	20	1 - 1/4	50.8	8	170	98	25	62	95
HW-2024-FL3-90-100	non skive	20	1 - 1/4	60.3	8	190	115	27	62	100
HW-2424-FL3-90-110	non skive	24	1 - 1/2	60.3	8	195	115	28	72	110
HW-2432-FL3-90-100	non skive	24	1 - 1/2	71.4	10	200	125	29	72	100
HW-3224-FL3-90-110	non skive	32	2	60.3	8	220	125	28	85	110
HW-3232-FL3-90-130	non skive	32	2	71.4	10	255	160	38	85	130

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

Flange Code 61 bend 45 degree

Standard - SAE 6162-1

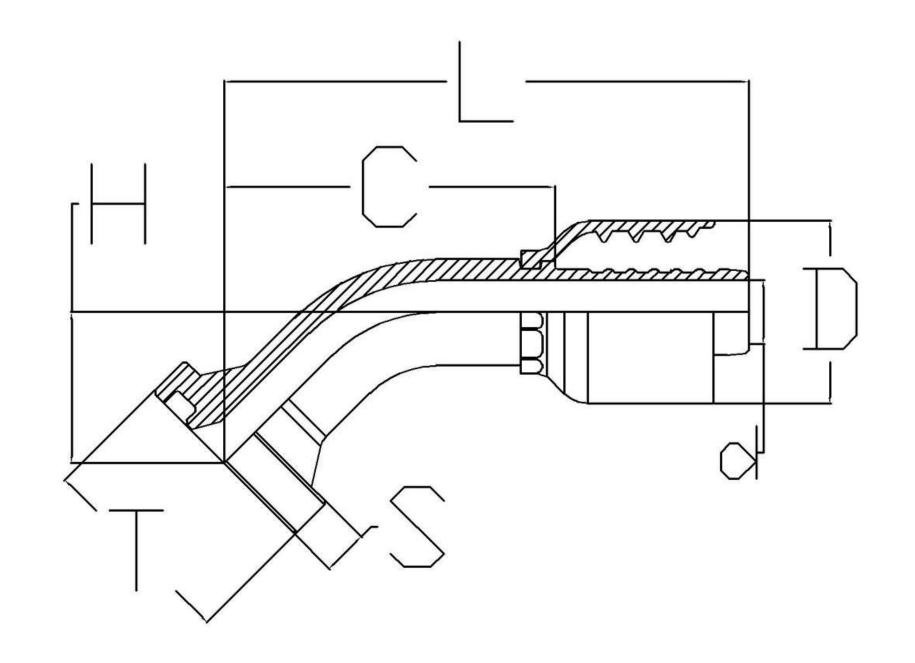
3000 PSI CODE 61

ORING - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, Teflon*



DESCRIPTION	ATTRIBUTES	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HW-1212-FL3-45-39	single pc - non skive	12	3/4	38.1	7	100	61	14	40	39
HW-1216-FL3-45-46	single pc - non skive	12	3/4	44.5	8.3	102	59	14	40	46
HW-1616-FL3-45-56	single pc - non skive	16	1	44.5	8.3	139	108	21	50	56
HW-1620-FL3-45-38	single pc - non skive	16	1	50.8	8.3	151	112	20	50	38
HW-2020-FL3-45-36-SKIVE	two pc-skive	20	1 - 1/4	50.8	8.3	162	110	25	54	36
HW-2424-FL3-45-50-SKIVE	two pc-skive	24	1 - 1/2	60.3	8.3	190	140	27	60	50
HW-3232-FL3-45-43-SKIVE	two pc-skive	32	2	71.4	9.9	191	129	42	73	43
HW-2020-FL3-45-38	non skive	20	1 - 1/4	50.8	8	190	105	27	62	38
HW-2424-FL3-45-42	non skive	24	1 - 1/2	60.3	8	190	116	28	72	42
HW-2432-FL3-45-50	non skive	24	1 - 1/2	71.4	10	230	160	32	72	50
HW-3232-FL3-30-30	non skive	32	2	71.4	10	215	123	42	85	30

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately



^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately

Flange Code 62 Straight

Standard - SAE-6162-1

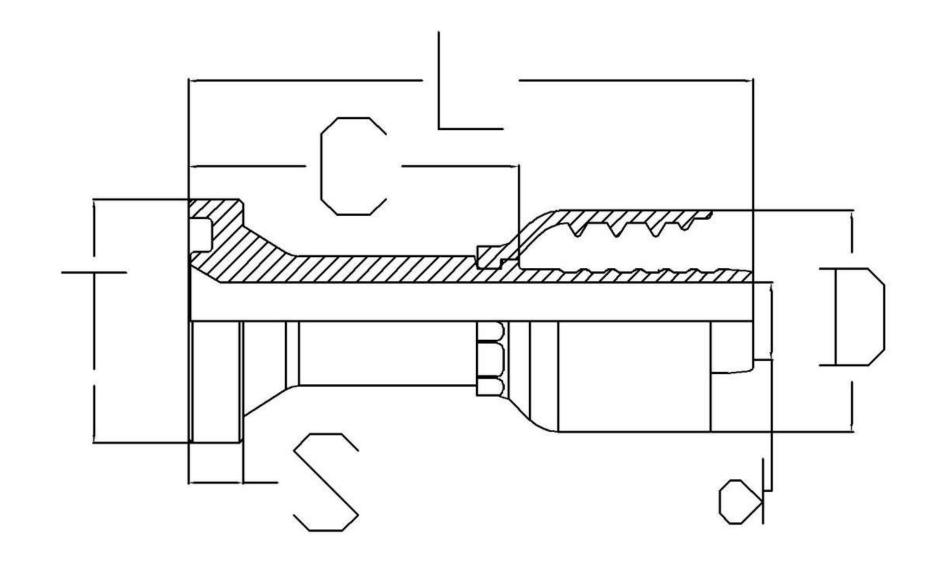
CODE 62 6000 PSI

ORING - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, Teflon*

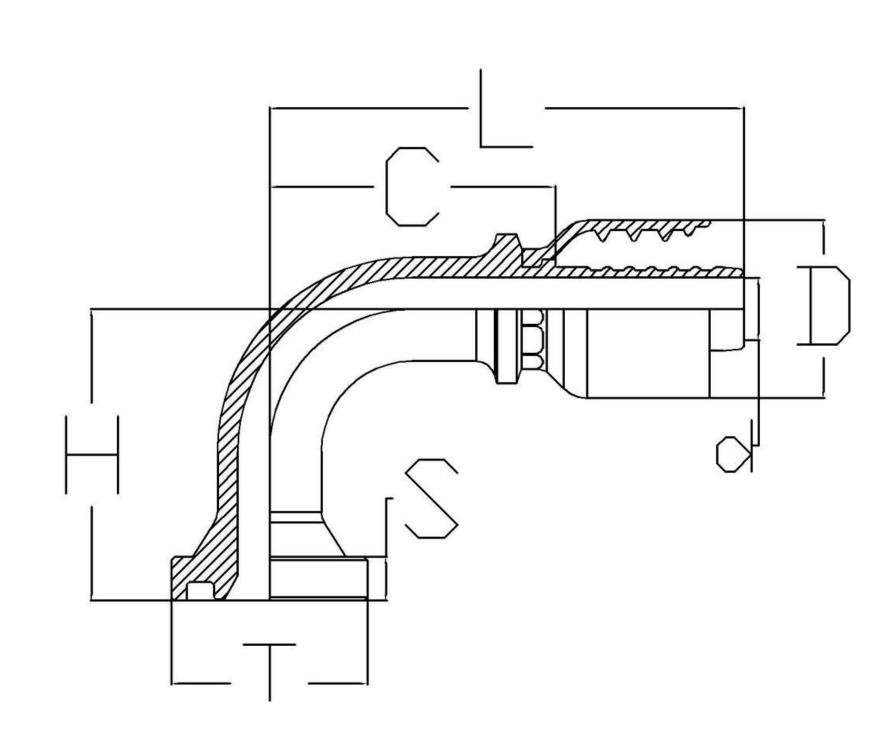


DESCRIPTION	ATTRIBUTES	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0808-FL6	single pc - non skive	8	1/2	31.8	8	70	41	9	30
HW-1212-FL6	single pc - non skive	12	3/4	41.3	9	91	47	14	40
HW-1216-FL6	single pc - non skive	12	3/4	47.6	9.6	93	50	14	40

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

Flange Code 62 bend 90 degree

Standard - SAE-6162-1 CODE 62 6000 PSI O RING - NBR** Used for hose type -SAE 100 R1, R2, R16, R17, R19, R7*, R6*, R4*, Teflon*



DESCRIPTION	ATTRIBUTES	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HW-1212-FL6-90-40	single pc - non skive	12	3/4	41.3	9	108	66	14	40	65
HW-1216-FL6-90-40	single pc - non skive	12	3/4	47.6	9.6	107	64	14	40	67
HW-1620-FL6-90-50	single pc - non skive	16	1	54	10.5	127	83	20	50	83
HW-1212-FL6-45-40	single pc - non skive	12	3/4	41.3	9	108	64	14	40	24
HW-1216-FL6-45-40	single pc - non skive	12	3/4	47.6	9.6	104	60	14	40	46

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately

Flange Code 62 bend 45 degree

Wire Braid Fittings

Standard - SAE-6162-1

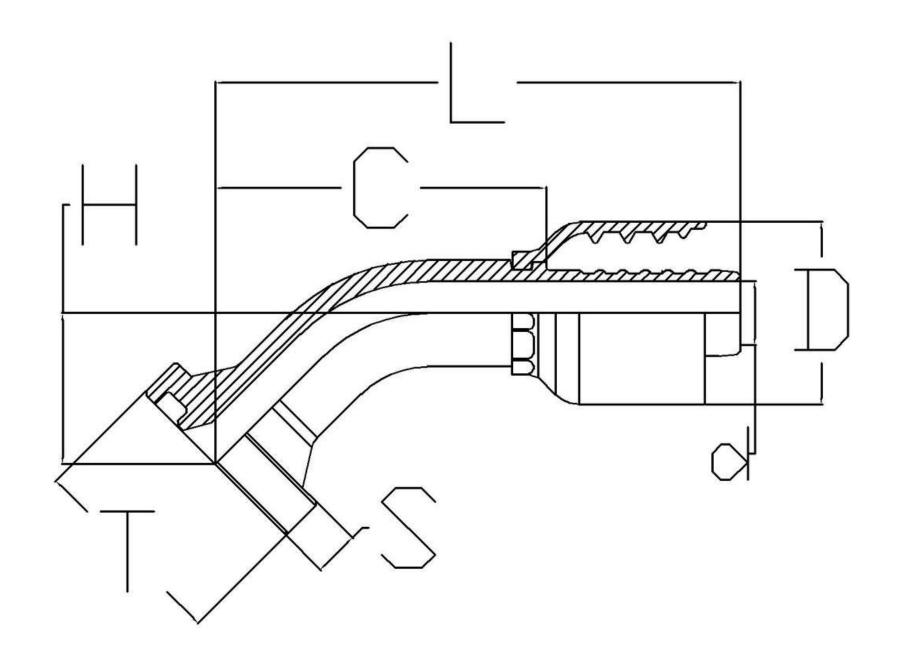
CODE 62 6000 PSI

ORING - NBR**

Used for hose type -

SAE 100 R1, R2, R16, R17,

R19, R7*, R6*, R4*, Teflon*



DESCRIPTION	ATTRIBUTES	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	а	D	Н
HW-1212-FL6-90-40	single pc - non skive	12	3/4	41.3	9	108	66	14	40	65
HW-1216-FL6-90-40	single pc - non skive	12	3/4	47.6	9.6	107	64	14	40	67
HW-1620-FL6-90-50	single pc - non skive	16	1	54	10.5	127	83	20	50	83
HW-1212-FL6-45-40	single pc - non skive	12	3/4	41.3	9	108	64	14	40	24
HW-1216-FL6-45-40	single pc - non skive	12	3/4	47.6	9.6	104	60	14	40	46

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately

JIS Female straight

Wire Braid Fittings

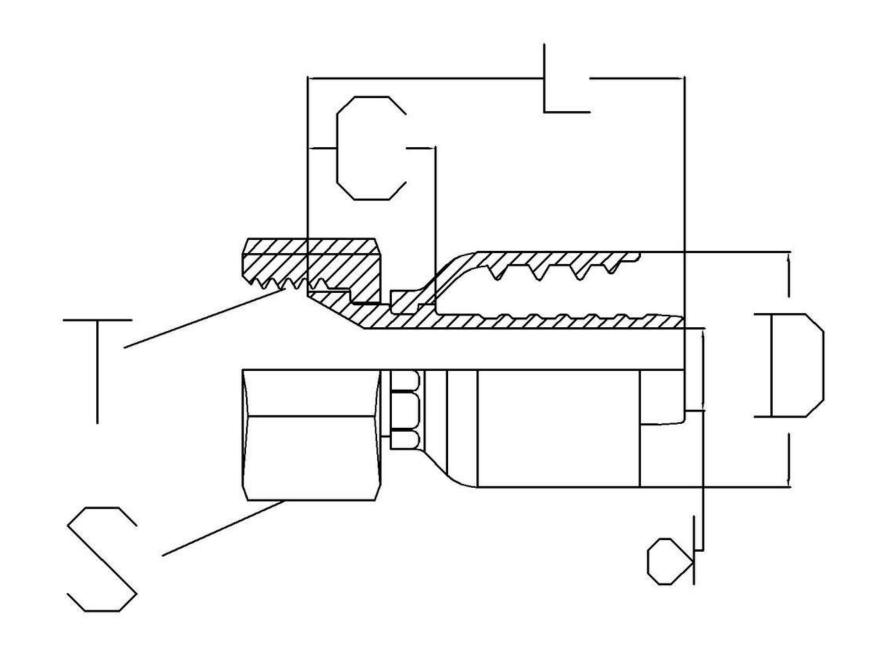
Standard - BSP Inverted C-Type

Cone - 60°

Used for hose type -

SAE- 100 R1, R2, R16, R17,

R19, R4*, R7*, R6*, Teflon*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0404-FBJ	4	1/4	1/4-19BSP	19	45	16	4	23
HW-0606-FBJ	6	3/8	3/8-19BSP	22	46	17	7	27
HW-0808-FBJ	8	1/2	1/2-14BSP	27	45	16	9	30
HW-1212-FBJ	12	3/4	3/4-14BSP	32	63	19	14	40
HW-1616-FBJ	16	1	1-11BSP	41	64	20	20	50
HW-1620-FBJ	16	1	1.1/4-11BSP	50	69	25	20	50
HW-2432-FBJ	24	1 - 1/2	2-11BSP	70	100	33	31	60

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

JIS Female 90 degree bend

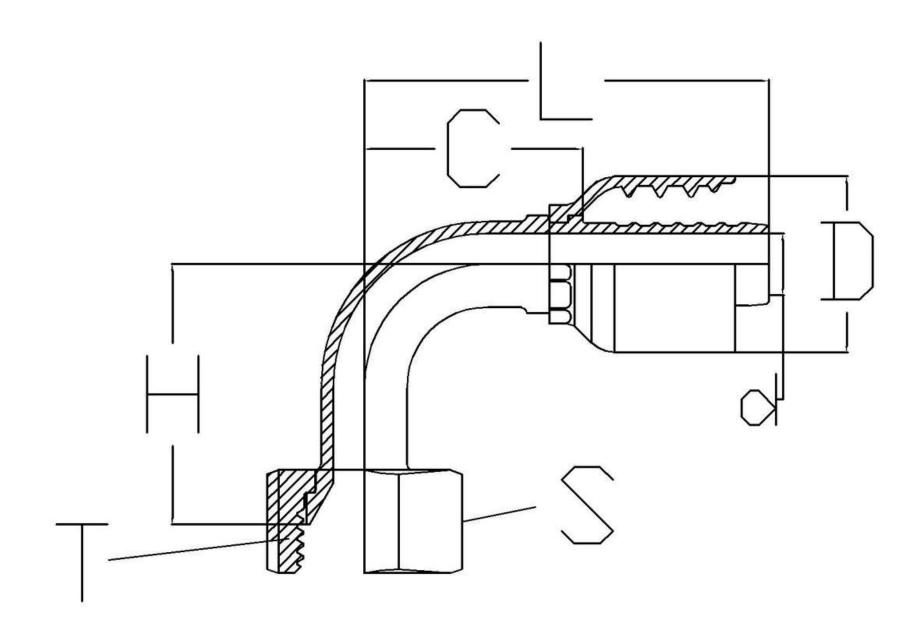
Standard - BSP Inverted C-Type

Cone - 60°

Used for hose type -

SAE- 100 R1, R2, R16, R17,

R19, R4*, R7*, R6*, Teflon*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	Н
HW-0404-FBJ-90-25	4	1/4	1/4-19BSP	19	57	29	4	23	25
HW-0606-FBJ-90-30	6	3/8	3/8-19BSP	22	60	30	6	27	30
HW-0808-FBJ-90-37	8	1/2	1/2-14BSP	24	72	43	9	30	37
HW-1212-FBJ-90-54	12	3/4	3/4-14BSP	32	102	59	14	40	54
HW-1616-FBJ-90-63	16	1	1-11BSP	41	114	71	19	50	63
HW-1620-FBJ-90-75	16	1	1.1/4-11BSP	50	114	73	19	50	75

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



KOMATSU Female straight

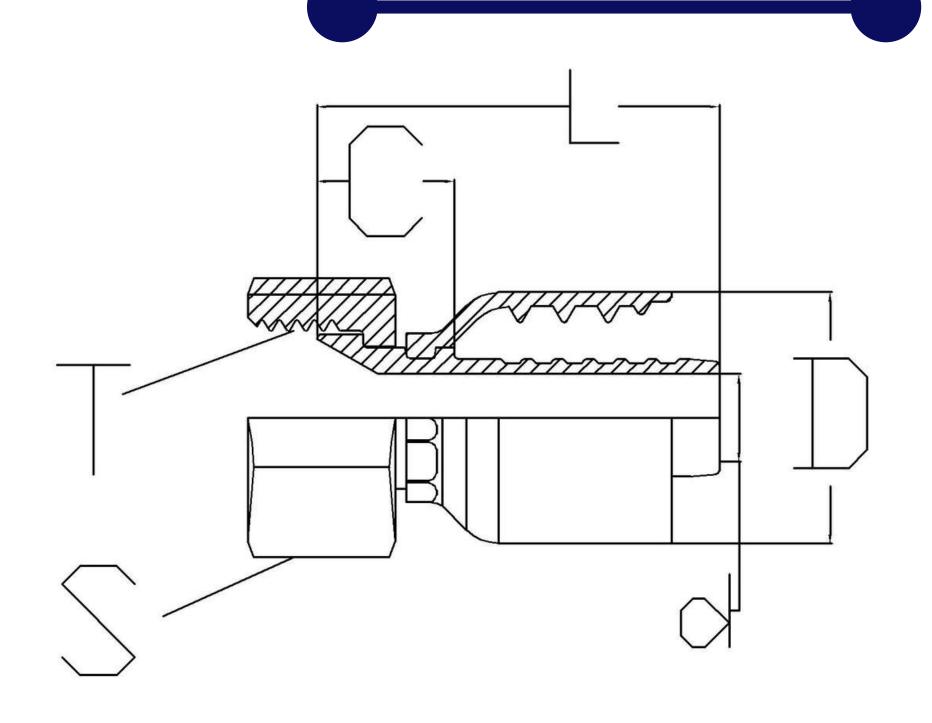
Standard - Komatsu

Cone - 60°

Used for hose type -

SAE- 100 R1, R2, R16, R17,

R19, R4*, R7*, R6*, Teflon*



Wire Braid Fittings

DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0404-FK	4	1/4	14X1.5	19	43	14	4	23
HW-0606-FK	6	3/8	18X1.5	24	46	17	7	27
HW-0808-FK	8	1/2	22X1.5	27	46	17	9	30
HW-1010-FK	10	5/8	24X1.5	32	51	18	13	32
HW-1212-FK	12	3/4	30X1.5	36	63	20	14	40
HW-1616-FK	16	1	33X1.5	41	62	19	20	50
HW-2424-FK	24	1 - 1/2	42X1.5	50	93	26	31	68

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number

KOMATSU Female 90 degree bend

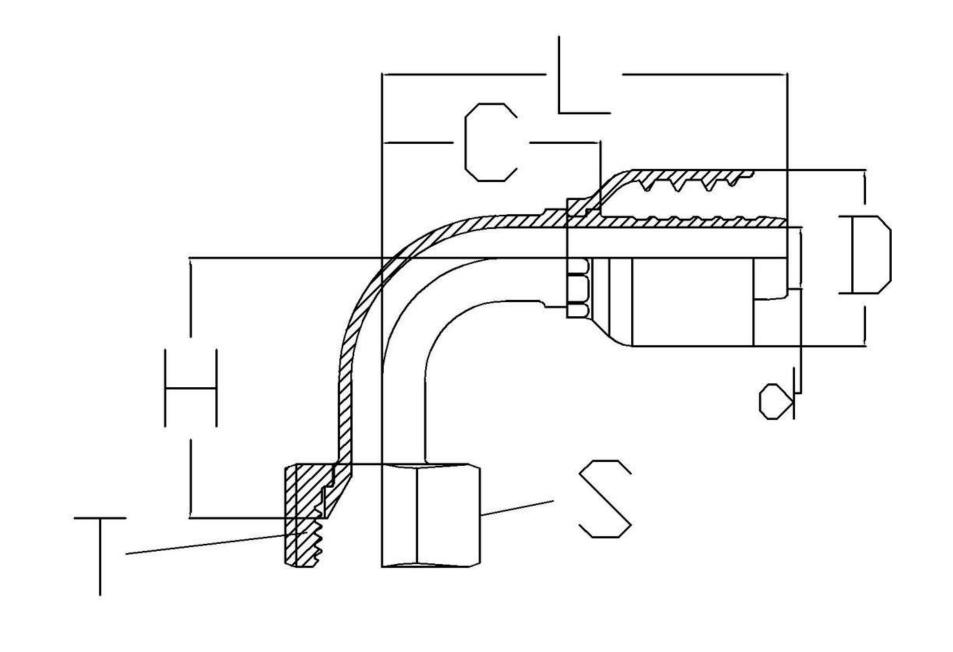
Standard - Komatsu

Cone - 60°

Used for hose type -

SAE- 100 R1, R2, R16, R17,

R19, R4*, R7*, R6*, Teflon*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	Н
HW-0404-FK-90-32	4	1/4	14X1.5	19	63	34	4	23	32
HW-0606-FK-90-30	6	3/8	18X1.5	24	60	31	7	27	30
HW-0808-FK-90-39	8	1/2	22X1.5	27	72	42	9	30	39
HW-1010-FK-90-52	10	5/8	24X1.5	32	84	52	13	32	52
HW-1212-FK-90-57	12	3/4	30X1.5	36	109	65	15	40	57
HW-1616-FK-90-63	16	1	33X1.5	21	111	69	20	50	63

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



NPT Female and Male straight

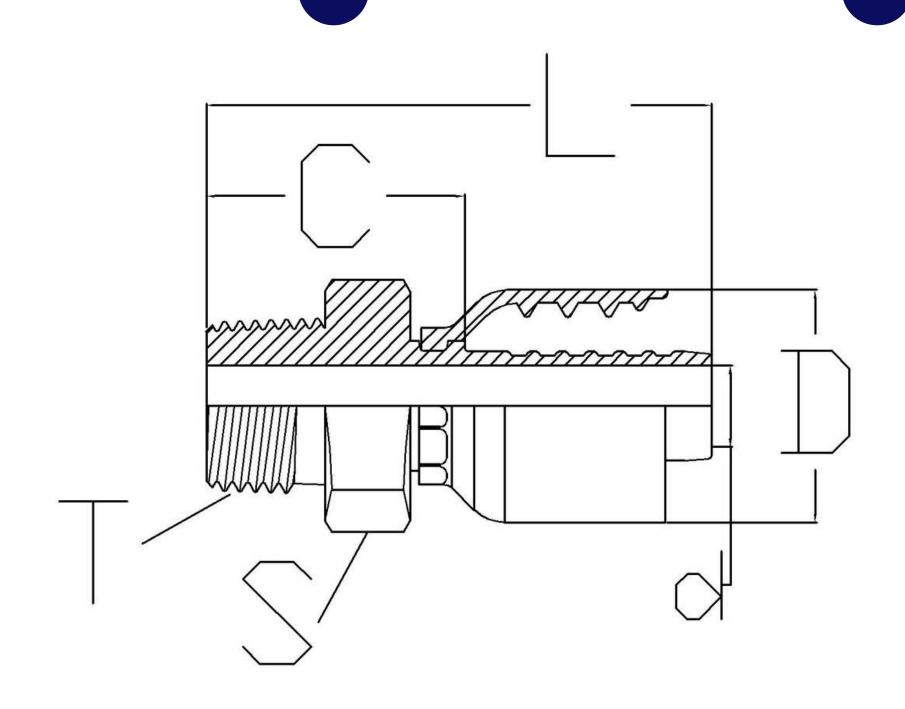
Standard - ANSI/ASME B1.20.I

Cone - 60°

Used for hose type -

SAE- 100 R1, R2, R16, R17,

R19, R4*, R7*, R6*, Teflon*



Wire Braid Fittings

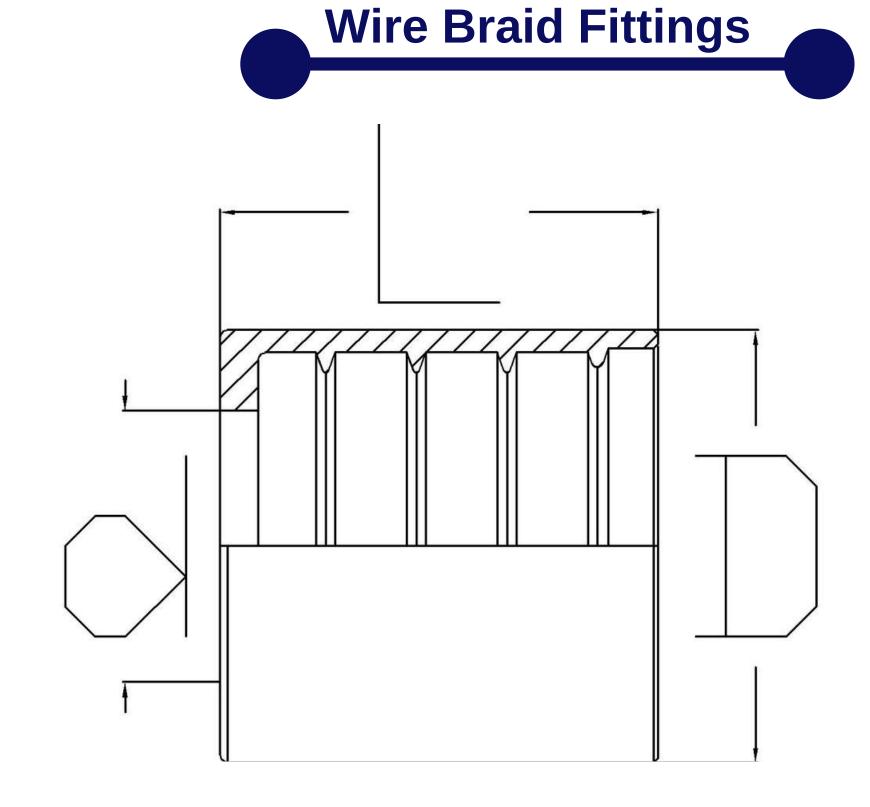
DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HW-0404-FNPT	4	1/4	1/4 – 18	17	56	27	4	23
HW-0402-MNPT	4	1/4	1/8 – 27	17	55	26	4	23
HW-0404-MNPT	4	1/4	1/4 – 18	17	55	26	4	23
HW-0406-MNPT	4	1/4	3/8-18	19	60	31	4	23
HW-0604-MNPT	6	3/8	1/4 – 18	17	55	26	7	27
HW-0606-MNPT	6	3/8	3/8-18	19	59	30	7	27
HW-0608-MNPT	6	3/8	1/2 – 14	22	63	34	7	27
HW-0808-MNPT	8	1/2	1/2 – 14	24	65	36	9	30
HW-1212-MNPT	12	3/4	3/4 – 14	27	78	35	15	40
HW-1616-MNPT	16	1	1 - 11.1/2	36	84	40	20	50
HW-2020-MNPT	20	1 - 1/4	1.1/4 - 11.1/2	50	105	50	25	60
HW-3232-MNPT	32	2	2 - 11.1/2	65	112	52	43	73

^{*} To order fittings for R6, R7, R4 and Teflon hose, mention the hose type with part number



FERRULE L1 - Non Skive

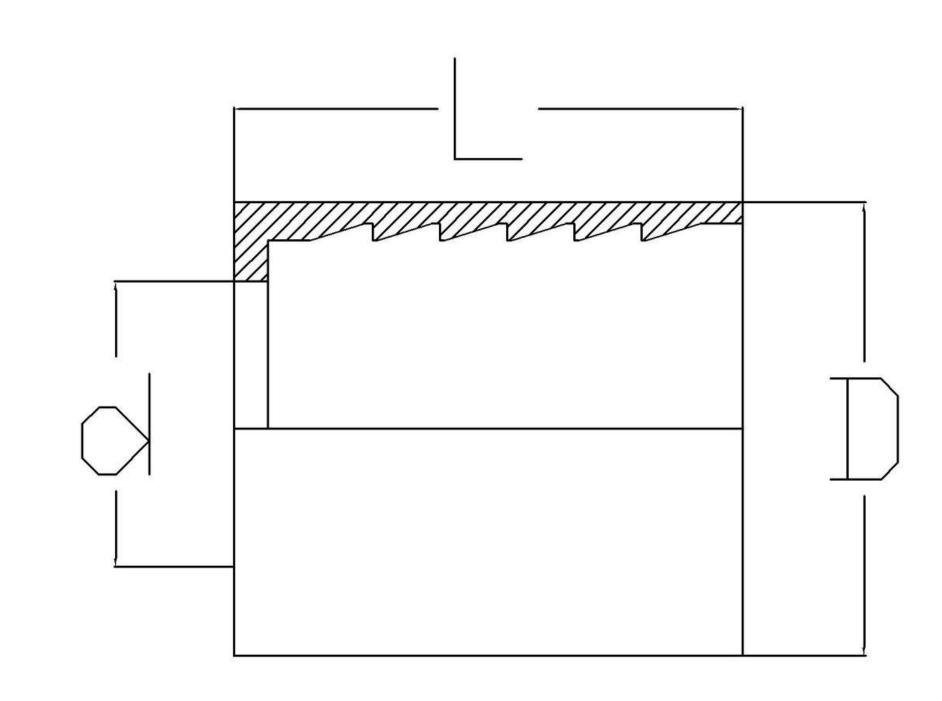
Ferrule - Cap - Socket
Used for hose type R1, R2, R16, R17, R19



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	L	d	D
04SPM01	4	1/4	29	11	21
06SPM01	6	3/8	29	14	25
08SPM01	8	1/2	29	18	29
12SPM01	12	3/4	38	21	33
16SPM01	16	1	43	23	39
20FST01	20	1 - 1/4	61	49	61
24FST01	24	1 - 1/2	68	52	68
32FST	32	2	66	56	83

FERRULE L2 Skive

Ferrule - Cap - Socket
Used for hose typeR4, R6, TEFLON



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	L	d	D
20FST-SKIVE	20	1 - 1/4	61	35	54
24FST-SKIVE	24	1 - 1/2	61	43	60
32FST-SKIVE	32	2	66	54	73
40FST01-SKIVE	40	2 - 1/2	71	69	86
48FST01-SKIVE	48	3	77	80	100
64FST01-SKIVE	64	4	98	102	128





4 Spiral Fittings



4 Spiral Fittings

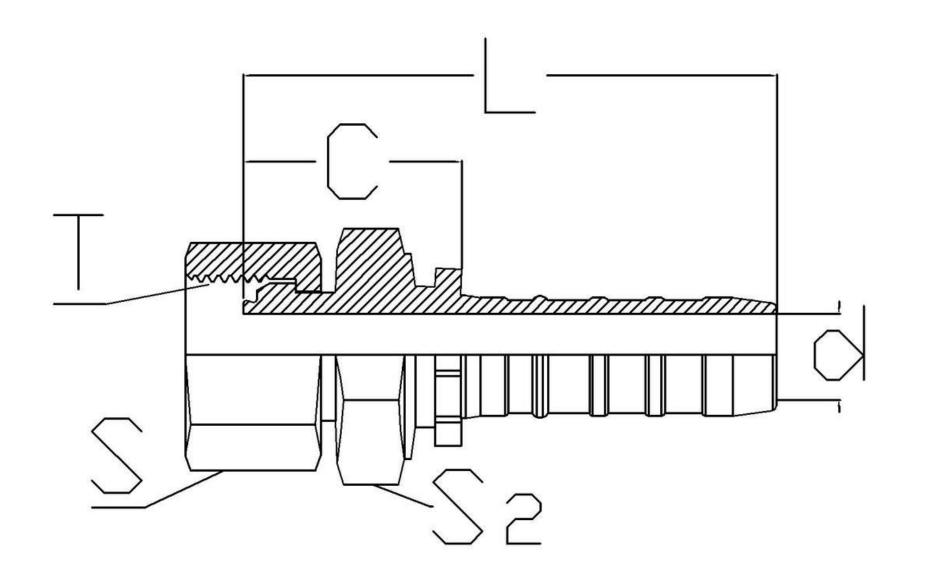
Standard - ISO 8434-6

Cone - 60°

O- Ring - NBR**

Used for hose Type -

4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	S2
HS-0606-FB	6	3/8	3/8-19BSP	22	60	24	7	32	19
HS-0808-FBO	8	1/2	1/2-14BSP	27	62	25	9	34	27
HS-1010-FBO	10	5/8	5/8-14BSP	30	80	29	12	42	30
HS-1012-FB	10	5/8	3/4-14BSP	32	85	33	14	42	30
HS-1012-FBO	10	5/8	3/4-14BSP	32	85	33	14	42	30
HS-1212-FBO	12	3/4	3/4-14BSP	32	87	36	14	46	32
HS-1216-FB	12	3/4	1-11BSP	41	86	35	14	46	32
HS-1616-FBO	16	1	1-11BSP	41	103	43	18	52	41
HS-2020-FB	20	1 - 1/4	1.1/4-11BSP	50	119	47	26	62	50
HS-2024-FB	20	1 - 1/4	1.1/2-11BSP	55	119	46	26	62	50
HS-2424-FB	24	1 - 1/2	1.1/2-11BSP	55	119	45	32	72	55
HS-3232-FB	32	2	2-11BSP	70	151	59	43	85	70

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

BSP Female 90 degree bend

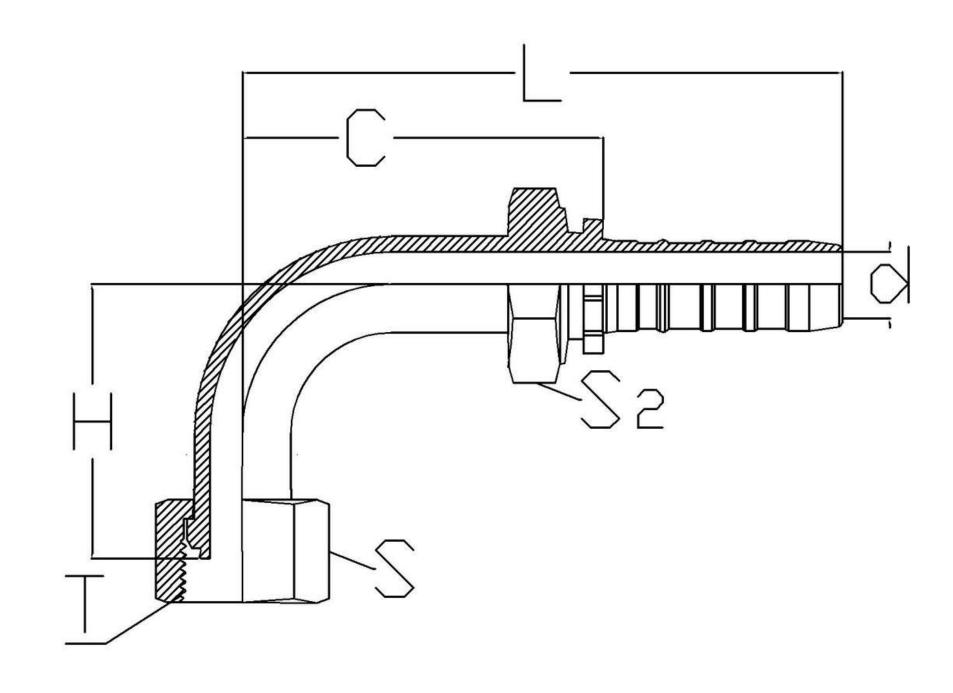
Standard - ISO 8434-6

Cone - 60°

O- Ring - NBR**

Used for hose Type -

4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	H	S2
HS-0606-FB-90-35	6	3/8	3/8-19BSP	22	79	43	7	32	35	19
HS-0808-FBO-90-42	8	1/2	1/2-14BSP	27	87	48	9	34	42	27
HS-1008-FB-90-52	10	5/8	1/2-14BSP	27	107	56	11	42	52	30
HS-1010-FBO-90-55	10	5/8	5/8-14BSP	30	122	70	12	42	55	30
HS-1012-FBO-90-60	10	5/8	3/4-14BSP	32	117	64	12	42	60	30
HS-1212-FBO-90-55	12	3/4	3/4-14BSP	32	139	80	15	46	55	32
HS-1216-FB-90-70	12	3/4	1-11BSP	41	120	40	15	46	70	32
HS-1616-FBO-90-75	16	1	1-11BSP	41	145	86	19	52	75	41
HS-2020-FB-90-95	20	1 - 1/4	1.1/4-11BSP	50	140	108	24	62	95	50
HS-2024-FB-90-90	20	1 - 1/4	1.1/2-11BSP	55	182	110	23	62	90	50
HS-2424-FB-90-115	24	1 - 1/2	1.1/2-11BSP	55	190	115	28	72	115	55
HS-3232-FB-90-130	32	2	2-11BSP	70	260	170	38	85	130	70

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

BSP Female 45 degree bend

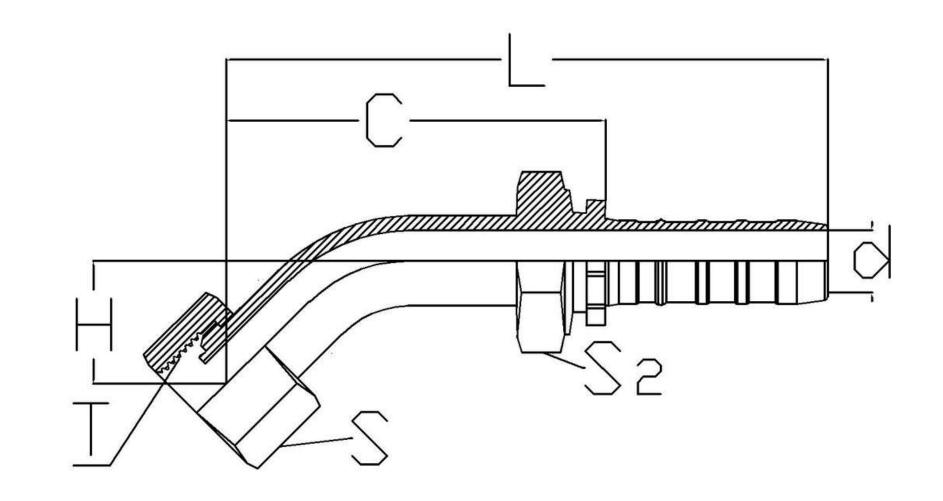
Standard - ISO 8434-6

Cone - 60°

O- Ring - NBR**

Used for hose Type -

4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S		С	d	D	H	S2
HS-0606-FB-45-16	6	3/8	3/8-19BSP	22	83	47	7	32	16	19
HS-0808-FBO-45-18	8	1/2	1/2-14BSP	27	91	54	9	34	18	27
HS-1010-FBO-45-24	10	5/8	5/8-14BSP	30	121	71	12	42	24	30
HS-1212-FBO-45-22	12	3/4	3/4-14BSP	32	141	82	15	46	22	32
HS-1216-FB-45-30	12	3/4	1-11BSP	41	138	87	14	46	30	32
HS-1616-FBO-45-34	16	1	1-11BSP	41	158	102	20	52	34	41
HS-2020-FB-45-36	20	1 - 1/4	1.1/4-11BSP	50	200	130	22	62	36	50
HS-2424-FB-45-57	24	1 - 1/2	1.1/2-11BSP	55	221	147	32	72	57	55
HS-3232-FB-45-66	32	2	2-11BSP	70	273	181	42	85	66	70

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

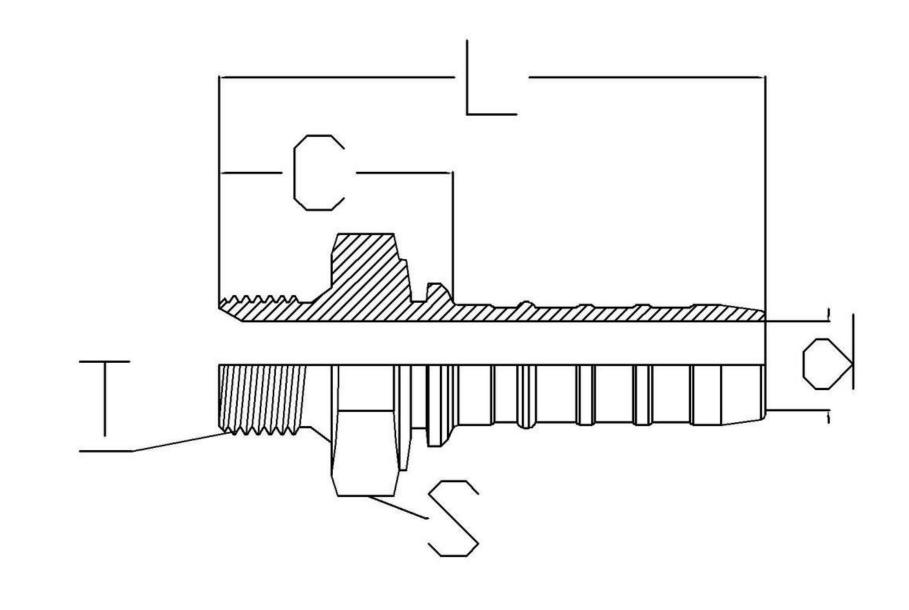
BSP Male Straight

Standard - ISO 8434-6

Cone - 60°

Used for hose Type -

4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HS-0808-MB	8	1/2	1/2-14BSP	27	71	34	9	34
HS-1212-MB	12	3/4	3/4-14BSP	36	85	35	14	46
HS-1216-MB	12	3/4	1-11BSP	41	92	42	14	46
HS-1616-MB	12	3/4	1-11BSP	41	99	42	21	52
HS-1620-MB	16	1	1.1/4-11BSP	50	106	48	29	52
HS-2020-MB	20	1 - 1/4	1.1/4-11BSP	50	120	49	29	62
HS-2424-MB	24	1 - 1/2	1.1/2-11BSP	55	130	57	33	72
HS-3232-MB	32	2	2-11BSP	70	146	55	42	85

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

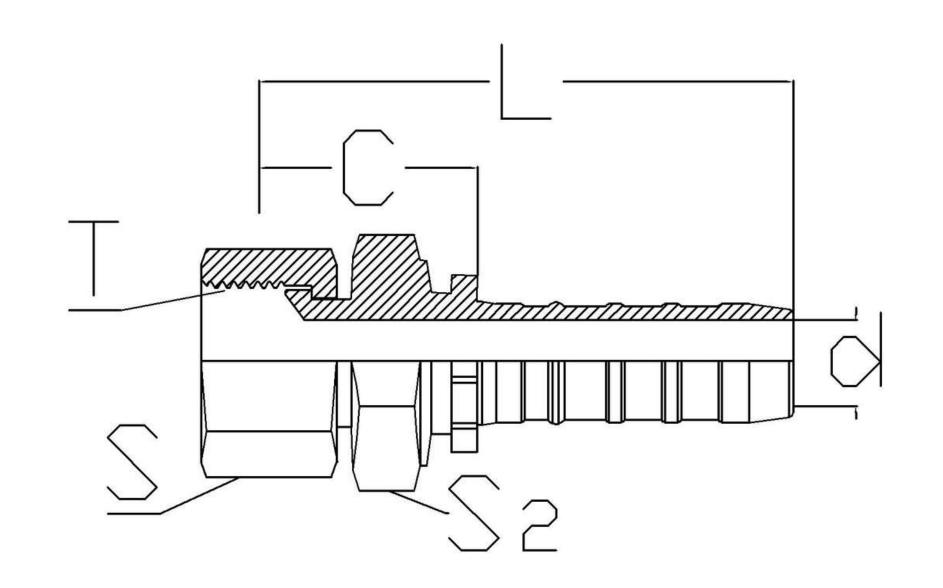
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

Standard - ISO -8434-2

Cone - 37°

Used for hose type -

4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	S2
HS-0606-FJ	6	3/8	9/16-18UN	19	62	25	7	32	19
HS-0608-FJ	8	1/2	3/4-16UN	24	62	29	7	32	27
HS-0808-FJ	8	1/2	3/4-16UN	24	63	26	9	34	27
HS-0810-FJ	8	1/2	7/8-14UN	27	63	26	9	34	27
HS-1010-FJ	10	5/8	7/8-14UN	27	80	31	12	42	30
HS-1012-FJ	10	5/8	1.1/16-12UN	32	84	33	12	42	30
HS-1212-FJ	12	3/4	1.1/16-12UN	32	83	35	15	46	32
HS-1216-FJ	12	3/4	1.5/16-12UN	41	86	39	14	46	32
HS-1616-FJ	16	1	1.5/16-12UN	41	94	40	18	52	41
HS-1620-FJ	20	1 - 1/4	1.5/8-12UN	50	98	41	18	52	50
HS-2020-FJ	20	1 - 1/4	1.5/8-12UN	50	118	46	26	62	50
HS-2424-FJ	24	1 - 1/2	1.7/8-12UN	60	119	47	31	72	55
HS-3232-FJ	32	2	2.1/2-12UN	75	151	57	43	85	70
HS-1212-MJ	12	3/4	1.1/16-12UN	32	91	42	15	46	
HS-1616-MJ	12	3/4	1.5/16-12UN	41	101	44	21	52	

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

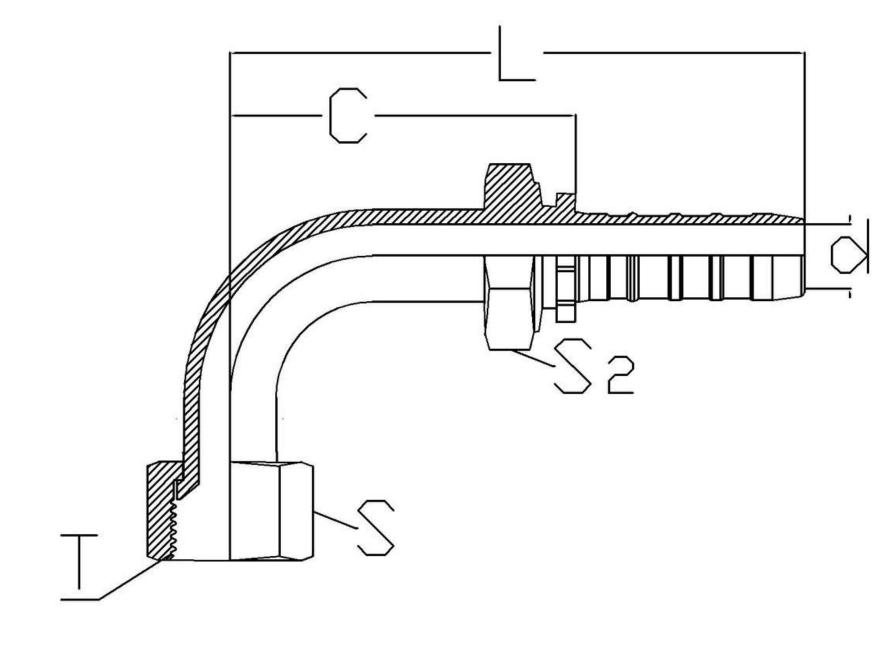
JIC Female 90 degree bend

Standard - ISO -8434-2

Cone - 37°

Used for hose type -

4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L. L.	С	d	D	Н	S2
HS-0606-FJ-90-35	6	3/8	9/16-18UN	19	78	41	7	32	35	19
HS-0808-FJ-90-40	8	1/2	3/4-16UN	24	83	46	7	34	40	27
HS-0810-FJ-90-40	8	1/2	7/8-14UN	27	82	45	8	34	40	27
HS-1010-FJ-90-45	10	5/8	7/8-14UN	27	105	54	9	42	45	30
HS-1212-FJ-90-60	12	3/4	1.1/16-12UN	32	123	75	15	46	60	32
HS-1216-FJ-90-85	12	3/4	1.5/16-12UN	41	124	73	14	46	85	32
HS-1616-FJ-90-70	16	1	1.5/16-12UN	41	150	92	18	52	70	41
HS-1620-FJ-90-75	20	1 - 1/4	1.5/8-12UN	50	150	90	18	52	75	50
HS-2020-FJ-90-90	20	1 - 1/4	1.5/8-12UN	50	180	112	25	62	90	50
HS-2424-FJ-90-100	24	1 - 1/2	1.7/8-12UN	60	195	115	29	72	100	55
HS-3232-FJ-90-130	32	2	2.1/2-12UN	75	265	165	40	85	130	70

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

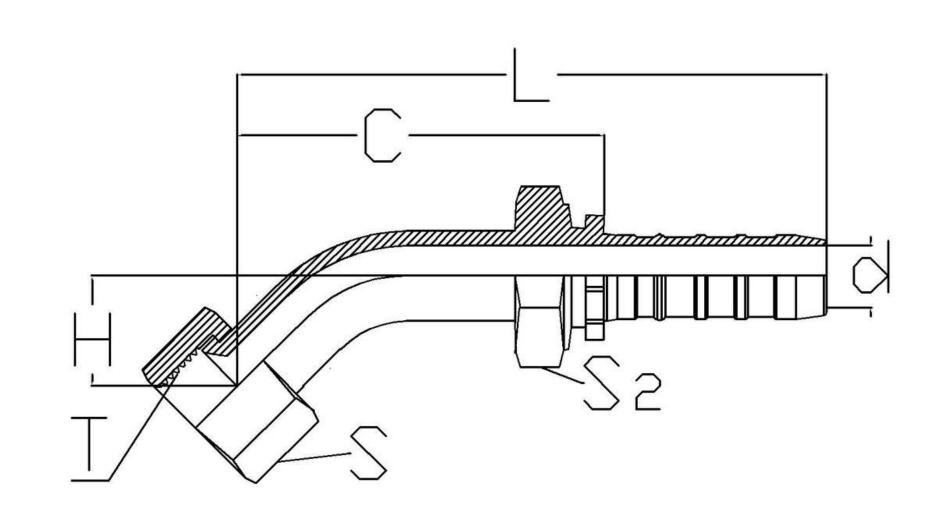


^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

Standard - ISO -8434-2

Cone - 37°

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н	S2
HS-0606-FJ-45-15	6	3/8	9/16-18UN	19	80	43	7	32	15	19
HS-0608-FJ-45-17	6	3/8	3/4-16UN	24	84	47	7	32	17	19
HS-0808-FJ-45-17	8	1/2	3/4-16UN	24	93	55	9	34	17	27
HS-0810-FJ-45-18	8	1/2	7/8-14UN	27	94	57	9	34	18	27
HS-1010-FJ-45-22	10	5/8	7/8-14UN	27	120	70	12	42	22	30
HS-1012-FJ-45-22	10	5/8	1.1/16-12UN	32	120	70	12	42	22	30
HS-1212-FJ-45-27	12	3/4	1.1/16-12UN	32	133	82	14	46	27	32
HS-1216-FJ-45-31	12	3/4	1.5/16-12UN	41	138	87	14	46	31	32
HS-1616-FJ-45-30	16	1	1.5/16-12UN	41	152	96	20	52	30	41
HS-1620-FJ-45-72	16	1	1.5/8-12UN	50	144	88	20	52	72	41
HS-2020-FJ-45-44	20	1 - 1/4	1.5/8-12UN	50	198	126	25	62	44	50
HS-2424-FJ-45-53	24	1 - 1/2	1.7/8-12UN	60	220	147	32	72	53	55
HS-3232-FJ-45-66	32	2	2.1/2-12UN	75	281	186	42	85	66	70

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring



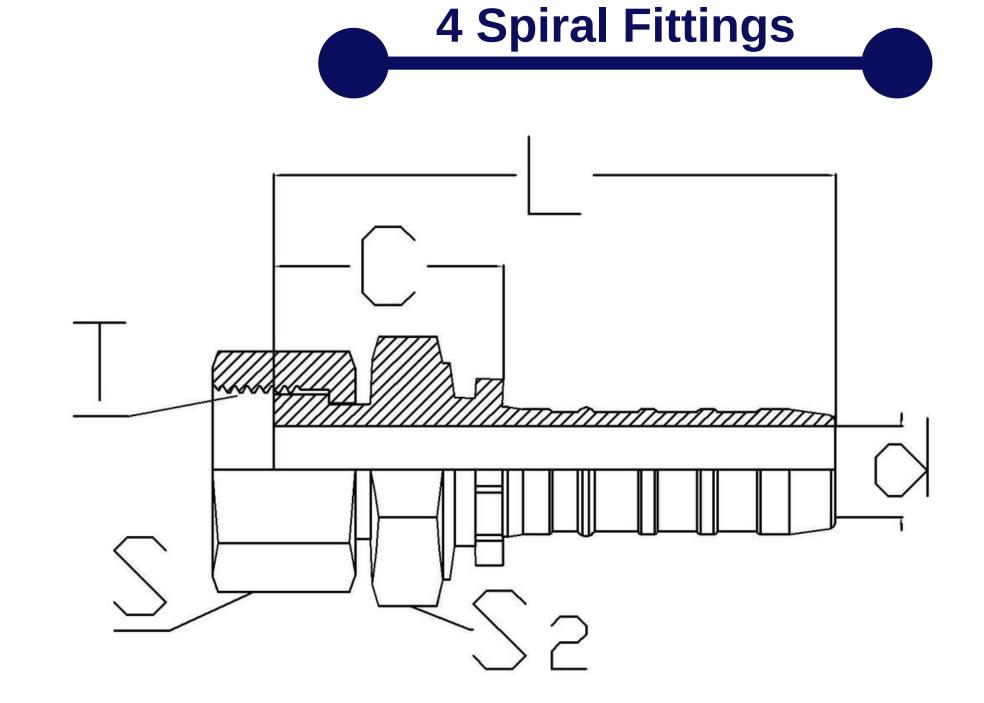
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

ORFS Female Straight

Standard - ISO 8434-3

Cone - Flat face

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	S2
HS-0606-FO	6	3/8	11/16-16UN	22	68	32	7	32	19
HS-0808-FO	8	1/2	13/16-16UN	24	72	34	10	34	27
HS-0810-FO	8	1/2	1-14UN	27	75	40	10	34	27
HS-1010-FO	10	5/8	1-14UN	27	93	43	12	42	30
HS-1012-FO	10	5/8	1.3/16 12UN	36	95	44	12	42	30
HS-1212-FO	12	3/4	1.3/16 12UN	36	100	50	15	46	32
HS-1216-FO	12	3/4	1.7/16 12UN	41	102	50	15	46	32
HS-1616-FO	16	1	1.7/16 12UN	41	112	54	18	52	41
HS-1620-FO	16	1	1.11/16 12UN	50	109	52	21	52	41
HS-2020-FO	20	1 - 1/4	1.11/16 12UN	50	128	57	26	62	50
HS-2424-FO	24	1 - 1/2	2-12UN	60	115	45	31	72	55

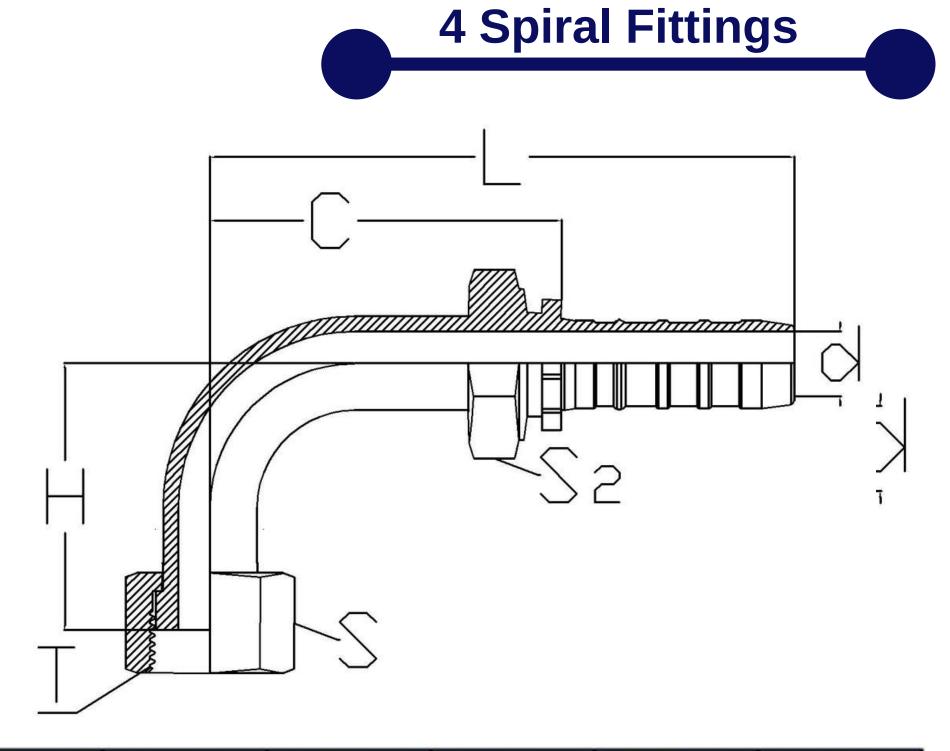
^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

ORFS Female 90 degree bend

Standard - ISO 8434-3
Cone - Flat face
Used for hose type 4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н	52
HS-0606-FO-90-30	6	3/8	11/16-16UN	22	80	42	7	32	30	19
HS-0808-FO-90-40	8	1/2	13/16-16UN	24	79	44	8	34	40	27
HS-0810-FO-90-40	8	1/2	1-14UN	27	91	53	8	34	40	27
HS-1008-FO-90-45	10	5/8	13/16-16UN	24	112	61	9	42	45	30
HS-1008-FO-90-100	10	5/8	13/16-16UN	24	112	61	9	42	100	30
HS-1010-FO-90-40	10	5/8	1-14UN	27	105	54	10	42	40	30
HS-1010-FO-90-70	10	5/8	1-14UN	27	105	54	10	42	70	30
HS-1012-FO-90-40	10	5/8	1.3/16 12UN	36	129	78	11	42	40	30
HS-1012-FO-90-95	10	5/8	1.3/16 12UN	36	129	78	11	42	95	30
HS-1212-FO-90-55	12	3/4	1.3/16 12UN	36	125	75	15	46	55	32
HS-1212-FO-90-105	12	3/4	1.3/16 12UN	36	125	75	15	46	105	32
HS-1212-FO-90-140	12	3/4	1.3/16 12UN	36	125	75	15	46	140	32
HS-1216-FO-90-60	12	3/4	1.7/16 12UN	41	127	75	15	46	60	32
HS-1216-FO-90-70	12	3/4	1.7/16 12UN	41	127	75	15	46	70	32
HS-1216-FO-90-115	12	3/4	1.7/16 12UN	41	127	75	15	46	115	32
HS-1616-FO-90-65	16	1	1.7/16 12UN	41	144	84	20	52	65	41
HS-1616-FO-90-120	16	1	1.7/16 12UN	41	144	84	20	52	120	41
HS-1620-FO-90-70	16	1	1.11/16 12UN	50	145	91	21	52	70	41
HS-2020-FO-90-90	20	1 - 1/4	1.11/16 12UN	50	175	115	23	62	90	50
HS-2424-FO-90-100	24	1 - 1/2	2-12UN	60	200	130	28	72	100	55

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring



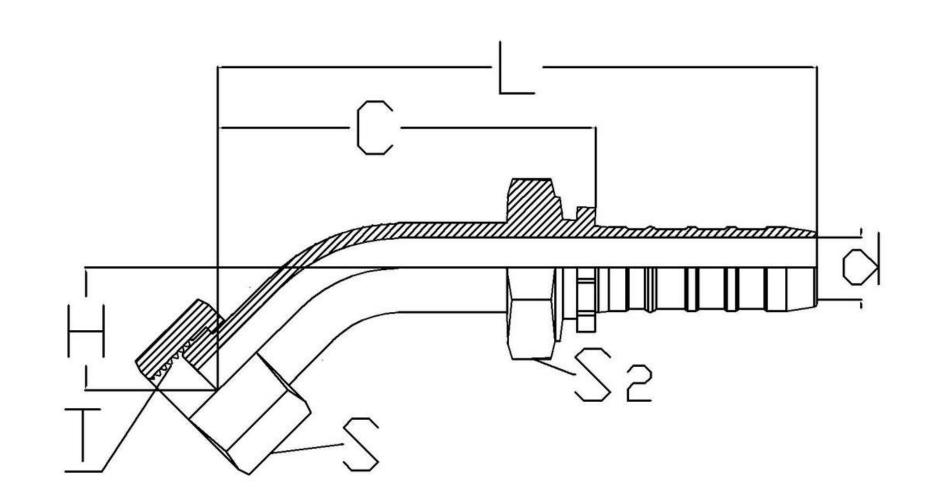
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

Standard - ISO 8434-3

Cone - Flat face

Used for hose type -

4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н	52
HS-0606-FO-45-15	6	3/8	11/16-16UN	19	83	47	7	32	15	19
HS-0808-FO-45-18	8	1/2	13/16-16UN	24	91	54	9	34	18	27
HS-0810-FO-45-20	8	1/2	13/16-16UN	27	93	56	9	34	20	27
HS-1010-FO-45-21	10	5/8	1-14UN	27	119	69	12	42	21	30
HS-1012-FO-45-22	10	5/8	1-14UN	32	120	70	12	42	22	30
HS-1212-FO-45-21	12	3/4	1.3/16 12UN	36	123	70	15	46	21	32
HS-1616-FO-45-30	16	1	1.7/16 12UN	41	154	97	21	52	30	41
HS-1620-FO-45-32	16	1	1.11/16 12UN	50	154	97	20	52	32	41
HS-2020-FO-45-43	20	1 - 1/4	1.11/16 12UN	50	197	126	25	62	43	50
HS-2424-FO-45-47	24	1 - 1/2	2-12UN	60	216	143	32	72	47	55

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

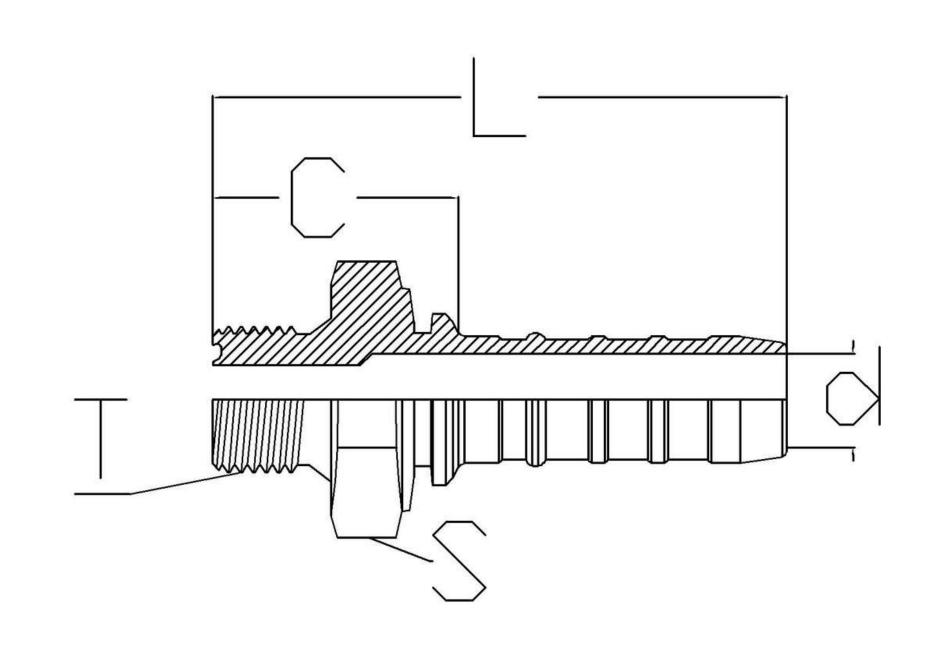
ORFS Male Straight

Standard - ISO 8434-3

Cone - Flat face

O-Ring - NBR

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HS-0808-MO	8	1/2	13/16-16UN	22	68	30	10	34
HS-0810-MO	8	1/2	1-14UN	27	72	35	10	34
HS-1010-MO	10	5/8	1-14UN	27	84	34	12	42
HS-1012-MO	10	5/8	1.3/16 12UN	32	89	38	12	42
HS-1212-MO	12	3/4	1.3/16 12UN	32	85	35	15	46
HS-1616-MO	16	1	1.7/16 12UN	41	103	46	21	52

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

METRIC Female Straight with O-Ring

Din Metric 24° Cone Female Straight

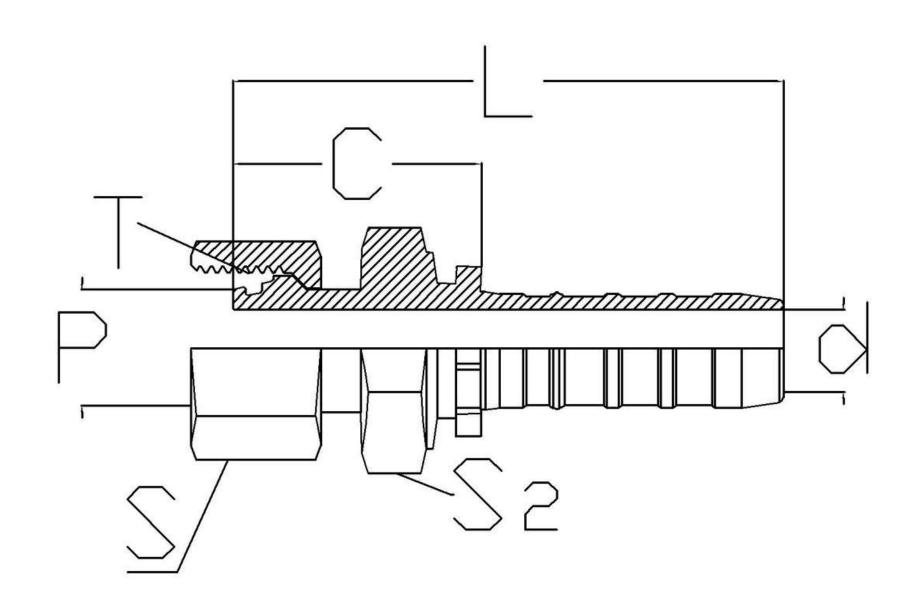
Standard - Din EN ISO 8434-1

O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	H	S2
HS-0612-FDHO	6	3/8	12H	20X1.5	24	73	31	7	32	19
HS-0612-FDLO	6	3/8	12L	18X1.5	22	67	32	7	32	19
HS-0815-FDLO	8	1/2	15L	22X1.5	27	75	32	9	34	27
HS-0816-FDHO	8	1/2	16H	24X1.5	30	75	32	10	34	27
HS-0818-FDLO	8	1/2	18L	26X1.5	32	67	29	10	34	27
HS-1016-FDHO	10	5/8	16H	24X1.5	30	92	41	11	42	30
HS-1018-FDLO	10	5/8	18L	26X1.5	32	91	34	13	42	30
HS-1020-FDHO	10	5/8	20H	30X2.0	36	100	42	13	42	30
HS-1218-FDLO	12	3/4	18L	26X1.5	32	89	38	12	46	32
HS-1220-FDHO	12	3/4	20H	30X2.0	36	103	45	13	46	32
HS-1222-FDLO	12	3/4	22L	30X2.0	36	95	43	15	46	32
HS-1225-FDHO	12	3/4	25H	36X2.0	41	107	48	16	46	32
HS-1228-FDLO	12	3/4	28L	36X2.0	41	100	55	15	46	32
HS-1625-FDHO	16	1	25H	36X2.0	41	116	53	19	52	41
HS-1628-FDLO	16	1	28L	36X2.0	41	42	43	21	52	41
HS-1630-FDHO	16	1	30H	42X2.0	50	118	62	18	52	41
HS-2030-FDHO	20	1 - 1/4	30H	42X2.0	50	135	53	21	62	50
HS-2035-FDLO	20	1 - 1/4	35L	45X2.0	50	134	51	27	62	50
HS-2038-FDHO	20	1 - 1/4	38H	52X2.0	60	142	61	26	62	50
HS-2042-FDLO	24	1 - 1/2	42L	52X2.0	60	133	58	26	62	55
HS-2438-FDHO	24	1 - 1/2	38H	52X2.0	60	146	63	26	72	55
HS-2442-FDLO	24	1 - 1/2	42L	52X2.0	60	141	58	43	72	55

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

METRIC Female 90 degree bend with O-Ring

Din Metric 24° Cone Female bend 90°

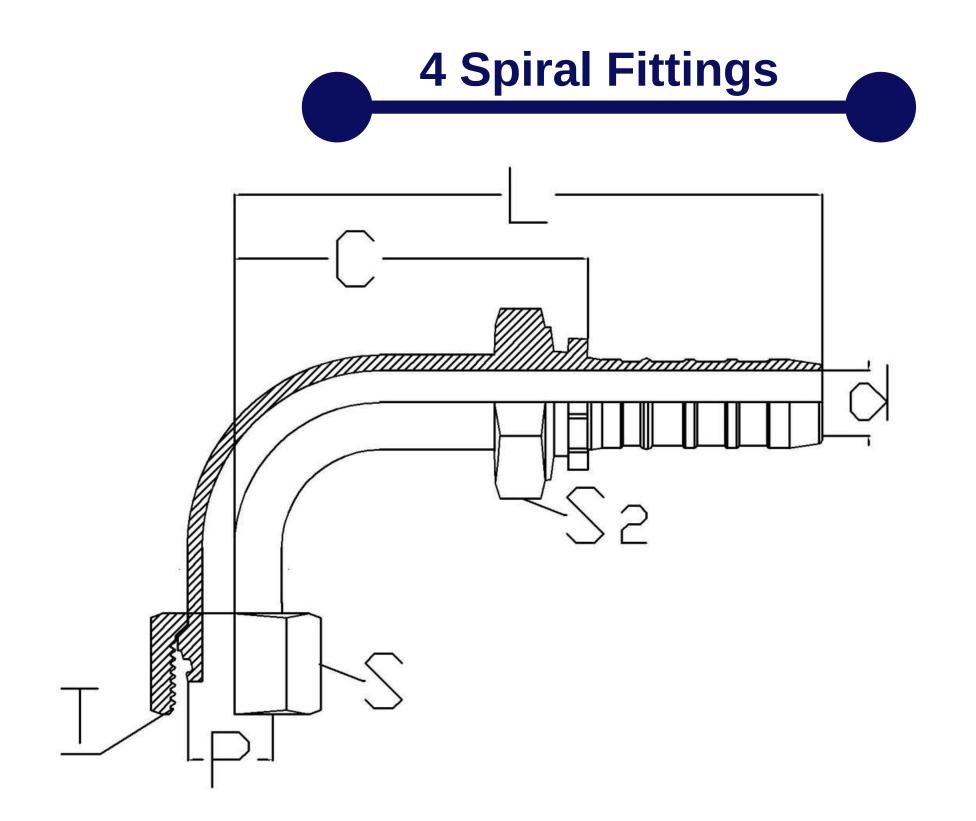
Standard - Din EN ISO 8434-1

O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Pipe OD (P)	Thread (T)	S	L	С	d	D	Н	52
HS-0612-FDHO-90-35	6	3/8	12H	20X1.5	24	76	40	7	32	35	19
HS-0612-FDLO-90-35	6	3/8	12L	18X1.5	22	76	40	7	32	35	19
HS-0815-FDLO-90-45	8	1/2	15L	22X1.5	27	87	48	8	34	45	27
HS-0816-FDHO-90-45	8	1/2	16H	24X1.5	30	89	51	9	34	45	27
HS-0818-FDLO-90-45	8	1/2	18L	26X1.5	32	88	50	9	34	45	27
HS-1016-FDHO-90-55	10	5/8	16H	24X1.5	30	111	61	10	42	55	30
HS-1018-FDLO-90-60	10	5/8	18L	26X1.5	32	113	62	10	42	60	30
HS-1020-FDHO-90-65	10	5/8	20H	30X2.0	36	108	58	10	42	65	30
HS-1218-FDLO-90-65	12	3/4	18L	26X1.5	32	118	70	13	46	65	32
HS-1220-FDHO-90-60	12	3/4	20H	30X2.0	36	126	76	15	46	60	32
HS-1222-FDLO-90-60	12	3/4	22L	30X2.0	36	131	82	15	46	60	32
HS-1225-FDHO-90-70	12	3/4	25H	36X2.0	41	123	73	15	46	70	32
HS-1225-FDHO-90-130	12	3/4	25H	36X2.0	41	123	73	15	46	130	32
HS-1228-FDLO-90-65	12	3/4	28L	36X2.0	41	130	75	14	46	65	32
HS-1625-FDHO-90-80	16	1	25H	36X2.0	41	147	95	18	52	80	41
HS-1628-FDLO-90-75	16	1	28L	36X2.0	41	149	93	21	52	75	41
HS-1630-FDHO-90-85	16	1	30H	42X2.0	50	145	90	18	52	85	41
HS-2030-FDHO-90-100	20	1 - 1/4	30H	42X2.0	50	175	98	21	62	100	50
HS-2035-FDLO-90-85	20	1 - 1/4	35L	45X2.0	50	185	112	26	62	85	50
HS-2038-FDHO-90-90	20	1 - 1/4	38H	52X2.0	60	180	104	23	62	90	50
HS-2438-FDHO-90-130	24	1 - 1/2	38H	52X2.0	60	190	125	39	72	130	55
HS-2442-FDHO-90-120	24	1 - 1/2	42H	52X2.0	60	200	115	31	72	120	55

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

METRIC Female 45 degree bend with O-Ring

Din Metric 24° Cone Female bend 45°

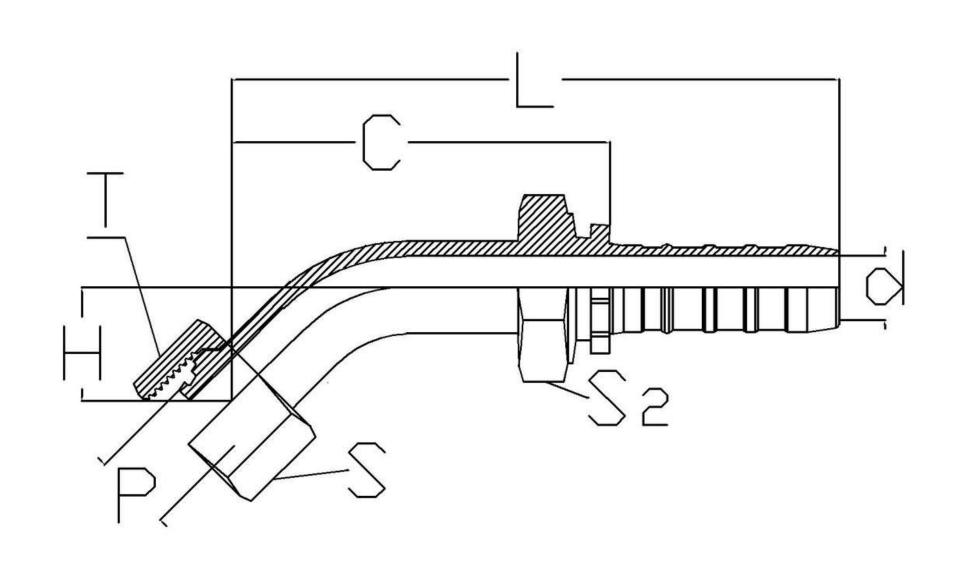
Standard - Din EN ISO 8434-1

O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Pipe OD (P)	Thread (T)	S	L	С	d	D	Н	52
HS-0612-FDHO-45-20	6	3/8	12H	20X1.5	24	86	51	7	32	20	19
HS-0612-FDLO-45-20	6	3/8	12L	18X1.5	22	86	51	7	32	20	19
HS-0815-FDLO-45-22	8	1/2	15L	22X1.5	27	95	57	9	34	22	27
HS-0816-FDHO-45-15	8	1/2	16H	24X1.5	30	91	53	9	34	15	27
HS-0818-FDLO-45-24	8	1/2	18L	26X1.5	32	97	59	53	34	24	27
HS-1016-FDHO-45-26	10	5/8	16H	24X1.5	30	124	74	12	42	26	30
HS-1018-FDLO-45-26	10	5/8	18L	26X1.5	32	122	72	12	42	26	30
HS-1020-FDHO-45-26	10	5/8	20H	30X2.0	36	124	74	12	42	26	30
HS-1218-FDLO-45-30	12	3/4	18L	26X1.5	32	138	87	14	46	30	32
HS-1220-FDHO-45-32	12	3/4	20H	30X2.0	36	140	89	14	46	32	32
HS-1222-FDLO-45-30	12	3/4	22L	30X2.0	36	138	87	14	46	30	32
HS-1225-FDHO-45-22	12	3/4	25H	36X2.0	41	131	31	15	46	22	32
HS-1228-FDLO-45-30	12	3/4	28L	36X2.0	41	138	87	14	46	30	32
HS-1625-FDHO-45-37	16	1	25H	36X2.0	41	152	101	18	52	37	41
HS-1628-FDLO-45-34	16	1	28L	36X2.0	41	157	100	20	52	34	41
HS-1630-FDHO-45-37	16	1	30H	42X2.0	50	161	104	20	52	37	41
HS-2030-FDHO-45-48	20	1 - 1/4	30H	42X2.0	50	202	131	25	62	48	50
HS-2035-FDLO-45-50	20	1 - 1/4	35L	45X2.0	50	204	132	25	62	50	50
HS-2038-FDHO-45-50	20	1 - 1/4	38H	52X2.0	60	204	133	25	62	50	50
HS-2042-FDLO-45-51	20	1 - 1/4	42L	52X2.0	60	204	133	25	62	51	50
HS-2438-FDHO-45-53	24	1 - 1/2	38H	52X2.0	60	216	143	32	72	53	55
HS-2442-FDLO-45-54	24	1 - 1/2	42L	52X2.0	60	218	144	32	72	54	55

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

METRIC Male Straight

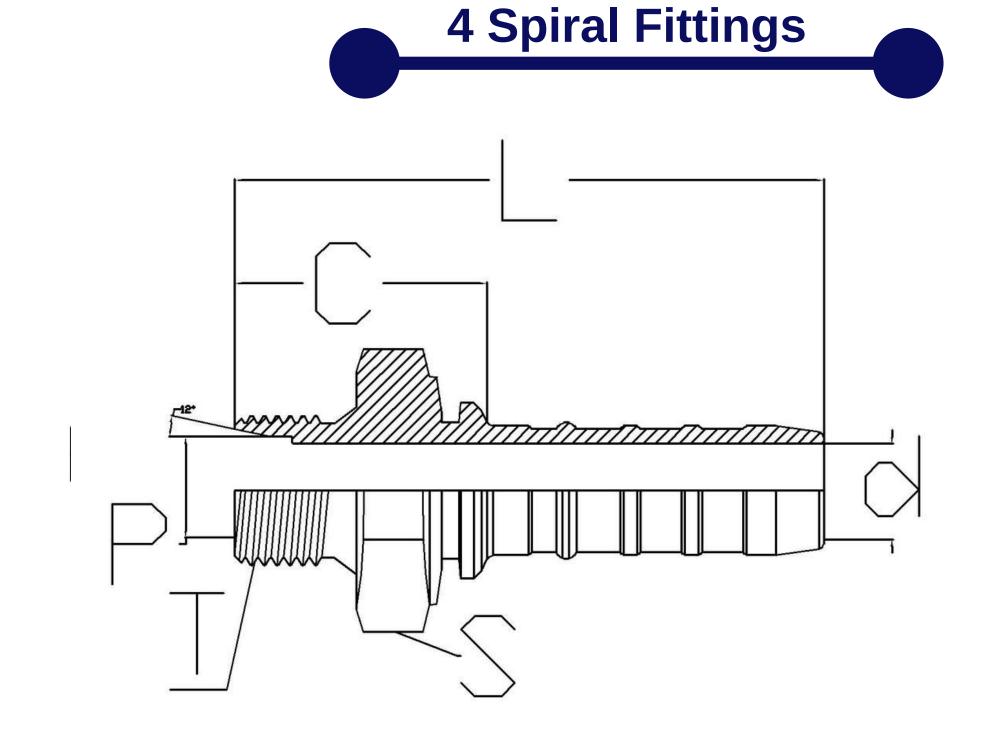
Din Metric 24° Cone Straight Standard - Din EN ISO 8434-1

O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	ď	D
HS-0812-MDH	8	1/2	20X1.5	36	68	31	10	34
HS-0816-MDH	8	1/2	24X1.5	36	71	34	9	34
HS-1016-MDH	10	5/8	24X1.5	36	82	32	12	42
HS-1020-MDH	10	5/8	30X2.0	32	87	36	12	42
HS-1220-MDH	12	3/4	30X2.0	32	88	38	14	46
HS-1222-MDL	12	3/4	30X2.0	32	86	36	14	46
HS-1225-MDH	12	3/4	36X2.0	41	92	42	14	46
HS-1628-MDL	16	1	36X2.0	41	100	43	20	52
HS-1630-MDH	16	1	42X2.0	46	105	47	20	52
HS-2035-MDL	20	1 - 1/4	45X2.0	46	115	44	25	62
HS-2442-MDL	24	1 - 1/2	52X2.0	55	121	48	32	72

^{**} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

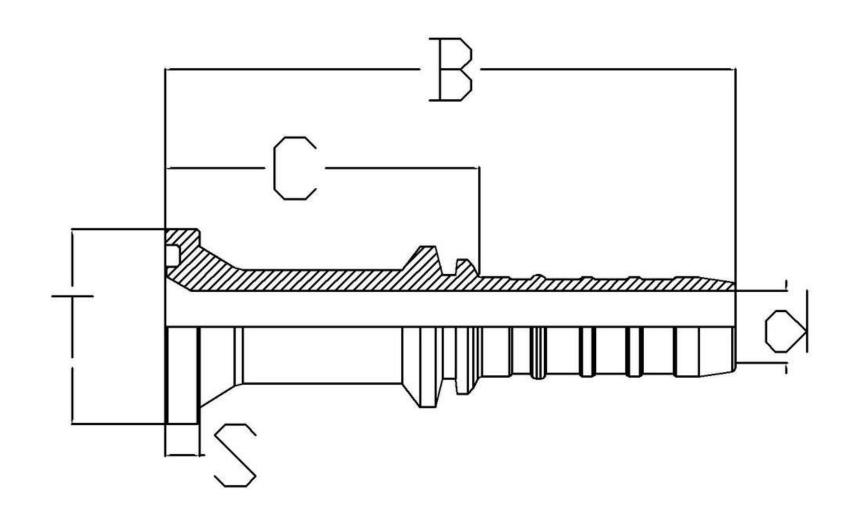


^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

Standard - SAE 6162-1 3000 PSI CODE 61

ORING - NBR**

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D
HS-0808-FL3	8	1/2	30.2	7	93	55	9	34
HS-0812-FL3	8	1/2	38.1	7	87	49	10	34
HS-1008-FL3	10	5/8	30.2	7	102	52	12	42
HS-1012-FL3	10	5/8	38.1	7	110	60	12	42
HS-1212-FL3	12	3/4	38.1	7	111	61	15	46
HS-1216-FL3	12	3/4	44.5	8	112	62	15	46
HS-1612-FL3	16	1	38.1	7	126	68	15	52
HS-1616-FL3	16	1	44.5	8	126	69	20	52
HS-1620-FL3	16	1	50.8	8	127	69	21	52
HS-2016-FL3	20	1 - 1/4	44.5	8	132	61	26	62
HS-2020-FL3	20	1 - 1/4	50.8	8	147	75	26	62
HS-2024-FL3	20	1 - 1/4	60.3	8	150	80	32	62
HS-2424-FL3	24	1 - 1/2	60.3	8	165	95	33	72
HS-2432-FL3	24	1 - 1/2	71.4	10	175	100	33	72
HS-3224-FL3	32	2	60.3	8	170	81	32	85
HS-3232-FL3	32	2	71.4	10	160	69	43	85
HS-3232-FL3-LONG	32	2	71.4	10	180	89	43	85
HS-3240-FL3	32	2	84.1	10	180	88	44	85

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately.



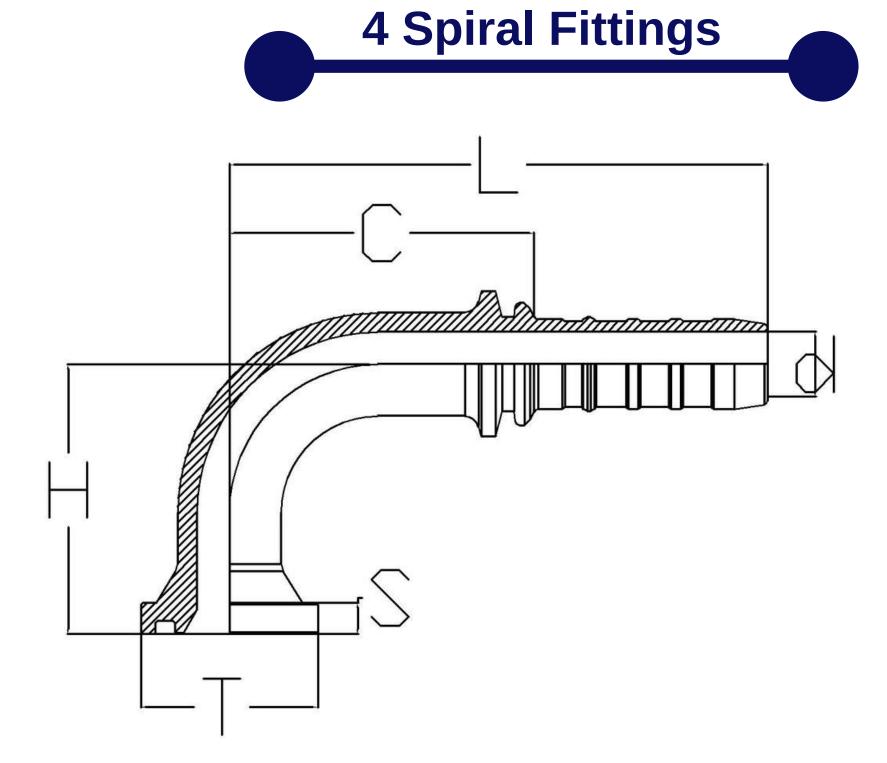
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

Flange Code 61 bend 90 degree

Standard - SAE 6162-1

3000 PSI CODE 61
ORING - NBR**

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HS-0808-FL3-90-100	8	1/2	30.2	7	88	52	9	34	100
HS-0808-FL3-90-140	8	1/2	30.2	7	88	52	9	34	140
HS-0808-FL3-90-45	8	1/2	30.2	7	85	49	9	34	45
HS-0812-FL3-90-50	8	1/2	38.1	7	90	54	10	34	50
HS-1008-FL3-90-45	10	5/8	30.2	7	111	60	10	42	45
HS-1008-FL3-90-65	10	5/8	30.2	7	111	60	10	42	65
HS-1008-FL3-90-120	10	5/8	30.2	7	111	60	10	42	120
HS-1008-FL3-90-150	10	5/8	30.2	7	111	60	10	42	150
HS-1012-FL3-90-60	10	5/8	38.1	7	130	79	12	42	60
HS-1208-FL3-90-120	12	3/4	30.2	7	120	70	12	46	120
HS-1212-FL3-90-65	12	3/4	38.1	7	120	70	15	46	65
HS-1212-FL3-90-100	12	3/4	38.1	7	120	70	15	46	100
HS-1212-FL3-90-130	12	3/4	38.1	7	120	70	15	46	130
HS-1212-FL3-90-143	12	3/4	38.1	7	120	70	15	46	143
HS-1216-FL3-90-70	12	3/4	44.5	8	126	76	15	46	70
HS-1216-FL3-90-110	12	3/4	44.5	8	126	76	15	46	110
HS-1216-FL3-90-130	12	3/4	44.5	8	126	76	15	46	130
HS-1216-FL3-90-150	12	3/4	44.5	8	126	76	15	46	150
HS-1612-FL3-90-65	16	1	38.1	7	128	72	15	52	65
HS-1612-FL3-90-110	16	1	38.1	7	128	72	15	52	110
HS-1616-FL3-90-80	16	1	44.5	8	147	93	21	52	80
HS-1616-FL3-90-115	16	1	44.5	8	147	93	21	52	115
HS-1616-FL3-90-130	16	1	44.5	8	147	93	21	52	130
HS-1616-FL3-90-160	16	1	44.5	8	147	93	21	52	160
HS-1620-FL3-90-85	16	1	50.8	8	130	75	22	52	85
HS-2016-FL3-90-80	20	1 - 1/4	44.5	8	160	85	21	62	80
HS-2020-FL3-90-90	20	1 - 1/4	50.8	8	160	90	25	62	90
HS-2020-FL3-90-95	20	1 - 1/4	50.8	8	170	98	25	62	95
HS-2024-FL3-90-100	20	1 - 1/4	60.3	8	190	115	27	62	100
HS-2424-FL3-90-110	24	1 - 1/2	60.3	8	195	115	28	72	110
HS-2432-FL3-90-100	24	1 - 1/2	71.4	10	200	125	29	72	100
HS-3224-FL3-90-110	32	2	60.3	8	220	125	28	85	110
HS-3232-FL3-90-130	32	2	71.4	10	255	160	38	85	130

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately.



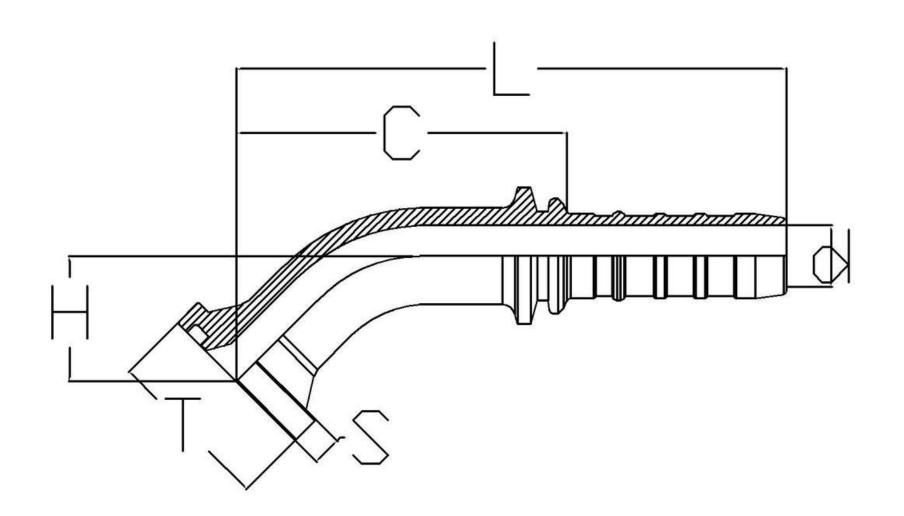
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

Standard - SAE 6162-1

3000 PSI CODE 61

ORING - NBR**

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	Н
HS-0808-FL3-45-24	8	1/2	30.2	7	91	54	9	34	24
HS-0812-FL3-45-26	8	1/2	38.1	7	99	62	9	34	26
HS-1008-FL3-45-23	10	5/8	30.2	7	120	69	12	42	23
HS-1012-FL3-45-35	10	5/8	38.1	7	155	106	12	42	35
HS-1212-FL3-45-27	12	3/4	38.1	7	126	76	14	46	27
HS-1216-FL3-45-31	12	3/4	44.5	8	131	81	14	46	31
HS-1612-FL3-45-31	16	1	38.1	7	137	81	20	52	31
HS-1616-FL3-45-33	16	1	44.5	8	142	85	21	52	33
HS-1620-FL3-45-36	16	1	50.8	8	149	92	20	52	36
HS-2016-FL3-45-39	20	1 - 1/4	44.5	8	170	99	32	62	39
HS-2020-FL3-45-38	20	1 - 1/4	50.8	8	190	105	27	62	38
HS-2024-FL3-45-47	20	1 - 1/4	60.3	8	197	126	32	62	47
HS-2424-FL3-45-42	24	1 - 1/2	60.3	8	190	116	28	72	42
HS-2432-FL3-45-50	24	1 - 1/2	71.4	10	230	160	32	72	50
HS-3224-FL3-45-47	32	2	60.3	8	222	131	44	85	47
HS-3232-FL3-45-68	32	2	71.4	10	265	173	44	85	68
HS-3232-FL3-30-30	32	2	71.4	10	215	123	42	85	30

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately.



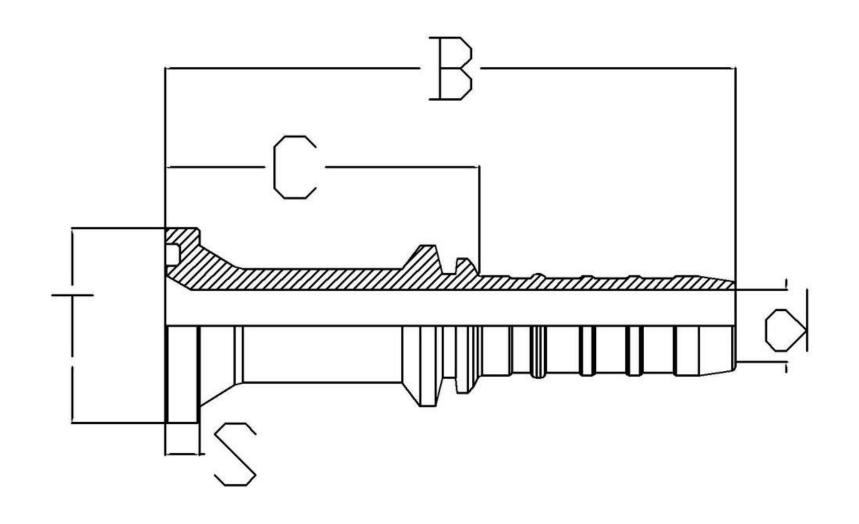
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

Standard - SAE 6162-1

6000 PSI CODE 62

ORING - NBR**

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HS-0808-FL6	8	1/2	31.8	8	95	57	11	34
HS-1008-FL6	10	5/8	31.8	8	103	53	12	42
HS-1012-FL6	10	5/8	41.3	9	111	61	12	42
HS-1212-FL6	12	3/4	41.3	9	112	62	15	46
HS-1216-FL6	12	3/4	47.6	10	115	65	15	46
HS-1612-FL6	16	1	41.3	9	126	68	15	52
HS-1616-FL6	16	1	47.6	10	126	69	21	52
HS-1620-FL6	16	1	54	11	127	69	21	52
HS-2016-FL6	20	1 - 1/4	47.6	10	134	62	26	62
HS-2020-FL6	20	1 - 1/4	54	11	147	76	26	62
HS-2024-FL6	20	1 - 1/4	63.5	13	152	81	32	62
HS-2420-FL6	24	1 - 1/2	54	11	150	75	32	72
HS-2424-FL6	24	1 - 1/2	63.5	13	170	95	34	72
HS-2432-FL6	24	1 - 1/2	79.4	13	155	82	33	72
HS-3232-FL6	32	2	79.4	13	182	89	43	85

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately.



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

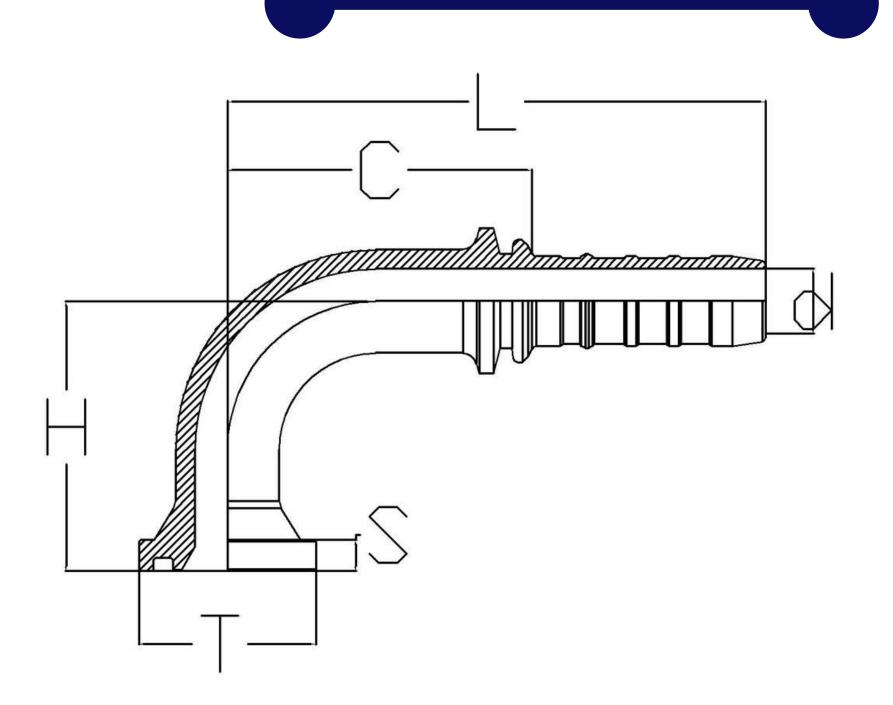
Flange Code 62 bend 90 degree

Standard - SAE 6162-1 6000 PSI CODE 62

ORING - NBR**

Used for hose type -

4SP,4SH, R12, R13*, R15*



4 Spiral Fittings

DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HS-0808-FL6-90-45	8	1/2	31.8	8	86	48	10	34	45
HS-0808-FL6-90-100	8	1/2	31.8	8	86	48	10	34	100
HS-1012-FL6-90-70	10	5/8	41.3	9	130	80	13	42	70
HS-1012-FL6-90-100	10	5/8	41.3	9	130	80	13	42	100
HS-1212-FL6-90-65	12	3/4	41.3	9	119	68	15	46	65
HS-1212-FL6-90-100	12	3/4	41.3	9	119	68	15	46	100
HS-1212-FL6-90-125	12	3/4	41.3	9	119	68	15	46	125
HS-1216-FL6-90-85	12	3/4	47.6	10	124	75	15	46	85
HS-1216-FL6-90-110	12	3/4	47.6	10	124	75	15	46	110
HS-1612-FL6-90-75	16	1	41.3	9	125	70	15	52	75
HS-1612-FL6-90-110	16	1	41.3	9	125	70	15	52	110
HS-1612-FL6-90-125	16	1	41.3	9	125	70	15	52	125
HS-1616-FL6-90-75	16	1	47.6	10	140	85	20	52	75
HS-1616-FL6-90-120	16	1	47.6	10	140	85	20	52	120
HS-1616-FL6-90-140	16	1	47.6	10	140	85	20	52	140
HS-1616-FL6-90-180	16	1	47.6	10	140	85	20	52	180
HS-1620-FL6-90-85	16	1	54	11	140	85	21	52	85
HS-1620-FL6-90-110	16	1	54	11	140	85	21	52	110
HS-1620-FL6-90-130	16	1	54	11	140	85	21	52	130
HS-1620-FL6-90-180	16	1	54	11	140	85	21	52	180
HS-2016-FL6-90-80	20	1 - 1/4	47.6	10	155	85	21	62	80
HS-2016-FL6-90-110	20	1 - 1/4	47.6	10	155	85	21	62	110
HS-2020-FL6-90-95	20	1 - 1/4	54	11	165	95	26	62	95
HS-2020-FL6-90-120	20	1 - 1/4	54	11	165	95	26	62	120
HS-2020-FL6-90-150	20	1 - 1/4	54	11	165	95	26	62	150
HS-2020-FL6-90-180	20	1 - 1/4	54	11	165	95	26	62	180
HS-2024-FL6-90-100	20	1 - 1/4	63.5	13	195	120	27	62	100
HS-2420-FL6-90-100	24	1 - 1/2	54	11	185	112	28	72	100
HS-2424-FL6-90-100	24	1 - 1/2	63.5	13	195	120	29	72	100
HS-2424-FL6-90-150	24	1 - 1/2	63.5	13	195	120	29	72	150
HS-2424-FL6-90-200	24	1 - 1/2	63.5	13	195	120	29	72	200
HS-2432-FL6-90-120	24	1 - 1/2	79.4	13	200	130	27	72	120
HS-3232-FL6-90-130	32	2	79.4	13	270	175	41	85	130

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately.



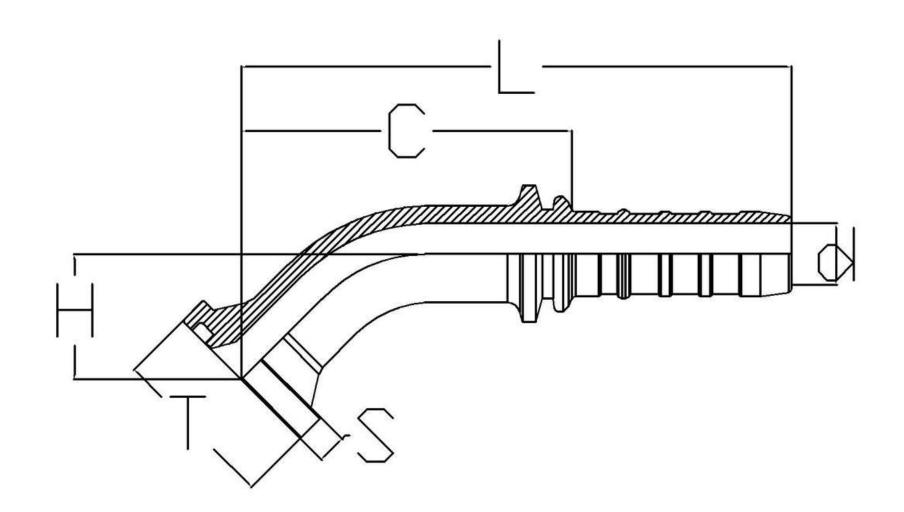
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

Standard - SAE 6162-1

6000 PSI CODE 62

ORING - NBR**

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	H
HS-0808-FL6-45-25	8	1/2	31.8	8	93	55	9	34	25
HS-1012-FL6-45-34	10	5/8	41.3	9	135	85	12	42	34
HS-1212-FL6-45-31	12	3/4	41.3	9	130	79	14	46	31
HS-1216-FL6-45-32	12	3/4	47.6	10	132	81	14	46	32
HS-1612-FL6-45-32	16	1	41.3	9	138	81	20	52	32
HS-1616-FL6-45-33	16	1	47.6	10	146	91	22	52	33
HS-1620-FL6-45-38	16	1	54.0	11	155	100	21	52	38
HS-2020-FL6-45-40	20	1 - 1/4	54.0	11	195	120	26	62	40
HS-2424-FL6-45-49	24	1 - 1/2	63.5	13	215	140	29	72	49
HS-3232-FL6-45-67	32	2	79.4	13	250	170	39	85	67

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately.



^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

JIS Female straight

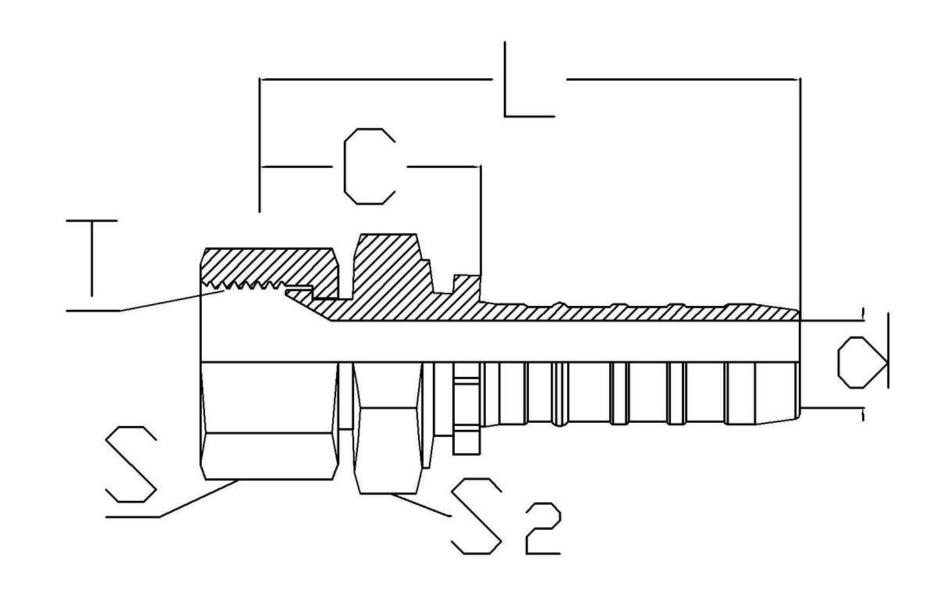
4 Spiral Fittings

Standard - BSP Inverted C-Type

Cone - 60°

Used for hose type -

4SP,4SH,R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	S2
HS-0808-FBJ	8	1/2	1/2-14BSP	27	63	26	9	34	27
HS-1616-FBJ	16	1	1-11BSP	41	95	38	18	52	41
HS-1620-FBJ	16	1	1.1/4-11BSP	50	99	43	18	52	41
HS-3232-FBJ	32	2	2-11BSP	70	146	56	43	85	70

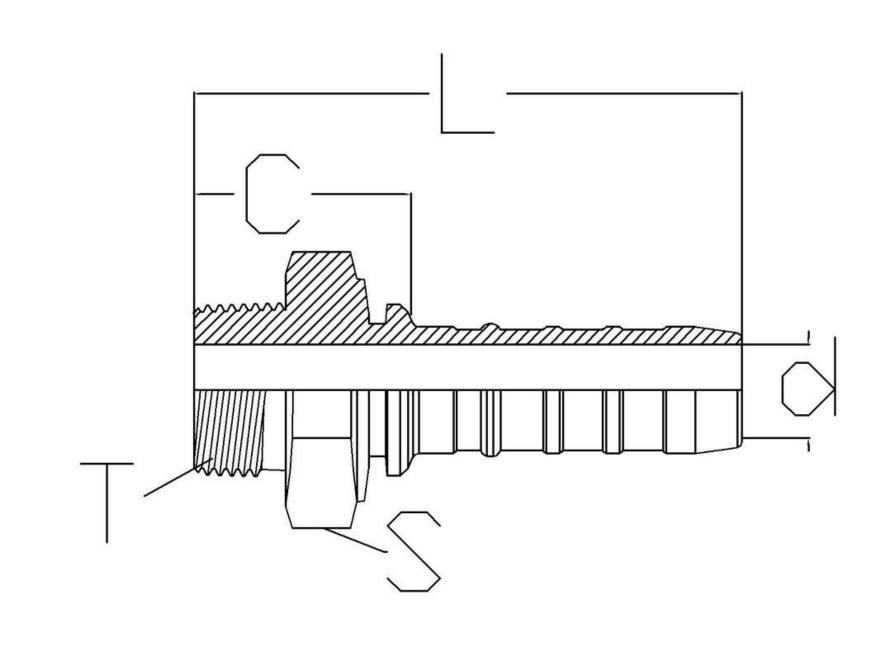
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

NPT Male Straight

Standard - ANSI/ASME B1.20.I

Cone - 60°

Used for hose type:



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HS-0808-MNPT	8	1/2	1/2 - 14	24	72	35	9	34
HS-1212-MNPT	12	3/4	3/4 - 14	27	85	35	15	46
HS-1616-MNPT	16	1	1-11.1/2	36	103	46	21	52
HS-2020-MNPT	20	1 - 1/4	1.1/4 - 11.1/2	46	121	50	26	62
HS-2424-MNPT	24	1 - 1/2	1.1/2 - 11.1/2	50	125	51	32	72
HS-3232-MNPT	32	2	2-11.1/2	65	140	54	42	85

^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)



KOMATSU Female Straight

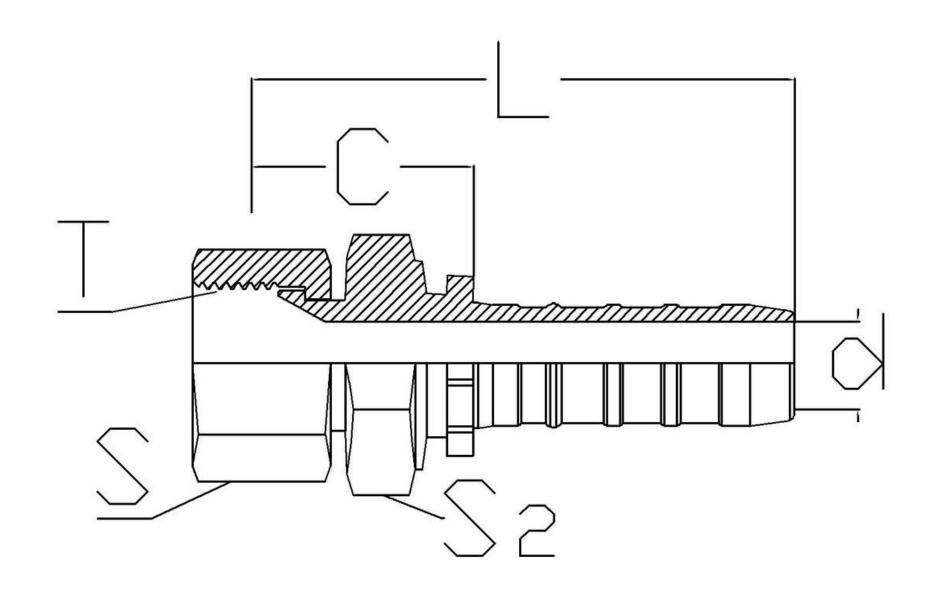
4 Spiral Fittings

Standard - Komatsu

Cone - 60°

Used for hose type -

4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	La Constant	C	d	D	S2
HS-0808-FK	8	1/2	22X1.5	27	60	25	10	34	27
HS-1010-FK	10	5/8	24X1.5	32	80	31	12	42	30
HS-1212-FK	12	3/4	30X1.5	36	84	37	14	46	32
HS-1616-FK	12	3/4	33X1.5	41	94	42	18	52	32

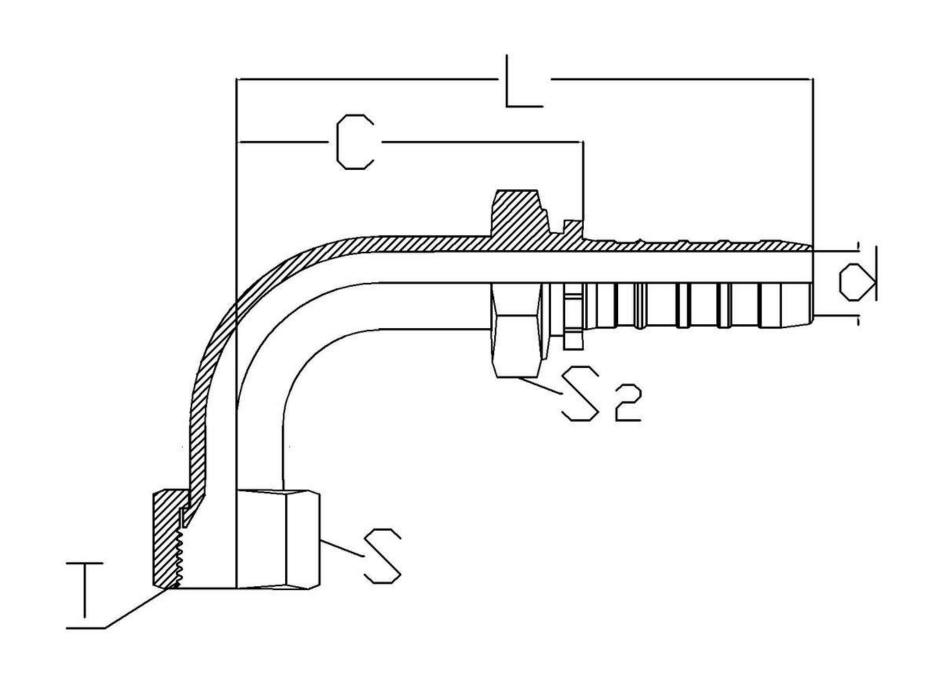
^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)

KOMATSU Female 90 degree bend

Standard - Komatsu

Cone - 60°

Used for hose type -



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н	S2
HS-0808-FK-90-35	8	1/2	22X1.5	27	86	47	7	34	35	27
HS-1010-FK-90-40	10	5/8	24X1.5	32	104	53	9	42	40	30
HS-1212-FK-90-65	12	3/4	30X1.5	36	123	75	15	46	65	32

^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)



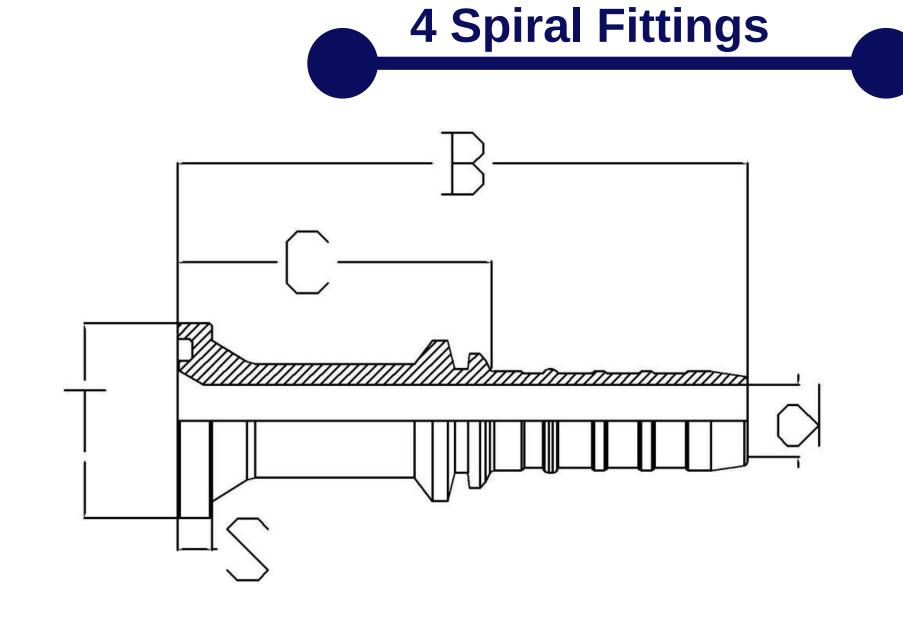
Flange Caterpillar Straight

FLANGE FOR CATERPILLAR

O-Ring - NBR**

Used for hose type -

4SP, 4SH, R12, R13*, R15*, 6Sp



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HS-1212-FLC	12	3/4	41.3	9	146	95	15	46
HS-1216-FLC	12	3/4	47.6	10	146	96	16	46
HS-1616-FLC	16	1	47.6	10	150	99	21	52
HS-1620-FLC	16	1	54.0	11	132	74	21	52
HS-2020-FLC	20	1 - 1/4	54.0	11	146	75	26	62
HS-2424-FLC	24	1 - 1/2	63.5	13	185	110	33	72

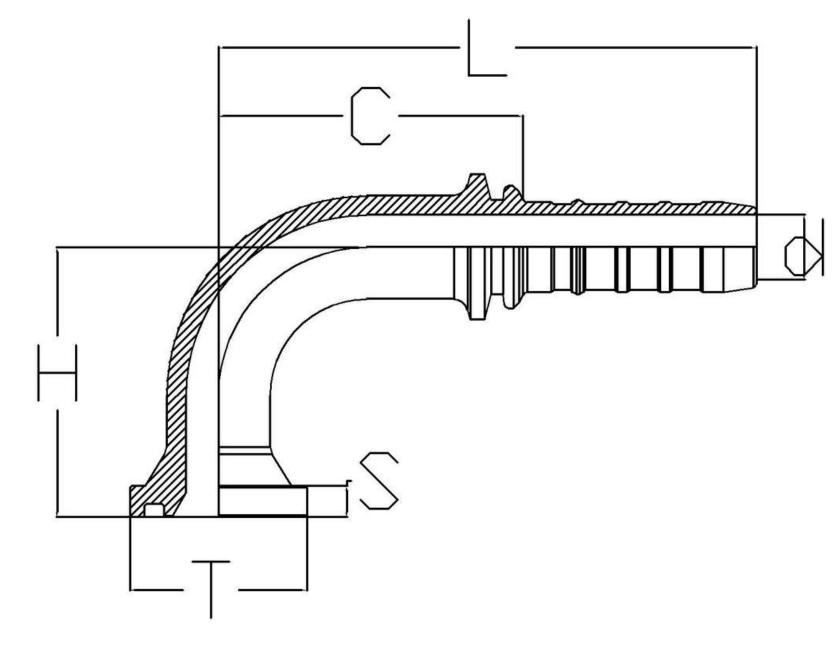
^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately.

Flange Caterpillar 90 degree bend

FLANGE FOR CATERPILLAR

O-Ring - NBR**

Used for hose type -



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HS-1212-FLC-90-70	12	3/4	41.3	9	121	69	15	46	70
HS-1216-FLC-90-85	12	3/4	47.6	10	125	70	14	46	85
HS-1616-FLC-90-75	16	1	47.6	10	152	96	21	52	75
HS-1616-FLC-90-110	16	1	47.6	10	140	82	21	52	110
HS-1620-FLC-90-90	16	1	54.0	11	150	95	21	52	90
HS-1620-FLC-90-100	16	1	54.0	11	140	83	21	52	100
HS-2020-FLC-90-100	20	1 - 1/4	54.0	11	175	100	27	62	100
HS-2020-FLC-90-105	20	1 - 1/4	54.0	11	170	98	27	62	105
HS-2424-FLC-90-110	24	1 - 1/2	63.5	13	190	120	28	72	110

^{**} O-Ring is not a part of the flange, it is ordered and invoiced separately.

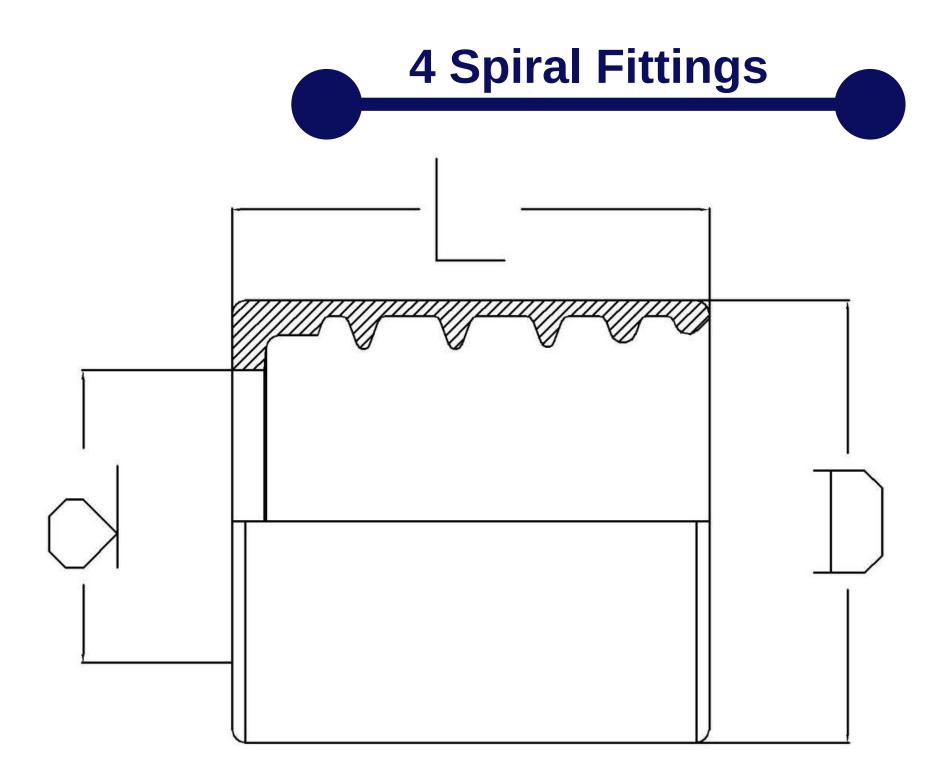
^{*} R13, R15 are only upto 1" size (to higher sizes go to section 6 spiral fittings)



^{*} R13, R15 are only upto 1" size (to higher sizes go to section 6 spiral fittings)

Ferrule

Ferrule - Cap - Socket
Used for hose type 4SP, 4SH, R12, R13*, R15*



DESCRIPTION	HOSE ID (DASH)	HOSE ID (inch)	L	d	D
06FSP01	6	3/8	36	19	32
08FSP01	8	1/2	37	23	34
10FSP01	10	5/8	48	27	42
12FSP01	12	3/4	51	30	46
16FSP01	16	1	56	36	52
20FSP01	20	1 - 1/4	68	48	62
24FSP01	24	1 - 1/2	77	54	72
32FSP01	32	2	91	66	85

^{*} R13, R15 are only upto 1" size (for higher sizes go to section 6 spiral fittings)







BSP Female Straight

6 Spiral Fittings

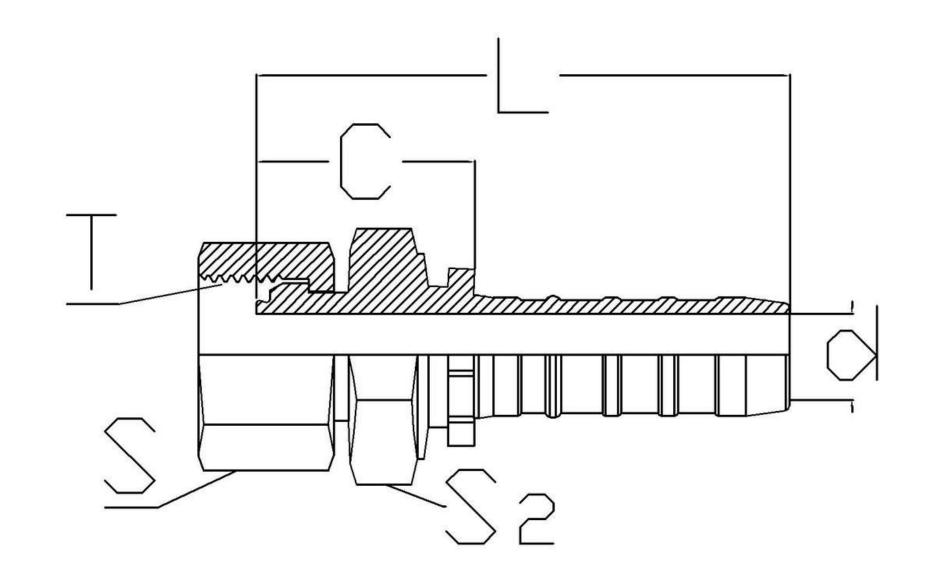
Standard - ISO 8434-6

Cone - 60°

O- Ring - NBR*

Used for hose type -

6 SPIRAL HOSES, R13, R15



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	C	70	D	S2
HS-2020-FB-6SP	20	1 - 1/4	1.1/4-11BSP	50	119	47	26	68	50
HS-2424-FB-6SP	24	1 - 1/2	1.1/2-11BSP	55	147	53	32	76	55
HS-3232-FB-6SP	32	2	2-11BSP	70	175	62	43	90	70

^{*} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring

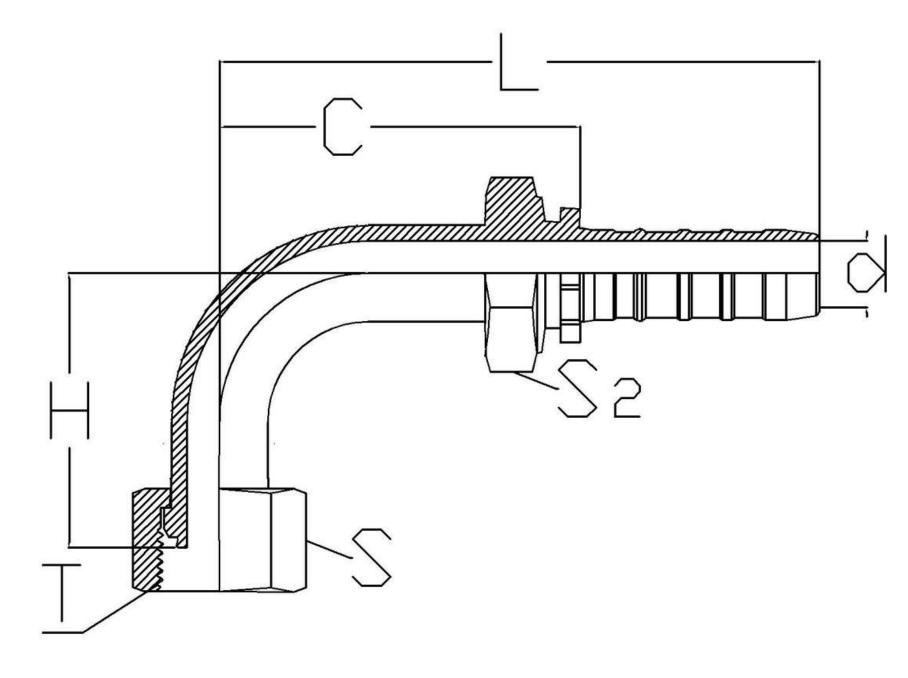
BSP Female 90 degree bend

Standard - ISO 8434-6

Cone - 60°

O- Ring - NBR*

Used for hose type -



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н	S2
HS-2020-FB-90-95-6SP	20	1 - 1/4	1.1/4-11BSP	50	140	108	24	68	95	50
HS-2424-FB-90-100-6SP	24	1 - 1/2	1.1/2-11BSP	55	230	135	26	76	100	55
HS-3232-FB-90-130-6SP	32	2	2-11BSP	70	285	175	38	90	130	70

^{*} If part number contains FBO, the fitting is with O-Ring and if it contains FB, it is without O-Ring



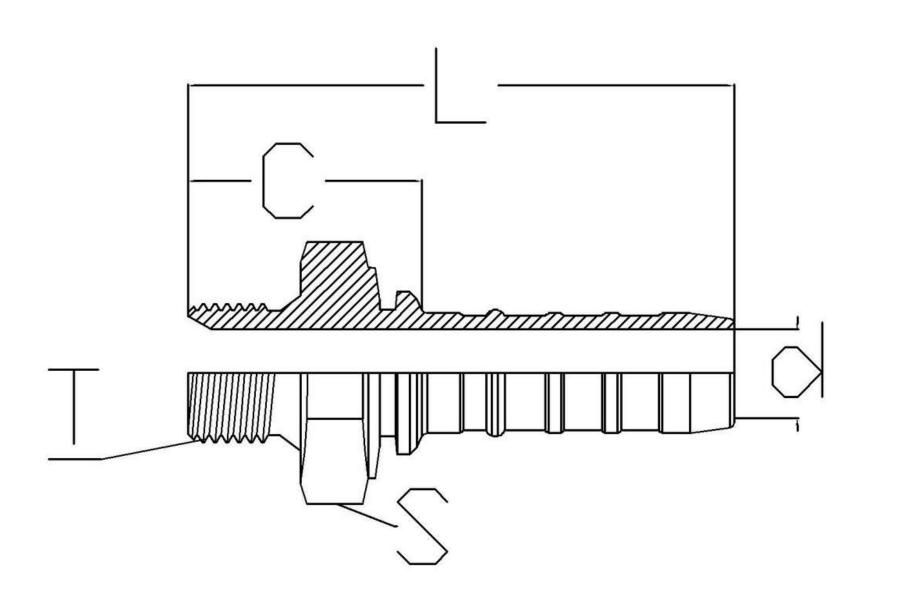
BSP Male Straight

6 Spiral Fittings

Standard - ISO 8434-6

Cone - 60°

Used for hose type -



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HS-2424-MB-6SP	24	1 - 1/2	1.1/2-11BSP	55	150	54	33	76
HS-3232-MB-6SP	32	2	2-11BSP	70	181	65	42	90



JIC Female Straight

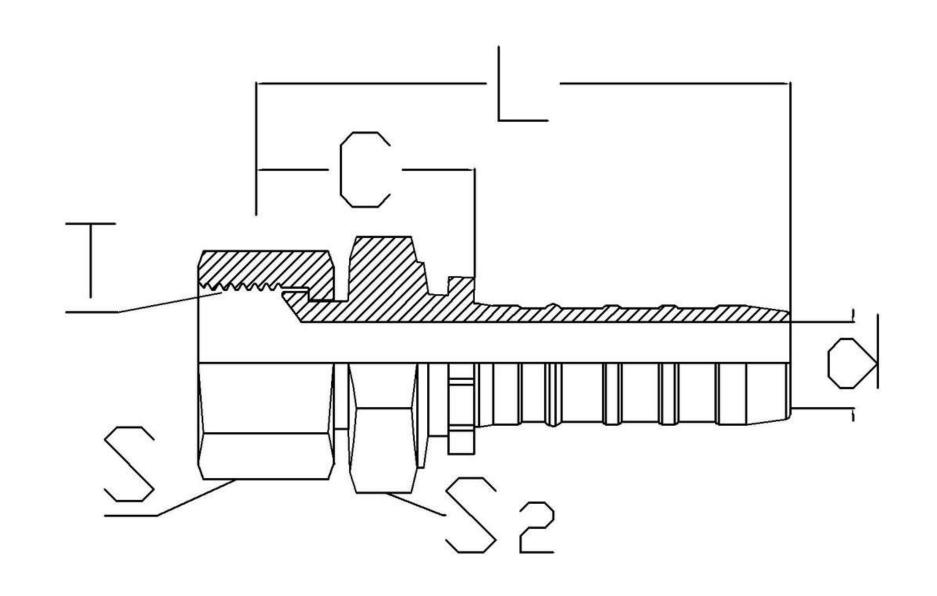
6 Spiral Fittings

Standard - ISO 8434-2

Cone - 37°

Used for hose type -

6 SPIRAL HOSES, R13, R15



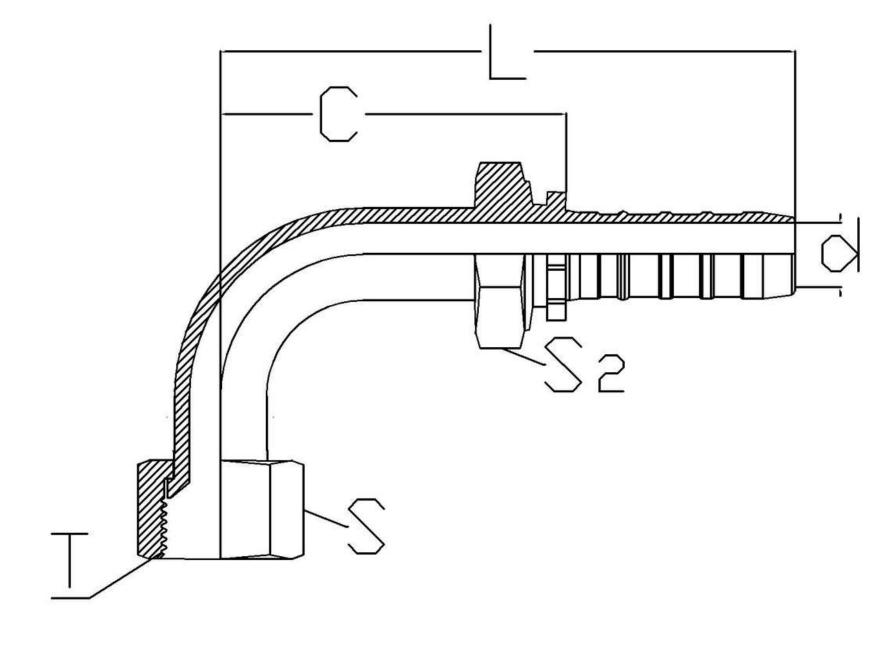
Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	S2
HS-2020-FJ-6SP	20	1 - 1/4	1.5/8-12UN	50	118	46	26	68	50
HS-3232-FJ-6SP	32	2	2.1/2-12UN	75	170	59	43	90	70

JIC Female 90 degree bend

Standard - ISO 8434-2

Cone - 37°

Used for hose type -



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н	S2
HS-2020-FJ-90-90-6SP	20	1 - 1/4	1.5/8-12UN	50	185	111	23	68	90	50
HS-3232-FJ-90-130-6SP	32	2	2.1/2-12UN	75	290	180	38	90	130	70



ORFS Female Straight

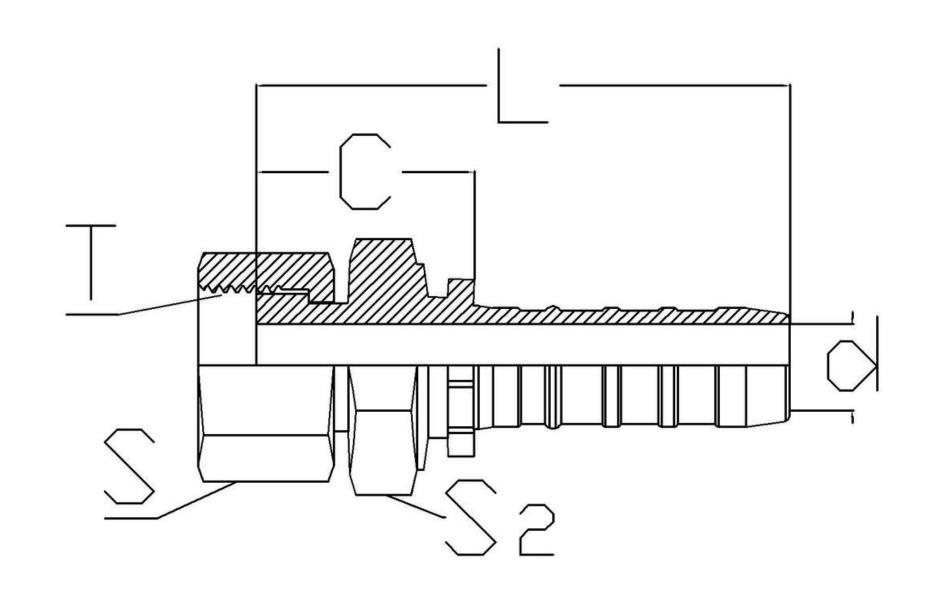
6 Spiral Fittings

Standard - ISO 8434-3

Cone - Flat face

Used for hose type -

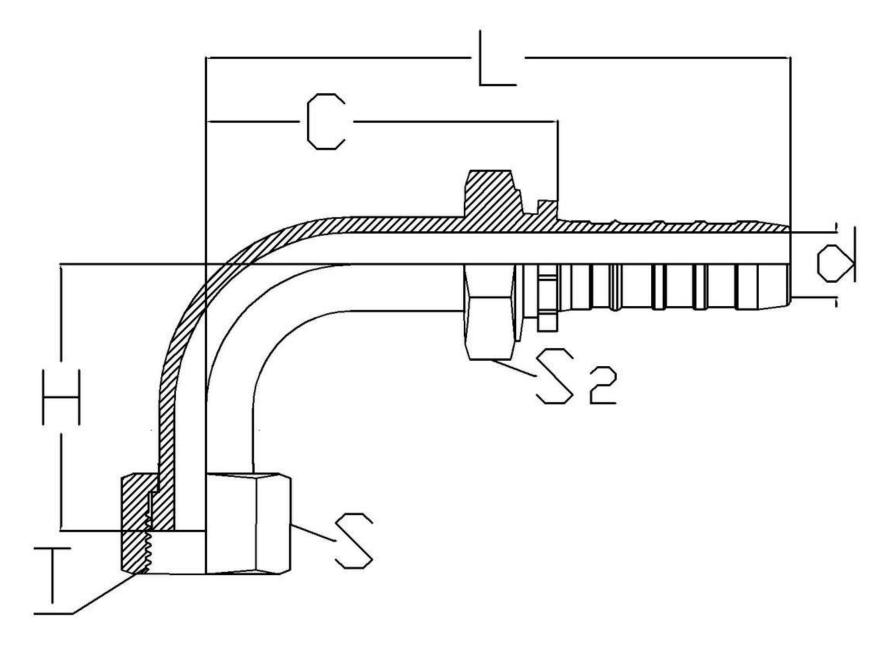
6 SPIRAL HOSES, R13, R15



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	S2
HS-2020-FO-6SP	20	1 - 1/4	1.11/16 12UN	50	128	57	26	68	50
HS-2424-FO-6SP	24	1 - 1/2	2-12UN	60	150	52	32	76	55

ORFS Female 90 degree bend

Standard - ISO 8434-3 Cone - Flat face Used for hose type -



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	C	d	D	Н	S2
HS-2020-FO-90-90-6SP	20	1 - 1/4	1.11/16 12UN	50	175	115	23	68	90	50
HS-2424-FO-90-100-6SP	24	1 - 1/2	2-12UN	60	230	135	27	76	100	55



METRIC Female Straight with O-Ring

Din Metric 24° Cone Female Straight

Standard - Din EN ISO 8434-1

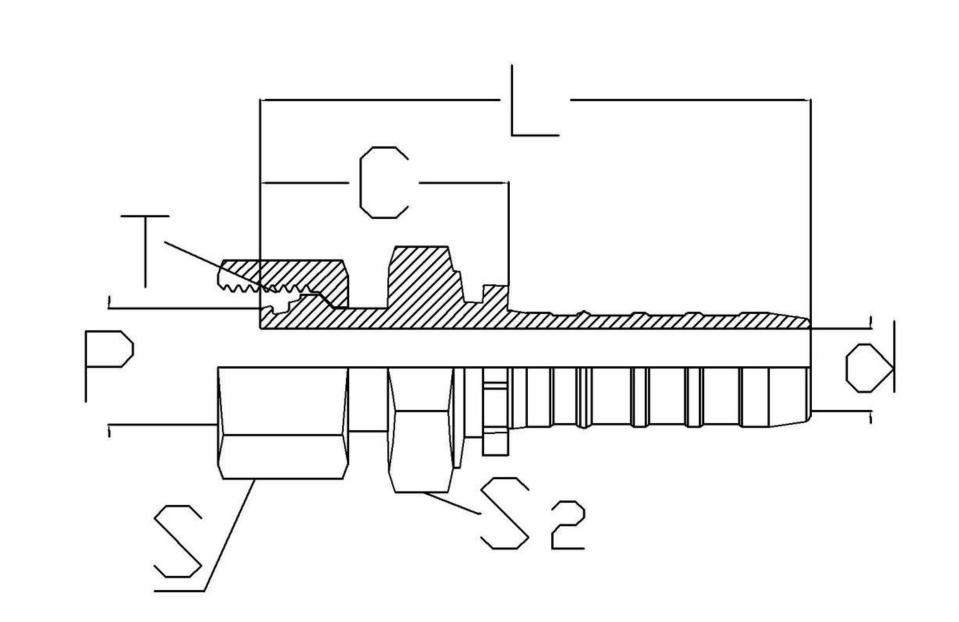
O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -

6 SPIRAL HOSES, R13, R15



6 Spiral Fittings

Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н	S2
HS-2035-FDLO-6SP	20	1 - 1/4	35L	45X2.0	50	134	51	27	68	50
HS-2038-FDHO-6SP	20	1 - 1/4	38H	52X2.0	60	142	61	26	68	50
HS-2438-FDHO-6SP	24	1 - 1/2	38H	52X2.0	60	175	66	28	76	55

METRIC Female 90 degree bend with O-Ring

Din Metric 24° Cone Female bend 90°

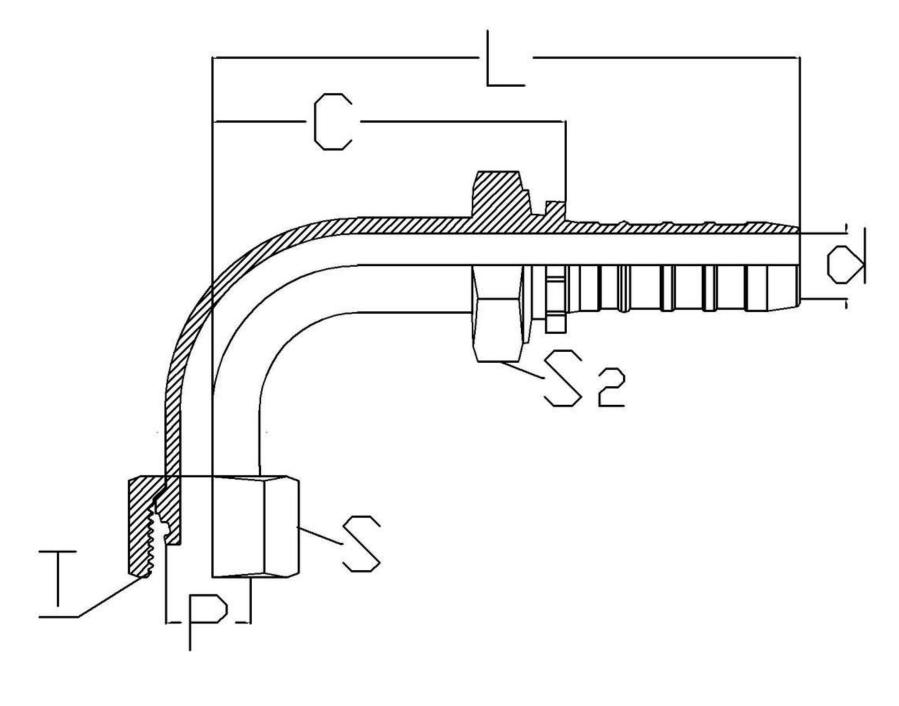
Standard - Din EN ISO 8434-1

O-ring - NBR

Light series - FDLO

Heavy series - FDHO

Used for hose type -



Description	HOSE ID (Dash)	HOSE ID (inch)	Pipe OD (P)	Thread (T)	S	L	С	d	D	Н	S2
HS-2035-FDLO-90-85-6SP	20	1 1/4	35L	45X2.0	50	185	112	26	68	85	50
HS-2038-FDHO-90-90-6SP	20	1 1/4	38H	52X2.0	60	180	104	23	68	90	50
HS-2438-FDHO-90-110-6SP	24	1 1/2	38H	52X2.0	60	225	130	28	72	110	55



Flange Code 61 Straight

6 Spiral Fittings

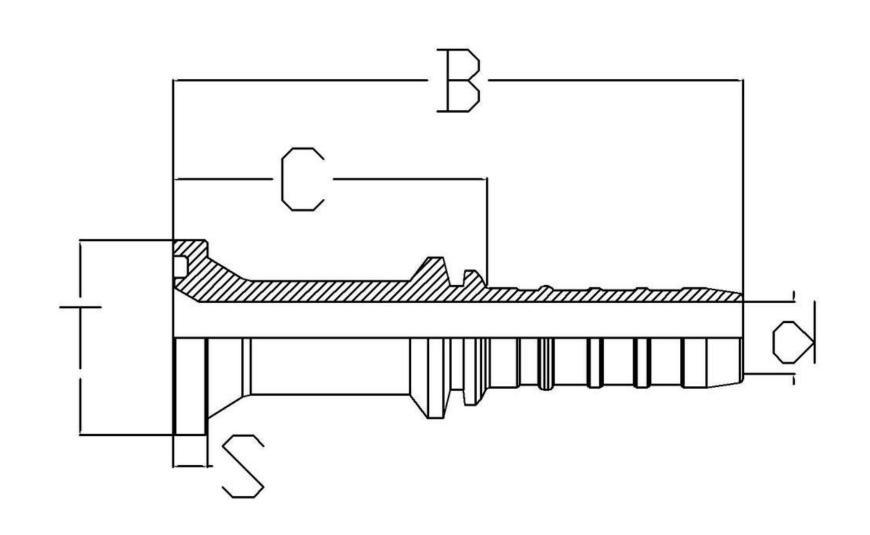
Standard - SAE 6162-1

3000 PSI CODE 61

ORING - NBR*

Used for hose type -

6 SPIRAL HOSES, R13, R15



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	C	d	D
HS-2020-FL3-6SP	20	1 - 1/4	50.8	8	147	76	26	68
HS-3232-FL3-6SP	32	2	71.4	10	230	24	44	90

^{*} O-Ring is not a part of the flange, it is ordered and invoiced seperately.

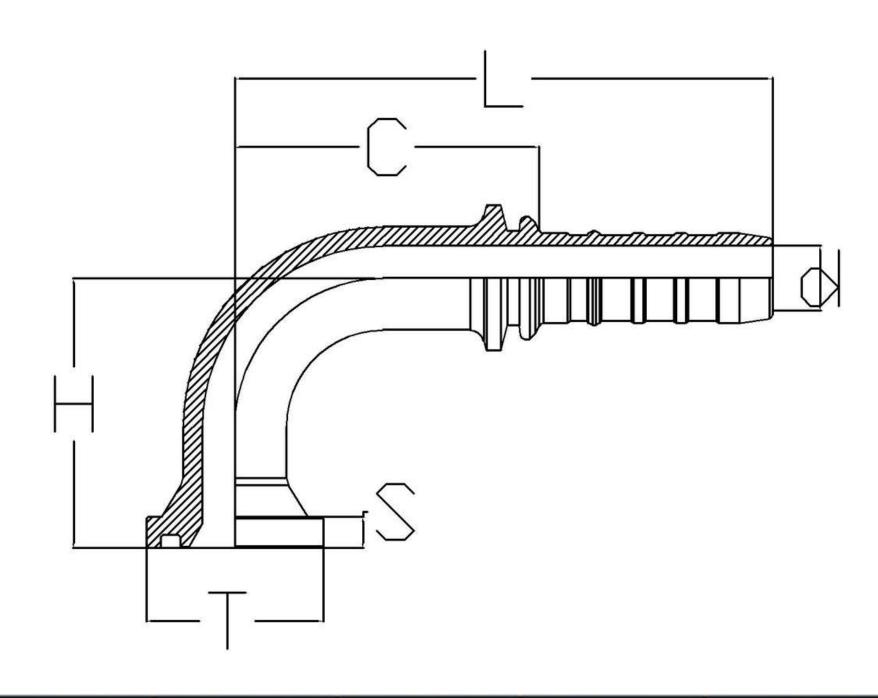
Flange Code 61 bend 90/45 degree

Standard - SAE 6162-1

3000 PSI CODE 61

ORING - NBR*

Used for hose type -



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S		С	d	D	Н
HS-2020-FL3-90-90-6SP	20	1 - 1/4	50.8	8	170	95	26	68	90
HS-3232-FL3-90-130-6SP	32	2	71.4	10	265	155	39	85	130
HS-3232-FL3-45-60-6SP	32	2	71.4	10	230	190	40	90	60

^{*} O-Ring is not a part of the flange, it is ordered and invoiced seperately



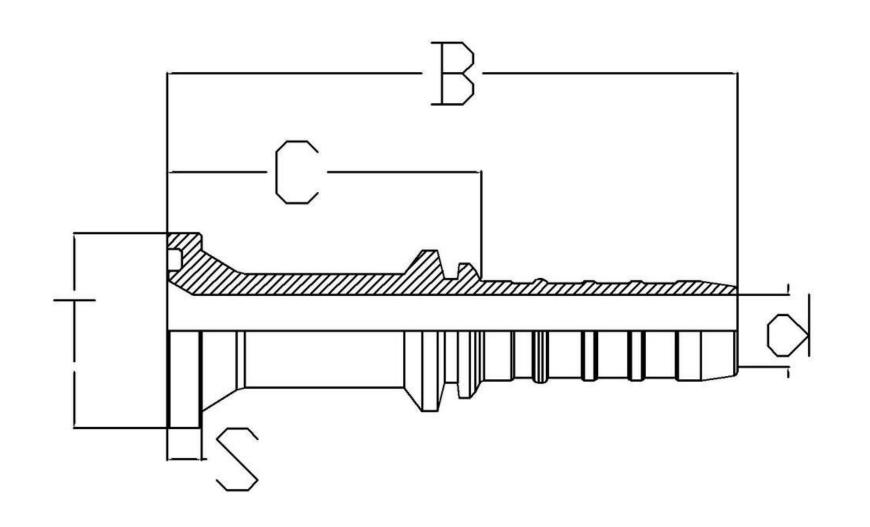
Standard - SAE 6162-1

6000 PSI CODE 62

O RING - NBR*

Used for hose type -

6 SPIRAL HOSES, R13, R15



Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D
HS-2016-FL6-6SP	20	1 - 1/4	47.6	10	134	62	26	68
HS-2020-FL6-6SP	20	1 - 1/4	54	11	147	76	26	68
HS-2420-FL6-6SP	24	1 - 1/2	54	11	165	75	32	76
HS-2424-FL6-6SP	24	1 - 1/2	63.5	13	195	100	33	76
HS-2432-FL6-6SP	24	1 - 1/2	79.4	13	175	80	32	76
HS-3232-FL6-6SP	32	2	79.4	13	250	136	44	90

^{*} O-Ring is not a part of the flange, it is ordered and invoiced seperately

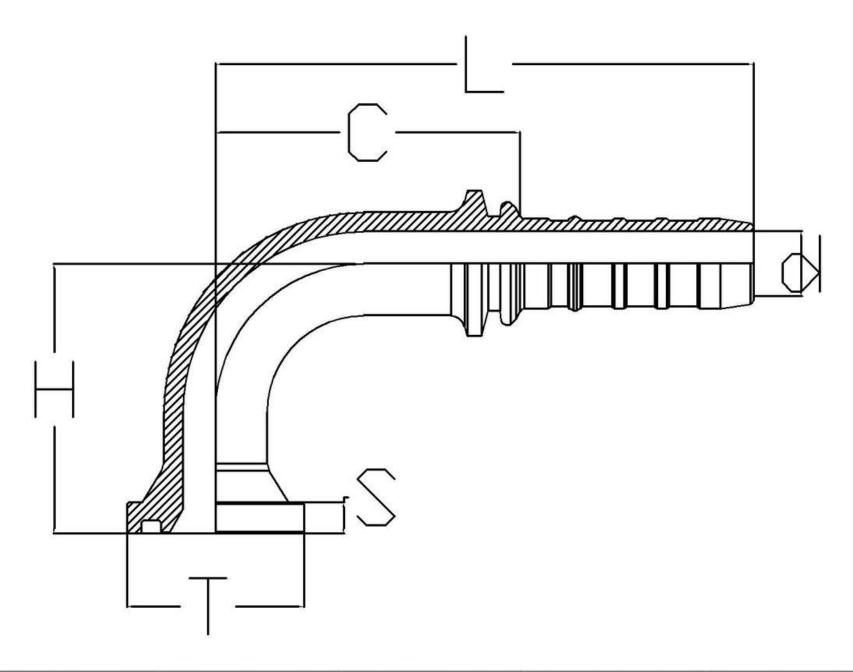
Flange Code 62 90/45 degree bend

Standard - SAE 6162-1

6000 PSI CODE 62

ORING - NBR*

Used for hose type -



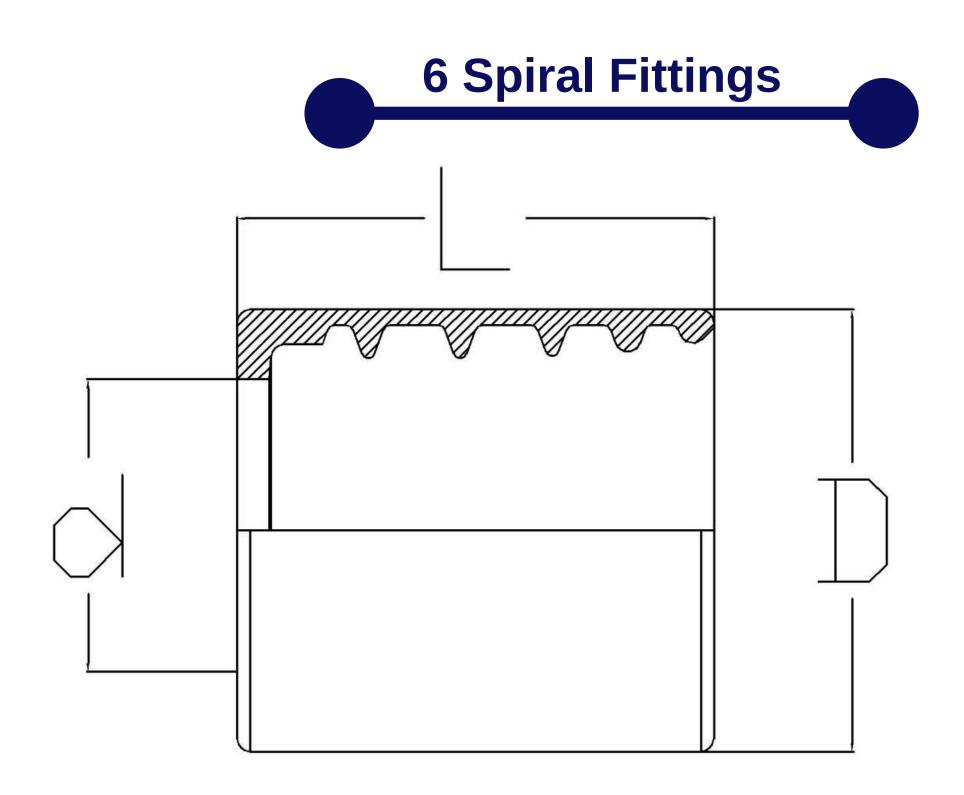
Description	HOSE ID (Dash)	HOSE ID (inch)	Thread (T)	S	L	С	d	D	Н
HS-2016-FL6-90-85-6SP	20	1 - 1/4	47.6	10	160	90	21	68	85
HS-2020-FL6-90-120-6SP	20	1 - 1/4	54	11	165	95	26	68	120
HS-2020-FL6-90-150-6SP	20	1 - 1/4	54	11	165	95	26	68	150
HS-2020-FL6-90-180-6SP	20	1 - 1/4	54	11	180	110	26	68	180
HS-2020-FL6-90-95-6SP	20	1 - 1/4	54	11	170	95	26	68	95
HS-2420-FL6-90-95-6SP	24	1 - 1/2	54	11	190	95	26	76	95
HS-2424-FL6-90-100-6SP	24	1 - 1/2	63.5	13	220	120	28	76	100
HS-2432-FL6-90-110-6SP	24	1 - 1/2	79.4	13	235	130	27	76	110
HS-3232-FL6-90-140-6SP	32	2	79.4	13	285	180	43	90	140
HS-2020-FL6-45-40-6SP	20	1 - 1/4	54.0	11	195	120	26	62	40
HS-2424-FL6-45-46-6SP	24	1 - 1/2	63.5	13	230	150	31	76	46
HS-3232-FL6-45-50-6SP	32	2	79.4	13	275	160	42	90	50

^{*} O-Ring is not a part of the flange, it is ordered and invoiced seperately



Ferrule

Ferrule - Cap - Socket
Used for hose type6 SPIRAL HOSES, R13, R15



Description	HOSE ID (Dash)	HOSE ID (inch)		d	D
20FSP01-6SP	20	1 1/4	73	49	68
24FSP01-6SP	24	1 1/2	92	54	76
32FSP01-6SP	32	2	110	65	90







Contact



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