

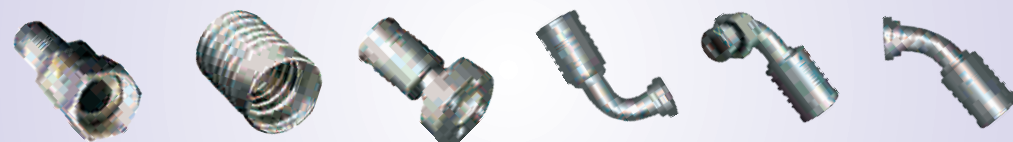


MANUFACTURER
& EXPORTER OF
HOSES &
HOSE ASSEMBLIES



SONI RUBBER PRODUCTS LTD.

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Ph : 033 22372691; Fax 91-33-2215-2925, 2221-5356
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E-mail : fittings@soni.co.in
Website : www.soni.co.in
BRANCHES : Mumbai, Jamshedpur, Hyderabad



AN ISO 9001 COMPANY
Website : www.soni.co.in



HYDRAULIC HOSE FITTINGS



SONI RUBBER PRODUCTS LTD.

An ISO 9001 Company



ABOUT US

SONI Group was setup in 1966 and from the day of inception the enterprise started dealing in various types of hoses and hose assemblies which include Hydraulic, Pneumatic, Rockdrill etc. and within a short span of time started their own assembly plant to manufacture hydraulic hose assemblies with wire braided and spiral wire reinforced super high pressure hoses.

Offlate the management decided to manufacture Hydraulic Hoses and the founder members of the group Late A.S. Soni, Mr. Tajindar Singh, Mr. J.S. Soni started visiting renowned hose manufacturers in the world for search of excellence in hose manufacturing & finally in the year 1981 production of Wire Braided Hoses started and late in a very short period the product was established and accepted in the market as well as by the reputed Engineering Industries.

In 1983 'SONI' launched Spiral Wire Reinforced Super High Pressure Hoses for the first time in the country as on date and have been able to provide a total import substitution in case of Spiral hoses.

Soni has got the complete in-house facility of manufacturing both hoses and end fittings. This unique feature has enabled "SONI" to become the market leader of the finished product.

"SONI" is playing one of the most important role in Indian Hose Industries and will always be ahead in providing solutions related to any problem of Hydraulic Hose Applications.

"SONI" has got ex-stock availability of hoses and end fittings which enable "SONI" to despatch the ordered goods within 24 hours.

The Organisation has also taken up modernisation programme for further technological development in the field of hoses and has also diversified their activities regarding manufacture of Moulded rubber products which include Push on Rubber, Gaskets, Dump Body Pads of HEMMs, Rubberized Fabrics, Battery Containers.

In brief SONI Group is committed to maintain quality standards to an optimum level and also to offer an unbeatable price along with superior after sales service through Nation wide network of their Branch Offices

and distributors, to remain in the forefront of Indian Hose Industry.



Waheguru Rubber Mfg. Co. Pvt. Ltd.

www.wrm.biz



Rubber Mouldings



Activities regarding manufacture of Moulded Rubber Products which includes various industrial Rubber Components such as Gasket for DUCTILE IRON PIPE, BATTERY CONTAINERS & OTHER INDUSTRIAL RUBBER PRODUCTS. WRM is backed by State of Art laboratories to test the product manufactured to meet up exceed specification.

We have been accredited with International approvals like EW681-1, WRASUK.



Punjab Hydraulics Pvt. Ltd.

www.punjabhydraulics.com

Construction Equipment Spares

As part of our modernisation & diversification programme, we have also taken up import of quality replacement of CONSTRUCTION EQUIPMENTS SPARES - COMPRISING OF BUCKET TOOTH POINTS, ADAPTORS, SIDE CUTTER AND UNDER CARRIAGE PARTS, HYDRAULIC SEAL KITS INCLUDING TRACK SHOE PLATE, TRACK BUSH & TRACK PIN



The Soni O' Tel

A Unit of Decorative Stone (India) Pvt. Ltd.

www.sonihospitality.com

Ultimate Value Ultimate Care

SONI Group was setup in 1964 and from the day of inception the enterprise started dealing in various types of hoses and hose assemblies which include Hydraulic, Pneumatic, Rockdrill etc. and within a short span of time started their own assembly plant to manufacture hydraulic hose assemblies with wire braided and spiral wire reinforced super high pressure hoses.

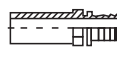
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Another associate company of 'SONI' Group is Punjab Hydraulic Pvt. Ltd. are engaged in importing and marketing of Earth Moving Spares in India. Punjab Hydraulic is also coming up with it's new venture in the field of Medical Equipment and Hospitality The Soni' otel.





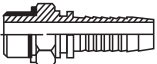
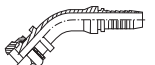
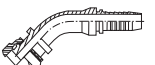
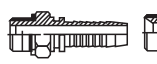
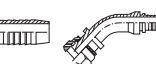
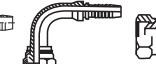
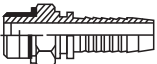
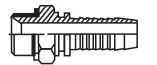
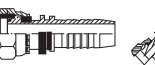
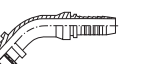
Fitting Index

Swaged Hose Fitting	Ferrule									
		P00110-A A24	P00110 A24	P03310 A25	P00200 A25	P00210 A26	P00400 A26	P01400 A27	P00401 A27	
										
		P00018 A27	P00TF0 A28	P00710 A28						
	Flat Seal									
		P10311 P10312 A29	P20211 P20212 A30	P20231 P20232 A31	P20241 P20242 A31	P20291 P20292 A32				
	60° Cone Seal									
		P10611 P10612 A33	P20611 P20612 A34	P20641 P20642 A35	P20691 P20692 A35					
	Multiseal									
				P20111 P20112 A36	P20141 P20142 A37	P20191 P20192 A38				
	74° Cone Seal									
		P10711 P10712 A39	P20711 P20712 A40	P20741 P20742 A41	P20791 P20792 A41					
90° Cone Seal										
	P10811L A42									
24° Cone O-Ring Seal L.T.										
	P10411 P10412 A43	P20411 P20412 A45	P20441 P20442 A46	P20491 P20492 A47						
24° Cone O-Ring Seal H.T.										
	P10511 P10512 A44	P20511 P20512 A48	P20541 P20542 A49	P20591 P20592 A50						
24° Cone Multiseal L.T.										
			P20411C P20412C A51	P20491C P20492C A51						
24° Cone Multiseal H.T.										
			P20511C P20512C A52	P20541C P20542C A52	P20591C P20592C A53					
Standpipe Straight										
			P50011 P50012C A55	P50041 P50042C A56	P50091 P50092C A57	PNL PNS A53 A54	PRL PRS A54			

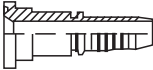
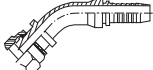
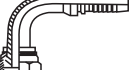
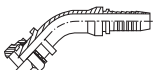
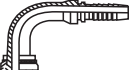
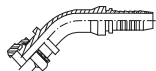
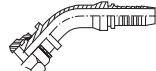
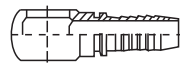
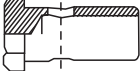
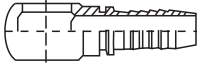
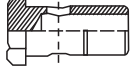
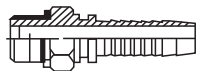
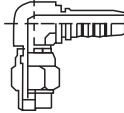
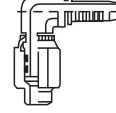
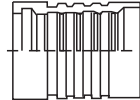
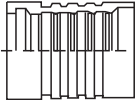
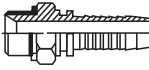
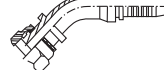


Fitting Index

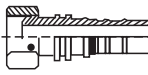
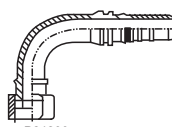
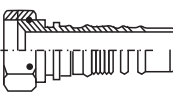
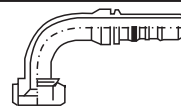
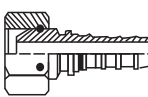
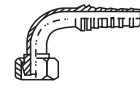
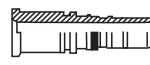
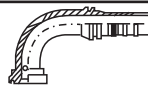
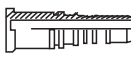
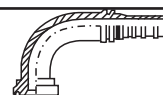
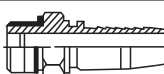
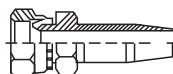
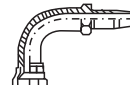
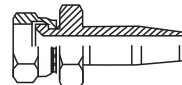
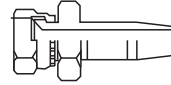
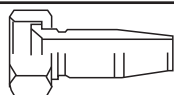
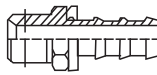
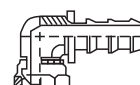
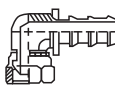
Swaged Hose Fitting

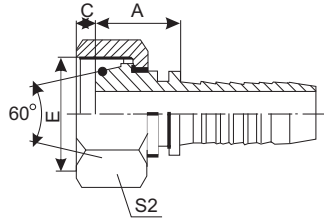
BSPO-Ring Seal	 P12211 P12212 A58
BSPT	 P13011-SP P13012SP A58
BSP Multiseal	   P22111 P22112 A61 P22141 P22142 A62 P22191 P22192 A63
BSP Flat Seal	   P22211 P22212 A64 P22241 P22242 A65 P22291 P22292 A65
BSP60° Cone Seal	       P12611 P12612 A59 P12611A P12612A A60 P22611 P22612 A66 P22641 P22642 A67 P22691 P22692 A68 P22611D P22612D A69 P22611D-SM P22612D-SM A69 P22691K P22692K A70
SAE O-Ring Seal	 P16011 P16012 A70
NPT	 P15611 P15612 A71
JIC 74° Cone Seal	       P16711 P16712 A72 P26711 P26712 A73 P26741 P26742 A74 P26791 P26792 A75 P26711D P26712D A76 P26711D-SM P26712D-SM A76 P26791K P26792K A77
SAE 90° Cone Seal	    P17811 P17812 A77 P27811 P27812 A78 P27841 P27842 A78 P27891 P27892 A79
ORFS Flat Seal	    P14211 P14212 A79 P24211 P24212 A80 P24241 P24242 A81 P24291 P24292 A82
NPSM60° Cone Seal	   P21611 P21612 A83 P21641 P21642 A83 P21691 P21692 A84
SAE Flange L.T.	    P87311 P87312 A84 P87341 P87342 A85 P87391 P87392 A86 PFL A88



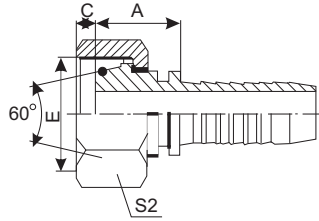
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	Flange	 P86111 P86112 A89	 P88141 P88142 A89	 P88191 P88192 A90	
	Metric 60° Cone Seal	 P18611 P18612 A90	 P28611 P28612 A91	 P28641 P28642 A92	 P28691 P28692 A92
	GAS 60° Cone Seal	 P29611 P29612 A93	 P29641 P29642 A93	 P28691 P28692 A94	
	Metric Waterwash	 P20011-T A94			
	Staplelok	 P60011 P60012 A95	 P67011 P67012 A95		
	Banjo	 P70011 P70012 A96	 P700M A97	 P72011 P72012 A97	 P720B A98
	NPT Swivel	 P15611SW A98	 P15691KSW A98		
	SAE O-Ring Boss Swivel	 P16011SW A99	 P16091KSW A99	P20591 P20592 A50	
Interlock Hose Fitting	Double Connection	 P90011 A100	 P90012 A100		
	Ferrule	 P00621 A101	 P00621-R15 A101		
	British Standard	 P13013-SP A102	 P12613 A102	 P22613 A103	 P22643 A103
				 P22693 A103	 P22613-OR A104



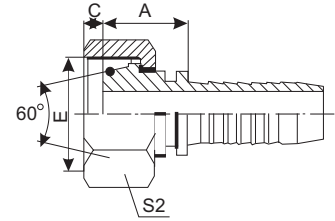
Interlock Hose Fitting	NPT Male	 P15613 A102							
	ORFS Flat Seal	 P24213 A104					 P24243 A104	 P24293 A105	
	JIC74° Cone Seal	 P26713 A105					 P26793 A106		
	Metric 24° Cone Seal H.T.	 P10513 A106	 P20513 A107	 P20543 A107	 P20593 A108				
	SAE Flange	 P87313 A108	 P87343 A109	 P87393 A109	 P87613 A110	 P87643 A110	 P87693 A111		
	9000PSI Flange	 P87913 A111	 P87943 A112	 P87993 A112					
Double Connection	 P90013 A112								
Reusable Hose Fitting	 P00518 A113						 P15618-R5 A113	 P22618D-R5 A114	 P16718-R5 A114
	 P26718D-R5 A115	 P26798D-R5 A115	 P17818-R5 A116	 P27818D-R5 A116	 P26718-R5T A117				
Socketless Hose Fitting	 P13011-SP(PO) A118	 P15611-PO A118	 P12611-PO A119	 P22611-PO A119	 P22691K-PO A119				
	 P16711-PO A120	 P26711-PO A120	 P26791K-PO A121	 P27811-PO A121					



S22611



S22611-T

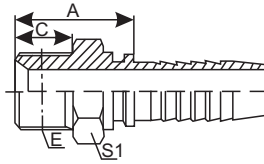


S22611-W

BSP FEMALE 60°CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
S22611-02-03	G1/8"X28	5	03	15	5.5	14
S22611-02-04	G1/8"X28	6	04	15	5.5	14
S22611-04-03	G1/4"X19	5	03	17	5.5	19
S22611-04-04	G1/4"X19	6	04	18	5.5	19
S22611-04-05	G1/4"X19	8	05	18	5.5	19
S22611-04-06	G1/4"X19	10	06	18	5.5	19
S22611-06-04	G3/8"X19	6	04	19	6.3	22
S22611-06-05	G3/8"X19	8	05	19	6.3	22
S22611-06-06	G3/8"X19	10	06	19.5	6.3	22
S22611-08-06T	G1/2"X14	12	08	19.5	6.3	22
S22611-08-08	G1/2"X14	10	06	21	7.5	27
S22611-08-10	G1/2"X14	12	08	21.5	7.5	27
S22611-10-08	G5/8"X14	12	08	22	9.5	30
S22611-10-10	G5/8"X14	16	10	23.5	9.5	30
S22611-12-08T	G3/4"X14	12	08	22	10.9	32
S22611-12-10	G3/4"X14	16	10	24	10.9	32
S22611-12-12	G3/4"X14	20	12	24	10.9	32
S22611-16-12T	G1"X11	20	12	24	11.7	41
S22611-16-14	G1"X11	22	14	26	11.7	41
S22611-16-16	G1"X11	25	16	27	11.7	41
S22611-20-16T	G1.1/4"X11	25	16	27.5	11	50
S22611-20-20W	G1.1/4"X11	32	20	30.5	11	50
S22611-24-20T	G1.1/2"X11	32	20	32	13	55
S22611-32-24W	G2"X11	40	24	32	13	55
S22611-32-24T	G2"X11	40	24	30	16	70
S22611-32W	G2"X11	50	32	31.9	16	70

Note:1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P22612-xx-xx.
'O' ring Type tube or without 'O' ring Type tube, it is customer option.

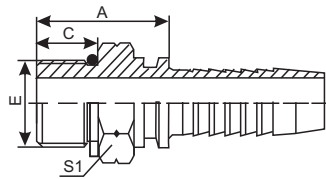


S13011-SP

BSPT MALE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
S13011-02-03SP	R1/8"X28	5	03	22	10	12
S13011-02-04SP	R1/8"X28	6	04	22.5	10	12
S13011-04-04SP	R1/4"X19	6	04	27	14.5	14
S13011-04-05SP	R1/4"X19	8	05	25	15.4	14
S13011-04-06SP	R1/4"X19	10	06	27	14.5	17
S13011-06-04SP	R3/8"x19	6	04	27.5	15	17
S13011-06-05SP	R3/8"x19	8	05	26.5	15	17
S13011-06-06SP	R3/8"x19	10	06	27.5	15	17
S13011-06-08SP	R3/8"x19	12	08	30	15	19
S13011-08-06SP	R1/2"X14	10	06	34.5	20	22
S13011-08-08SP	R1/2"X14	12	08	35	20	22
S13011-08-10SP	R1/2"X14	16	10	38	20	22
S13011-08-12SP	R1/2"X14	20	12	38	20	27
S13011-12-08SP	R3/4"X14	12	08	37	20	27
S13011-12-10SP	R3/4"X14	16	10	38	20	27
S13011-12-12SP	R3/4"X14	20	12	38.5	20	27
S13011-12-16SP	R3/4"X14	25	16	39.5	20	32
S13011-16-12SP	R1"X11	20	12	44	25.5	36
S13011-16-16SP	R1"X11	25	16	45	25.5	36
S13011-20-20SP	R1.1/4"X11	32	20	49.5	26.5	46
S13011-24-24SP	R1.1/2"X11	40	24	51.5	26.5	50
S13011-32-24SP	R2"X11	40	24	57	30	65
S13011-32-32SP	R2"X11	50	32	57	30	65

Note:1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P13012-xx-xx.



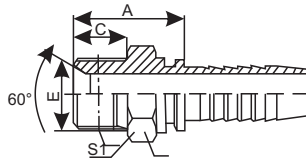
S12211

BSP MALE O-RING SEAL

PART NO.	THREAD E	HOSE BORE		O-RING	DIMENSIONS		
		DN	DASH		A	C	S1
S22211-04-04	G1/4"X19	6	04	0111	23.5	11	19
S22211-04-06	G1/4"X19	10	06	0111	23.5	11	19
S22211-06-06	G3/8"x19	10	06	0113	26.5	12	22
S22211-08-04	G1/2"X14	6	04	0115	33.5	14	27
S22211-08-06	G1/2"X14	10	06	0115	33.5	14	27
S22211-08-08	G1/2"X14	12	08	0115	34	14	27
S22211-10-10	G5/8"X14	16	10	0910	36	15.5	30
S22211-12-10	G3/4"X14	16	10	0119	33.5	15.5	32
S22211-12-12	G3/4"X14	20	12	0119	38	15.5	32
S22211-12-16	G3/4"X14	25	16	0119	36	15.5	32
S22211-16-16	G1"X11	25	16	0217	44.5	18.5	41
S22211-20-16	G1.1/4"X11	32	20	0222	46	20	50

Note:1. For use with braided hoses.

2. If use with spiral hoses, hose fitting series number is P12212-xx-xx.



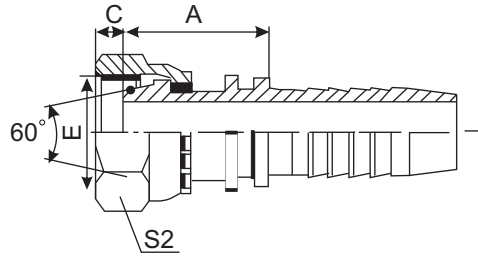
S12611

BSP MALE 60° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
S12611-02-03	G1/8"X28	5	03	22	10.5	12
S12611-04-04	G1/4"X19	6	04	24.5	12	14
S12611-06-05	G3/8"X19	8	05	26	13.5	17
S12611-06-06	G3/8"X19	10	06	27.5	13.5	17
S12611-06-08	G3/8"X19	12	08	26.5	13.5	19
S12611-08-06	G1/2"X14	10	06	30.5	16	22
S12611-08-08	G1/2"X14	12	08	31	16	22
S12611-10-08	G5/8"X14	12	08	32.5	17.5	24
S12611-10-10	G5/8"X14	16	10	33.5	17.5	24
S12611-12-08	G3/4"X14	12	08	35.5	18.5	27
S12611-12-10	G3/4"X14	16	10	37	18.5	27
S12611-12-12	G3/4"X14	20	12	36.5	18.5	27
S12611-16-12	G1"X11	20	12	40.5	20.5	36
S12611-16-16	G1"X11	25	16	41.5	20.5	36
S12611-20-16	G1.1/4"X11	25	16	43.5	20.5	46
S12611-20-20	G1.1/4"X11	32	20	44.5	20.5	46
S12611-24-20	G1/2"X11	32	20	49	23	50
S12611-24-24	G1/2"X11	40	24	46	23	50
S12611-32-32	G2"X11	50	32	53.5	25.5	65

Note:1. For use with braided hoses.

2. If use with spiral hoses, hose fitting series number is P12612-xx-xx.

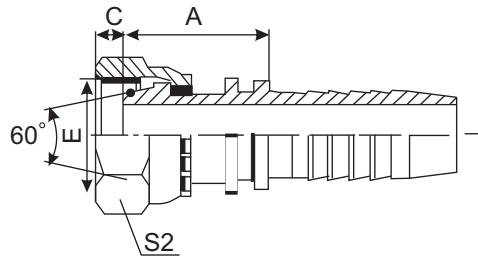


S22611D

BSP FEMALE 60° CONE DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
S22611D-04-04	G1/4"X19	6	04	23.5	5.5	19	19
S22611D-06-06	G3/8"x19	10	06	26.5	6.3	22	22
S22611D-08-08	G1/2"X14	12	08	31	7.5	27	27
S22611D-10-08	G5/8"X14	12	08	32	9.5	30	30
S22611D-12-08	G3/4"X14	12	08	33	10.9	32	32
S22611D-12-12	G3/4"X14	20	12	34	10.9	32	32
S22611D-16-16	G1"X11	25	16	35.5	11.7	41	41
S22611D-20-20	G1.1/4"X11	32	20	43.5	11	50	50

Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P22612D-xx-xx.
'O' ring Type tube or without 'O' ring Type tube, it is customer option.

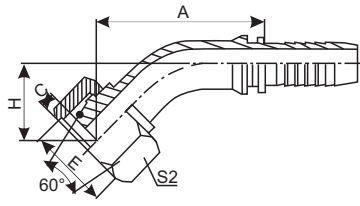


S22611D-SM

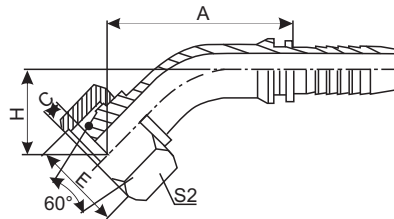
BSP FEMALE 60° CONE DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
S22611D-04-04SM	G1/4"X19	6	04	23.5	5.5	14	19
S22611D-06-06SM	G3/8"x19	10	06	25	6.3	17	22
S22611D-08-08SM	G1/2"X14	12	08	28.5	7.5	22	27
S22611D-10-08SM	G5/8"X14	12	08	30	9.5	22	30
S22611D-12-08SM	G3/4"X14	12	08	32.1	10.9	27	32
S22611D-12-12SM	G3/4"X14	20	12	35.5	10.9	27	32
S22611D-16-16SM	G1"X11	25	16	36.3	11.7	32	41
S22611D-20-20SM	G1.1/4"X11	32	20	41	11	41	50

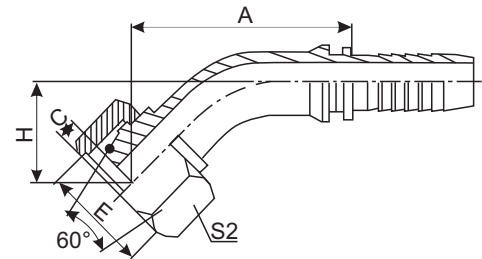
Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P22612D-xx-xxSM.
'O' ring Type tube or without 'O' ring Type tube, it is customer option.



S22641



S22641-W

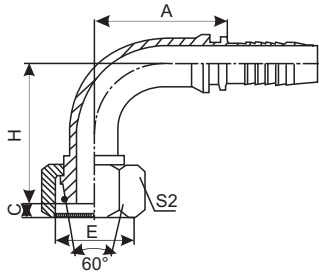


S22641-T

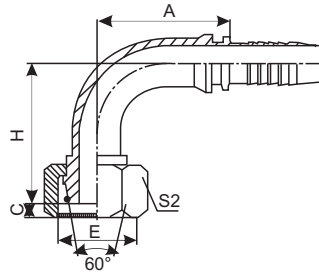
45°BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
S22641-04-04	G1/4"X19	6	04	42.3	5.5	20.2	19
S22641-06-04	G3/8"X19	6	04	43.2	6.3	21	22
S22641-06-05	G3/8"X19	8	05	45.3	6.3	22	22
S22641-06-06	G3/8"X19	10	06	46.9	6.3	22.6	22
S22641-08-06T	G1/2"X14	10	06	48.1	7.5	23.9	27
S22641-08-08	G1/2"X14	12	08	61.1	7.5	26.1	27
S22641-10-08	G5/8"X14	12	08	61.4	9.5	26.5	30
S22641-10-10	G5/8"X14	16	10	72.6	9.5	27.8	30
S22641-12-08T	G3/4"X14	12	08	61.8	10.9	26.9	32
S22641-12-10	G3/4"X14	16	10	73	10.9	28.2	32
S22641-12-12	G3/4"X14	20	12	79.2	10.9	31.8	32
S22641-16-12T	G1"X11	20	12	80.8	11.7	33.4	41
S22641-16-16	G1"X11	25	16	88.4	11.7	34.2	41
S22641-04-04	G1.1/4"X11	25	16	85.3	11	31.1	50
S22641-04-04	G1.1/4"X11	32	20	98.8	11	38	50
S22641-04-04	G1.1/4"X11	40	24	116.8	13	45.5	55
S22641-04-04	G2"X11	50	32	135.7	16	52.7	70

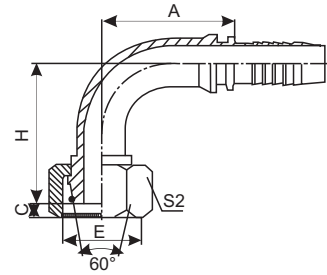
Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P22642-xx-xx.
'O' ring Type tube or without 'O' ring Type tube, it is customer option.



S22691



S22691-W

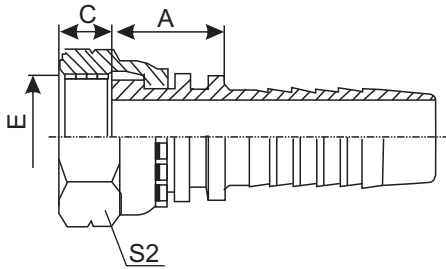


S22611-T

90°BSP FEMALE 60 CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		dn	DASH	A	C	H	S2
S22691-02-03	G1/8"X28	5	03	26.5	5.5	31.5	14
S22691-02-04	G1/8"X28	5	04	30	5.5	34.5	14
S22691-04-03	G1/4"X19	5	03	26.5	5.5	33.5	19
S22691-04-04	G1/4"X19	6	04	30	5.5	36.5	19
S22691-04-05	G1/4"X19	8	05	33	5.5	39.5	19
S22691-04-06	G1/4"X19	10	06	30	5.5	36.5	19
S22691-06-04	G3/8"X19	6	04	30	6.3	37.7	22
S22691-06-05	G3/8"X19	8	05	33	6.3	40.7	22
S22691-06-06	G3/8"X19	10	06	35.3	6.3	43	22
S22691-08-06T	G1/2"X14	10	06	35.3	7	43.3	17
S22691-08-08	G1/2"X14	12	08	41	7.5	51	27
S22691-08-10	G1/2"X14	16	10	56.5	7.5	55.5	27
S22691-10-08	G5/8"X14	12	08	41	9.5	51.5	30
S22691-10-10	G5/8"X14	16	10	56.5	9.5	56	30
S22691-12-08T	G3/4"X14	12	08	41	10.9	52.1	32
S22691-12-10	G3/4"X14	16	10	56.5	10.9	56.6	32
S22691-12-12	G3/4"X14	20	12	65.5	10.9	66	32
S22691-16-12T	G1"X11	20	12	65.5	11.7	68.3	41
S22691-16-14	G1"X11	22	14	71.2	11.7	69.3	41
S22691-16-16	G1"X11	25	16	76.7	11.7	73.8	41
S22691-20-16T	G1.1/4"X11	25	16	78	11	69.5	50
S22691-20-20W	G1.1/4"X11	32	20	91.5	11	84.3	50
S22691-24-24W	G1.1/2"X11	40	24	109.4	13	103	55
S22691-32-32W	G2"X11	50	32	131.8	16	123.3	70

Note:1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P22692-xx-xx.
'O' ring Type tube or without 'O' ring Type tube, it is customer option.

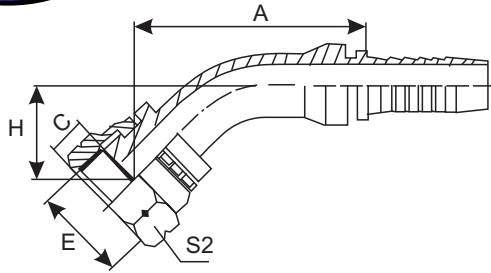


S22211

BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
S22211-04-04	G1/4"X19	6	04	15.5	8	19
S22211-04-06	G1/4"x19	10	06	15.5	8	19
S22211-06-04	G3/8"X19	6	04	17	9	22
S22211-06-05	G3/8"X19	8	05	17	9	22
S22211-06-06	G3/8"X19	10	06	16.5	9	22
S22211-06-08	G3/8"X19	12	08	17.5	9	22
S22211-08-06T	G1/2"X14	10	06	18	10.5	27
S22211-08-08	G1/2"X14	12	08	18.5	10.5	27
S22211-10-08	G5/8"X14	12	08	20	12	30
S22211-10-10	G5/8"X14	16	10	21	12	30
S22211-12-08T	G3/4"X14	12	08	20.5	13.5	32
S22211-12-10	G3/4"X14	16	10	21.5	13.5	32
S22211-112-12	G3/4"X14	20	12	21.5	13.5	32
S22211-16-12T	G1"X11	20	12	21.5	15.5	41
S22211-16-16	G1"X11	25	16	23	15.5	41
S22211-20-20W	G1.1/4"X11	32	20	26	15.5	50
S22211-24-24W	G1.1/2"X11	40	24	27.5	17.5	55
S22211-32-32W	G2"X11	50	32	30.5	23	70

Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P22212-xx-xx.

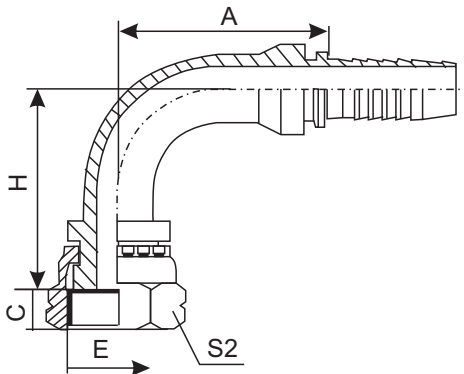


S22241

45°BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
S22241-04-04	G1/4"X19	6	04	40.9	8	18.8	19
S22241-06-06	G3/8"x19	10	06	45.3	9	21	22
S2224108-08	G1/2"X14	12	08	58.9	10.5	24	27
S22241-12-12	G3/4"X14	20	12	77.4	13.5	30	32
S22241-16-16	G1"X11	25	16	82.7	15.5	31.5	41
S22241-20-20W	G1.1/4"X11	32	20	97.3	15.5	36.6	50

Note:1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P22242-xx-xx.

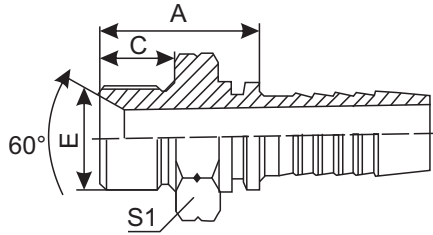


S22291

90°BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
S22291-04-04	G1/4"X19	6	04	30	8	34.5	19
S22291-06-06	G3/8"x19	10	06	35.3	9	41.3	22
S2229108-08	G1/2"X14	12	08	41	10.5	48	27
S22291-12-12	G3/4"X14	20	12	65.5	13.5	63.5	32
S22291-16-16	G1"X11	25	16	76.7	15.5	70	41
S22291-20-20W	G1.1/4"X11	32	20	91.5	15.5	82.5	50
S22291-24-24W	G1.1/2"X11	40	24	109.4	17.5	98.5	

Note:1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P22292-xx-xx.



S12611A

BSP MALE DOUBLE USE FOR 60° CONE
SEAT OR BONDED SEAL

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
S12611A-02-03	G1/8"X28	5	03	22	10	14
S12611A-04-04	G1/4"X19	6	04	24.5	12	19
S12611A-04-05	G3/8"X19	8	05	24.5	12	19
S12611A-06-06	G3/8"X19	8	05	26	13.5	22
S12611A-06-06	G3/8"X19	10	06	28	13.5	22
S12611A-06-08	G3/8"X19	12	08	28.5	13.5	22
S12611A-08-06	G1/2"X14	10	06	33	16	27
S12611A-08-08	G1/2"X14	12	08	33.5	16	27
S12611A-08-10	G1/2"X14	16	10	32	16	27
S12611A-10-08	G5/8"X14	12	08	35	17.5	30
S12611A-10-10	G5/8"X14	16	10	36	17.5	30
S12611A-12-08	G3/4"X14	12	08	36.5	18.5	32
S12611A-12-10	G3/4"X14	16	10	37.5	18.5	32
S12611A-12-12	G3/4"X14	20	12	37.5	18.5	32
S12611A-16-12	G1"X11	20	12	42.5	20.5	41
S12611A-16-16	G1"X11	25	16	43.5	20.5	41
S12611A-20-16	G1.1/4"X11	25	16	45.5	20.5	50
S12611A-20-20	G1.1/4"X11	32	20	46.5	20.5	50
S12611A-24-24	G1/2"X11	40	24	49	23	55
S12611A-32-32	G1/2"X11	50	32	54.5	25.5	70

Note:1. For use with braided hoses.

2. If use with spiral hoses, hose fitting series number is P12612A-xx-xx.

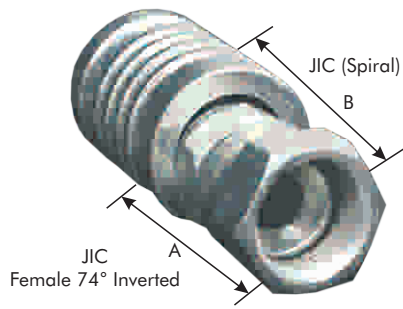


Figure - K

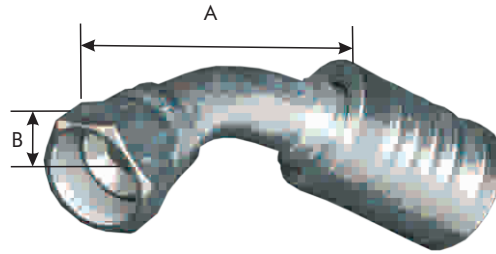


Figure - L

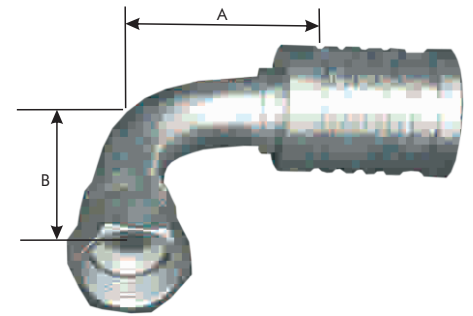


Figure - M

For SPIRAL HOSE

Straight Female Swivel SAE (37°) JIC- for spiral (Fig K)	Hose Dash Size	Thread Size	A mm/inch	B mm/inch	A/F in Inch/mm	Remarks
1/2"	-8	3/4--16	1.59	0.88/22.4	0.87/22.1	
3/4"	-12	1.1/16-12	1.70	0.92/23.4	1.25/31.8	
1"	-16	1.5/16-12	1.91	1.06/26.9	1.50/38.1	
1.1/4"	-20	1.5/8-12	2.12	1.16/29.5	2.00/50.8	
1.1/2"	-24	1.7/8-12	2.40	1.15/29.5	2.25/57.2	
2"	-32	2.1/2-12	2.31	1.45/36.8	2.87/72.9	

45°			Fig: - B														Fig: - C		A/F inch/mm
Elbow Nominal	Hose Dash Size																		
FEMALE SWIVEL																			
JIC 37° (Fig L)			22 1/2°		30°		45°		60°		67 1/2°		90°						
			A	B	A	B	A	B	A	B	A	B	A	B					
3/8"	-6						1.28	0.52					1.19	1.19	0.68/17.3				
1/2"	-8						1.40	0.53					1.34	1.18	0.87/22.1				
5/8"	-10						1.62	0.72					1.45	1.6	0.25/31.8				
3/4"	-12						1.87	0.77					1.82	1.82	1.5/38.1				
1"	-16						2.11	0.89					2.09	2.14	2.0/50.8				
1 -1/4"	-20						2.38	0.37					2.51	2.46	2.25/57.2				
1 -1/2"	-24						2.52	1.05					2.64	2.65					
2"	-32														2.89/72.9				
1/4"	-04						1.23	0.66					0.85	0.84	0.56/14.2				
5/16"	-05						1.43	0.43					0.90	0.90	0.62/15.7				

90°																	A/F inch/mm
Elbow Nominal Size for Spiral / Hose (Fig M)	Hose Dash Size	Nut Size	Fig: - B										Fig: - C				
			22 1/2°		30°		45°		60°		67 1/2°		90°				
			A	B	A	B	A	B	A	B	A	B	A	B			
3/4"	-12	1.1/16-12	2.37	0.52	2.31	0.69	2.40	1.12	2.51	1.6	2.43	1.80	2.09	2.3	1.25/31.9		
1"	-16	1.5/16-12	3.10	0.69	3.16	0.95	2.82	1.31	3.2	2.08	3.14	2.36	2.39	2.63	1.50/38.10		
1.1/4"	-20	1.5/8-12	3.50	0.8	3.63	1.11	3.14	1.4	3.54	2.33	3.41	2.62	2.93	2.73	2.00/50.8		
1.1/2"	-24	1.7/8-12	4.26	0.95	4.34	1.29	3.15	1.29	4.21	2.72	3.64	2.76	3.99	2.99	2.25/57.2		
2"	-32	2.1/2-12					3.54	1.45					3.54	3.51	2.83/73		

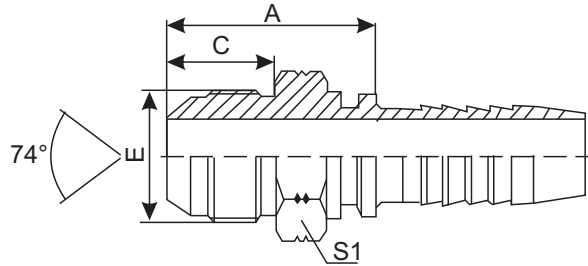
Fig:12

For BRAIDED HOSE

Straight Female Swival SAE (37°) JIC-R1 & R2	Hose Dash Size	Thread Size	A mm/inch	B mm/inch	A/F in Inch/mm	Remarks
3/8"	-6	9/16-8	1.17/29.7	0.69/20.1	0.68/17.3	socket should
1/2"	-8	3/4--16	1.30/33.00	.88/22.4	0.87/22.1	be plane Type
3/4"	-12	1.1/16-12	1.49/37.8	0.92/23.4	1.25/31.8	without stepping
1"	-16	1.5/16-12	1.66/42.2	1.06/26.9	1.50/38.1	on outside
1.1/4"	-20	1.5/8-12	1.80/45.7	1.16/29.5	2.00/50.8	
1.1/2"	-24	1.7/8-12	1.89/48.0	1.15/29.5	2.25/57.2	
2"	-32	2.1/2-12	2.37/60.2	1.45/36.8	2.87/72.9	

FIG 15 & 16 R1/R2

[illegible]



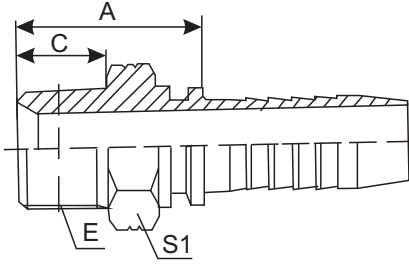
S16711

JIC MALE 74° CONE
ISO 8434-2—SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
S16711-04-03	7/16"X20	5	03	26	14	12
S16711-04-04	7/16"X20	6	04	26.5	14	12
S16711-05-04	1/2"X20	6	04	26.5	14	14
S16711-05-05	1/2"X20	8	05	26.5	14	14
S16711-05-06	1/2"X20	10	06	26.5	14	17
S16711-06-04	9/16"X18	6	04	26.5	14.1	17
S16711-06-05	9/16"X18	8	05	26.5	14.1	17
S16711-06-06	9/16"X18	10	06	26.5	14.1	17
S16711-08-06	3/4"X16	10	06	31.5	16.7	22
S16711-08-08	3/4"X16	12	08	32	16.7	22
S16711-10-06	7/8"X14	10	06	32	19.3	24
S16711-10-08	7/8"X14	12	08	34.3	19.3	24
S16711-10-10	7/8"X14	16	10	35.5	19.3	24
S16711-12-08	1.1/16"X12	12	08	39	21.9	27
S16711-12-10	1.1/16"X12	16	10	40	21.9	27
S16711-12-12	1.1/16"X12	20	12	40	21.9	27
S16711-12-16	1.1/16"X12	25	16	41	21.9	30
S16711-14-10	1.3/16"X12	16	10	41.5	22.6	32
S16711-14-12	1.3/16"X12	20	12	40.6	22.6	32
S16711-16-12	1.5/16"X12	20	12	42.5	23.1	36
S16711-16-16	1.5/16"X12	25	16	43.5	23.1	36
S16711-20-16	1.5/8"X12	25	16	46.5	24.3	46
S16711-20-20	1.5/8"X12	32	20	47.5	24.3	46
S16711-24-20	1.7/8"X12	32	20	53	27.5	50
S16711-24-24	1.7/8"X12	40	24	53	27.5	50
S16711-32-32	2.1/2"X12	50	32	62	33.9	65

Note:1. For use with braided hoses.

2. If use with spiral hoses, hose fitting series number is P156122-xx-xx.



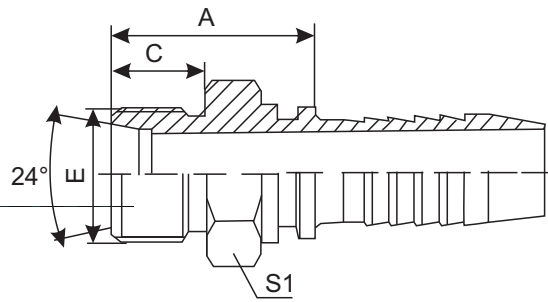
S15611

NPT MALE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
S15611-02-03	Z1/8"X27	5	03	22.5	10.5	12
S15611-02-04	Z1/8"X27	6	04	22.5	10.5	12
S15611-04-03	Z1/4"X18	5	03	27.5	15	17
S15611-04-04	Z1/4"X18	6	04	28	15	17
S15611-04-05	Z1/4"X18	8	05	28	15	17
S15611-04-06	Z1/4"X18	10	06	27	15	17
S15611-06-04	Z3/8"X18	6	04	28	16	19
S15611-06-05	Z3/8"X18	8	05	28	16	19
S15611-06-06	Z3/8"X18	10	06	30	16	19
S15611-06-08	Z3/8"X18	12	06	30.5	16	19
S15611-02-03	Z1/2"X14	10	08	34.5	19.5	22
S15611-08-08	Z1/2"X14	12	10	34.5	19.5	22
S15611-08-10	Z1/2"X14	16	08	36	19.5	22
S15611-12-08	Z3/4"X14	12	10	37.5	19.5	27
S15611-12-10	Z3/4"X14	16	08	38	19.5	27
S15611-12-12	Z3/4"X14	20	10	38.5	19.5	27
S15611-12-16	Z3/4"X14	25	12	39.5	19.5	32
S15611-16-10	Z1"X11.5	16	12	45	25.5	36
S15611-16-12	Z1"X11.5	20	14	45	25.5	36
S15611-16-16	Z1"X11.5	25	16	44.5	25.5	36
S15611-20-16	Z1.1/4"X11.5	25	16	49.5	26.5	46
S15611-12-20	Z1.1/4"X11.5	32	20	49	26.5	46
S15611-24-24	Z1.1/2"X11.5	40	24	51	27.5	50
S15611-32-32	Z2"X11.5	50	32	55	27.5	65

Note:1. For use with braided hoses.

2. If use with spiral hoses, hose fitting series number is P156122-xx-xx.

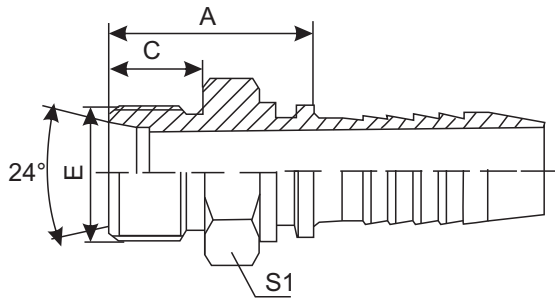


METRIC MALE 24° CONE SEAT L.T.
ISO 8434-1 — DIN 3861

PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH	TUBE O.D.	A	C	S1
S10411-12-04	M12X1.5	6	04	6	20.5	10	12
S10411-14-04	M14X1.5	6	04	8	20.5	10	14
S10411-14-05	M14X1.5	8	05	8	21.5	10	14
S10411-16-04	M16X1.5	6	04	10	22.5	11	17
S10411-16-05	M16X1.5	8	05	10	22.5	11	17
S10411-16-06	M16X1.5	10	06	10	22.5	11	17
S10411-18-05	M18X1.5	8	05	12	23.5	11	19
S10411-18-06	M18X1.5	10	06	12	21.5	11	19
S10411-22-06	M22X1.5	10	06	15	24.5	12	24
S10411-22-08	M22X1.5	12	08	15	26	12	24
S10411-26-08	M26X1.5	12	08	18	26.5	12	27
S10411-26-10	M26X1.5	16	10	18	27	12	27
S10411-27-10	M27X1.5	16	10	18	32	14	30
S10411-30-10	M30X2	16	10	22	29	14	32
S10411-30-12	M30X2	20	12	22	29	14	32
S10411-36-16	M36X2	25	16	28	31.5	14	38
S10411-45-20	M45X2	32	20	35	36	16	46
S10411-52-24	M52X2	40	24	42	38	16	55

Note:1. For use with braided hoses.

2. If use with spiral hoses, hose fitting series number is P10412-xx-xx.

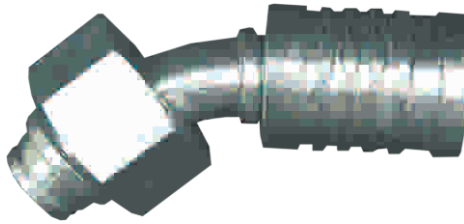
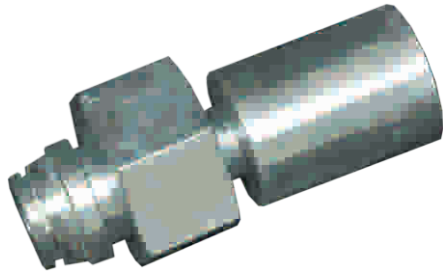


S10511

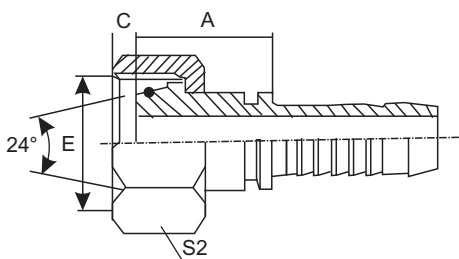
METRIC MALE 24° CONE SEAT H.T.
ISO 8434-1 — DIN 3861

PART NO.	THREAD E	HOSE BORE			DIMENSIONS		
		DN	DASH	TUBE O.D.	A	C	S1
S10511-14-04	M14X1.5	6	04	6	24.1	12	14
S10511-16-04	M16X1.5	6	04	8	26.5	12	17
S10511-18-04	M18X1.5	6	04	10	26.5	12	19
S10511-20-05	M20X1.5	8	05	12	27	12	22
S10511-20-06	M20X1.5	10	06	12	26.5	12	22
S10511-22-05	M22X1.5	8	05	14	30.5	14	24
S10511-22-06	M22X1.5	10	06	14	30.5	14	24
S10511-22-08	M22X1.5	12	08	14	31	14	24
S10511-24-08	M24X1.5	12	08	16	31.5	14	27
S10511-30-10	M30X2	16	10	20	36	16	32
S10511-30-12	M30X2	20	12	20	36	16	32
S10511-30-12	M36X2	20	12	25	40.5	18	41
S10511-36-16	M36X2	25	16	25	41.5	18	38
S10511-42-16	M42X2	25	16	30	44	20	46
S10511-42-20	M42X2	32	20	30	45	20	46
S10511-32-20	M52X2	32	20	38	50	22	55

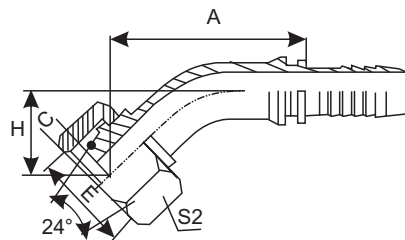
Note: 1. For use with braided hoses. 2. If use with spiral hoses, hose fitting series number is P10412-xx-xx.



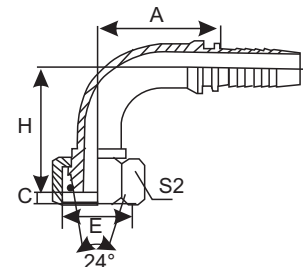
Hose Size	Hose Dash Size R1 R2	Thread Size(E)	T.S		Straight 0°		ELBOW		45° Elbow				90° Elbow		SE	
									45°							
			LP	HP	A	B			A	H	A	B	A	H		
1/4"	-4	M 14 X 1.5	8	6	28.5	1.1			50.10	28.00			30	47	19/17	
5/16"	-5	M 16 X 1.5	10	8	29.0	1.5			50.40	28.90			30	48	22	
3/8"	-6	M 18 X 1.5	12	10	29.0	2.0			54.30	29.60			33	41.5	22	
3/8"	-6	M 20X1.5		12	29.0	2.5			49.70	25.00			35.8	46.3	24	
1/2"	-8	M 22X1.5	15	14	31.5	2.5			68.10	33.20			35.3	46.8	27	
1/2"	-8	M 24X1.5		16	30.0	3.0			62.5	27.50			41	53	30	
5/8"	-10	M 30X2.0	22	20					25.8	31.00			56.5	60.5	36	
3/4"	-12	M 30X2.0	22	22	39.0	3.0			90.5	42.40			65	81	36	
3/4"	-12	M 36X2.0	25	28	36.0	3.0			82.7	34.6			66	70	41	
1"	-16	M 42X1.5											78	77.5		
1"	-16	M 42X2.0		30	41.0	5.0			92.3	36.8			78	77.0	41	
1.1/4"	-20	M 45X1.5														
1.1/4"	-20	M 45X2.0		35											50	
1.1/4"	-20	M 48X1.5														
1.1/4"	-20	M 52X1.5													60	
1.1/4"	-20	M 52X2.0	42	38	44.0	6.5			103.4	41.1			93	89	60	
1.1/2"	-24	M 52X1.5			44.0	6.5							109	103	60	
1.1/2"	-24	M 52X2.0	42	38	44.0	6.5			115.9	45.1					60	
2"	-32	M 65X2			44.0	6.5										



S24291



S22241



S24291T

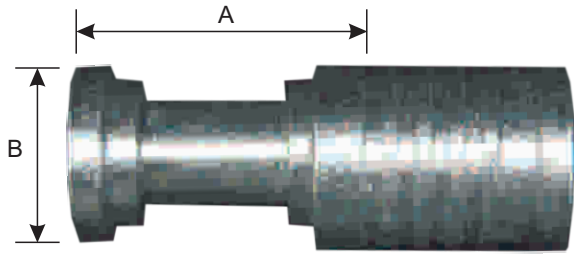


Fig: 7

Straight Nominal Flange Size	Hose Dash Size	Flange Code 61 (3000 psi)		Flange Code 62 (6000 psi)		Remarks
		A mm/inch	B mm/inch	A mm/inch	B mm/inch	
½" SAE FLANGE	08	56.13/2.21	30.22/1.19"	58/2.28	31.75/1.25"	
¾" SAE FLANGE	12	63.5/2.5	38.1/1.1/2"	64.0/2.51	41.6/15/8"	
1" SAE FLANGE	16	58/2.28	44.5/13/4"	61.0/2.4	47.6/17/8"	
1.1/4" SAE FLANGE	20	57.5/2.26	50.8/2.0"	65.5/2.52	54/2.1/8"	
1.1/2" SAE FLANGE	24	62.5/2.46	60.3/2.3/8"	73.0/2.87	63.5/2.5'	
2" SAE FLANGE	32	70.8/2.78	71.4/2.13/16"	89.5/3.52	79.5/3.13"	
2.1/2" SAE FLANGE	40	OPTIONAL	84.12	OPTIONAL		
3" SAE FLANGE	48	do	101.60			
3.1/2" SAE FLANGE	56	do	114.30			
4" SAE FLANGE	64	do	127.00			
5" SAE FLANGE	80	do	152.40			

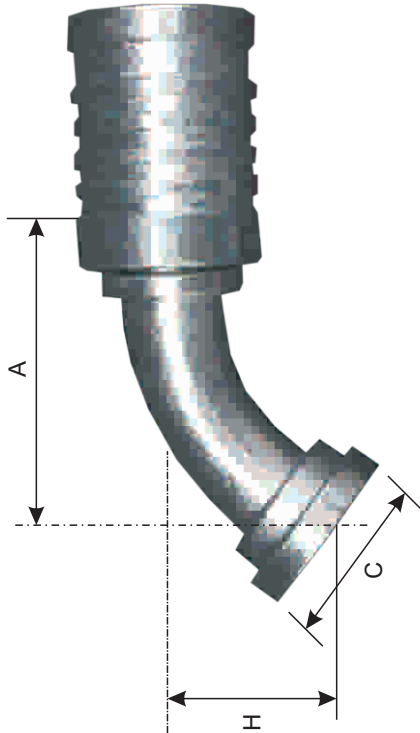
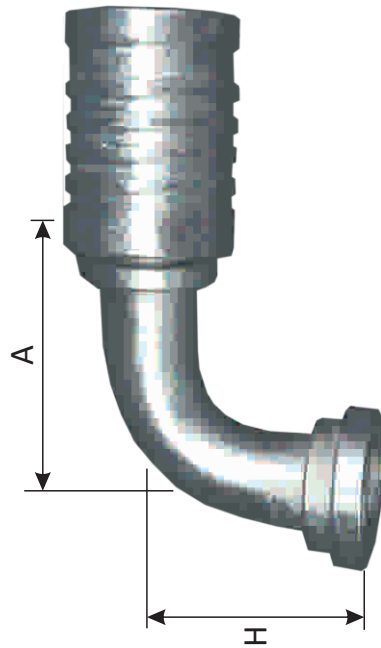


Fig: 8 & 11

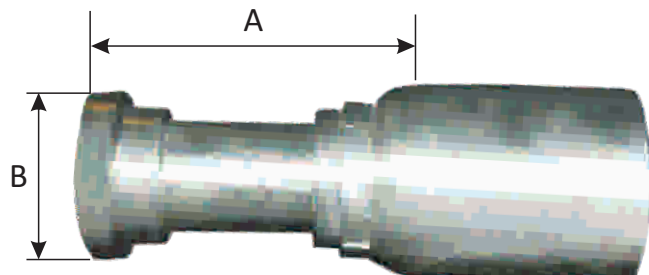
Elbow Nominal Split Flange Size	Hose Dash Size	Flange Head C		A/H in inch													
				22 1/2"				30°		45°		60°		67 1/2°		90°	
		Code 61 (3000 psi)	Code 62 (6000 psi)	mm/inch	Code 61	Code 62	61	62	61	62	61	62	61	62	61	62	
				mm/inch													
1/2" SAE FLANGE	-8	30.22/1.19"	31.75/1.25"	1.97/0.32"													
1/2" SAE FLANGE	-8	38.1/1.5"	41.6/1.62"	1.97/0.38"	1.97/0.38"											1.69/1.62	1.69/1.62
3/4" SAE FLANGE	-12	38.1/1.5"	41.6/1.62"	2.31/0.44"	2.31/0.44"											1.69/1.62	1.69/1.62
3/4" SAE FLANGE	-12	44.5/1.75"	47.75/1.88"	2.31/0.44"	2.31/0.44"											2.23/2.13	2.23/2.13
1" SAE FLANGE	-16	44.5/1.75"	47.75/1.88"	2.62/0.44"	2.62/0.44"											2.23/2.13	2.23/2.13
1" SAE FLANGE	-16	50.8/2.0"	54/2.12"	2.62/0.44"	2.62/0.44"											2.78/2.38	2.78/2.38
1.1/4" SAE FLANGE	-20	50.8/2.0"	54/2.12"	3.06/0.50"	3.06/0.50"											2.78/2.38	2.78/2.38
1.1/4" SAE FLANGE	-20	60.3/2.375"	63/2.5	3.06/0.50"	3.06/0.50"											3.17/2.62	3.17/2.62
1.1/2" SAE FLANGE	-24	60.3/2.375"	63/2.5	3.73/0.63"	3.73/0.63"											3.17/2.62	3.17/2.62
1.1/2" SAE FLANGE	-24	71.37/2.81"	79.24/3.12	3.73/0.63"	3.73/0.63"											3.69/3.12	3.69/3.12
2" SAE FLANGE	-32	71.37/2.81"	79.24/3.12	4.82/0.88												3.86/3.12	3.86/3.12





High Pressure Two & Four Bolt Male Female Fittings for Spiral Hose

Single Unit Straight Nominal Flange Size	Hose Dash Size	NW in mm	Pressure Code 62 (6000 psi)	A	B in mm
1-1/4 SAE Flange	20	32	Code 62	105.8	54





END FITTING

Size code table:

BSP Thread	G1/8" X28	G1/4" X19		G3/8" X19	G1/2" X14	G5/8" X14	G3/4" X14	G1"X11	G1.1/4" X11	G1.1/2" X11	G2"X11
BSPT Thread	R1/8" X28	R1/4" X19		R3/8" X19	R1/2" X14		R3/4" X14	R1"X11	R1.1/4" X11	R1.1/2" X11	R2"X11
NPT Thread	Z1/8" X27	Z1/4" X18		Z3/8" X18	Z1/2" X14		Z3/4" X14	Z1"X11.5	Z1.1/4" X11.5	Z1.1/2" X11.5	Z2"X11.5
JICThread		7/16" X20	1/2" X20	9/16" X18	3/4" X16	7/8" X14	1.1/16" X12	1.5/16" X12	1.5/8" X12	1.7/8" X12	2.1/2"X12
ORFSThread		9/16" X18		11/16" X16	13/16" X16	1" X14	1.3/16" X12	1.7/16" X12	1.11/16" X12	2" X12	
SAEThread			1/2X20	5/8" X18	3/4" X14	7/8" X14	1.1/16" X14				
Flange size					1/2	5/8"	3/4"	1"	1.1/4"	1.1/2"	2"
HOSE DASH	02	04	05	06	08	10	12	16	20	24	32
HOSE DN	04	06	08	10	12	16	20	25	32	40	52

Example of order

P1BG

G1/2"X14

G3/4"X14,

P1BG-08-12,

P1BG-08-12SS

If P1BG' left end thread is G1/2"X14 and right end thread is G3/4"X14, the fitting number is P1BG-08-12. If made of stainless steel, the fitting number is P1BG-08-12SS.

PAJJN

9/16"X18,

9/16"X18,

Z1/2"X14

PAJJN-06-06-08.

If PAJJN' left end thread is G9/16"X18, mid end thread is 9/16"X18, and right end thread is Z1/2"X14, the fitting number is PAJJN-06-06-08