Professional • Innovation • Efficiency

LangTeng Design/13586836982



HUACHENG HYDRAULIC MECHINERY

HOSE FITTINGS

ZHEJIANG HUACHENG HYDRAULIC MECHINERY CO.,LTD.
Add.:No.137 Jiangdong Road Diankou town Zhuji City Zhejiang, China
Tel:+86-575-87618971
Fax:+86-575-87066777
Http://www.zjshihui.com
Email:admin@zjshihui.com

ZHEJIANG HUACHENG HYDRAULIC MECHINERY CO.,LTD.

ZHEJIANG HUACHENG HYDRAULIC MECHINERY CO.,LTD.

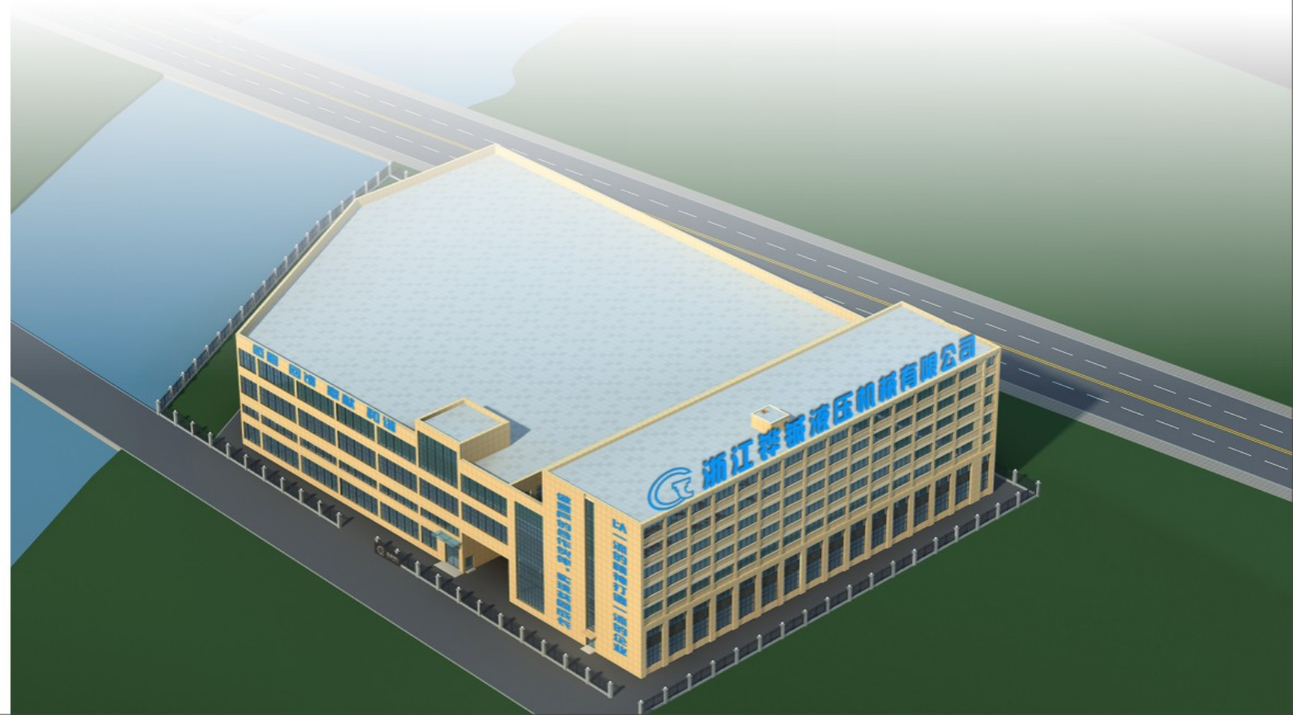
Zhejiang Huacheng Hydraulic Mechinery Co.,ltd. located in Diankou Industrial area which is well known as “South Hardware City” in China with amazing enviroments.It’s near Xiaoshan Intl.Airport to the north and Ningbo port to the east,with the convenient transportation,the econnomy is developing rapidly.

We are specialized in hydraulic fittings with more than ten years manufacturing experience in this field.The main products we are dealing with are hydraulic hose fittings,all kinds of adaptors and fittings.flange.and so on.

We have a group of professional and well-educated engineers and staffs with excellent occupational ethics,excellent occupational skills and collaborative spirits.In order to improve the quality.We introduced and imported many advanced machine such as CNC machine,multi-spindle automatic machine,turret lathe,electroheating tube blending machine and many other machines from Taiwan,France,Finland,Japan etc.Now our products are very popular in many countries such as Iran,Arab,India,Brazil,Russia and many other countries.

“Quality-frist,Integrity-based,Customer-foremost,Service-Best” as our mission,we are one of the first companies who got the approval of ISO9001:2008 quality system.

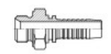
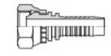
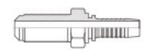
We will consistently cooperate with vast customers basing on superior products and best service and price.Warmly welcome frequent and new customers to call us or visit our company and negotiate with us for the sincere cooperation and bright future!



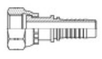
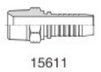
Model Index

Hose	Hose	 One Wire Braid Hose (SAE 100 R1AT–EN 853 1SN) P04	 Two Wire Braid Hose (SAE 100 R2AT–EN 853 2SN) P04
		 4SP Four Wire Spiral Hose (GB/T 10544 4SP–EN 856 4SP) P05	 4SH Four Wire Spiral Hose (GB/T 10544 4SH–EN 856 4SH) P05
		 Wire Spiral Hose (GB/T 10544 R12–SAE 100 R12–EN 856 R12) P06	 Wire Spiral Hose (GB/T 10544 R13–SAE 100 R13–EN 856 R13) P06
		 Wire Spiral Hose (GB/T 10544 R15–SAE 100 R15) P07	 Two Polyster Braid Hose (SAE 100 R7–EN 855 R7) P07
		 One Wire Braid–Textile Cover Hose (SAE 100 R6) P08	 PTFE Hose P08
Ferrule	Ferrule	 00110 P09	 00110–A P09
		 00200 P10	 00210 P10
		 03310 P11	 00400 P11
		 00401 P12	 00402 P12
		 00403 P13	 01400 P13
		 00018 P14	 00TF0 P14
		 00500 P15	 00421 P15
		 00621 P16	
Swaged Hose Fitting	Metric Flat Seal	 10311 P17	 20211 P18
		 20231 P19	 20241 P19
		 20291 P20	

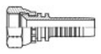
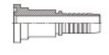
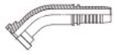
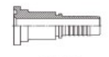
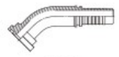
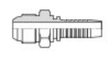
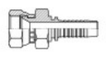
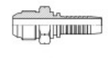
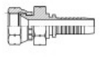
Model Index

Swaged Hose Fitting	Metric 24° Cone O–ring Seal L.T.	 10411 P21  20411 P22  20411C P23  20441 P24  20491、20492 P25
		 20491C P26
	Metric 24° Cone O–ring Seal H.T.	 10511 P27  20511 P28  20511C P29  20541 P30  20541C P31  20591 P31
		 20591C P32
	Metric 60° Cone Seal	 10611 P32  20611 P33  20691 P33
	Metric 74° Cone Seal	 10711 P34  20711 P35  20741 P36  20791 P37
	Metric Male 90° Cone Seal	 10811L P37
	Metric Female Multiseal	 20111 P38  20141 P39  20191 P40
	Metric Standpipe	 50011 P41  50041 P42  50091 P43  51011 P44

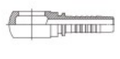
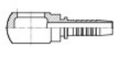
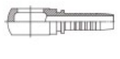
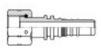
Model Index

Swaged Hose Fitting	Metric Standpipe	 51091 P45  NL、NS P46  RL、RS P47
	BSP Male O-ring Seal	 12211 P48
	BSP 60° Cone Seal	 12611 P49  12611A P50  22611 P51  22611D P52  22611D-SM P52
		 22641 P53  22691 P54  22691K P55
	BSP Female Multiseal	 22111 P56  22141 P57  22191 P58  22211 P59  22241 P60  22291 P60
	BSPT Male	 13011-SP P61
	ORFS Flat Seal	 14211 P62  24291 P63  24211 P64
	NPT MALE	 15611 P65
	SAE Male With O-ring	 16011 P66

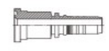
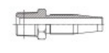
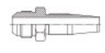
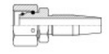
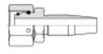
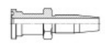
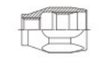
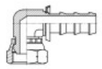
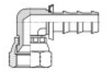
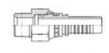
Model Index

Swaged Hose Fitting	JIC 74° Cone Seal	 16711 P67  16711L P68  26711 P69  26741 P70  26791 P71  26711D P72
		 26711D-SM P72  26791K P73
	SAE 90° Cone Seal	 17811 P73  27811 P74  27891 P74
	NPSM Female 60° Cone	 21611 P75
	SAE Flange L.T.	 87311 P75  87341 P76  87391 P76  87391-H P77  FL、FS P77
	SAE Flange H.T.	 87611 P78  87641 P78  87691 P79
	JIS Metric 60° Cone	 18611 P79  28611 P80  28691 P81
	JIS GAS 60° Cone	 19611 P81  29611 P82  29641 P82  29691 P83
	JIS Flange	 88111 P84  88141 P84  88191 P84

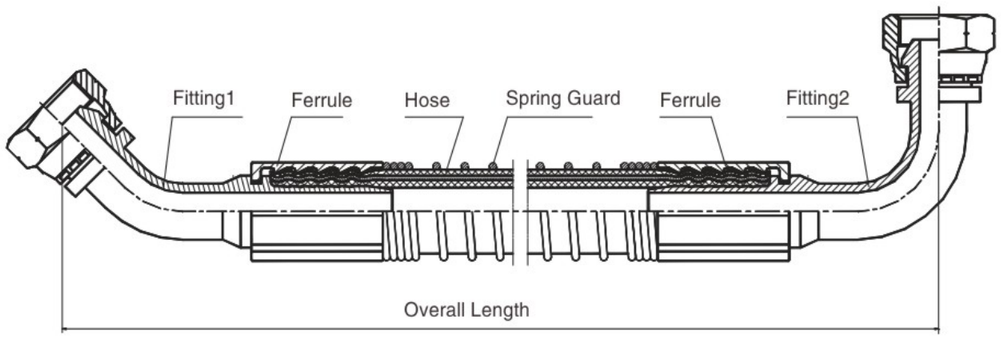
Model Index

Swaged Hose Fitting	Metric Female Watrewash Inserts	 20011–ST P85
	Banjo	 700M P85  70011 P86  71011 P87  710M P88  720B P88  72011 P89
	Double Connector	 90011 P90  90012 P90
	SAE Staplelok Male	 67011 P91
Interlock Hose Fitting	Metric 24° Cone O–ring Seal H.T.	 10513 P92  20513–W P92  20543–W P93  20593–W P93
	British	 12613 P94  13013–SP P94  22613–W P94  22693–W P95
	NPT Male	 15613 P95
	NPSM 60° Cone	 21613–W P95
	ORFS Flat Seal	 24213–W P96  24243–W P96  24293–W P96
	JIC 74° Cone Seal	 26713–W P97  26793–W P97  26713D–W P97

Model Index

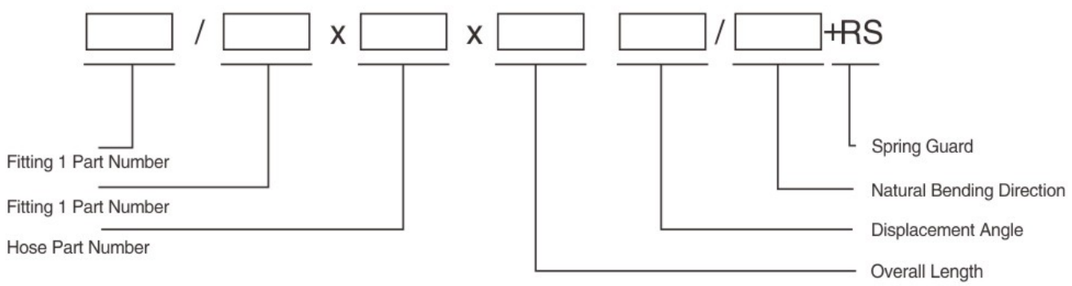
Interlock Hose Fitting	JIS GAS 60° Cone	 29613–W P98
	SAE Flange L.T.	 87313 P98  87343 P99  87393 P99
	SAE Flange H.T.	 87613 P100  87643 P100  87693 P101
	9000PSI Flange	 87913 P101  87943 P102  87993 P102
	Double Connector	 90013 P103
Reusable Hose Fitting	Reusable Hose Fitting	 15618 P104  16718 P105  20418D P105  20518D P106  22618D P107  24218D P107
		 26718D P108  87318D P108  87398D P109  87698D P109  00518 P110
Plug–in Hose Fitting	Plug–in Hose Fitting	 12610 P111  12610A P111  13010–SP P111  15610 P112  16710 P112  17810 P113
		 22610 P113  26710 P114  27810 P114  22690K P115  26790K P115
Rotary Hose Fitting	Rotary Hose Fitting	 15611SW–S P116

How To Order Hose Assembly



As the above fig,the hydraulic hose assembly consists of hose、fitting1、fitting2 and ferrule.The fitting1 maybe the same or different as the fitting2.They can be straight or elbow. The spring guard may not be used.

Hose Assembly Part Number:



Example 1 : 22641−08−08/22691−12−08X1T08X1000V90/SSX+RS；
Without displacement angle、natural bending direction or spring guard,these part number may be omitted.

Example 2 : The assembly with two fittings of the same part number is called out with only one fitting part number.
22691−08−08X1T08X1000V90°

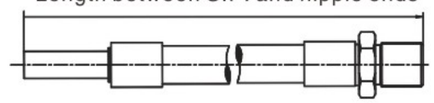
How To Measure Assembly

The overall lengteh of the hose assembly is measured to the sealing surface of straight fittings or to the centreline of elbow fittings.As the following:

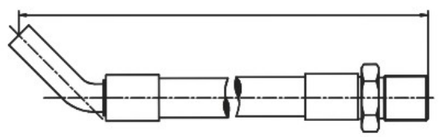
Length over nipples



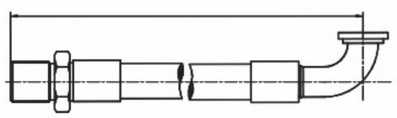
Length between S.P. and nipple ends



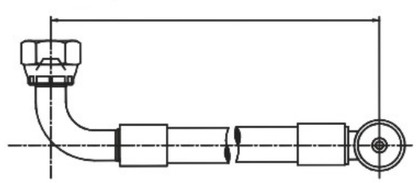
Length between centre line of S.P. and end of nipple



Length between male nipple and centre of angle



Length between centre line of angle and banjo



Length between male nipple and centre of female nipple

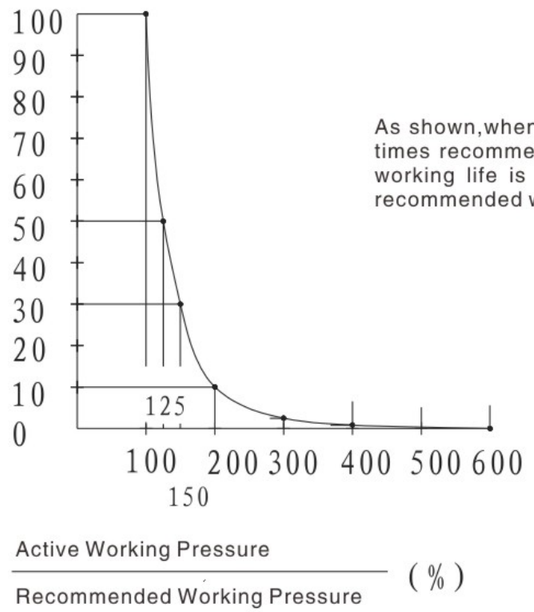


Length Tolerance For Hose Assembly

Length of Hose Assembly (mm)		The Tolerance Of Nominal Diameter Hose Assembly Length As Follows	
	≤25	25<Hose DN≤50	>50
≤630	+7mm −3mm	+12mm −4mm	+25mm −6mm
630<Assembly Length≤1250	+12mm −4mm	+20mm −6mm	
1250<Assembly Length≤2500	+20mm −6mm	+25mm −6mm	
2500<Assembly Length≤8000	+1.5% −0.5%		
>8000	+3% −1%		

Hose Active Working Pressure–Working Life

Percentage of service life cycle



As shown,when active working pressure is 1.25 times recommended working pressure,the hose working life is only half of it under working in recommended working pressure

Active Working Pressure / Recommended Working Pressure (%)

Store Conditions of the Assembly

★If possible,the storing temperature range is within 0~35℃.During storing,temperature should not exceed 50℃.
★The storing areas can not place equipments which can produce ozone.For example mercury vapour lamp、highvoltage
electric device and other equipments which can produce spark or set out electricity.
★Can not be placed with erosive products or exposed over gasvolatile of these products.
Far away from heat source and equipments which ban produce electric field or magnetic field.
★Avoid sunshine or strong artificial light soure.
★Avoid to touch the sharp objects or the ground.
★Can not be piled up too high.
★Guarantee against rodent attacking.
★Observe the rule of “First in,then first out”.

One Wire Braid Hose（SAE 100 R1AT/EN853 1SN）



Inner Tube:Oil Resistant Synthetic Rubber
Reinforcement:A Single Wire Braid Reinforcement
Cover:Oil And Weather Resistant Synthetic
Temperature Range:–40℃~+100℃
Insert:xxxx1–xx–xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
1SN–03	5	-03	3/16	4.8	11.8	82.7	20.7	89	00110–03A
1SN–04	6	-04	1/4	6.4	13.4	75.8	19.0	102	00110–04A
1SN –05	8	-05	5/16	7.9	15.0	68.9	17.2	114	00110–05A
1SN –06	10	-06	3/8	9.5	17.4	62.0	15.5	127	00110–06A
1SN –08	12	-08	1/2	12.7	20.6	55.2	13.8	178	00110–08A
1SN –10	16	-10	5/8	15.9	23.7	41.4	10.3	203	00110–10A
1SN –12	20	-12	3/4	19.0	27.7	34.5	8.6	241	00110–12A
1SN –16	25	-16	1	25.4	35.6	27.6	6.9	305	00110–16A
1SN –20	32	-20	1.1/4	31.8	43.5	17.2	4.3	419	00110–20
1SN –24	40	-24	1.1/2	38.1	50.6	13.8	3.4	508	00110–24
1SN –32	50	-32	2	50.8	64.0	10.3	2.6	635	00110–32

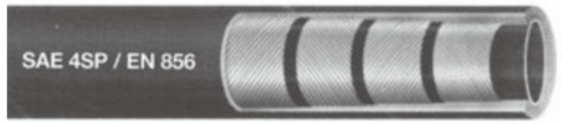
Two Wire Braid Hose（SAE 100 R2AT/EN853 2SN）



Inner Tube:Oil Resistant Synthetic Rubber
Reinforcement:Two Braids Of Wire Reinforcement
Cover:Oil And Weather Resistant Synthetic
Temperature Range:–40℃~+100℃
Insert:xxxx1–xx–xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
2SN–03	5	-03	3/16	4.8	13.4	137.9	34.5	89	03310–03
2SN–04	6	-04	1/4	6.4	15.0	137.9	34.5	102	03310–04
2SN–05	8	-05	5/16	7.9	16.7	117.2	29.3	114	03310–05
2SN–06	10	-06	3/8	9.5	19.1	110.3	27.6	127	03310–06
2SN–08	12	-08	1/2	12.7	22.2	96.5	24.1	178	03310–08
2SN–10	16	-10	5/8	15.9	25.4	75.8	19.0	203	03310–10
2SN–12	20	-12	3/4	19.0	29.3	62.0	15.5	241	03310–12
2SN–16	25	-16	1	25.4	38.1	55.2	13.8	305	03310–16
2SN–20	32	-20	1.1/4	31.8	48.3	44.8	11.2	419	00200–20
2SN–24	40	-24	1.1/2	38.1	54.6	34.5	8.6	508	00200–24
2SN–32	50	-32	2	50.8	67.4	31.0	7.8	635	00200–32

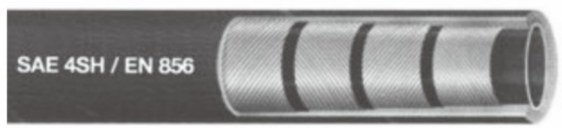
Wire Spiral Hose（GB/T 10544 4SP—EN 856 4SP）



Inner Tube:Oil Resistant Synthetic Rubber
Reinforcement:4 Wire Sprials Reinforcement
Cover:Oil And Weather Resistant Synthetic
Temperature Range:–40℃~+100℃
Insert:xxxx2–xx–xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
4SP–04	6	-04	1/4	6.4	17.9	180	45.0	150	00400–04
4SP–06	10	-06	3/8	9.5	21.4	178	44.5	180	00400–06
4SP–08	12	-08	1/2	12.7	24.6	166	41.5	230	00400–08
4SP–10	16	-10	5/8	15.9	28.2	140	35.0	250	00400–10
4SP–12	20	-12	3/4	19.0	32.2	140	35.0	300	00400–12
4SP–16	25	-16	1	25.4	39.7	112	28.0	340	00400–16
4SP–20	32	-20	1.1/4	31.8	50.8	84	21.0	460	00400–20
4SP–24	40	-24	1.1/2	38.1	57.2	74	18.5	560	00400–24
4SP–32	50	-32	2	50.8	69.8	66	16.5	660	00400–32

Wire Spiral Hose（GB/T 10544 4SH—EN 856 4SH）



Inner Tube:Oil Resistant Synthetic Rubber
Reinforcement:4 Wire Sprials Reinforcement
Cover:Oil And Weather Resistant Synthetic
Temperature Range:–40℃~+100℃
Insert:xxxx2–xx–xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
4SH–12	19	-12	3/4	19.0	32.2	168	42	280	00400–12
4SH–16	25	-16	1	25.4	38.7	152	38	340	00400–16
4SH–20	32	-20	1.1/4	31.8	45.5	130	32.5	460	00401–20
4SH–24	40	-24	1.1/2	38.1	53.5	116	29	560	00401–24
4SH–32	50	-32	2	50.8	68.1	100	25	700	00401–32

Wire Spiral Hose（GB/T 10544 R12—SAE 100 R12—EN 856 R12）



Inner Tube:Oil Resistant Synthetic Rubber
Reinforcement:4 Wire Sprials Reinforcement
Cover:Oil And Weather Resistant Synthetic
Temperature Range:–40℃~+121℃
Insert:xxxx2–xx–xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R12–06	10	-06	3/8	9.5	20.3	110.3	27.6	127	00400–06
R12–08	12	-08	1/2	12.7	23.8	110.3	27.6	178	00400–08
R12–10	16	-10	5/8	15.9	27.4	110.3	27.6	203	00400–10
R12–12	20	-12	3/4	19.0	30.7	110.3	27.6	241	00400–12
R12–16	25	-16	1	25.4	38.0	110.3	27.6	305	00400–16
R12–20	32	-20	1.1/4	31.8	47.0	82.7	20.7	419	01400–20
R12–24	40	-24	1.1/2	38.1	53.5	69.0	17.2	508	01400–24
R12–32	50	-32	2	50.8	66.7	69.0	17.2	635	00401–32

Wire Spiral Hose（GB/T 10544 R13—SAE 100 R13—EN 856 R13）



Inner Tube:Oil Resistant Synthetic Rubber
Reinforcement:Multiple Steel Sprials Reinforcement
Cover:Oil And Weather Resistant Synthetic
Temperature Range:–40℃~+121℃
Insert:xxxx3–xx–xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R13–12	20	-12	3/4	19.0	32.1	137.9	34.5	241	00621–12
R13–16	25	-16	1	25.4	38.7	137.9	34.5	305	00621–16
R13–20	32	-20	1.1/4	31.8	49.8	137.9	34.5	419	00621–20
R13–24	40	-24	1.1/2	38.1	57.3	137.9	34.5	508	00621–24
R13–32	50	-32	2	50.8	71.8	137.9	34.5	635	00621–32

Wire Spiral Hose（GB/T 10544 R15—SAE 100 R15）



Inner Tube:Oil Resistant Synthetic Rubber
Reinforcement:Multiple Steel Sprials Reinforcement
Cover:Oil And Weather Resistant Synthetic
Temperature Range:–40℃~+121℃
Insert:xxxx3–xx–xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R15–06	10	-06	3/8	9.5	20.6	168	42	130	00621–06(R15)
R15–08	12	-08	1/2	12.7	23.8	168	42	180	00621–08(R15)
R15–12	20	-12	3/4	19.0	31.6	168	42	280	00621–12(R15)
R15–16	25	-16	1	25.4	38.6	168	42	300	00621–16(R15)
R15–20	32	-20	1.1/4	31.8	49.6	168	42	400	00621–20(R15)
R15–24	40	-24	1.1/2	38.1	56.5	168	42	500	00621–24(R15)

Two Polyster Braid Hose（SAE 100 R7–EN 855 R7）



Inner Tube:Thermoplastic Polyester
Reinforcement:Two High Tenacity Polyester Braids Reinforcement
Cover:Oil,Fuel,Weather,Ozone And Abrasion Resistant Thermoplastic Polyurethane.
Temperature Range:–40℃~+93℃
Insert:xxxx1–xx–xx Series

HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R7–03	5	–03	3/16	4.8	9.5	82.7	20.7	40	00018–03
R7–04	6	–04	1/4	6.4	11.9	75.8	19.0	50	00018–04
R7–05	8	–05	5/16	7.9	14.3	68.9	17.2	60	00018–05
R7–06	10	–06	3/8	9.5	16.5	62.0	15.5	75	00018–06
R7–08	12	–08	1/2	12.7	20.4	55.2	13.8	95	00018–08

One Wire Braid–Textile Cover Hose（SAE 100 R6）



Inner Tube:Oil Resistant Synthetic Rubber
Reinforcement:One Textile Braid
Cover:One Textile Braid Embedded With Synthetic Rubber
Temperature Range:–40℃~+100℃
Insert:xxxx8–xx–xx Series

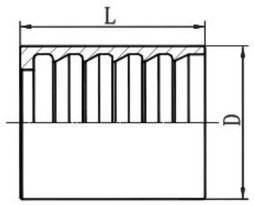
HOSE PART NO.	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	DASH	in	mm	mm	MPa	MPa	mm	
R6–04	6	–04	1/4	6.4	12.7	2.8	11.2	64	00518–04
R6–05	8	–05	5/16	7.9	14.3	2.8	11.2	76	00518–05
R6–06	10	–06	3/8	9.5	15.9	2.8	11.2	76	00518–06
R6–08	12	–08	1/2	12.7	19.8	2.8	11.2	102	00518–08
R6–10	16	–10	5/8	15.9	23.0	2.4	9.6	127	00518–10
R6–12	20	–12	3/4	19	26.0	2.1	8.4	152	00518–12
R6–16	25	–16	1	25.4	32.5	1.3	5.2	230	00518–16

PTFE Hose



Inner Tube:PTFE
Cover:A Single Braid OF Stainless Steel
Temperature Range:–54℃~+204℃
Insert:xxxx1–xx–xx Series

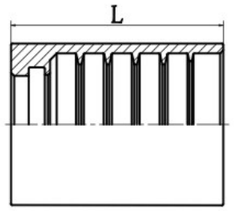
HOSE PART NO.	HOSE I.D.	HOSE O.D.	MIN.BURST PERS.	MAX.W.P.	MIN.BEND.RAD.	FERRULE
	mm	mm	MPa	MPa	mm	
HGW3051	5.1	8	79.3	26.4	63	00TF0–03
HGW3067	6.7	9	67.2	22.4	76	00TF0–04
HGW3084	8.4	11	62.1	20.7	101	00TF0–05
HGW1106	9.5	12.5	69.0	23.0	127	00TF0–06
HGW3134	13.4	16.5	48.3	16.1	152	00TF0–08
HGW3166	16.6	20	34.5	11.0	178	00TF0–10
HGW3198	19.8	23	31.0	10.3	203	00TF0–12
HGW3261	26.1	29.5	24.1	8.0	305	00TF0–16



00110

FERRULE FOR SAE 100R1AT/EN 853 1SN HOSE

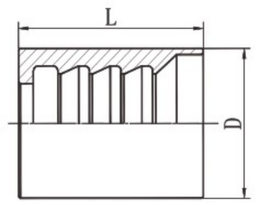
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00110–20	32	20	59
00110–24	40	24	74
00110–32	50	32	78



00110–A

FERRULE FOR SAE 100R1AT/EN 853 1SN HOSE

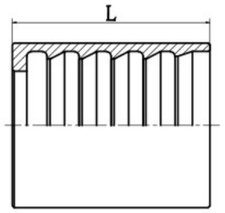
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00110–03A	5	03	23
00110–04A	6	04	30.5
00110–05A	8	05	30
00110–06A	10	06	32
00110–08A	12	08	34
00110–10A	16	10	37
00110–12A	20	12	42
00110–16A	25	16	51



00200

FERRULE FOR SAE 100R2AT/EN 853 2SN HOSE

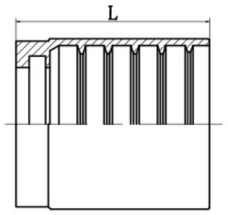
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00200–20	32	20	59
00200–24	40	24	74
00200–32	50	32	78



00210

FERRULE FOR SAE 100R2AT/DIN20022 2SN HOSE

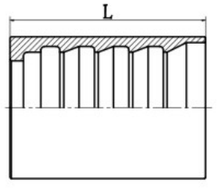
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00210–03	5	03	27
00210–04	6	04	30
00210–05	8	05	31
00210–06	10	06	32
00210–08	12	08	34
00210–10	16	10	37
00210–12	20	12	43
00210–16	25	16	50
00210–20	32	20	59
00210–24	40	24	74
00210–32	50	32	78
Don't recommend for engineering machine			



03310

FERRULE FOR SAE 100R2AT/EN 853 2SN HOSE

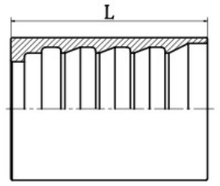
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
03310–03	5	03	23
03310–04	6	04	30.5
03310–05	8	05	30
03310–06	10	06	32
03310–08	12	08	34
03310–10	16	10	37
03310–12	19	12	42
03310–16	25	16	51



00400

FERRULE FOR 4SP、4SH/12–16、R12/06–16 HOSE

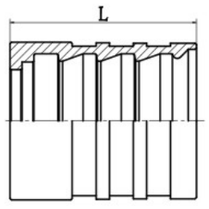
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00400–04	6	04	37.5
00400–06	10	06	39
00400–08	12	08	41
00400–10	16	10	43
00400–12	20	12	51
00400–16	25	16	61.5
00400–20	32	20	67.5
00400–24	40	24	75
00400–32	50	32	79



00401

FERRULE FOR 4SH、R12/32 HOSE

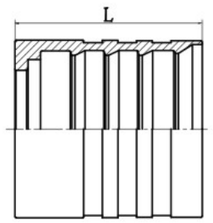
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00401–20	32	20	67.5
00401–24	40	24	75
00401–32	50	32	79



00402

FERRULE FOR SAE 100R9AT–R12，EN 856–4SP/04–16 HOSE

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00402–04	6	04	30
00402–06	10	06	33
00402–08	12	08	34
00402–10	16	10	39
00402–12	20	12	40
00402–16	25	16	51
00402–20	32	20	60
00402–24	40	24	70
00402–32	50	32	72

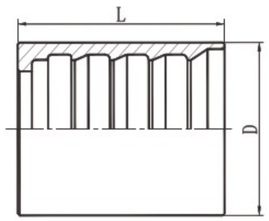


00403

FERRULE FOR EN 856–4SP HOSE

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00403–20	32	20	60
00403–24	40	24	70
00403–32	50	32	72

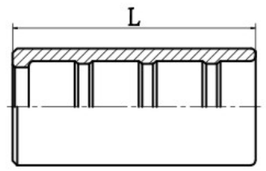
Note: Please consult distributor for crimping parameter.



01400

FERRULE FOR R12/20–24 HOSE

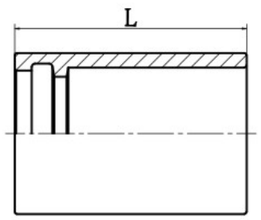
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
01400–20	32	20	67.5
01400–24	38	24	75



00018

FERRULE FOR SAE 100R7 HOSE

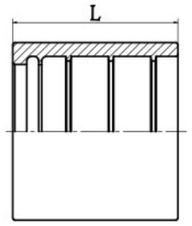
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00018–03	5	03	24
00018–04	6	04	29
00018–05	8	05	31
00018–06	10	06	31
00018–08	12	08	34
00018–10	16	10	36
00018–12	20	12	43



00TF0

FERRULE FOR TEFLON HOSE

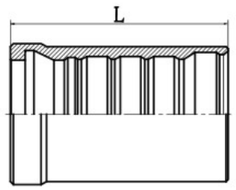
PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00TF0–03	4	03	27.5
00TF0–04	6	04	30.7
00TF0–05	8	05	30.6
00TF0–06	10	06	32.1
00TF0–08	12	08	34.3
00TF0–10	16	10	37
00TF0–12	20	12	42.8
00TF0–14	22	14	42.7
00TF0–16	25	16	50.8



00500

FERRULE FOR SAE 100R5 HOSE

PART NO.	HOSE BORE			DIMENSIONS
	DN	DASH	SAE DASH	L
00500–03	4	03	04	22.6
00500–04	6	04	05	25.7
00500–05	8	05	06	22.4
00500–07	11	07	08	26.2
00500–08	12	08	10	27.7
00500–10	16	10	12	29.7
00500–14	22	14	16	33.5
00500–18	28	18	20	42.7
00500–22	35	22	24	47.0
00500–29	46	29	32	50.8
00500–38	60	38	40	63.0

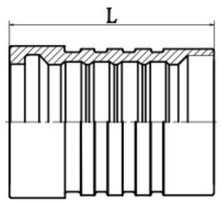


00421

INTERLOCK FERRULE FOR DIN20023 4SH HOSE

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00421–20	32	20	88
00421–24	40	24	102
00421–32	50	32	108

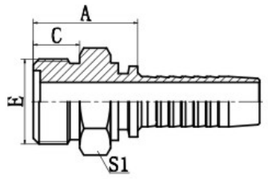
Note: 4SH–12, –16 hose crimping to use 00621–12, 00621–16 ferrule accordingly.



00621

INTERLOCK FERRULE FOR
GB/T 10544 R13/SAE 100R13/EN 856 R13 HOSE

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
00621–12	20	12	53
00621–16	25	15	66
00621–20	32	20	88.5
00621–24	40	24	102
00621–32	50	32	108

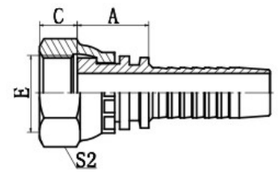


10311

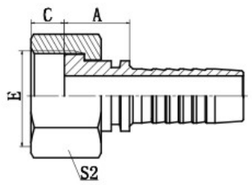
O–RING METRIC MALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
10311–12–04	M12X1.25	6	04	22.5	10	14
10311–14–04	M14X1.5	6	04	23.5	11	17
10311–16–04	M16X1.5	6	04	23.5	11	17
10311–16–05	M16X1.5	8	05	23.5	11	17
10311–16–06	M16X1.5	10	06	23.5	11	17
10311–18–06	M18X1.5	10	06	23.5	11	19
10311–22–05	M22X1.5	8	05	27	12	22
10311–22–06	M22X1.5	10	06	26	12	22
10311–22–08	M22X1.5	12	08	26.5	12	22
10311–27–10	M27X1.5	16	10	31.5	13	27
10311–30–12	M30X1.5	20	12	33.5	14	32
10311–36–12	M36X2	20	12	35.5	16	38
10311–36–14	M36X2	22	14	35.5	16	38
10311–39–16	M39X2	25	16	39	16	41
10311–45–20	M45X2	32	20	44.5	20	46
10311–52–24	M52X2	40	24	47.5	22	55
10311–64–32	M64X2	50	32	52.5	27	65

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 10312–xx–xx.



20211

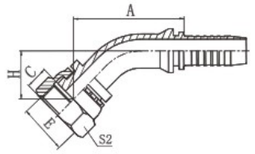


20211–T

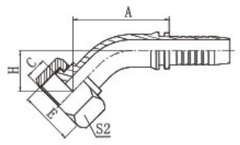
METRIC FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
20211–10–02	M10X1	4	02	14	6	14
20211–12–03	M12X1.25	5	03	14	8	17
20211–14–04	M14X1.5	6	04	15.5	8.5	19
20211–14–05	M14X1.5	8	05	15.5	8.5	19
20211–16–04	M16X1.5	6	04	16.5	8	22
20211–16–05	M16X1.5	8	05	16.5	8	22
20211–16–06	M16X1.5	10	06	16.5	8	22
20211–18–05T	M18X1.5	8	05	17.5	8	24
20211–18–06	M18X1.5	10	06	17.5	8	24
20211–20–06T	M20X1.5	10	06	16	10	24
20211–20–08	M20X1.5	12	08	18.5	10	27
20211–22–06T	M22X1.5	10	06	16	10	27
20211–22–08	M22X1.5	12	08	18.5	10	27
20211–22–10	M22X1.5	16	10	19.5	10	27
20211–24–08T	M24X1.5	12	08	16.5	11	30
20211–24–10	M24X1.5	16	10	20.5	10.5	30
20211–27–08T	M27X1.5	12	08	18.5	10	32
20211–27–10T	M27X1.5	16	10	19.5	10	32
20211–30–12	M30X1.5	20	12	21.5	11	36
20211–33–14	M33X2	22	14	21.5	13	41
20211–36–12T	M36X2	20	12	20	13	41
20211–36–14T	M36X2	22	14	20	13	41
20211–39–16T	M39X2	25	16	23.5	13	46
20211–42–20	M42X2	32	20	26	15	50
20211–45–20T	M45X2	32	20	25	15	55
20211–52–24T	M52X2	40	24	25	17	60
20211–60–28T	M60X2	45	28	26	20	70
20211–64–32T	M64X2	50	32	26	23	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20212–xx–xx.



20231

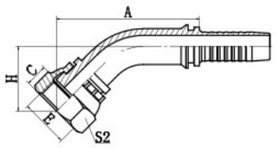


20231-T

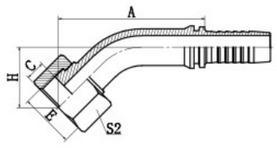
30° METRIC FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20231-22-08	M22X1.5	12	08	63.3	10	15	27
20231-27-10T	M27X1.5	16	10	73.7	10	15.1	32
20231-30-12	M30X1.5	20	12	84.4	11	18.6	36
20231-36-12T	M36X2	20	12	92.5	13	18.8	41
20231-39-16T	M39X2	25	16	90.2	13	17.8	46
20231-45-20T	M45X2	32	20	102.8	15	20	55
20231-52-24T	M52X2	40	24	116.2	17	21.8	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20232-xx-xx.



20241

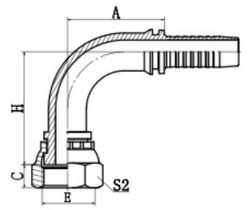


20241-T

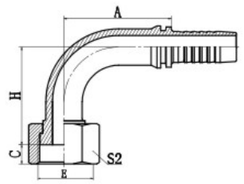
45° METRIC FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20241-14-04	M14X1.5	6	04	40.5	8.5	18.5	19
20241-14-05	M14X1.5	8	05	42.7	8.5	19.3	19
20241-16-05	M16X1.5	8	05	44.4	8.5	20	22
20241-18-06	M18X1.5	10	06	45.7	8	21.4	24
20241-22-08	M22X1.5	12	08	58.9	10	24	27
20241-27-10T	M27X1.5	16	10	68.6	10	24.3	32
20241-30-12	M30X1.5	20	12	78.1	11	30	36
20241-36-12T	M36X2	20	12	75	13	27.5	41
20241-36-14T	M36X2	22	14	77.3	13	27	41
20241-36-16	M36X2	25	16	85.7	13	31.5	41
20241-39-16T	M39X2	25	16	83.9	13	29.7	46
20241-42-20W	M42X2	32	20	95.9	15	35.2	50
20241-45-20T	M45X2	32	20	94.5	15	33.8	55
20241-52-20T	M52X2	32	20	94.5	17	33.8	60
20241-52-24T	M52X2	40	24	108.5	17	37.7	60
20241-60-28T	M60X2	45	28	118.7	20	43.6	70
20241-64-32T	M64X2	50	32	127.8	23	45.6	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20242-xx-xx.



20291

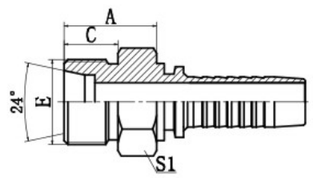


20291-T

90° METRIC FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20291-12-02	M12X1.25	4	02	26.5	8	30.5	17
20291-12-04	M12X1.25	6	04	30	8	33.5	17
20291-14-04	M14X1.5	6	04	30	8.5	34	19
20291-14-05	M14X1.5	8	05	33	8.5	37	19
20291-16-04	M16X1.5	6	04	30	8	35	22
20291-16-05	M16X1.5	8	05	34	8	38	22
20291-16-06	M16X1.5	10	06	35.3	8	40.3	22
20291-18-05T	M18X1.5	8	05	33	8	39	24
20291-18-06	M18X1.5	10	06	35.75	8	41.3	24
20291-22-08	M22X1.5	12	08	41	10	48	27
20291-22-10	M22X1.5	16	10	57.5	10	53	27
20291-24-08T	M24X1.5	12	08	41	11	45.5	30
20291-27-04T	M27X1.5	6	04	30	10	35.5	32
20291-27-08T	M27X1.5	12	08	41	10	46	32
20291-27-10T	M27X1.5	16	10	56	10	51	32
20291-30-12	M30X1.5	20	12	66.2	11	63.5	36
20291-33-14	M33X2	22	14	71.2	13	65	41
20291-36-14T	M36X2	22	14	71.2	13	61	41
20291-36-16	M36X2	25	16	76.7	13	70	41
20291-39-16T	M39X2	25	16	76.7	13	67.5	46
20291-42-20	M42X2	32	20	91.5	15	82.5	50
20291-45-20T	M45X2	32	20	91.5	15	78.5	55
20291-52-20T	M52X2	32	20	91.5	17	78.5	60
20291-52-24T	M52X2	40	24	109.4	17	92	60
20291-60-28T	M60X2	45	28	119.9	20	106.5	70
20291-64-32T	M64X2	50	32	130.95	23	113.3	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20292-xx-xx.

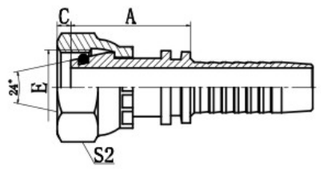


10411

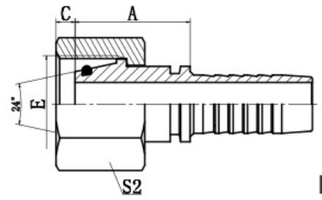
METRIC MALE 24° CONE SEAT L.T.
ISO 84341–1––DIN 3861

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		A	C	S1
10411–12–04	M12X1.5	6	04	6	20.5	10	12
10411–14–04	M14X1.5	6	04	8	20.5	10	14
10411–14–05	M14X1.5	8	05	8	21.5	10	14
10411–16–04	M16X1.5	6	04	10	22.5	11	17
10411–16–05	M16X1.5	8	05	10	22.5	11	17
10411–16–06	M16X1.5	10	06	10	22.5	11	17
10411–18–05	M18X1.5	8	05	12	23.5	11	19
10411–18–06	M18X1.5	10	06	12	21.5	11	19
10411–22–06	M22X1.5	10	06	15	24.5	12	24
10411–22–08	M22X1.5	12	08	15	26	12	24
10411–26–08	M26X1.5	12	08	18	26.5	12	27
10411–26–10	M26X1.5	16	10	18	27	12	27
10411–27–10	M27X1.5	16	10	18	32	14	30
10411–30–10	M30X2	16	10	22	29	14	32
10411–30–12	M30X2	20	12	22	29	14	32
10411–36–16	M36X2	25	16	28	31.5	14	38
10411–45–20	M45X2	32	20	35	36	16	46
10411–52–24	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 10412–xx–xx.



20411

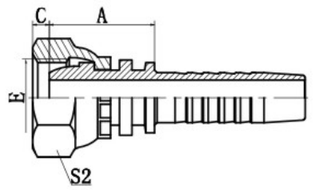


20411–T

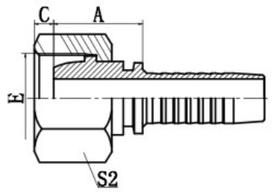
METRIC FEMALE 24° CONE
O–RING L.T.ISO 1251–2––DIN3865

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS		
		DN	DASH			A	C	S2
20411–12–04	M12X1.5	6	04	6	O04.5 × 1.5	26	1	17
20411–14–04	M14X1.5	6	04	8	O06.5 × 1.5	27.5	2	19
20411–14–06	M14X1.5	10	06	8	O06.5 × 1.5	27.5	2	19
20411–16–04	M16X1.5	6	04	10	O08.0 × 1.5	28	2	22
20411–16–05	M16X1.5	8	05	10	O08.0 × 1.5	28	2	22
20411–16–06	M16X1.5	10	06	10	O08.0 × 1.5	28	2	22
20411–18–05T	M18X1.5	8	05	12	O10.0 × 1.5	24.5	1.5	22
20411–18–06	M18X1.5	10	06	12	O10.0 × 1.5	29	2.5	24
20411–18–08	M18X1.5	12	08	12	O10.0 × 1.5	29.5	2.5	24
20411–22–05T	M22X1.5	8	05	15	O12.0 × 2.0	26.5	3	27
20411–22–06T	M22X1.5	10	06	15	O12.0 × 2.0	26.5	3	27
20411–22–08	M22X1.5	12	08	15	O12.0 × 2.0	32	2.5	27
20411–26–10	M26X1.5	16	10	18	O15.0 × 2.0	34.5	2.5	32
20411–26–12	M26X1.5	20	12	18	O15.0 × 2.0	35	2.5	32
20411–30–10T	M30X2	16	10	22	O20.0 × 2.0	31	3.8	36
20411–30–12	M30X2	20	12	22	O20.0 × 2.0	39	4	36
20411–36–12T	M36X2	20	12	28	O26.0 × 2.0	33	4.5	46
20411–36–14T	M36X2	22	14	28	O26.0 × 2.0	33	4.5	46
20411–45–16T	M45X2	25	16	35	O32.0 × 2.5	37	4	55
20411–45–20T	M45X2	32	20	35	O32.0 × 2.5	37.5	4	55
20411–52–20T	M52X2	32	20	42	O38.0 × 2.5	38.5	4	60
20411–52–24T	M52X2	40	24	42	O38.0 × 2.5	38.5	4	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20412–xx–xx.



20411C

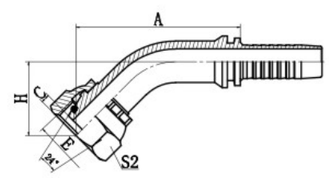


20411C–T

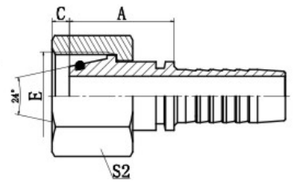
METRIC FEMALE 24° MULTISEAL L.T.DIN 3868

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		A	C	S1
20411C–12–04	M12 × 1.5	6	04	6	19.5	3.5	17
20411C–14–04	M14 × 1.5	6	04	8	20.5	3.5	19
20411C–16–04	M16 × 1.5	6	04	10	21	3.5	22
20411C–16–05	M16 × 1.5	8	05	10	21	3.5	22
20411C–16–06	M16 × 1.5	10	06	10	21	3.5	22
20411C–18–06	M18 × 1.5	10	06	12	22.5	3	24
20411C–22–06T	M22 × 1.5	10	06	15	23.5	4.5	27
20411C–22–08	M22 × 1.5	12	08	15	24	4.5	27
20411C–26–10	M26 × 1.5	16	10	18	27	4	32
20411C–30–10T	M30 × 2	16	10	22	26.5	7	36
20411C–30–12	M30 × 2	20	12	22	27	7	36
20411C–30–14	M30 × 2	22	14	22	27	7	36
20411C–36–16	M36 × 2	25	16	28	29	6.5	41
20411C–45–20T	M45 × 2	32	20	35	33	7	55
20411C–52–24T	M52 × 2	40	24	42	34	8	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20412C–xx–xx.



20441

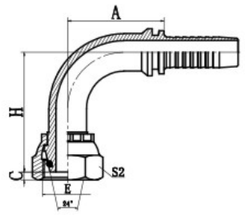


20441–T

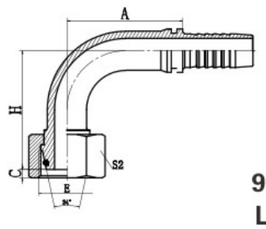
45° METRIC FEMALE 24° CONE O–RING L.T.ISO 12151–2––DIN3865

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
20441–14–04	M14 × 1.5	6	04	8	O06.5 × 1.5	44.1	2	22	19
20441–16–05	M16 × 1.5	8	05	10	O08.0 × 1.5		2		22
20441–16–06	M16 × 1.5	10	06	10	O08.0 × 1.5		2		22
20441–18–05T	M18 × 1.5	8	05	12	O10.0 × 1.5		1.5		22
20441–18–06	M18 × 1.5	10	06	12	O10.0 × 1.5		2.5		24
20441–22–05T	M22 × 1.5	8	05	15	O12.0 × 2.0		3		27
20441–22–06T	M22 × 1.5	10	06	15	O12.0 × 2.0		3		27
20441–22–08	M22 × 1.5	12	08	15	O12.0 × 2.0		2.5		27
20441–26–08T	M26 × 1.5	12	08	18	O15.0 × 2.0		2.1		32
20441–26–10	M26 × 1.5	16	10	18	O15.0 × 2.0		2.5		32
20441–26–12	M26 × 1.5	20	12	18	O15.0 × 2.0		2.5		32
20441–30–10T	M30 × 2	16	10	22	O20.0 × 2.0		3.8		36
20441–30–12	M30 × 2	20	12	22	O20.0 × 2.0		4		36
20441–36–12T	M36 × 2	20	12	28	O26.0 × 2.0		4.5		46
20441–36–14T	M36 × 2	22	14	28	O26.0 × 2.0		4.5		46
20441–45–20T	M45 × 2	32	20	35	O32.0 × 2.5		4		55
20441–52–20T	M52 × 2	32	20	42	O38.0 × 2.5		4		60
20441–52–24T	M52 × 2	40	24	42	O38.0 × 2.5		4		60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20442–xx–xx.



20491

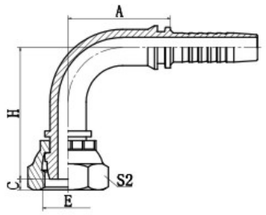


20491-T

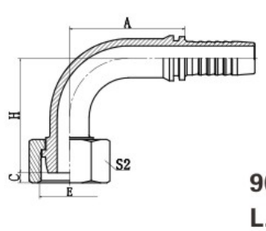
90° METRIC FEMALE 24° CONE O-RING
L.T.ISO 12151-2--DIN3865

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS	
		DN	DASH			C	S2
20491-12-03	M12 × 1.5	5	03	6	O04.5 × 1.5	1	17
20491-12-04	M12 × 1.5	6	04	6	O04.5 × 1.5	1	17
20491-14-04	M14 × 1.5	6	04	8	O06.5 × 1.5	2	19
20491-16-04	M16 × 1.5	6	04	10	O08.0 × 1.5	2	22
20491-16-05	M16 × 1.5	8	05	10	O08.0 × 1.5	2	22
20491-16-06	M16 × 1.5	10	06	10	O08.0 × 1.5	2	22
20491-18-05T	M18 × 1.5	8	05	12	O10.0 × 1.5	1.5	22
20491-18-06	M18 × 1.5	10	06	12	O10.0 × 1.5	2.5	24
20491-22-06T	M22 × 1.5	10	06	15	O12.0 × 2.0	3	27
20491-22-08	M22 × 1.5	12	08	15	O12.0 × 2.0	2.5	27
20491-26-08T	M26 × 1.5	12	08	18	O15.0 × 2.0	2.1	32
20491-26-10	M26 × 1.5	16	10	18	O15.0 × 2.0	2.5	32
20491-26-12	M26 × 1.5	20	12	18	O15.0 × 2.0	2.5	32
20491-30-10T	M30 × 2	16	10	22	O20.0 × 2.0	3.8	36
20491-30-12	M30 × 2	20	12	22	O20.0 × 2.0	4	36
20491-36-12T	M36 × 2	20	12	28	O26.0 × 2.0	4.5	46
20491-36-14T	M36 × 2	22	14	28	O26.0 × 2.0	4.5	46
20491-45-16T	M45 × 2	25	16	35	O32.0 × 2.5	4	55
20491-45-20T	M45 × 2	32	20	35	O32.0 × 2.5	4	55
20491-52-20T	M52 × 2	32	20	42	O38.0 × 2.5	4	60
20491-52-24T	M52 × 2	40	24	42	O38.0 × 2.5	4	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20492-xx-xx.



20491C

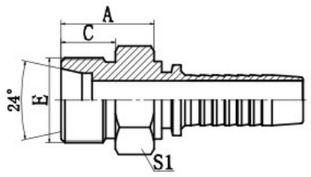


20491C-T

90° METRIC FEMALE 24° MULTISEAL
L.T. DIN 3868

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS			
		DN	DASH		A	C	H	S2
20491C-14-04	M14 × 1.5	6	04	8	30	3.5	39.5	19
20491C-16-04	M16 × 1.5	6	04	10	30	3.5	40	22
20491C-16-05	M16 × 1.5	8	05	10	33	3.5	43	22
20491C-16-06	M16 × 1.5	10	06	10	35.25	3.5	45.2	22
20491C-18-06	M18 × 1.5	10	06	12	35.25	3	47.25	24
20491C-22-08	M22 × 1.5	12	08	15	41	4.5	53	27
20491C-26-10	M26 × 1.5	16	10	18	56.5	4	60	32
20491C-30-12	M30 × 2	20	12	22	65.5	7	68.5	36
20491C-36-12T	M36 × 2	20	12	28	65.5	6.5	67.5	41

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20492C-xx-xx.

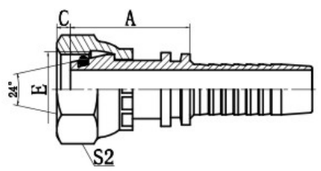


10511

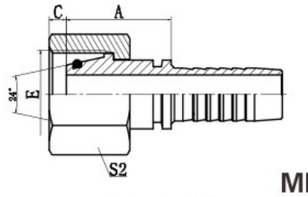
METRIC MALE 24° CONE SEAT H.T.
ISO–84341––DIN 3861

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		A	C	S1
10511–14–04	M14 × 1.5	6	04	6	241	12	14
10511–16–04	M16 × 1.5	6	04	8	26.5	12	17
10511–18–04	M18 × 1.5	6	04	10	26.5	12	19
10511–20–05	M20 × 1.5	8	05	12	27	12	22
10511–20–06	M20 × 1.5	10	06	12	26.5	12	22
10511–22–05	M22 × 1.5	8	05	14	30.5	14	24
10511–22–06	M22 × 1.5	10	06	14	30.5	14	24
10511–22–08	M22 × 1.5	12	08	14	31	14	24
10511–24–08	M24 × 1.5	12	08	16	31.5	14	27
10511–30–10	M30 × 2	16	10	20	36	16	32
10511–30–12	M30 × 2	20	12	20	36	16	32
10511–36–12	M36 × 2	20	12	25	40.5	18	41
10511–36–16	M36 × 2	25	16	25	41.5	18	38
10511–42–16	M42 × 2	25	16	30	44	20	46
10511–42–20	M42 × 2	32	20	30	45	20	46
10511–52–20	M52 × 2	32	20	38	50	22	55

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 10512–xx–xx.



20511

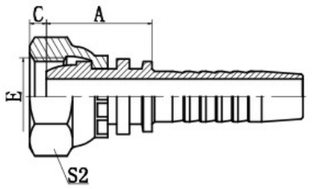


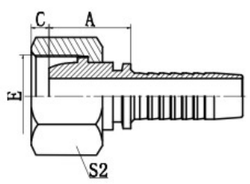
20511–T

METRIC FEMALE24° CONE O–RING
L.T. ISO12151–2–DIN 3865

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS		
		DN	DASH			A	C	S2
20511–14–04	M16 × 1.5	6	04	6	O04.5X1.5	29	1.5	19
20511–16–04	M16 × 1.5	6	04	8	O06.5X1.5	29	1.5	22
20511–16–05	M16 × 1.5	8	05	8	O06.5X1.5	29	1.5	22
20511–18–04T	M18 × 1.5	6	04	10	O08.0X1.5	25.5	1.5	22
20511–18–06	M18 × 1.5	10	06	10	O08.0X1.5	29	2	24
20511–20–06T	M20 × 1.5	10	06	12	O10.0X1.5	26.5	2.5	24
20511–20–08	M20 × 1.5	12	08	12	O10.0X1.5	31.5	2.5	27
20511–22–06T	M22 × 1.5	10	06	14	O11.0X2.0	26.5	3	27
20511–22–08	M22 × 1.5	12	08	14	O11.0X2.0	31.5	2.5	27
20511–24–06T	M24 × 1.5	10	06	16	O13.0X2.0	27	3	30
20511–24–08T	M24 × 1.5	12	08	16	O13.0X2.0	27.5	3	30
20511–30–10T	M30 × 2	16	10	20	O16.3X2.4	33	2.5	36
20511–30–12	M30 × 2	20	12	20	O16.3X2.4	39	3	36
20511–36–12T	M36 × 2	20	12	25	O20.3X2.4	35	3.2	46
20511–36–14T	M36 × 2	22	14	25	O20.3X2.4	34	3.2	46
20511–42–12T	M42 × 2	20	12	30	O25.3X2.4	37.5	3.9	50
20511–42–16T	M42 × 2	25	16	30	O25.3X2.4	38.5	3.9	50
20511–52–20T	M52 × 2	32	20	38	O33.3X2.4	41.5	4.5	60
20511–52–24T	M52 × 2	40	24	38	O33.3X2.4	41.5	4.5	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20512–xx–xx.



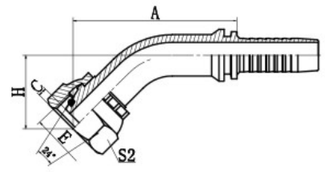


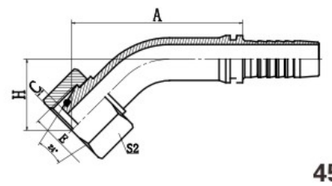
20511C **20511C–T**

METRIC FEMALE 24° MULTISEAL H.T.

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		A	C	S2
20511C–18–04T	M18 × 1.5	6	04	10	21	3	22
20511C–20–05T	M20 × 1.5	8	05	12	21.5	4.5	24
20511C–20–06T	M20 × 1.5	10	06	12	21.5	4.5	24
20511C–22–06T	M22 × 1.5	10	06	14	21.5	4.5	27
20511C–24–08T	M24 × 1.5	12	08	16	23	5	30
20511C–30–10T	M30 × 2	16	10	20	26.5	7	36
20511C–36–12T	M36 × 2	20	12	25	27	6.5	41
20511C–42–16T	M42 × 2	25	16	30	29.5	9	50
20511C–52–20T	M52 × 2	32	20	38	34	8	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20512C–xx–xx.



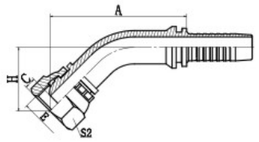
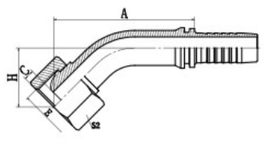


20541 **20541–T**

45° METRIC FEMALE 24° CONE
O–RING H.T. ISO12151–2–DIN 3865

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS	
		DN	DASH			C	S2
20541–14–04	M14 × 1.5	6	04	6	O04.5 × 1.5	1.5	19
20541–16–04	M16 × 1.5	6	04	8	O06.5 × 1.5	1.5	22
20541–16–05	M16 × 1.5	8	05	8	O06.5 × 1.5	1.5	22
20541–18–04T	M18 × 1.5	6	04	10	O08.0 × 1.5	1.5	22
20541–18–06	M18 × 1.5	10	06	10	O08.0 × 1.5	2	24
20541–20–06T	M20 × 1.5	10	06	12	O10.0 × 1.5	2.5	24
20541–20–08	M20 × 1.5	12	08	12	O10.0 × 1.5	2.5	27
20541–22–06T	M22 × 1.5	10	06	14	O11.0 × 2.0	3	27
20541–22–08	M22 × 1.5	12	08	14	O11.0 × 2.0	2.5	27
20541–24–08T	M24 × 1.5	12	08	16	O13.0 × 2.0	3	30
20541–30–10T	M30 × 2	16	10	20	O16.3 × 2.4	2.5	36
20541–30–12	M30 × 2	20	12	20	O16.3 × 2.4	3	36
20541–36–12T	M36 × 2	20	12	25	O20.3 × 2.4	3.2	46
20541–36–14T	M36 × 2	22	14	25	O20.3 × 2.4	3.2	46
20541–42–16T	M42 × 2	25	16	30	O25.3 × 2.4	3.9	50
20541–52–20T	M52 × 2	32	20	38	O33.3 × 2.4	4.5	60
20541–52–24T	M52 × 2	40	24	38	O33.3 × 2.4	4.5	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20542–xx–xx.

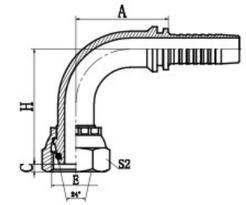
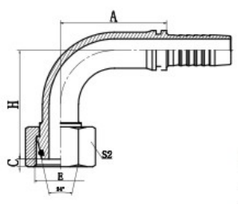



45° METRIC FEMALE 24° MULTISEAL H.T.

20541C **20541C–T**

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS			
		DN	DASH		A	C	H	S2
20541C–16–04	M16 × 1.5	6	04	8	44.8	3	22.7	19
20541C–18–04T	M18 × 1.5	6	04	10	43.7	3	21.6	22
20541C–20–06T	M20 × 1.5	10	06	12	48.9	4.5	24.6	24
20541C–24–08T	M24 × 1.5	12	08	16	61.4	2.5	26.5	30

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20542C–xx–xx.

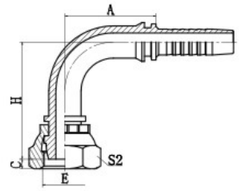
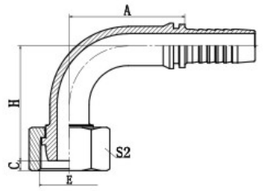



90° METRIC FEMALE 24° CONE O–RING H.T.
ISO12151.2–DIN 3865

20591 **20591–T**

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS	
		DN	DASH			C	S2
20591–14–04	M16 × 1.5	6	04	6	O04.5 × 1.5	1.5	19
20591–16–04	M16 × 1.5	6	04	8	O06.5 × 1.5	1.5	22
20591–16–05	M16 × 1.5	8	05	8	O06.5 × 1.5	1.5	22
20591–18–05T	M18 × 1.5	8	05	10	O08.0 × 1.5	1.5	22
20591–18–06	M18 × 1.5	10	06	10	O08.0 × 1.5	2	24
20591–20–06T	M20 × 1.5	10	06	12	O10.0 × 1.5	2.5	24
20591–20–08	M20 × 1.5	12	08	12	O10.0 × 1.5	2.5	27
20591–22–06T	M22 × 1.5	10	06	14	O11.0 × 2.0	3	27
20591–22–08	M22 × 1.5	12	08	14	O11.0 × 2.0	2.5	27
20591–24–08T	M24 × 1.5	12	08	16	O13.0 × 2.0	3	30
20591–24–10	M24 × 1.5	16	10	16	O13.0 × 2.0	2.5	30
20591–30–10T	M30 × 2	16	10	20	O16.3 × 2.4	2.5	36
20591–30–12	M30 × 2	20	12	20	O16.3 × 2.4	3	36
20591–36–12T	M36 × 2	20	12	25	O20.3 × 2.4	3.2	46
20591–36–14T	M36 × 2	22	14	25	O20.3 × 2.4	3.2	46
20591–42–16T	M42 × 2	25	16	30	O25.3 × 2.4	3.9	50
20591–52–20T	M52 × 2	32	20	38	O33.3 × 2.4	4.5	60
20591–52–24T	M52 × 2	40	24	38	O33.3 × 2.4	4.5	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20592–xx–xx.

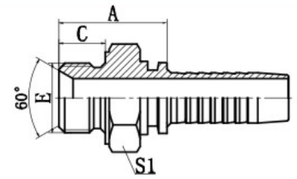



90° METRIC FEMALE 24° MULTISEAL H.T.

20591C **20591C–T**

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS			
		DN	DASH		A	C	H	S2
20591C–16–04	M16 × 1.5	6	04	8	30	3	40	22
20591C–18–04T	M18 × 1.5	6	04	10	30	3	38.5	22
20591C–20–05T	M20 × 1.5	8	05	12	33	4.5	42	24
20591C–20–06T	M20 × 1.5	10	06	12	35.3	4.5	45.7	24
20591C–22–06T	M22 × 1.5	10	06	14	35.3	4.5	44.7	27
20591C–24–08T	M24 × 1.5	12	08	16	41	5	52	30
20591C–30–10T	M30 × 2	16	10	20	56.5	7	56.5	36
20591C–36–12T	M36 × 2	20	12	25	65.5	6.5	66.5	41
20591C–42–16T	M42 × 2	25	16	30	78	9	73.5	50
20591C–52–20T	M52 × 2	32	20	38	93	8	87.5	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20592C–xx–xx.

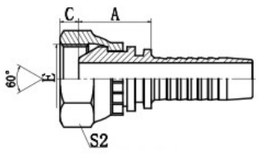


10611

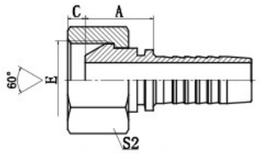
METRIC MALE 60° CONE SEAT WITH BONDED SEAL

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
10611–14–04	M14 × 1.5	6	04	23.5	11	19
10611–14–06	M14 × 1.5	10	06	25	11	19
10611–16–04	M16 × 1.5	6	04	27.5	12	22
10611–16–05	M16 × 1.5	8	05	27.5	12	22
10611–18–06	M18 × 1.5	10	06	29.5	12	24
10611–22–06	M22 × 1.5	10	06	30.5	14	27
10611–22–08	M22 × 1.5	12	08	31	14	27
10611–24–10	M24 × 1.5	16	10	35	14	30
10611–26–10	M26 × 1.5	16	10	35	16	32
10611–27–10D	M27 × 1.5	16	10	35	16	32
10611–27–10	M27 × 2	16	10	37	18	32
10611–30–12D	M30 × 1.5	20	12	38	18	36
10611–30–12	M30 × 2	20	12	38	18	36
10611–33–16	M33 × 2	25	16	43	20	46
10611–42–20	M42 × 2	32	20	46	20	50
10611–45–20	M45 × 2	32	20	46	20	55
10611–48–24	M48 × 2	40	24	46	20	55
10611–52–24	M52 × 2	40	24	46	20	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 10612–xx–xx.



20611

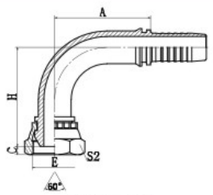


20611–T

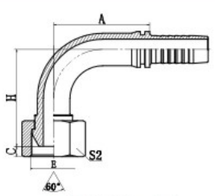
METRIC MALE 60° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
20611–14–04	M14 × 1.5	6	04	18	5.5	19
20611–16–05	M16 × 1.5	8	05	19	5.5	22
20611–16–06	M16 × 1.5	10	06	19	5.5	22
20611–18–06	M18 × 1.5	10	06	20	5.5	24
20611–20–08	M20 × 1.5	12	08	22	6.5	27
20611–22–08	M22 × 1.5	12	08	22.5	6	27
20611–24–10	M24 × 1.5	16	10	24.5	6.5	30
20611–26–10	M26 × 1.5	16	10	25.5	6	32
20611–27–10DT	M27 × 1.5	16	10	25.5	6	32
20611–27–10T	M27 × 2	16	10	25.5	6	32
20611–30–10D	M30 × 1.5	16	10	26.5	6	36
20611–30–12D	M30 × 1.5	20	12	26.5	6	36
20611–30–12	M30 × 2	20	12	26.5	6	36
20611–36–16	M36 × 2	25	16	30	6.5	41
20611–39–16T	M39 × 2	25	16	30	6.5	46
20611–45–20T	M45 × 2	32	20	31	8.5	55
20611–52–24T	M52 × 2	40	24	32	10	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20612–xx–xx.



20691

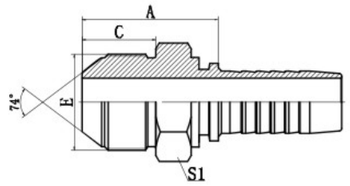


20691–T

90° METRIC MALE 60° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20691–14–04	M14 × 1.5	6	04	30	5.5	37	19
20691–16–05	M16 × 1.5	8	05	33	5.5	40.5	22
20691–18–06	M18 × 1.5	10	06	35.3	5.5	43.8	24
20691–22–08	M22 × 1.5	12	08	41	6	52	27
20691–27–10DT	M27 × 1.5	16	10	56	6	55	32
20691–30–12D	M30 × 1.5	20	12	66.2	6	68.5	36
20691–36–16	M36 × 2	25	16	78	6.5	76.5	41
20691–36–14T	M36 × 2	22	14	71.2	6.5	67.5	41
20691–39–16T	M39 × 2	25	16	76.7	6.5	74	46
20691–45–20T	M45 × 2	32	20	91.5	8.5	85	55
20691–52–24T	M52 × 2	40	24	109.4	10	99	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20692–xx–xx.

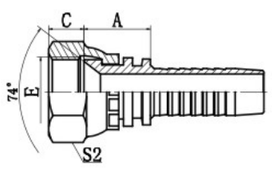


10711

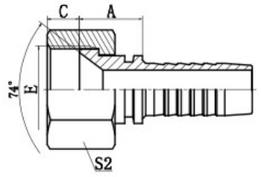
GB METRIC MALE 74° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
10711–10–02	M10 × 1	4	02	23	12.5	14
10711–10–03	M10 × 1	5	03	23	12.5	14
10711–12–03	M12 × 1.5	5	03	26.5	15.7	14
10711–12–03C	M12 × 1.25	5	03	24.5	14	14
10711–14–04	M14 × 1.5	6	04	30.5	18	17
10711–14–06	M14 × 1.5	10	06	30.5	18	17
10711–16–05	M16 × 1.5	8	05	31.5	19	17
10711–16–06	M16 × 1.5	10	06	31.5	19	17
10711–18–06	M18 × 1.5	10	06	31.5	19	19
10711–22–08	M22 × 1.5	12	08	35	19.5	22
10711–24–08	M24 × 1.5	12	08	37	20	24
10711–27–10	M27 × 1.5	16	10	38.5	20.5	27
10711–30–12	M30 × 1.5	20	12	42.5	23	32
10711–30–12E	M30 × 2	20	12	45.5	26	32
10711–33–12	M33 × 2	20	12	45	26	36
10711–36–14	M36 × 2	22	14	45	26	38
10711–39–16	M39 × 2	25	16	48	27.5	41
10711–42–20	M42 × 2	32	20	52	28.5	46
10711–45–20	M45 × 2	32	20	52	28.5	46

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 10712–xx–xx.



20711

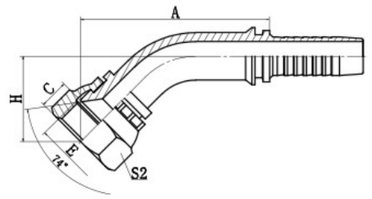


20711–T

GB METRIC FEMALE 74° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
20711–10–02	M10X1	4	02	14	7.5	14
20711–12–03C	M12X1.25	5	03	14	9	17
20711–12–03	M12X1.5	5	03	14	10	17
20711–12–04	M12X1.5	6	04	14.5	10	17
20711–14–04	M14X1.5	6	04	15.5	8.5	19
20711–14–05	M14X1.5	8	05	15.5	8.5	19
20711–14–06	M14X1.5	10	06	15.5	8.5	19
20711–16–04	M16X1.5	6	04	16.5	8	22
20711–16–05	M16X1.5	8	05	16.5	8	22
20711–16–06	M16X1.5	10	06	16	8	22
20711–18–05T	M18X1.5	8	05	16	8	22
20711–18–06	M18X1.5	10	06	17.5	10	24
20711–20–06T	M20X1.5	10	06	16	10	24
20711–20–08	M20X1.5	12	08	18.5	10	27
20711–22–06T	M22X1.5	10	06	16	10	27
20711–22–08	M22X1.5	12	08	18.5	10	27
20711–22–10	M22X1.5	16	10	19.5	10	27
20711–24–08T	M24X1.5	12	08	16.5	11	30
20711–27–08T	M27X1.5	12	08	18.5	11	32
20711–27–10T	M27X1.5	16	10	19.5	11	32
20711–27–12	M27X1.5	20	12	21.5	11	32
20711–30–10T	M30X1.5	16	10	18.5	11	36
20711–30–12	M30X1.5	20	12	21.5	11	36
20711–33–10T	M33X2	16	10	20	13	41
20711–33–12T	M33X2	20	12	20	13	41
20711–33–14	M33X2	22	14	21.5	13	41
20711–36–12T	M36X2	20	12	20	14	41
20711–36–14T	M36X2	22	14	20	14	41
20711–36–16	M36X2	25	16	23	14	41
20711–39–16T	M39X2	25	16	23.5	14	46
20711–42–16T	M42X2	25	16	23.5	15	50
20711–42–20	M42X2	32	20	26	15	50
20711–45–20T	M45X2	32	20	25	15	55
20711–52–24T	M52X2	40	24	25	17	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20712–xx–xx.

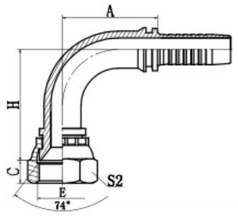


20741

45° GB METRIC FEMALE 74° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20741–14–04	M14 × 1.5	6	04	40.5	8.5	18.5	19
20741–16–05	M16 × 1.5	8	05	44.4	8	20	22
20741–18–06	M18 × 1.5	10	06	45.7	10	21.4	24
20741–22–08	M22 × 1.5	12	08	58.9	10	24	27
20741–27–10	M27 × 1.5	16	10	70.7	11	26.4	32
20741–30–12	M30 × 1.5	20	12	78.1	11	30	36
20741–33–12	M33 × 2	20	12	77.4	13	30	41
20741–33–16	M33 × 2	25	16	85	13	30.8	41
20741–36–14	M36 × 2	22	14	79.8	14	29.6	41
20741–36–16	M36 × 2	25	16	85.7	14	31.5	41
20741–39–16	M39 × 2	25	16	86.1	14	31.8	46
20741–45–20W	M45 × 2	32	20	97	15	36.2	55
20741–52–24W	M52 × 2	40	24	115.3	17	40.9	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20742–xx–xx.

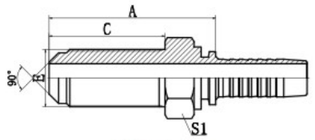


20791

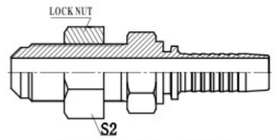
90° GB METRIC FEMALE 74° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20791-12-04C	M12 × 1.25	6	04	30	9	33.5	17
20791-12-04	M12 × 1.5	6	04	30	10	33.5	17
20791-14-04	M14 × 1.5	6	04	30	8.5	34	19
20791-16-04	M16 × 1.5	6	04	30	8	35	22
20791-16-05	M16 × 1.5	8	05	34	8	38	22
20791-18-06	M18 × 1.5	10	06	35.3	10	41.3	24
20791-22-08	M22 × 1.5	12	08	41	10	48	27
20791-22-10	M22 × 1.5	16	10	56	10	52.5	27
20791-27-10	M27 × 1.5	16	10	56	11	54	32
20791-30-12	M30 × 1.5	20	12	66.2	11	63.5	36
20791-33-12	M33 × 2	20	12	65.5	13	63.5	41
20791-33-16	M33 × 2	25	16	76.7	13	69	41
20791-36-12	M36 × 2	20	12	65.5	14	63.5	41
20791-36-14	M36 × 2	22	14	71.2	14	64.5	41
20791-39-16	M39 × 2	25	16	76.7	14	70.5	46
20791-45-20W	M45 × 2	32	20	91.5	15	83	55
20791-52-20W	M52 × 2	32	20	93	17	84.5	60
20791-52-24W	M52 × 2	40	24	110.7	17	96.5	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20792-xx-xx.



10811L

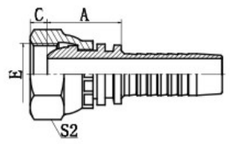


10811L-LN

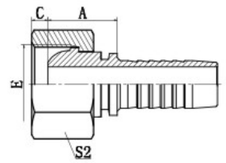
METRIC MALE 90° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
10811L-12-04	M12X1.5	6	04	46	34	17	17
10811L-12-04A	M12X1	6	04	44.5	32.5	17	17
10811L-14-04	M14X1.5	6	04	46	34	17	19
10811L-14-06	M14X1.5	10	06	46.5	34	17	19
10811L-16-04	M16X1.5	6	04	46.5	34	19	22
10811L-16-06	M16X1.5	10	06	46.5	34	22	22
10811L-20-06	M20X1.5	10	6	57	40	27	27
10811L-20-08	M20X1.5	12	08	57.5	40	27	27
10811L-22-08	M22X1.5	12	08	62.5	45	27	27

Note: When need to order item with lock nut, please add. LN after the item No.. For example, 10811L-12-04LN.



20111

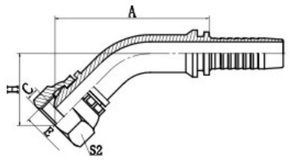


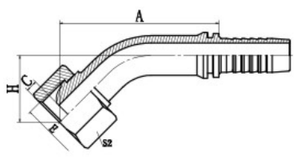
20111-T

METRIC FEMALE MULTISEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
20111-10-03	M10X1	5	03	18	2.5	14
20111-10-04	M10X1	6	04	18	2.5	14
20111-12-04	M12X1.5	6	04	18.5	4	17
20111-12-05	M12X1.5	8	05	18.5	4	17
20111-14-04	M14X1.5	6	04	19.5	4.5	19
20111-14-05	M14X1.5	8	05	19.5	4.5	19
20111-16-04	M16X1.5	6	04	19.5	4.5	22
20111-16-05	M16X1.5	8	05	20	4.5	22
20111-16-06	M16X1.5	10	06	20	4.5	22
20111-18-05T	M18X1.5	8	05	21.5	4	24
20111-18-06	M18X1.5	10	06	21.5	4	24
20111-18-08	M18X1.5	12	08	22	4	24
20111-20-06T	M20X1.5	10	06	20.5	5.5	24
20111-20-08	M20X1.5	12	08	23	5.5	27
20111-22-06T	M22X1.5	10	06	23	5	27
20111-22-08	M22X1.5	12	08	23.5	5	27
20111-22-10	M22X1.5	16	10	24.5	5	27
20111-24-08T	M24X1.5	12	08	22	5.5	30
20111-24-10	M24X1.5	16	10	26	5	30
20111-27-08DT	M27X1.5	12	08	23	5.5	32
20111-27-10DT	M27X1.5	16	10	23.5	5.5	32
20111-27-12D	M27X1.5	20	12	26	5.5	32
20111-27-10T	M27X2	16	10	23.5	7	32
20111-30-12D	M30X1.5	20	12	26.5	6	36
20111-30-12	M30X2	20	12	26.5	7	36
20111-36-12T	M36X2	20	12	26	7	41
20111-36-14T	M36X2	22	14	26	7	41
20111-39-14T	M39X2	22	14	28.5	7	46
20111-39-16T	M39X2	25	16	29.5	7	46
20111-42-16T	M42X2	25	16	30	8.5	50
20111-45-20T	M45X2	32	20	31.5	8.5	55
20111-52-20T	M52X2	32	20	33	9	60
20111-52-24T	M52X2	40	24	33	9	60
20111-64-32T	M64X2	50	32	35	14	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20112-xx-xx.



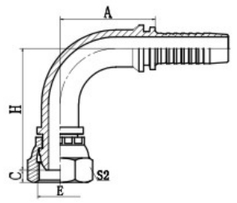


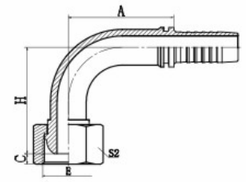
20141 **20141–T**

45° METRIC FEMALE MULTISEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20141–10–03	M10X1	5	03	41.1	2.5	20.7	14
20141–10–04	M10X1	6	04	43.2	2.5	21.5	14
20141–12–03	M12X1.5	5	03	40.9	4	21.2	17
20141–12–04	M12X1.5	6	04	43	4	22	17
20141–14–04	M14X1.5	6	04	43.4	4.5	21.3	19
20141–14–05	M14X1.5	8	05	45.5	4.5	22.2	19
20141–16–04	M16X1.5	6	04	43.7	4.5	21.4	22
20141–16–05	M16X1.5	8	05	45.8	4.5	22.5	22
20141–16–06	M16X1.5	10	06	47.4	4.5	24.1	22
20141–18–05T	M18X1.5	8	05	46.8	4	22.6	24
20141–18–06	M18X1.5	10	06	48.5	4	24.2	24
20141–18–08	M18X1.5	12	08	52.2	4	25.7	24
20141–20–06T	M20X1.5	10	06	48.2	5.5	23.9	27
20141–20–08	M20X1.5	12	08	62.1	5.5	27.2	27
20141–22–06T	M22X1.5	10	06	58.4	5	25.7	27
20141–22–08	M22X1.5	12	08	62.1	5	27.2	27
20141–24–08T	M24X1.5	12	08	61.1	5.5	26.1	30
20141–24–10	M24X1.5	16	10	75.4	5	29.6	30
20141–27–10DT	M27X1.5	16	10	74.4	5.5	29.6	32
20141–27–10T	M27X2	16	10	74.4	5.5	29.6	32
20141–30–12D	M30X1.5	20	12	80.9	6	33.5	36
20141–30–12	M30X2	20	12	80.9	6	33.5	36
20141–36–14T	M36X2	22	14	83	7	32.64	41
20141–39–16T	M39X2	25	16	88.2	7	33.95	46
20141–45–20T	M45X2	32	20	99.1	8.5	38.4	55
20141–52–24T	M52X2	40	24	114.1	9	43.4	60

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20142–xx–xx.



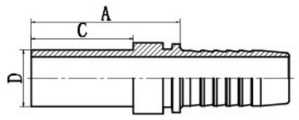


20191 **20191–T**

90° METRIC FEMALE MULTISEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
20191–10–03	M10X1	5	03	27	2.5	35.5	14
20191–12–04	M12X1.5	6	04	30	4	37.5	17
20191–14–04	M14X1.5	6	04	30	4.5	38	19
20191–14–05	M14X1.5	8	05	33	4.5	41	19
20191–16–04	M16X1.5	6	04	30	4.5	38.5	19
20191–16–05	M16X1.5	8	05	33	4.5	41.5	22
20191–16–06	M16X1.5	10	06	35.3	4.5	43.8	22
20191–18–05T	M18X1.5	8	05	33	4	43	24
20191–18–06	M18X1.5	10	06	35.3	4	45.3	24
20191–18–08	M18X1.5	12	08	40.5	4	50.5	24
20191–20–06T	M20X1.5	10	06	35.3	5.5	44.8	24
20191–20–08	M20X1.5	12	08	41	5.5	52	27
20191–22–06T	M22X1.5	10	06	35.8	5	76.8	27
20191–22–08	M22X1.5	12	08	41	5	52.5	27
20191–24–08T	M24X1.5	12	08	41	5.5	51	30
20191–24–10	M24X1.5	16	10	58	5	58.5	30
20191–27–10DT	M27X1.5	16	10	56	5.5	55.5	32
20191–27–10T	M27X2	16	10	56	5.5	55.5	32
20191–30–12D	M30X1.5	20	12	67.5	6	68.5	36
20191–30–12	M30X2	20	12	67.5	6	68.5	36
20191–36–12T	M36X2	20	12	65.5	7	68	41
20191–36–14T	M36X2	22	14	71.2	7	69	41
20191–39–16T	M39X2	25	16	76.7	7	73.5	46
20191–45–20T	M45X2	32	20	91.5	8.5	85	55
20191–52–24T	M52X2	40	24	109.4	9	100	60
20191–64–32T	M64X2	50	32	131.75	14	122.3	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 20192–xx–xx.

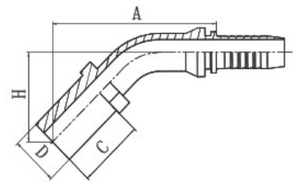


50011

METRIC STANDPIPE DIN2353

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS		NOTE
		DN	DASH	A	C	
50011–06–03	6	5	03	28.5	22	L–series
50011–06–04	6	6	04	29	22	
50011–10–05	10	8	05	31	23	
50011–10–06	10	10	06	32	23	
50011–12–06	12	10	06	33.5	23	
50011–12–08	12	12	08	33	23	
50011–15–06	15	10	06	35.5	25	
50011–15–08	15	12	08	35.5	25	
50011–18–08	18	12	08	36.5	26	
50011–18–10	18	16	10	41	26	
50011–22–10	22	16	10	44	28	
50011–22–12	22	20	12	44	28	
50011–22–16	22	25	16	46	28	
50011–28–16	28	25	16	47	30	
50011–35–20	35	32	20	56	36	
50011–42–24	42	40	24	62	40	
50011–08–04	8	6	04	31	24	S–series
50011–08–05	8	8	05	33	24	
50011–08–06	8	10	06	33	24	
50011–10–04	10	6	04	35	26	
50011–12–04	12	6	04	34.5	26	
50011–12–05	12	8	05	35.5	26	
50011–14–06	14	10	06	39.5	29	
50011–14–08	14	12	08	40	29	
50011–14–12	14	20	12	45.5	29	
50011–16–08	16	12	08	41	30	
50011–16–10	16	16	10	45.5	30	
50011–20–10	20	16	10	52.5	36	
50011–20–12	20	20	12	52.5	36	
50011–25–12	25	20	12	56	40	
50011–25–16	25	25	16	57	40	
50011–30–16	30	25	16	63	44	
50011–30–20	30	32	20	64	44	
50011–38–16	38	25	16	69	50	
50011–38–20	38	32	20	70	50	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 50012–xx–xx.

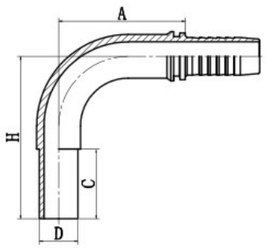


50041

45° METRIC STANDPIPE STRAIGHT DIN2353

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS			NOTE
		DN	DASH	A	C	H	
50041–06–03	6	5	03	47.8	22	27.5	L–series
50041–06–04	6	6	04	52.2	22	30.1	
50041–08–05	8	8	05	55.7	24	32.4	
50041–08–06	8	10	06	57.9	24	33.1	
50041–10–05	10	8	05	54	23	30.6	
50041–10–06	10	10	06	56.1	23	31.3	
50041–12–06	12	10	06	58.5	23	34.5	
50041–12–08	12	12	08	72.4	23	37.4	
50041–15–06	15	10	06	59.3	25	34.5	
50041–15–08	15	12	08	70.6	25	35.7	
50041–18–08	18	12	08	73.4	26	38.5	
50041–18–10	18	16	10	84.6	26	39.8	
50041–22–10	22	16	10	87.1	28	42.3	
50041–22–12	22	20	12	93.3	28	45.9	
50041–22–16	22	25	16	100.9	28	46.7	
50041–28–16	28	25	16	103.7	30	49.5	
50041–35–20	35	32	20	118.5	36	57.8	
50041–08–04	8	6	04	53.6	24	31.5	S–series
50041–10–04	10	6	04	54	26	31.9	
50041–12–04	12	6	04	57.1	26	35.1	
50041–12–05	12	8	05	59.2	26	35.9	
50041–14–06	14	10	06	61.6	29	37.3	
50041–14–08	14	12	08	73.8	29	38.8	
50041–14–12	14	20	12	91.9	29	43.8	
50041–16–08	16	12	08	76.6	30	41.7	
50041–16–10	16	16	10	87.8	30	43	
50041–20–10	20	16	10	92.8	36	48	
50041–20–12	20	20	12	100.7	36	52.6	
50041–25–12	25	20	12	101.8	40	54.4	
50041–25–16	25	25	16	109.4	40	55.2	
50041–30–16	30	25	16	113.6	44	59.4	
50041–30–20	30	32	20	124.2	44	63.5	
50041–38–16	38	25	16	117.9	50	63.6	
50041–38–20	38	32	20	128.4	50	67.7	

Note: 1.For use with braided hoses. 2.If use with spiral hoses, hose fitting series number is 50042–xx–xx.

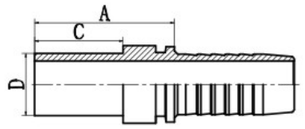


50091

90° METRIC STANDPIPE DIN235

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS			NOTE
		DN	DASH	A	C	H	
50091–06–03	6	05	03	26.5	22	42.5	
50091–06–04	6	6	04	30	22	45.5	
50091–08–05	8	8	05	33	24	50.5	
50091–08–06	8	10	06	35.3	24	52.8	
50091–10–05	10	8	05	33	23	49.5	
50091–10–06	10	10	06	35.3	23	51.8	
50091–12–06	12	10	06	35.3	23	53.8	
50091–12–08	12	12	08	41	23	59	
50091–15–06	15	10	06	35.3	25	53.8	L–series
50091–15–08	15	12	08	41	25	59	
50091–18–08	18	12	08	41	26	60	
50091–18–10	18	16	10	56.5	26	64.5	
50091–22–10	22	16	10	56.5	28	66.5	
50091–22–12	22	20	12	65.5	28	76	
50091–22–16	22	25	16	76.7	28	81.5	
50091–28–16	28	25	16	76.7	30	83.5	
50091–35–20	35	32	20	93	36	100.5	
50091–08–04	8	6	04	30	24	475	
50091–10–04	10	6	04	30	26	49.5	
50091–12–04	12	6	04	30	26	49.5	
50091–12–05	12	8	05	33	26	52.5	
50091–14–06	14	10	06	35.3	29	57.8	
50091–14–08	14	12	08	41	29	63	
50091–16–08	16	12	08	41	30	64	
50091–16–10	16	16	10	56.5	30	68.5	S–series
50091–20–10	20	16	10	56.5	36	74.5	
50091–20–12	20	20	12	65.5	36	85	
50091–25–12	25	20	12	65.5	40	89	
50091–25–16	25	25	16	76.7	40	93.5	
50091–30–16	30	25	16	76.7	40	93.5	
50091–30–20	30	32	20	91.5	44	108.5	
50091–38–16	38	25	16	76.7	50	115.5	
50091–38–20	38	32	20	91.5	50	114.5	

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 50092–xx–xx.

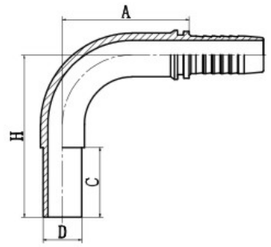


51011

GB METRIC STANDPIPE

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS	
		DN	DASH	A	C
51011–04–03	4	5	03	27	17
51011–06–03	6	5	03	30.5	19
51011–06–04	6	6	04	31	19
51011–08–04	8	6	04	31	19
51011–08–05	8	8	05	31.5	19
51011–08–06	8	10	06	32	19
51011–10–04	10	6	04	35	22
51011–10–05	10	8	05	35	22
51011–10–06	10	10	06	35	22
51011–12–05	12	8	05	35	22
51011–12–06	12	10	06	35	22
51011–14–06	14	10	06	35	22
51011–14–08	14	12	08	35.5	22
51011–16–06	16	10	06	35	22
51011–16–08	16	12	08	36	22
51011–16–10	16	16	10	36.5	22
51011–16–12	16	20	12	38	22
51011–18–12	18	20	12	41.5	24
51011–22–12	22	20	12	45	28
51011–22–14	22	22	14	45	28
51011–28–16	28	25	16	49	30
51011–34–20	34	32	20	53	33
51011–42–24	42	40	24	57	35

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 51012–xx–xx.

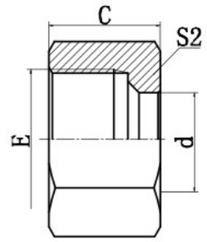


51091

90° GB METRIC STANDPIPE

PART NO.	TUBE O.D.	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	H
51091-06-04	6	6	04	30.5	19	42.5
51091-06-06	6	10	06	35.3	19	47.8
51091-08-04	8	6	04	30	19	42.5
51091-08-05	8	8	05	33	19	45.5
51091-10-04	10	6	04	30	22	45.5
51091-10-06	10	10	06	35.8	22	50.8
51091-12-06	12	10	06	35.3	22	50.8
51091-12-08	12	12	08	41	22	56
51091-14-06	14	10	06	35.3	22	50.8
51091-14-08	14	12	08	41	22	56
51091-15-10	15	16	10	56.5	26	64.5
51091-16-08	16	12	08	42	22	56
51091-16-10	16	16	10	56.5	22	60.5
51091-18-10	18	16	10	56.5	24	62.5
51091-18-12	18	20	12	64.9	24	72
51091-22-14	22	22	14	71.2	28	77
51091-28-16	28	25	16	76.7	30	83.5
51091-34-20	34	32	20	91.5	33	97.5
51091-42-24	42	40	24	109.4	35	113

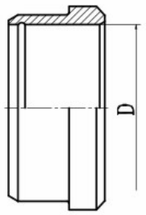
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 51092-xx-xx.



NL
NS

RETAINING NUTS

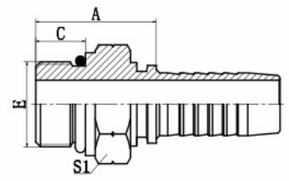
PART NO.	THREAD	TUBE O.D.	DIMENSIONS			PN BAR MPa
	E		C	d	S2	
NL-12	M12×1.5	6	14.5	6	14	L-series
NL-14	M14×1.5	8	14.5	8	17	
NL-16	M16×1.5	10	15.5	10	19	
NL-18	M18×1.5	12	15.5	12	22	
NL-22	M22×1.5	15	17	15	27	
NL-26	M26×1.5	18	18	18	32	
NL-30	M30×2	22	20	22	36	
NL-36	M36×2	28	21	28	41	
NL-45	M45×2	35	24	35	50	
NL-52	M52×2	42	24	42	60	
NS-14	M14×1.5	6	16.5	6	17	S-series
NS-16	M16×1.5	8	16.5	8	19	
NS-18	M18×1.5	10	17.5	10	22	
NS-20	M20×1.5	12	17.5	12	24	
NS-22	M22×1.5	14	20.5	14	27	
NS-24	M24×1.5	16	20.5	16	30	
NS-30	M30×2	20	24	20	36	
NS-36	M36×2	25	27	25	46	
NS-42	M42×2	30	29	30	50	
NS-52	M52×2	38	32.5	38	60	



RL
RS

CUTTING RING

PART NO.	TUBE O.D.	DIMENSIONS	PN BAR
	D		MPa
RL–06	6	the same as S–series	L–series
RL–08	8		
RL–10	10		
RL–12	12		
RL–15	15		
RL–18	18		
RL–22	22		
RL–28	28		
RL–35	35		
RL–42	42		
RS–06	6		S–series
RS–08	8		
RS–10	10		
RS–12	12		
RS–14	14		
RS–16	16		
RS–20	20		
RS–25	25		
RS–30	30		
RS–38	38		

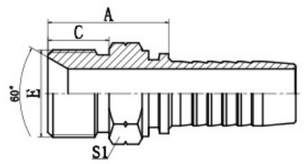


12211

BSP MALE O–RING SEAL

PART NO.	THREAD E	HOSE BORE		O RING	DIMENSIONS		
		DN	DASH		A	C	S1
12211–04–04	G1/4" x 19	6	04	O111	23.5	11	19
12211–04–06	G1/4" x 19	10	06	O111	23.5	11	19
12211–06–06	G3/8" x 19	10	06	O113	26.5	12	22
12211–08–04	G1/2" x 14	6	04	O115	33.5	14	27
12211–08–06	G1/2" x 14	10	06	O115	33.5	14	27
12211–08–08	G1/2" x 14	12	08	O115	34	14	27
12211–10–10	G5/8" x 14	16	10	O910	36	15.5	30
12211–12–10	G3/4" x 14	16	10	O119	33.5	15.5	32
12211–12–12	G3/4" x 14	20	12	O119	38	15.5	32
12211–12–16	G3/4" x 14	25	16	O119	36	15.5	32
12211–16–16	G1" x 11	25	16	O217	44.5	18.5	41
12211–20–20	G1.1/4" x 11	32	20	O222	46	20	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 12212–xx–xx.

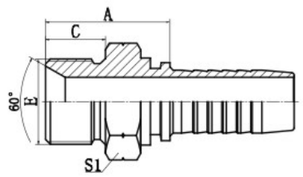


12611

BSP MALE 60° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
12611-02-03	G1/8"×28	5	03	22	10	12
12611-04-04	G1/4"×19	6	04	24.5	12	14
12611-06-05	G3/8"×19	8	05	26	13.5	17
12611-06-06	G3/8"×19	10	06	27.5	13.5	17
12611-06-08	G3/8"×19	13	08	26.5	13.5	19
12611-08-06	G1/2"×14	10	06	30.5	16	22
12611-08-08	G1/2"×14	12	08	31	16	22
12611-10-08	G5/8"×14	12	08	32.5	17.5	24
12611-10-10	G5/8"×14	16	10	33.5	17.5	24
12611-12-08	G3/4"×14	12	08	35.5	18.5	27
12611-12-10	G3/4"×14	16	10	37	18.5	27
12611-12-12	G3/4"×14	19	12	36.5	18.5	27
12611-16-12	G1"×11	20	12	40.5	20.5	36
12611-16-16	G1"×11	25	16	41.5	20.5	36
12611-20-16	G1.1/4"×11	25	16	43.5	20.5	46
12611-20-20	G1.1/4"×11	32	20	44.5	20.5	46
12611-24-20	G.1/2"×11	32	20	49	23	50
12611-24-24	G.1/2"×11	40	24	46	23	50
12611-32-32	G2"×11	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 12612-xx-xx.

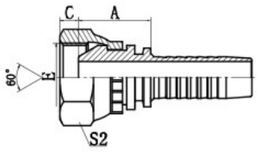


12611A

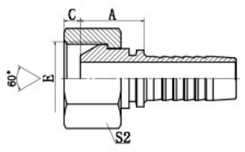
BSP MALE DOUBLE USE FOR 60° CONE SEAT OR BONDED SEAL

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
12611A-02-03	G1/8"×28	5	03	22	10	14
12611A-04-04	G1/4"×19	6	04	24.5	12	19
12611A-04-05	G1/4"×19	8	05	24.5	12	19
12611A-06-05	G3/8"×19	8	05	26	13.5	22
12611A-06-06	G3/8"×19	10	06	28	13.5	22
12611A-06-08	G3/8"×19	12	08	28.5	13.5	22
12611A-08-06	G1/2"×14	10	06	33	16	27
12611A-08-08	G1/2"×14	12	08	33.5	16	27
12611A-08-10	G1/2"×14	16	10	32	16	27
12611A-10-08	G5/8"×14	12	08	35	17.5	30
12611A-10-10	G5/8"×14	16	10	36	17.5	30
12611A-12-08	G3/4"×14	12	08	36.5	18.5	32
12611A-12-10	G3/4"×14	16	10	37.5	18.5	32
12611A-12-12	G3/4"×14	20	12	37.5	18.5	32
12611A-16-12	G1"×11	20	12	42.5	20.5	41
12611A-16-16	G1"×11	25	16	43.5	20.5	41
12611A-20-16	G1.1/4"×11	25	16	45.5	20.5	50
12611A-20-20	G1.1/4"×11	32	20	46.5	20.5	50
12611A-24-24	G.1/2"×11	40	24	49	23	55
12611A-32-32	G2"×11	50	32	54.5	25.5	70

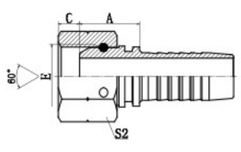
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 12612A-xx-xx.



22611



22611–T

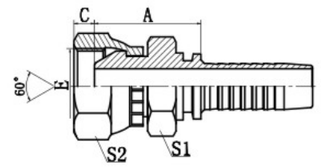


22611–W

BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
22611–02–03	G1/8"X28	5	03	15	5.5	14
22611–02–04	G1/8"X28	6	04	15	5.5	14
22611–04–03	G1/4"X19	5	03	17	5.5	19
22611–04–04	G1/4"X19	6	04	18	5.5	19
22611–04–05	G1/4"X19	8	05	18	5.5	19
22611–04–06	G1/4"X19	10	06	18	5.5	19
22611–06–04	G3/8"X19	6	04	19	6.3	22
22611–06–05	G3/8"X19	8	05	19	6.3	22
22611–06–06	G3/8"X19	10	06	19.5	6.3	22
22611–06–08	G3/8"X19	12	08	19.5	6.3	22
22611–08–06T	G1/2"X14	10	06	21	7.5	27
22611–08–08	G1/2"X14	12	08	21.5	7.5	27
22611–10–08	G5/8"X14	12	08	22	9.5	30
22611–10–10	G5/8"X14	16	10	23.5	9.5	30
22611–12–08T	G3/4"X14	12	08	22	10.9	32
22611–12–10	G3/4"X14	16	10	24	10.9	32
22611–12–12	G3/4"X14	20	12	24	10.9	32
22611–16–12T	G1"X11	20	12	24	11.7	41
22611–16–14	G1"X11	22	14	26	11.7	41
22611–16–16	G1"X11	25	16	27	11.7	41
22611–20–16T	G1.1/4"X11	25	16	27.5	11	50
22611–20–20W	G1.1/4"X11	32	20	30.5	11	50
22611–24–20T	G1.1/2"X11	32	20	32	13	55
22611–24–24W	G1.1/2"X11	40	24	32	13	55
22611–32–24T	G2"X11	40	24	30	16	70
22611–32–32W	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 22612–xx–xx.

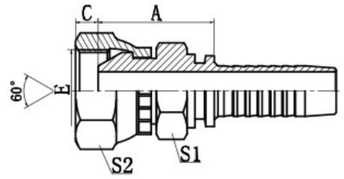


22611D

BSP FEMALE 60° CONE DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
22611D–04–04	G1/4"X19	6	04	23.5	5.5	19	19
22611D–06–06	G3/8"X19	10	06	26.5	6.3	22	22
22611D–08–08	G1/2"X14	12	08	31	7.5	27	27
22611D–10–08	G5/8"X14	12	08	31	9.5	30	30
22611D–12–08	G3/4"X14	12	08	31.5	10.9	32	32
22611D–12–12	G3/4"X14	20	12	33.5	10.9	32	32
22611D–16–16	G1"X11	25	16	35.5	11.7	41	41
22611D–20–20	G1.1/4"X11	32	20	44	11	50	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 22612D–xx–xx.

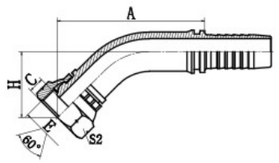


22611D–SM

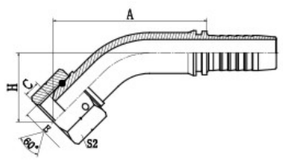
BSP FEMALE 60° CONE DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
22611D–04–04SM	G1/4"X19	6	04	23.5	5.5	14	19
22611D–06–06SM	G3/8"X19	10	06	24.5	6.3	17	22
22611D–08–08SM	G1/2"X14	12	08	29	7.5	22	27
22611D–10–08SM	G5/8"X14	12	08	29	9.5	22	30
22611D–12–08SM	G3/4"X14	12	08	31.5	10.9	27	32
22611D–12–12SM	G3/4"X14	20	12	33.5	10.9	27	32
22611D–16–16SM	G1"X11	25	16	35.5	11.7	32	41
22611D–20–20SM	G1.1/4"X11	32	20	42	11	41	50

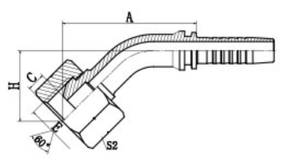
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 22612D–xx–xx.



22641



22641–W

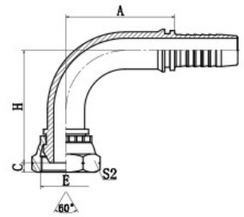


22641–T

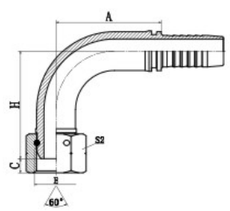
45° BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22641–04–04	G1/4"X19	6	04	42.3	5.5	20.2	19
22641–06–04	G3/8"X19	6	04	43.2	6.3	21	22
22641–06–05	G3/8"X19	8	05	45.3	6.3	22	22
22641–06–06	G3/8"X19	10	06	46.9	6.3	22.6	22
22641–08–06T	G1/2"X14	10	06	48.1	7.5	23.9	27
22641–08–08	G1/2"X14	12	08	61.1	7.5	26.1	27
22641–10–08	G5/8"X14	12	08	61.4	9.5	26.5	30
22641–10–10	G5/8"X14	16	10	72.6	9.5	27.8	30
22641–12–08T	G3/4"X14	12	08	61.8	10.9	26.9	32
22641–12–10	G3/4"X14	16	10	73	10.9	28.2	32
22641–12–12	G3/4"X14	20	12	79.2	10.9	31.8	32
22641–16–12T	G1"X11	20	12	80.8	11.7	33.4	41
22641–16–16	G1"X11	25	16	88.4	11.7	34.2	41
22641–20–16T	G1.1/4"X11	25	16	85.3	11	31.1	50
22641–20–20W	G1.1/4"X11	32	20	98.8	11	38	50
22641–24–24W	G1.1/2"X11	40	24	116.8	13	45.5	55
22641–32–32W	G2"X11	50	32	135.7	16	52.7	70

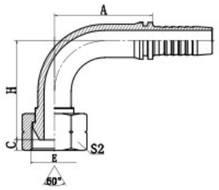
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 22642–xx–xx.



22691



22691–W

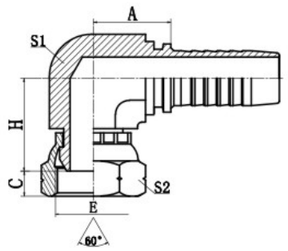


22691–T

90° BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22691–02–03	G1/8"X28	5	03	26.5	5.5	31.5	14
22691–02–04	G1/8"X28	6	04	30	5.5	34.5	14
22691–04–03	G1/4"X19	5	03	26.5	5.5	33.5	19
22691–04–04	G1/4"X19	6	04	30	5.5	36.5	19
22691–04–05	G1/4"X19	8	05	33	5.5	39.5	19
22691–04–06	G1/4"X19	10	06	30	5.5	36.5	19
22691–06–04	G3/8"X19	6	04	30	6.3	37.7	22
22691–06–05	G3/8"X19	8	05	33	6.3	40.7	22
22691–06–06	G3/8"X19	10	06	35.3	6.3	43	22
22691–08–06T	G1/2"X14	10	06	35.3	7	43.3	27
22691–08–08	G1/2"X14	12	08	41	7.5	51	27
22691–08–10	G1/2"X14	16	10	56.5	7.5	55.5	27
22691–10–08	G5/8"X14	12	08	41	9.5	51.5	30
22691–10–10	G5/8"X14	16	10	56.5	9.5	56	30
22691–12–08T	G3/4"X14	12	08	41	10.9	52.1	32
22691–12–10	G3/4"X14	16	10	56.5	10.9	56.6	32
22691–12–12	G3/4"X14	20	12	65.5	10.9	66	32
22691–16–12T	G1"X11	20	12	65.5	11.7	68.3	41
22691–16–14	G1"X11	22	14	71.2	11.7	69.3	41
22691–16–16	G1"X11	25	16	76.7	11.7	73.8	41
22691–20–16T	G1.1/4"X11	25	16	78	11	69.5	50
22691–20–20W	G1.1/4"X11	32	20	91.5	11	84.3	50
22691–24–24W	G1.1/2"X11	40	24	109.4	13	103	55
22691–32–32W	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 22692–xx–xx.

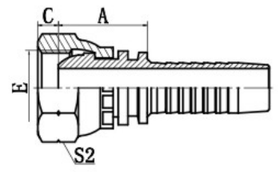


22691K

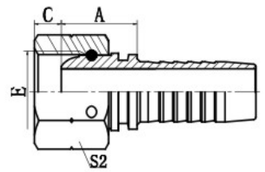
90° BSP FEMALE 60° CONE COMPACT ELBOW

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
22691K-04-04	G1/4"X19	6	04	17.5	5.5	18.5	11	19
22691K-06-04	G3/8"X19	6	04	20	6.3	24	16	22
22691K-06-05	G3/8"X19	8	05	20	6.3	24	16	22
22691K-06-06	G3/8"X19	10	06	20	6.3	24	16	22
22691K-08-06	G1/2"X14	10	06	23	7.5	28.5	19	27
22691K-08-08	G1/2"X14	12	08	23.5	7.5	28.5	19	27
22691K-10-10	G5/8"X14	16	10	24.5	9.5	30.5	22	30
22691K-12-12	G3/4"X14	20	12	27.5	10.9	33	27	32
22691K-16-16	G1"X11	25	16	43	11.7	38.5	33	41

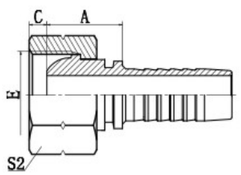
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 22692K-xx-xx.



22111



22111W

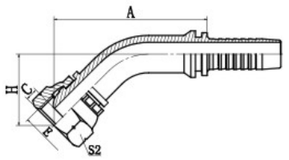


22111-T

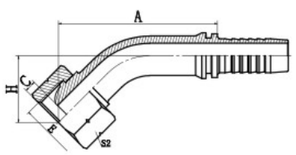
BSP FEMALE MULTISEAL

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
22111-02-04	G1/8"X28	6	04	19	2	14
22111-04-03	G1/4"X19	5	03	19	4	19
22111-04-04	G1/4"X19	6	04	19.5	4	19
22111-06-05	G3/8"X19	8	05	20	5	22
22111-06-06	G3/8"X19	10	06	20.5	5	22
22111-06-08	G3/8"X19	12	08	21	5	22
22111-08-06T	G1/2"X14	10	06	22.5	6	27
22111-08-08	G1/2"X14	12	08	23	6	27
22111-08-10	G1/2"X14	16	10	24	6	27
22111-10-10	G5/8"X14	16	10	25	8	30
22111-10-12	G5/8"X14	20	12	25	8	30
22111-12-08T	G3/4"X14	12	08	25	9.5	32
22111-12-10	G3/4"X14	16	10	26	9.5	32
22111-12-12	G3/4"X14	20	12	26	9.5	32
22111-16-12T	G1"X11	20	12	26.5	11	41
22111-16-14	G1"X11	22	14	26.5	11	41
22111-16-16	G1"X11	25	16	28	11	41
22111-20-16T	G1.1/4"X11	25	16	27.5	11	50
22111-20-20W	G1.1/4"X11	32	20	31.5	10	50
22111-24-24W	G1.1/2"X11	40	24	37	11.5	55
22111-32-32W	G2"X11	50	32	34	15	70

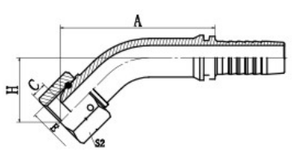
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 22112-xx-xx.



22141



22141–T

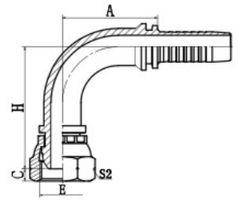


22141–W

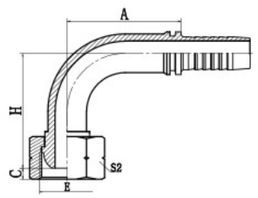
45° BSP FEMALE MULTISEAL

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22141–02–04	G1/8"X28	6	04	43.7	2	21.6	14
22141–04–03	G1/4"X19	5	03	41.3	4	20.4	19
22141–04–04	G1/4"X19	6	04	43.7	4	21.6	19
22141–06–05	G3/8"X19	8	05	46.2	5	22.9	22
22141–06–06	G3/8"X19	10	06	48.1	5	23.9	22
22141–06–08	G3/8"X19	12	08	60.4	5	25.4	22
22141–08–04T	G1/2"X14	6	04	43.9	6	23.8	27
22141–08–06T	G1/2"X14	10	06	42.5	6	18.2	27
22141–08–08	G1/2"X14	12	08	61.8	6	26.8	27
22141–08–10	G1/2"X14	16	10	73	6	29	27
22141–10–10	G5/8"X14	16	10	73.7	8	28.9	30
22141–10–12	G5/8"X14	20	12	79.8	8	32.5	30
22141–12–08T	G3/4"X14	12	08	63.2	9.5	28.3	32
22141–12–10	G3/4"X14	16	10	70.4	9.5	29.6	32
22141–12–12	G3/4"X14	20	12	80.6	9.5	33.2	32
22141–16–12	G1"X11	20	12	81.6	11	33.5	41
22141–16–14	G1"X11	22	14	83.3	11	33	41
22141–16–16	G1"X11	25	16	89.2	11	35	41
22141–20–16T	G1.1/4"X11	25	16	91.4	9.1	37.1	50
22141–20–20W	G1.1/4"X11	32	20	102.9	10	41.2	50
22141–24–24W	G1.1/2"X11	40	24	119.8	11.5	49	55
22141–32–32W	G2"X11	50	32	137.4	15	53	70

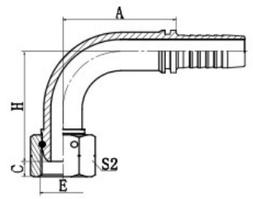
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 22142–xx–xx.



22191



22191–T

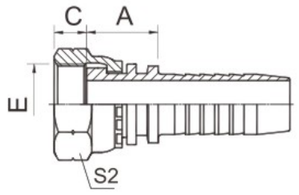


22191–W

90° BSP FEMALE MULTISEAL

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22191–02–04	G1/8"X28	6	04	30	2	38.5	14
22191–04–03	G1/4"X19	5	03	27	4	35	19
22191–04–04	G1/4"X19	6	04	30	4	38.5	19
22191–04–05	G1/4"X19	8	05	33	4	41.5	19
22191–06–05	G3/8"X19	8	05	33	5	42	22
22191–06–06	G3/8"X19	10	06	35.3	5	44.8	22
22191–06–08	G3/8"X19	12	08	41	5	50	22
22191–08–06T	G1/2"X14	10	06	35.3	6	46.8	27
22191–08–08	G1/2"X14	12	08	41	6	52	27
22191–08–10	G1/2"X14	16	10	56.5	6	58	27
22191–10–10	G5/8"X14	16	10	56.5	8	57.5	30
22191–10–12	G5/8"X14	20	12	65.4	8	67	30
22191–12–08T	G3/4"X14	12	08	41	9.5	52	32
22191–12–10	G3/4"X14	16	10	56.5	9.5	58.5	32
22191–12–12	G3/4"X14	20	12	65.5	9.5	68	32
22191–16–12T	G1"X11	20	12	66.2	11	68.5	41
22191–16–14	G1"X11	22	14	71.2	11	69.5	41
22191–16–16	G1"X11	25	16	76.7	11	75	41
22191–20–16T	G1.1/4"X11	25	16	76.7	10	78	50
22191–20–20W	G1.1/4"X11	32	20	92.3	10	85.3	50
22191–24–24W	G1.1/2"X11	40	24	109.4	11.5	108	55
22191–32–32W	G2"X11	50	32	133.1	15	123.8	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 22192–xx–xx.

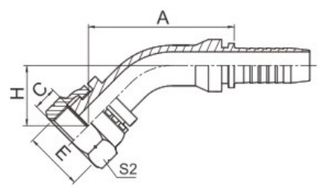


22211

BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
22211–04–04	G1/4"X19	6	04	15.5	8	19
22211–04–06	G1/4"X19	10	06	15.5	8	19
22211–06–04	G3/8"X19	6	04	17	9	22
22211–06–05	G3/8"X19	8	05	17	9	22
22211–06–06	G3/8"X19	10	06	16.5	9	22
22211–06–08	G3/8"X19	12	08	17.5	9	22
22211–08–08T	G1/2"X14	10	06	18	10.5	27
22211–08–08	G1/2"X14	12	08	18.5	10.5	27
22211–10–08	G5/8"X14	12	08	20	12	30
22211–10–10	G5/8"X14	16	10	21	12	30
22211–12–08T	G3/4"X14	12	08	20.5	13.5	32
22211–12–10	G3/4"X14	16	10	21.5	13.5	32
22211–12–12	G3/4"X14	20	12	21.5	13.5	32
22211–16–12T	G1"X11	20	12	21.5	15.5	41
22211–16–16	G1"X11	25	16	23	15.5	41
22211–20–20W	G1.1/4"X11	32	20	26	15.5	50
22211–24–24W	G1.1/2"X11	40	24	27.5	17.5	55
22211–32–32W	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 22212–xx–xx.

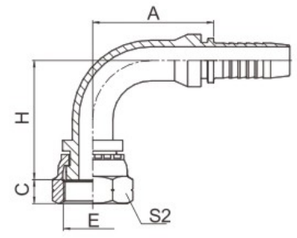


22241

45° BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22241–04–04	G1/4"X19	6	04	40.9	8	18.8	19
22211–06–06	G3/8"X19	10	06	45.3	9	21	22
22241–08–08	G1/2"X14	12	08	58.9	10.5	24	27
22241–12–12	G3/4"X14	20	12	77.4	13.5	30	32
22241–16–16	G1"X11	25	16	82.7	15.5	31.5	41
22241–20–20W	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 22242–xx–xx.

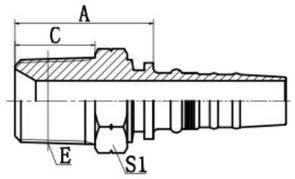


22291

90° BSP FEMALE FLAT SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22291–04–04	G1/4"X19	6	04	30	8	34.5	19
22291–06–06	G3/8"X19	10	06	35.3	9	41.3	22
22290–08–08	G1/2"X14	12	08	41	10.5	48	27
22291–12–12	G3/4"X14	20	12	65.5	13.5	63.5	32
22291–16–16	G1"X11	25	16	76.7	15.5	70	41
22291–20–20W	G1.1/4"X11	32	20	91.5	15.5	82.5	50
22291–24–24W	G1.1/2"X11	40	24	109.4	17.5	98.5	55

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 22292–xx–xx.

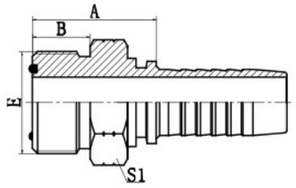


13011–SP

BSPT MALE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
13011–02–03SP	R1/8"X28	5	03	22	10	12
13011–02–04SP	R1/8"X28	6	04	22.5	10	12
13011–04–04SP	R1/4"X19	6	04	27	14.5	14
13011–04–05SP	R1/4"X19	8	05	25	15.4	14
13011–04–06SP	R1/4"X19	10	06	27	14.5	17
13011–06–04SP	R3/8"X19	6	04	27.5	15	17
13011–06–05SP	R3/8"X19	8	05	26.5	15	17
13011–06–06SP	R3/8"X19	10	06	27.5	15	17
13011–06–08SP	R3/8"X19	12	08	30	15	19
13011–08–06SP	R1/2"X14	10	06	34.5	20	22
13011–08–08SP	R1/2"X14	12	08	35	20	22
13011–08–10SP	R1/2"X14	16	10	38	20	22
13011–08–12SP	R1/2"X14	20	12	38	20	27
13011–12–08SP	R3/4"X14	12	08	37	20	27
13011–12–10SP	R3/4"X14	16	10	38	20	27
13011–12–12SP	R3/4"X14	20	12	38.5	20	27
13011–12–16SP	R3/4"X14	25	16	39.5	20	32
13011–16–12SP	R1"X11	20	12	44	25.5	36
13011–16–16SP	R1"X11	25	16	45	25.5	36
13011–20–20SP	R1.1/4"X11	32	20	49.5	26.5	46
13011–24–24SP	R1.1/2"X11	40	24	51.5	26.5	50
13011–32–24SP	R2"X11	40	24	57	30	65
13011–32–32SP	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 13012–xx–xxSP.

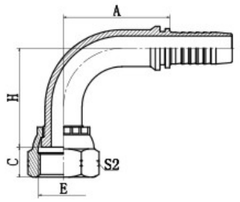


14211

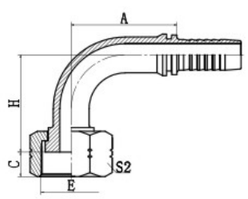
ORFS MALE O–RING SEAL
ISO 8434–3––SAE J1453

PART NO.	THREAD E	HOSE BORE		O–RING	DIMENSIONS		
		DN	DASH		A	B	S1
14211–04–04	9/16"X18	6	04	O011	22.5	9.8	17
14211–06–04	11/16"X16	6	04	O012	24	11.2	19
14211–06–06	11/16"X16	10	06	O012	24	11.2	19
14211–08–06	13/16"X16	10	06	O014	27.5	12.8	22
14211–08–08	13/16"X16	12	08	O014	28.5	12.8	22
14211–08–10	13/16"X16	16	10	O014	28.5	12.8	22
14211–10–08	1"X14	12	08	O016	32.5	15.5	27
14211–10–10	1"X14	16	10	O016	33.5	15.5	27
14211–12–08	1.3/16"X12	12	08	O018	35.5	17	32
14211–12–10	1.3/16"X12	16	10	O018	36	17	32
14211–12–12	1.3/16"X12	20	12	O018	36.5	17	32
14211–16–12	1.7/16"X12	20	12	O021	37	17.5	38
14211–16–16	1.7/16"X12	25	16	O021	38.5	17.5	38
14211–20–20	1.11/16"X12	32	20	O025	41.5	17.5	46
14211–24–24	2"X12	40	24	O029	46.5	17.5	55

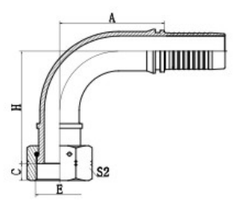
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 14212–xx–xx.



24291



24291–T

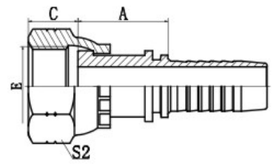


24291W

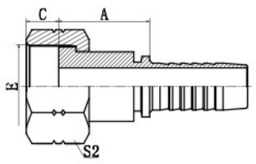
90° ORFS FEMALE FLAT SEAL ISO 12151–1–SAEJ516

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	H	C	S2
24291–04–04	9/16"X18	6	04	30	41	8.5	19
24291–04–05	9/16"X18	8	05	33	44	8.5	19
24291–06–05T	11/16"X16	8	05	33	37.5	10	22
24291–06–06	11/16"X16	10	06	35.3	49.8	10	22
24291–06–08	11/16"X16	12	08	41	55	10	22
24291–08–06T	13/16"X16	10	06	35.3	39.8	11	27
24291–08–08	13/16"X16	12	08	41	57	11	27
24291–08–10	13/16"X16	16	10	56.5	61.5	11	27
24291–10–08T	1"X14	12	08	41	46	13.5	30
24291–10–10	1"X14	16	10	56.5	66	13.5	30
24291–10–12	1"X14	20	12	65.5	75.5	13.5	30
24291–12–10T	1.3/16"X12	16	10	56.5	51.5	15	36
24291–12–12	1.3/16"X12	20	12	65.5	77	15	36
24291–12–16	1.3/16"X12	25	16	76.7	83.5	15	36
24291–16–12T	1.7/16"X12	20	12	65.5	63	14.8	41
24291–16–14T	1.7/16"X12	22	14	71.2	63	14.8	41
24291–16–16T	1.7/16"X12	25	16	76.9	67.5	14.8	41
24291–20–16T	1.11/16"X12	25	16	76.7	67.5	15	50
24291–20–20W	1.11/16"X12	32	20	93	100	15	50
24291–24–20T	2"X12	32	20	91.5	78.5	14.8	60
24291–24–24T	2"X12	40	24	109.4	92	14.8	60

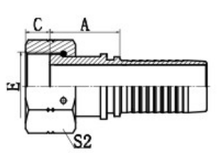
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 24292–xx–xx.



24211



24211–T

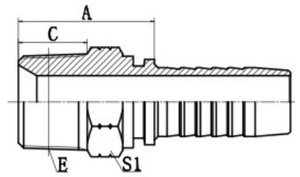


24211W

ORFS FEMALE FLAT SEAL ISO 12151–1–SAEJ516

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
24211–04–04	9/16"×18	6	04	22.5	8.5	19
24211–04–05	9/16"X18	8	05	22.5	8.5	19
24211–04–06	9/16"X18	10	06	22.5	8.5	19
24211–06–04T	11/16"X16	6	04	23.5	10	22
24211–06–05T	11/16"X16	8	05	23.5	10	22
24211–06–06	11/16"X16	10	06	25.5	10	22
24211–06–08	11/16"X16	12	08	26	10	22
24211–08–05T	13/16"X16	8	05	25	11	27
24211–08–06T	13/16"X16	10	06	25	11	27
24211–08–08	13/16"X16	12	08	28	11	27
24211–08–10	13/16"X16	16	10	29	11	27
24211–10–08T	1"X14	12	08	29.5	13.5	30
24211–10–10	1"X14	16	10	33	13.5	30
24211–10–12	1"X14	20	12	33.5	13.5	30
24211–12–08T	1.3/16"X12	12	08	30.5	15	36
24211–12–10T	1.3/16"X12	16	10	31.5	15	36
24211–12–12	1.3/16"X12	20	12	35	15	36
24211–12–16	1.3/16"X12	25	16	36	15	36
24211–16–12T	1.7/16"X12	20	12	35	14.8	41
24211–16–14T	1.7/16"X12	22	14	35	14.8	41
24211–16–16T	1.7/16"X12	25	16	35	14.8	41
24211–16–20	1.7/16"X12	32	20	39.5	14.8	41
24211–20–16T	1.11/16"X12	25	16	35	15	50
24211–20–20W	1.11/16"X12	32	20	42.5	15	50
24211–20–24W	1.11/16"X12	40	24	42.5	15	50
24211–24–20T	2"X12	32	20	36	14.8	60
24211–24–24T	2"X12	40	24	36	14.8	60

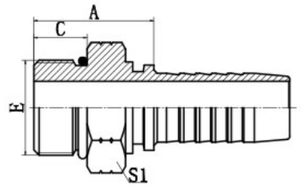
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 24212–xx–xx.



15611
NPT MALE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
15611–02–03	Z1/8"×27	5	03	21.5	10.5	12
15611–02–04	Z1/8"×27	6	04	22.5	10.5	12
15611–04–03	Z1/4"×18	5	03	27	15	17
15611–04–04	Z1/4"×18	6	04	28	15	17
15611–04–05	Z1/4"×18	8	05	28	15	17
15611–04–06	Z1/4"×18	10	06	28	15	17
15611–06–04	Z3/8"×18	6	04	28	16	19
15611–06–05	Z3/8"×18	8	05	29	16	19
15611–06–06	Z3/8"×18	10	06	29	16	19
15611–06–08	Z3/8"×18	12	08	30.5	16	19
15611–08–06	Z1/2"×14	10	06	34	19.5	22
15611–08–08	Z1/2"×14	12	08	34.5	19.5	22
15611–08–10	Z1/2"×14	16	10	35.5	19.5	22
15611–12–08	Z3/4"×14	12	08	37.5	19.5	27
15611–12–10	Z3/4"×14	16	10	37.5	19.5	27
15611–12–12	Z3/4"×14	20	12	38.5	19.5	27
15611–12–16	Z3/4"×14	25	16	39.5	19.5	32
15611–16–10	Z1"×11.5	16	10	45	25.5	36
15611–16–12	Z1"×11.5	20	12	45	25.5	36
15611–16–16	Z1"×11.5	25	16	46.5	25.5	36
15611–20–16	Z1.1/4"×11.5	25	16	49	26.5	46
15611–20–20	Z1.1/4"×11.5	32	20	50.5	26.5	46
15611–24–24	Z1.1/2"×11.5	40	24	51	27.5	50
15611–32–32	Z2"×11.5	50	32	55	27.5	65

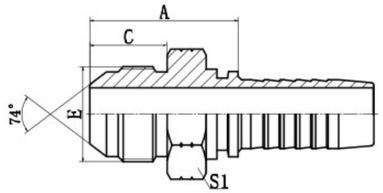
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 15612–xx–xx.



16011
SAE MALE WITH O–RING

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
16011–04–04	7/16"×20	6	04	O904	21.5	9.1
16011–05–04	1/2"×20	6	04	O905	21.5	9.1
16011–06–05	9/16"×18	8	05	O906	22.5	9.9
16011–06–06	9/16"×18	10	06	O906	22.5	9.9
16011–08–06	3/4"×16	10	06	O908	23.5	11.1
16011–08–08	3/4"×16	12	08	O908	24	11.1
16011–10–08	7/8"×14	12	08	O910	30	12.7
16011–10–10	7/8"×14	16	10	O910	31	12.7
16011–12–10	1.1/16"×12	16	10	O912	34	15.1
16011–12–12	1.1/16"×12	20	12	O912	34	15.1
16011–16–16	1.5/16"×12	25	16	O916	36	15.1

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 16012–xx–xx.

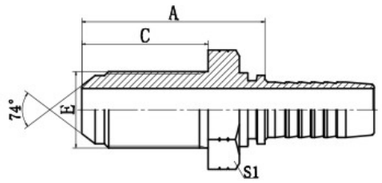


16711

JIC MALE 74° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
16711–04–03	7/16"X20	5	03	26	14	12
16711–04–04	7/16"X20	6	04	26.5	14	12
16711–05–04	1/2"X20	6	04	26.5	14	14
16711–05–05	1/2"X20	8	05	26.5	14	14
16711–05–06	1/2"X20	10	06	26.5	14	17
16711–06–04	9/16"X18	6	04	26.5	14.1	17
16711–06–05	9/16"X18	8	05	26.5	14.1	17
16711–06–06	9/16"X18	10	06	26.5	14.1	17
16711–08–06	3/4"X16	10	06	31.5	16.7	22
16711–08–08	3/4"X16	12	08	32	16.7	22
16711–10–06	7/8"X14	10	06	32	19.3	24
16711–10–08	7/8"X14	12	08	34.3	19.3	24
16711–10–10	7/8"X14	16	10	35.5	19.3	24
16711–12–08	1.1/16"X12	12	08	39	21.9	30
16711–12–10	1.1/16"X12	16	10	40	21.9	30
16711–12–12	1.1/16"X12	20	12	40	21.9	30
16711–12–16	1.1/16"X12	25	16	41	21.9	30
16711–14–10	1.3/16"X12	16	10	41.5	22.6	32
16711–14–12	1.3/16"X12	20	12	40.6	22.6	32
16711–16–12	1.5/16"X12	20	12	42.5	23.1	36
16711–16–16	1.5/16"X12	25	16	43.5	23.1	36
16711–20–16	1.5/8"X12	25	16	46.5	24.3	46
16711–20–20	1.5/8"X12	32	20	47.5	24.3	46
16711–24–20	1.7/8"X12	32	20	53	27.5	50
16711–24–24	1.7/8"X12	40	24	53	27.5	50
16711–32–32	2.1/2"X12	50	32	62	33.9	65

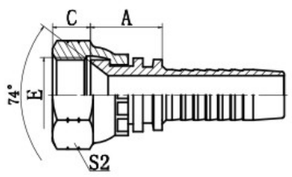
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 16712–xx–xx.



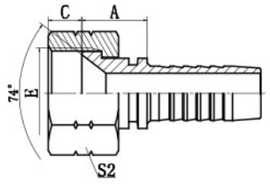
16711L

JIC MALE 74° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
16711L–04–04	7/16"X20	6	04	43	30.5	17
16711L–05–04	1/2"X20	6	04	43	30.5	19
16711L–05–05	1/2"X20	8	05	43	30.5	19
16711L–06–04	9/16"X18	6	04	47	32.5	22
16711L–06–05	9/16"X18	8	05	47	32.5	22
16711L–06–06	9/16"X18	10	06	47	32.5	22
16711L–08–06	3/4"X16	10	06	51	36.5	24
16711L–08–08	3/4"X16	12	08	51.5	36.5	24
16711L–10–06	7/8"X14	10	06	56.5	40	30
16711L–10–08	7/8"X14	12	08	57	40	30
16711L–10–10	7/8"X14	16	10	58	40	30
16711L–12–08	1.1/16"X12	12	08	63	44.5	36
16711L–12–10	1.1/16"X12	16	10	64	44.5	36
16711L–12–12	1.1/16"X12	20	12	64	44.5	36
16711L–16–12	1.5/16"X12	20	12	66	44.5	41
16711L–16–16	1.5/16"X12	25	16	67	44.5	41
16711L–20–16	1.5/8"X12	25	16	70.5	45.7	50
16711L–20–20	1.5/8"X12	32	20	71.2	45.7	50
16711L–24–20	1.7/8"X12	32	20	71.5	46	55
16711L–24–24	1.7/8"X12	40	24	71.5	46	55



26711

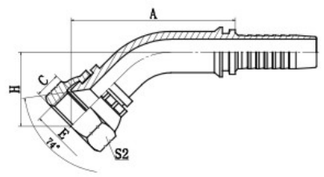


26711-T

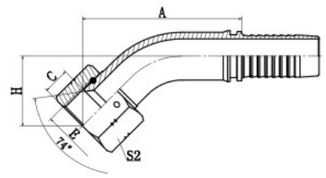
JIC FEMALE 74° CONE SEAT
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
26711-04-03	7/16"X20	5	03	14.5	9	15
26711-04-04	7/16"X20	6	04	15	9	15
26711-05-04	1/2"X20	6	04	15.5	9.5	17
26711-05-05	1/2"X20	8	05	15.5	9.5	17
26711-05-06	1/2"X20	10	06	15.5	9.5	17
26711-06-04	9/16"X18	6	04	15.5	10.5	19
26711-06-05	9/16"X18	8	05	15.5	10.5	19
26711-06-06	9/16"X18	10	06	15.5	10.5	19
26711-06-08	9/16"X18	12	08	16	10.5	19
26711-08-06	3/4"X16	10	06	17.5	11	24
26711-08-08	3/4"X16	12	08	18	11	24
26711-08-10	3/4"X16	16	10	19.5	11	24
26711-10-08	7/8"X14	12	08	18.5	13	27
26711-10-10	7/8"X14	16	10	20	13	27
26711-10-12	7/8"X14	20	12	20	13	27
26711-12-08T	1.1/16"X12	12	08	19	15	32
26711-12-10	1.1/16"X12	16	10	21.5	15	32
26711-12-12	1.1/16"X12	20	12	21.5	15	32
26711-12-16	1.1/16"X12	25	16	23	15	32
26711-14-12	1.3/16"X12	20	12	21.5	15	36
26711-16-12T	1.5/16"X12	20	12	18.5	16	41
26711-16-16	1.5/16"X12	25	16	23	16	41
26711-16-20	1.5/16"X12	32	20	24	16	41
26711-20-16T	1.5/8"X12	25	16	23	17	50
26711-20-20W	1.5/8"X12	32	20	26	17	50
26711-24-20W	1.7/8"X12	32	20	26.5	20	55
26711-24-24W	1.7/8"X12	40	24	26.5	20	55
26711-32-24T	2.1/2"X12	40	24	27	23.5	75
26711-32-32T	2.1/2"X12	50	32	27	23.5	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 26712-xx-xx.



26741

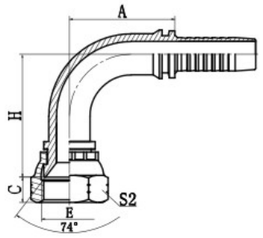


26741W

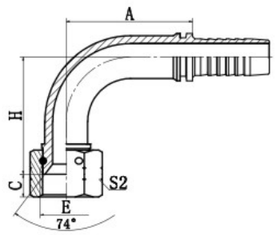
45° JIC FEMALE 74° CONE SEAT
SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
26741-04-03	7/16"X20	5	03	37.6	9	17.2	15
26741-04-04	7/16"X20	6	04	40.2	9	18.1	15
26741-05-04	1/2"X20	6	04	40.5	9.5	18.5	17
26741-05-05	1/2"X20	8	05	42.7	9.5	19.3	17
26741-05-06	1/2"X20	10	06	44.6	9.5	20.3	17
26741-06-04	9/16"X18	6	04	40.5	10.5	18.5	19
26741-06-05	9/16"X18	8	05	42.7	10.5	19.3	19
26741-06-06	9/16"X18	10	06	44.3	10.5	20	19
26741-08-06	3/4"X16	10	06	45.7	11	21.4	24
26741-08-08	3/4"X16	12	08	58.6	11	23.5	24
26741-10-08	7/8"X14	12	08	58.9	13	24	27
26741-10-10	7/8"X14	16	10	70.1	13	25.3	27
26741-10-12	7/8"X14	20	12	77	13	28.9	27
26741-12-08	1.1/16"X12	12	08	60	15	25	32
26741-12-10	1.1/16"X12	16	10	71.2	15	26.4	32
26741-12-12	1.1/16"X12	20	12	77.4	15	30	32
26741-14-12	1.3/16"X12	20	12	77.4	15	30	36
26741-16-12	1.5/16"X12	20	12	77.4	16	30	41
26741-16-16	1.5/16"X12	25	16	85.7	16	31.5	41
26741-20-20W	1.5/8"X12	32	20	96.6	17	35.9	50
26741-24-20W	1.7/8"X12	32	20	100.8	20	40.1	55
26741-24-24W	1.7/8"X12	40	24	114.8	20	44.1	55
26741-32-32W	2.1/2"X12	50	32	135.9	23.5	51.6	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 26742-xx-xx.



26791

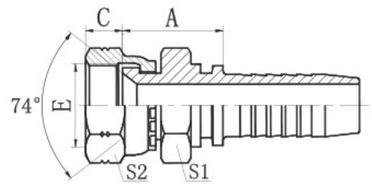


26791W

90° JIC FEMALE 74° CONE SEAT SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
26791–04–03	7/16"×20	5	03	26.5	9	30.5	15
26791–04–04	7/16"×20	6	04	30	9	33.5	15
26791–05–04	1/2"×20	6	04	30	9.5	34	17
26791–05–05	1/2"×20	8	05	33	9.5	37	17
26791–05–06	1/2"×20	10	06	35.3	9.5	39.3	17
26791–06–04	9/16"×18	6	04	30	10.5	34	19
26791–06–05	9/16"×18	8	05	33	10.5	37	19
26791–06–06	9/16"×18	10	06	35.3	10.5	39.3	19
26791–06–08	9/16"×18	12	08	35.8	10.5	39.8	19
26791–08–06	3/4"×16	10	06	35.3	11	41.3	24
26791–08–08	3/4"×16	12	08	41	11	47.5	24
26791–08–10	3/4"×16	16	10	49	11	47.5	24
26791–10–08	7/8"×14	12	08	41	13	48	27
26791–10–10	7/8"×14	16	10	56	13	52.5	27
26791–10–12	7/8"×14	20	12	64.9	13	62	27
26791–12–08	1.1/16"×12	12	08	41	15	49.5	32
26791–12–10	1.1/16"×12	16	10	56	15	54	32
26791–12–12	1.1/16"×12	20	12	65.5	15	63.5	32
26791–12–16	1.1/16"×12	25	16	74	15	63.5	32
26791–14–12	1.3/16"×12	20	12	65.5	15	63.5	36
26791–16–12	1.5/16"×12	20	12	65.5	16	63.5	41
26791–16–16	1.5/16"×12	25	16	76.7	16	70	41
26791–20–20W	1.5/8"×12	32	20	91.5	17	80.5	50
26791–24–20W	1.7/8"×12	32	20	91.5	20	80.5	55
26791–24–24W	1.7/8"×12	40	24	109.4	20	94	55
26791–32–32W	2.1/2"×12	50	32	133.1	23.5	121.8	75

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 26792–xx–xx.

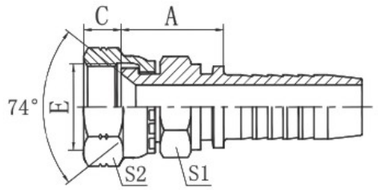


26711D

JIC FEMALE 74° CONE SEAT DOUBLE HEXAGON SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
26711D–04–04	7/16"X20	6	04	20	9	15	15
26711D–05–04	1/2"X20	6	04	20.5	9.5	17	17
26711D–06–04	9/16"X18	6	04	21	10.5	19	19
26711D–06–06	9/16"X18	10	06	21	10.5	19	19
26711D–08–06	3/4"X16	10	06	25	11	24	24
26711D–08–08	3/4"X16	12	08	24.5	11	24	24
26711D–08–10	3/4"X16	16	10	25.5	11	24	24
26711D–10–08	7/8"X14	12	08	28	13	27	27
26711D–10–10	7/8"X14	16	10	29	13	27	27
26711D–12–12	1.1/16"X12	20	12	31.5	15	32	32
26711D–16–12	1.5/16"X12	20	12	33.5	16	41	41
26711D–16–16	1.5/16"X12	25	16	34.5	16	41	41
26711D–16–20	1.5/16"X12	32	20	36.5	16	41	41
26711D–20–20	1.7/16"X12	32	20	39	17	50	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 26712D–xx–xx.

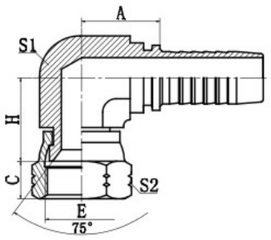


26711D–SM

JIC FEMALE 74° CONE SEAT DOUBLE HEXAGON SAE J514

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
26711D–04–04SM	7/16"X20	6	04	20	9	12	15
26711D–05–04SM	1/2"X20	6	04	20.5	9.5	12	17
26711D–06–04SM	9/16"X18	6	04	21	10.5	14	19
26711D–06–06SM	9/16"X18	10	06	21	10.5	17	19
26711D–08–06SM	3/4"X16	10	06	23	11	19	24
26711D–08–08SM	3/4"X16	12	08	24.5	11	22	24
26711D–08–10SM	3/4"X16	16	10	25.5	11	22	24
26711D–10–08SM	7/8"X14	12	08	24	13	22	27
26711D–10–10SM	7/8"X14	16	10	27	13	22	27
26711D–12–12SM	1.1/16"X12	20	12	31.5	15	27	32
26711D–16–12SM	1.5/16"X12	20	12	31.5	16	32	41
26711D–16–16SM	1.5/16"X12	25	16	32.5	16	32	41
26711D–20–20SM	1.7/16"X12	32	20	37	17	41	50

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 26712D–xx–xxSM.

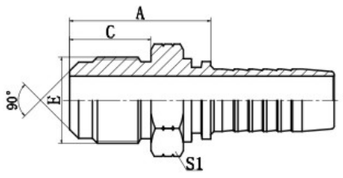


26791K

90° JIC FEMALE 74° CONE SEAT COMPACT ELBOW

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
26791K-04-04	7/16"X20	6	04	17.5	9	18	11	15
26791K-06-04	9/16"X18	6	04	20	10.5	20.5	14	19
26791K-06-06	9/16"X18	10	06	20	10.5	20.5	16	19
26791K-08-06	3/4"X16	10	06	23	11	25	19	24
26791K-08-08	3/4"X16	12	08	23.5	11	25	22	24
26791K-10-08	7/8"X14	12	08	25	13	27	22	27
26791K-10-10	7/8"X14	16	10	25	13	27	22	27
26791K-12-12	1.1/16"X12	20	12	29	15	31	27	32
26791K-16-16	1.5/16"X12	25	16	43	16	34.3	33	41

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 26792K-xx-xx.

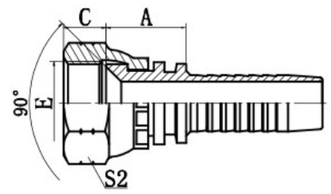


17811

SAE MALE 90° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
17811-04-04	7/16"X20	6	04	25.5	12.7	12
17811-05-05	1/2"X20	8	05	27	14.2	14
17811-06-06	5/8"X18	10	06	28.5	15.7	17
17811-08-08	3/4"X16	12	08	34	19	22
17811-10-10	7/8"X14	16	10	38.5	22.4	24
17811-12-12	1.1/16"X14	20	12	44	25.4	30

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 17812-xx-xx.

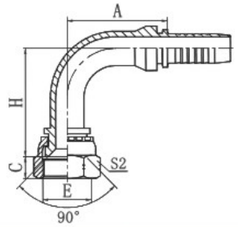


27811

SAE FEMALE 90° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
27811-04-03	7/16"X20	5	03	14	9	15
27811-04-04	7/16"X20	6	04	15	9	15
27811-05-05	1/2"X20	8	05	15.5	9.5	17
27811-06-04	5/8"X18	6	04	17	11.3	22
27811-06-05	5/8"X18	8	05	17	11.3	22
27811-06-06	5/8"X18	10	06	17	11.3	22
27811-08-08	3/4"X16	12	08	18	11	24
27811-10-08	7/8"X14	12	08	18.5	13	27
27811-10-10	7/8"X14	16	10	20	13	27
27811-12-12	1.1/16"X14	20	12	21.5	14.3	32

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 27812-xx-xx.

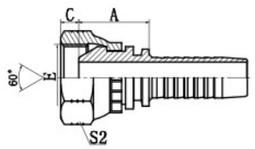


27891

90° SAE FEMALE 90° CONE SEAT SAE J513

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
27891-04-03	7/16"X20	5	03	26.5	9	30.5	15
27891-06-04	5/8"X18	6	04	30	11.3	36	22
27891-06-05	5/8"X18	8	05	33	11.3	39	22
27891-06-06	5/8"X18	10	06	35.3	11.3	41.3	22
27891-10-08	7/8"X14	12	08	41	13	47	27
27891-10-10	7/8"X14	16	10	56.5	13	51.5	27
27891-12-12	1.1/16"X14	20	12	65.5	14.3	63.5	32

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 27892-xx-xx.

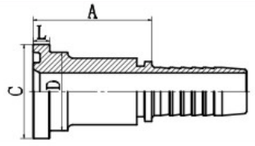


21611

NPSM FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
21611-04-04	1/4"X18	6	04	18	4.6	19
21611-04-06	1/4"X18	10	06	19	4.6	19
21611-06-04	3/8"X18	6	04	19	6	22
21611-06-05	3/8"X18	8	05	19	6	22
21611-06-06	3/8"X18	10	06	19	6	22
21611-08-08	1/2"X14	12	08	21.5	7.5	27
21611-12-10	3/4"X14	16	10	24	8.9	32
21611-12-12	3/4"X14	20	12	24	8.9	32
21611-16-12T	1"X11.5	20	12	25	10.5	41
21611-16-16	1"X11.5	25	16	27	10.5	41
21611-20-20W	1.1/4"X11.5	32	20	29.5	11.2	50
21611-24-24W	1.1/2"X11.5	40	24	29.5	11.2	55

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 21612-xx-xx.

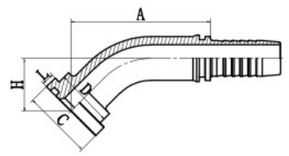


87311

SAE FLANGE 3000PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87311-08-08	1/2"	12	08	46	30.2	24	6.73
87311-12-08	3/4"	12	08	47	38.1	31.7	6.73
87311-12-10	3/4"	16	10	48	38.1	31.7	6.73
87311-12-12	3/4"	20	12	48	38.1	31.7	6.73
87311-12-16	3/4"	25	16	49	38.1	31.7	6.73
87311-16-12	1"	20	12	51	44.4	38	8
87311-16-16	1"	25	16	52	44.4	38	8
87311-16-20	1"	32	20	53	44.4	38	8
87311-20-16	1.1/4"	25	16	57	50.8	43	8
87311-20-20	1.1/4"	32	20	58	50.8	43	8
87311-24-20	1.1/2"	32	20	68	60.3	50	8
87311-24-24	1.1/2"	40	24	68	60.3	50	8
87311-32-24	2"	40	24	70	71.4	62	9.53
87311-32-32	2"	50	32	70	71.4	62	9.53
87311-40-40	2.1/2"	64	40	76	84.1	74	9.53

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 87312-xx-xx.

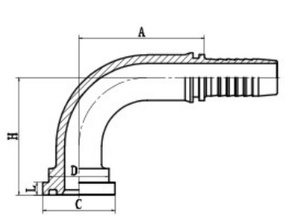


87341

45° SAE FLANGE 3000PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87341-08-08	1/2"	12	08	58.2	30.2	24	23.3	6.73
87341-12-08	3/4"	12	08	58.9	38.1	31.7	24	6.73
87341-12-10	3/4"	16	10	69.6	38.1	31.7	25.3	6.73
87341-12-12	3/4"	20	12	76.3	38.1	31.7	28.9	6.73
87341-16-12	1"	20	12	76.3	44.4	38	28.9	8
87341-16-16	1"	25	16	83.9	44.4	38	29.7	8
87341-16-20	1"	32	20	94.5	44.4	38	33.8	8
87341-20-16	1.1/4"	25	16	85.2	50.8	43	29.7	8
87341-20-20	1.1/4"	32	20	94.5	50.8	43	33.8	8
87341-24-20	1.1/2"	32	20	95.9	60.3	50	35.2	8
87341-24-24	1.1/2"	40	24	109.9	60.3	50	39.1	8
87341-32-24	2"	40	24	109.9	71.4	62	39.1	9.53
87341-32-32	2"	50	32	129.3	71.4	62	46.3	9.53

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 87342-xx-xx.

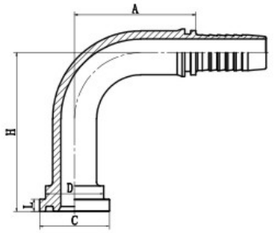


87391

90° SAE FLANGE 3000PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87391-08-08	1/2"	12	08	41	30.2	24	47	6.73
87391-12-08	3/4"	12	08	41	38.1	31.7	48	6.73
87391-12-10	3/4"	16	10	56	38.1	31.7	52.5	6.73
87391-12-12	3/4"	20	12	66.2	38.1	31.7	62	6.73
87391-12-16	3/4"	25	16	76.7	38.1	31.7	67.5	6.73
87391-16-12	1"	20	12	65.5	44.4	38	62	8
87391-16-16	1"	25	16	76.7	44.4	38	67.5	8
87391-16-20	1"	32	20	91.5	44.4	38	78.5	8
87391-20-16	1.1/4"	25	16	76.7	50.8	43	67.5	8
87391-20-20	1.1/4"	32	20	91.5	50.8	43	78.5	8
87391-20-24	1.1/4"	40	24	107	50.8	43	78.5	8
87391-24-20	1.1/2"	32	20	91.5	60.3	50	80.5	8
87391-24-24	1.1/2"	40	24	109.4	60.3	50	94	8
87391-32-24	2"	40	24	109.4	71.4	62	94	9.53
87391-32-32	2"	50	32	131.8	71.4	62	114.3	9.53
87391-40-32	2.1/2"	50	32	131.8	84.1	74.4	116.3	9.53

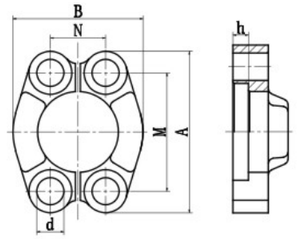
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 87392-xx-xx.



87391–H

90° SAE FLANGE 3000PSI

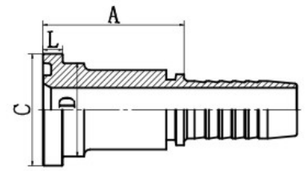
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87391–12–12(H90)	3/4"	20	12	65.5	38.1	32	90	6.73
87391–12–12(H100)	3/4"	20	12	65.5	38.1	32	100	6.73
87391–12–12(H127)	3/4"	20	12	65.5	38.1	32	127	6.73
87391–12–12(H150)	3/4"	20	12	65.5	38.1	32	150	6.73
87391–16–16(H100)	1"	25	16	76.7	44.4	38	100	8
87391–16–16(H127)	1"	25	16	76.7	44.4	38	127	8
87391–16–16(H150)	1"	25	16	76.7	44.4	38	150	8
87391–20–20(H100)	1.1/4"	32	20	91.5	50.8	43	100	8
87391–20–20(H127)	1.1/4"	32	20	91.5	50.8	43	127	8
87391–20–20(H150)	1.1/4"	32	20	91.5	50.8	43	150	8
87391–24–24(H127)	1.1/2"	40	24	109.4	60.3	50	127	8



FL
FS

SAE SPLIT FLANGE CLAMPS 3000PSI

PART NO.	FLANGE SIZE	DIMENSIONS							PN BAR MPa
		A	B	d	h	M	N		
3000PSI									
FL–08	1/2"	54	45.6	9	6.2	38.1	17.5	M8 × 25	34.5
FL–12	3/4"	65	51.8	11	6.2	47.6	22.2	M10 × 30	
FL–16	1"	70	58.4	11	7.5	52.4	26.2	M10 × 30	
FL–20	1.1/4"	79	72.6	11	7.5	58.7	30.2	M10 × 30	27.6
FL–24	1.1/2"	94	82.2	13.5	7.5	69.9	35.7	M12 × 35	20.7
FL–32	2"	102	96.4	13.5	9	77.8	42.9	M12 × 35	
FL–40	2.1/2"	114	108.2	13.5	9	88.9	50.8	M12 × 40	17.2
FL–48	3"	135	130.6	17.5	9	106.4	61.9	M16 × 50	13.8
6000PSI									
FS–08	1/2"	56	47.2	9	7.2	40.5	18.2	M8 × 30	42
FS–12	3/4"	71	60	11	8.2	50.8	23.8	M10 × 35	
FS–16	1"	81	69.6	13.5	9	57.2	27.8	M12 × 45	
FS–20	1.1/4"	95	77.2	13.5	9.8	66.6	31.8	M12 × 45	
FS–24	1.1/2"	113	95	17.5	12	79.3	36.5	M16 × 55	
FS–32	2"	133	113.8	22	12	96.8	44.5	M20 × 70	

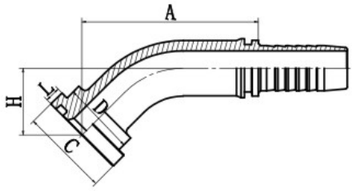


87611

SAE FLANGE 6000PSI
ISO 12151–3–SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87611–08–08	1/2"	12	08	47	31.7	24	7.75
87611–12–10	3/4"	16	10	50.5	41.3	32	8.76
87611–12–12	3/4"	20	12	51	41.3	32	8.76
87611–16–12	1"	20	12	56	47.6	38	9.53
87611–16–16	1"	25	16	57	47.6	38	9.53
87611–16–20	1"	32	20	61	47.6	38	9.53
87611–20–16	1.1/4"	25	16	65	54	44	10.29
87611–20–20	1.1/4"	32	20	66	54	44	10.29
87611–24–20	1.1/2"	32	20	75	63.5	51	12.57
87611–24–24	1.1/2"	40	24	75	63.5	51	12.57
87611–32–24	2"	40	24	85	79.4	67	12.57
87611–32–32	2"	50	32	85	79.4	67	12.57

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 87612–xx–xx.

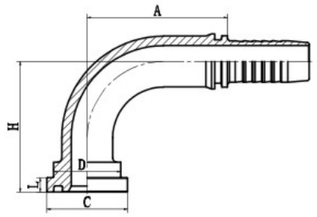


87641

45° SAE FLANGE 6000PSI
ISO 12151–3–SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87641–08–08	1/2"	12	08	58.9	31.7	24	24	7.75
87641–08–12	1/2"	20	12	77	31.7	24	29.6	7.75
87641–12–10	3/4"	16	10	72.5	41.3	32	28.2	8.76
87641–12–12	3/4"	20	12	79.2	41.3	32	31.8	8.76
87641–16–16	1"	25	16	88.9	47.6	38	34.7	9.53
87641–20–20	1.1/4"	32	20	102.3	54	44	41.5	10.29
87641–24–20	1.1/2"	32	20	105.8	63.5	51	45.1	12.57
87641–24–24	1.1/2"	40	24	119.8	63.5	51	49	12.57
87641–32–24	2"	40	24	125.4	79.4	67	54.7	12.57
87641–32–32	2"	50	32	144.8	79.4	67	61.9	12.57

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 87642–xx–xx.

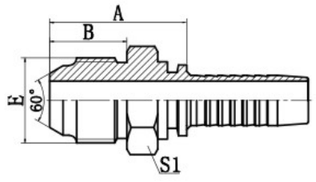


87691

90° SAE FLANGE 6000PSI
ISO 12151-3--SAE J516

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87691-08-08	1/2"	12	08	41	31.7	24	48	7.75
87691-12-10	3/4"	16	10	56.5	41.3	32	56.5	8.76
87691-12-12	3/4"	20	12	66.2	41.3	32	66	8.76
87691-16-12	1"	20	12	66.2	47.6	38	69	9.53
87691-16-16	1"	25	16	78	47.6	38	74.5	9.53
87691-16-20	1"	32	20	91.5	47.6	38	85.5	9.53
87691-20-16	1.1/4"	25	16	78	54	44	78.5	10.29
87691-20-20	1.1/4"	32	20	91.5	54	44	89.5	10.29
87691-24-20	1.1/2"	32	20	91.5	63.5	51	94.5	12.57
87691-24-24	1.1/2"	40	24	109.4	63.5	51	108	12.57
87691-32-24	2"	40	24	109.4	79.4	67	116	12.57
87691-32-32	2"	50	32	131.8	79.4	67	136.3	12.57

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 87692-xx-xx.

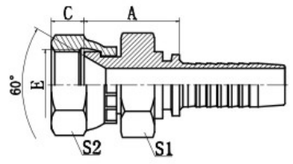


18611

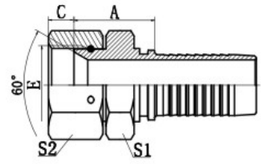
JIS METRIC MALE 60° CONE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	B	S1
18611-14-04	M14 × 1.5	6	04	29.5	17	17
18611-16-04	M16 × 1.5	6	04	30.5	18	17
18611-16-06	M16 × 1.5	10	06	30.5	18	17
18611-18-06	M18 × 1.5	10	06	30.5	18	19
18611-20-08	M20 × 1.5	12	08	35	20	22
18611-22-08	M22 × 1.5	12	08	35.5	20	24
18611-24-10	M24 × 1.5	16	10	39.5	21.5	27
18611-30-12	M30 × 1.5	20	12	45.5	26	32
18611-33-16	M33 × 1.5	25	16	50.5	30	36
18611-36-20	M36 × 1.5	32	20	56.5	33	38
18611-42-24	M42 × 1.5	40	24	59.5	36	46

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 18612-xx-xx.



28611

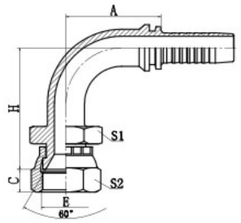


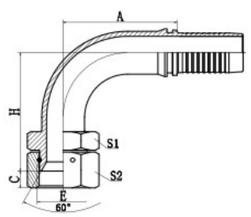
28611-W

JIS METRIC FEMALE 60° CONE SEAT DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
28611-12-04	M12 × 1.5	6	04	20	9	17	17
28611-14-04W	M14 × 1.5	6	04	23	10.5	19	19
28611-14-06	M14 × 1.5	10	06	21	10.5	19	19
28611-16-04	M16 × 1.5	6	04	24	10	22	22
28611-16-05	M16 × 1.5	8	05	24	10	22	22
28611-16-06	M16 × 1.5	10	06	24	10	22	22
28611-18-06	M18 × 1.5	10	06	24	11.5	24	24
28611-18-08	M18 × 1.5	12	08	24.5	11.5	24	24
28611-20-08	M20 × 1.5	12	08	28.5	12	27	27
28611-22-08	M22 × 1.5	12	08	25.5	14	27	27
28611-24-08	M24 × 1.5	12	08	27.5	15	32	32
28611-24-10	M24 × 1.5	16	10	28	15	32	32
28611-30-12	M30 × 1.5	20	12	28.5	18.3	36	36
28611-33-12	M33 × 1.5	20	12	31	21.3	41	41
28611-33-16	M33 × 1.5	25	16	32	21.3	41	41
28611-36-20	M36 × 1.5	32	20	35.5	20	46	46
28611-42-24W	M42 × 1.5	40	24	36	18.8	55	55

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 28612-xx-xx.



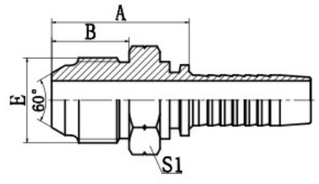


28691 **28691–W**

90° JIS METRIC FEMALE 60° CONE SEAT DOUBLE HEXAGON

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
28691–14–04W	M14 × 1.5	6	04	30	10.5	40	19	19
28691–14–06	M14 × 1.5	10	06	35.3	10.5	43.3	19	19
28691–16–05	M16 × 1.5	8	05	33	10	44	22	22
28691–18–06	M18 × 1.5	10	06	35.3	11.5	46.3	24	24
28691–22–08	M22 × 1.5	12	08	41	14	52.5	27	27
28691–24–10	M24 × 1.5	16	10	56	15	59	32	32
28691–30–12	M30 × 1.5	20	12	65.5	18.3	71.5	36	36
28691–33–16	M33 × 1.5	25	16	76.7	21.3	76	41	41
28691–36–20	M36 × 1.5	32	20	93	20	89	46	46
28691–42–24W	M42 × 1.5	40	24	109.4	18.8	108	55	55

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 28692–xx–xx.

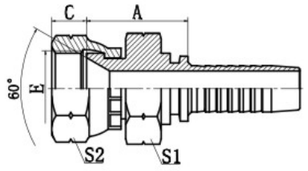


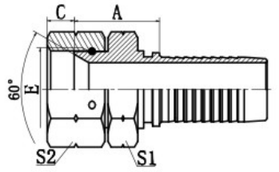
19611

JIS GAS MALE 60° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	B	S1
19611–04–04	G1/4" × 19	6	04	29	16	17
19611–06–06	G3/8" × 19	10	06	31	18	19
19611–08–08	G1/2" × 14	12	08	35.5	20	22
19611–12–12	G3/4" × 14	20	12	41	22	30
19611–16–16	G1" × 11	25	16	45.5	24	36

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 19612–xx–xx.



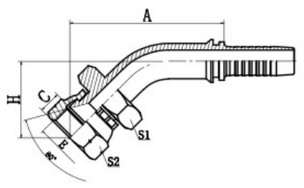


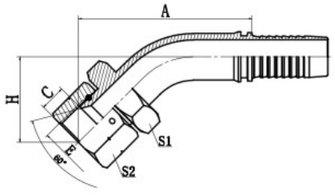
29611 **29611–W**

JIS GAS FEMALE 60° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	S1	S2	
29611–02–03	G1/8" × 28	5	03	20	7	14	14	
29611–04–04	G1/4" × 19	6	04	21	8	19	19	
29611–04–05	G1/4" × 19	8	05	21	8	19	19	
29611–06–04	G3/8" × 19	6	04	23	9	22	22	
29611–06–06	G3/8" × 19	10	06	23	9	22	22	
29611–08–06	G1/2" × 14	10	06	28	12	27	27	
29611–08–08	G1/2" × 14	12	08	26.5	12	27	27	
29611–10–10	G5/8" × 14	16	10	30.5	11.5	30	30	
29611–12–10	G3/4" × 14	16	10	30	13.5	32	32	
29611–12–12	G3/4" × 14	20	12	30.5	13.5	32	32	
29611–16–16	G1" × 11	25	16	32	16	41	41	
29611–20–20W	G1.1/4" × 11	32	20	43	18.5	50	50	
29611–24–24W	G1.1/2" × 11	40	24	43.5	19	55	55	
29611–32–32W	G2" × 11	50	32	46.5	23	70	70	

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 29612–xx–xx.



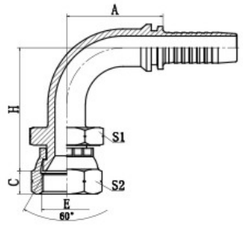


29641 **29641–W**

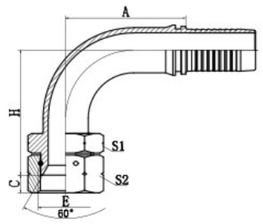
45° JIS GAS FEMALE 60° CONE SEAT JIS B8363

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
29641–04–04	G1/4" × 19	6	04	43.4	8	21.3	19	19
29641–06–06	G3/8" × 19	10	06	48.9	9	24.6	22	22
29641–08–08	G1/2" × 14	12	08	62.5	12	27.5	27	27
29641–12–12	G3/4" × 14	20	12	81.3	13.5	33.9	32	32
29641–16–16	G1" × 11	25	16	87.3	16	36	41	41
29641–20–20W	G1.1/4" × 11	32	20	107.3	18.5	46.5	50	50
29641–24–24W	G1.1/2" × 11	40	24	122.8	19	50.8	55	55
29641–32–32W	G2" × 11	50	32	143	23	60	70	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 29642–xx–xx.



29691

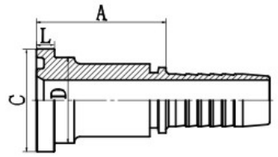


29691-W

90° JIS GAS FEMALE 60° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
29691-04-04	G1/4"X19	6	04	30	8	38	19	19
29691-04-05	G1/4"X19	8	05	34	8	41	19	19
29691-06-06	G3/8"X19	10	06	35.6	9	45.8	22	22
29691-08-08	G1/2"X14	12	08	41	12	53	27	27
29691-10-10	G5/8"X14	16	10	56.5	11.5	61	30	30
29691-12-12	G3/4"X14	20	12	65.5	13.5	69	32	32
29691-16-16	G1"X11	25	16	76.7	16	76.5	41	41
29691-20-20W	G1.1/4"X11	32	20	91.5	18.5	92.5	50	50
29691-24-24W	G1.1/2"X11	40	24	109.4	19	110.5	55	55
29691-32-32W	G2"X11	50	23	131.8	23	133.8	70	70

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 29692-xx-xx.

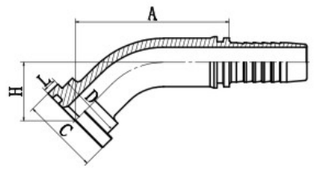


88111

JIS FLANGE

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
88111-10-08	5/8"	12	08	45	34.2	27.8	6.7
88111-10-10	5/8"	16	10	45.5	34.2	27.8	6.7
88111-10-12	5/8"	20	12	46	34.2	27.8	6.7

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 88112-xx-xx.

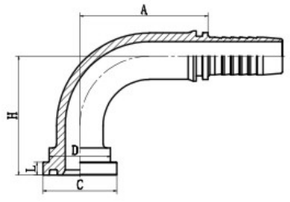


88141

45° JIS FLANGE

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
88141-10-08	5/8"	12	08	58.9	34.2	27.8	24	6.7
88141-10-10	5/8"	16	10	69.6	34.2	27.8	25.3	6.7
88141-10-12	5/8"	20	12	76.3	34.2	27.8	28.9	6.7

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 88142-xx-xx.

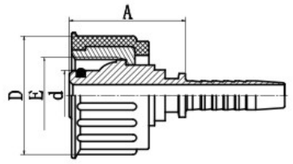


88191

90° JIS FLANGE

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
88191-10-08	5/8"	12	08	41	34.2	27.8	48	6.7
88191-10-10	5/8"	16	10	56	34.2	27.8	52.5	6.7
88191-10-12	5/8"	20	12	66.2	34.2	27.8	62	6.7

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 88192-xx-xx.

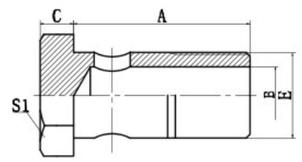


20011–ST

METRIC FEMALE WATREWASH INSERTS

PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	d	D
20011–22–03ST	M22 × 1.5	5	03	24.5	14	34.5
20011–22–04ST	M22 × 1.5	6	04	25	14	34.5
20011–22–05ST	M22 × 1.5	8	05	25	14	34.5
20011–22–06ST	M22 × 1.5	10	06	25	14	34.5

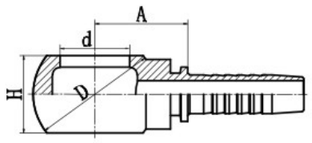
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 20012–xx–xx.



700M

METRIC BOLT DIN 7643

PART NO.	THREAD	DIMENSIONS			
	E	A	B	C	S1
700M–10	M10 × 1	19	4	6	17
700M–12	M12 × 1.5	24	6	6	17
700M–14	M14 × 1.5	26	8	7	19
700M–16	M16 × 1.5	28	9	7.5	22
700M–18	M18 × 1.5	32	11	8	24
700M–22	M22 × 1.5	39	14	9	27
700M–26	M26 × 1.5	45	18	10	32
700M–30	M30 × 1.5	51	22	11	38

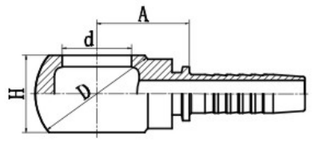


70011

METRIC BANJO DIN7642

PART NO.	BOLT	HOSE BORE		DIMENSIONS			
		DN	DASH	A	d	D	H
70011–10–03	M10 × 1	5	03	14.5	10.1	17	10
70011–10–04	M10 × 1	6	04	17	10.1	17	10
70011–12–04	M12 × 1.5	6	04	20.5	12.1	20	12
70011–12–05	M12 × 1.5	8	05	20.5	12.1	20	12
70011–12–06	M12 × 1.5	10	06	20.5	12.1	20	12
70011–14–04	M14 × 1.5	6	04	19	14.1	24	14
70011–14–05	M14 × 1.5	8	05	19	14.1	24	14
70011–14–06	M14 × 1.5	10	06	21	14.1	24	14
70011–16–04	M16 × 1.5	6	04	20.5	16.1	28	16
70011–16–05	M16 × 1.5	8	05	20.5	16.1	28	16
70011–16–06	M16 × 1.5	10	06	20.5	16.1	28	16
70011–18–04	M18 × 1.5	6	04	23	18.1	32	20
70011–18–05	M18 × 1.5	8	05	24	18.1	32	20
70011–18–06	M18 × 1.5	10	06	24	18.1	32	20
70011–18–08	M18 × 1.5	12	08	24.5	18.1	32	20
70011–22–06	M22 × 1.5	10	06	28.1	22.1	39	25
70011–22–08	M22 × 1.5	12	08	28.5	22.1	39	25
70011–22–10	M22 × 1.5	16	10	27.5	22.1	39	25
70011–26–12	M26 × 1.5	20	12	30.5	26.1	46	30
70011–30–16	M30 × 1.5	25	16	37	30.1	54	36
70011–30–20	M30 × 1.5	32	20	41	30.1	54	36

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 70012–xx–xx.

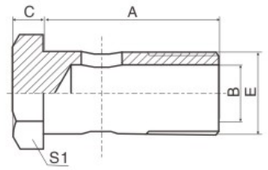


71011

JB METRIC BANJO

PART NO.	BOLT	HOSE BORE		DIMENSIONS			
		DN	DASH	A	d	D	H
71011–06–04	M6 × 1	6	04	16	6	18	12
71011–08–04	M8 × 1	6	04	17	8	20	13
71011–10–04	M10 × 1	6	04	19	10	22	13
71011–10–05	M10 × 1	8	05	19	10	22	13
71011–10–06	M10 × 1	10	06	19	10	22	13
71011–12–06	M12 × 1.5	10	06	21	12	26	15
71011–14–04	M14 × 1.5	6	04	20.5	14	28	18
71011–14–05	M14 × 1.5	8	05	21.5	14	28	18
71011–14–06	M14 × 1.5	10	06	21.5	14	28	18
71011–14–08	M14 × 1.5	12	08	22.5	14	28	18
71011–16–05	M16 × 1.5	8	05	22.5	16	32	18
71011–16–08	M16 × 1.5	12	08	25	16	32	18
71011–18–06	M18 × 1.5	10	06	26.5	18	36	22
71011–18–08	M18 × 1.5	12	08	27	18	36	22
71011–18–10	M18 × 1.5	16	10	27.5	18	36	22
71011–20–06	M20 × 1.5	10	06	29.5	20	36	22
71011–20–08	M20 × 1.5	12	08	30	20	36	22
71011–22–10	M22 × 1.5	16	10	30.5	22	46	30
71011–22–12	M22 × 1.5	20	12	31	22	46	30
71011–27–10	M27 × 2	16	10	36.5	27	56	36
71011–27–14	M27 × 2	22	14	36	27	56	36
71011–27–16	M33 × 2	25	16	36	27	56	36
71011–33–12	M33 × 2	20	12	43	33	64	50
71011–42–20	M42 × 2	32	20	54	42	78	64

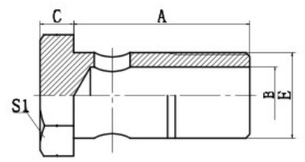
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 71012–xx–xx.



710M

JB METRIC BOLT

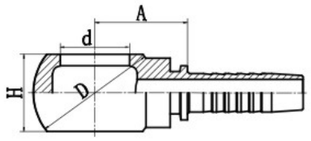
PART NO.	THREAD E	DIMENSIONS			
		A	B	C	S1
710M–10	M10 × 1	25	4	6	17
710M–14	M14 × 1.5	32	8	7	19
710M–18	M18 × 1.5	38	11	8	24
710M–22	M22 × 1.5	48	14	9	30
710M–27	M27 × 2	60	18	10	36
710M–33	M33 × 2	63	22	12	41
710M–42	M42 × 2	85	28	14	55



720B

BSP BOLT

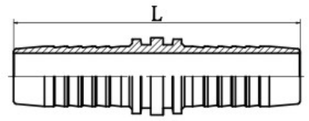
PART NO.	THREAD	DIMENSIONS			
	E	A	B	C	S1
720B–02	G1/8" × 28	29.5	4.8	4.8	14
720B–04	G1/4" × 19	28.5	6	6	19
720B–06	G3/8" × 19	38.5	9	7	22
720B–08	G1/2" × 14	44	13	8.5	27
720B–10	G5/8" × 14	48.5	15	10	30
720B–12	G3/4" × 14	56	18	10	32
720B–16	G1" × 11	68.5	22	13	41



72011
BSP BANJO

PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	d	D	H
72011–02–03	G1/8"×28	5	03	18	9.9	24	16
72011–02–04	G1/8"×28	6	04	18.5	9.9	24	16
72011–04–03	G1/4"×19	5	03	19	13.3	24	15
72011–04–04	G1/4"×19	6	04	19.5	13.3	24	15
72011–04–05	G1/4"×19	8	05	19.5	13.3	24	15
72011–04–06	G1/4"×19	10	06	19.5	13.3	24	15
72011–06–04	G3/8"×19	6	04	22	16.7	29	20
72011–06–05	G3/8"×19	8	05	22	16.7	29	20
72011–06–06	G3/8"×19	10	06	22	16.7	29	20
72011–06–08	G3/8"×19	12	08	23	16.7	29	20
72011–08–05	G1/2"×14	8	05	27.5	21	38	25
72011–08–06	G1/2"×14	10	06	27.5	21	38	25
72011–08–08	G1/2"×14	12	08	28	21	38	25
72011–08–10	G1/2"×14	16	10	29	21	38	25
72011–10–10	G5/8"×14	16	10	28	23	40	27
72011–12–10	G3/4"×14	16	10	32	26.5	48	31
72011–12–12	G3/4"×14	20	12	32	26.5	48	31
72011–16–08	G1"×11	12	08	40	33.3	60	42
72011–16–12	G1"×11	20	12	40	33.3	60	42
72011–16–16	G1"×11	25	16	41	33.3	60	42

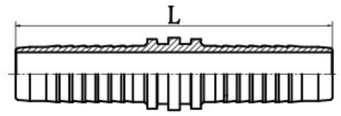
Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 72012–xx–xx.



90011
DOUBLE CONNECTOR

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
90011–04	6	04	69
90011–05	8	05	69
90011–06	10	06	73
90011–08	12	08	77
90011–10	16	10	83
90011–12	20	12	93
90011–16	25	16	114
90011–20	32	20	132
90011–24	40	24	162
90011–32	50	32	170

Note:For wire braid hose.

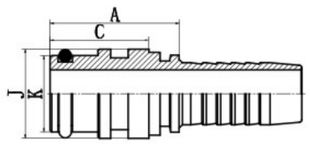


90012
DOUBLE CONNECTOR

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
90012–04	6	04	83
90012–05	8	05	87
90012–06	10	06	87
90012–08	12	08	91
90012–10	16	10	97
90012–12	20	12	110
90012–16	25	16	134
90012–20	32	20	153
90012–24	40	24	172
90012–32	50	32	178

Note:For sprial hose.

Swaged Hose Fitting



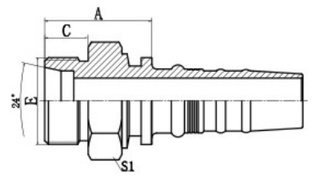
67011

SAE STAPLELOK MALE SAE J1467

PART NO.	HOSE BORE		O-RING	DIMENSIONS			
	DN	DASH		A	C	J	K
67011-04-04	6	04	O06.0X2.0	34	28	14.9	9.9
67011-06-06	10	06	O10.0X2.0	35	28	19.9	13.9
67011-08-08	12	08	O13.0X2.5	36	28	23.9	17.9
67011-12-12	20	12	O19.0X2.5	37.5	28	28.9	23.9
67011-16-16	25	16	O25.0X2.5	44	33	38.8	30.9
67011-20-20	32	20	O33.0X2.5	44	33	45.9	37.9
67011-24-24	40	24	O40.0X3.0	47.5	36.3	54.9	46.9
67011-32-32	50	32	O50.0X3.0	47.5	36.3	63.9	55.9

Note: 1.For use with braided hoses. 2.If use with spiral hoses,hose fitting series number is 67012-xx-xx.

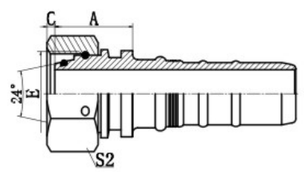
Interlock Hose Fitting



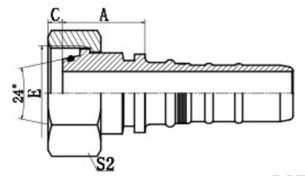
10513

METRIC MALE 24° CONE SEAT
H.T.FOR SPIRAL HOSE DIN3853

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		A	C	S
10513-36-12	M36X2	20	12	25	43.5	20	41
10513-42-16	M42X2	25	16	30	46.4	20	46
10513-52-20	M52X2	32	20	38	52.8	22	55



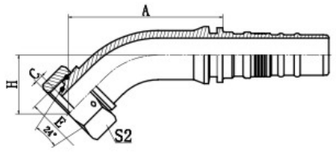
20513-W



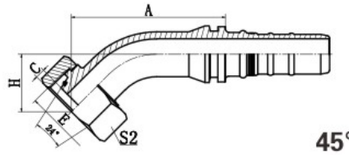
20513-T

METRIC FEMALE 24° CONE H.T.
WITH O-RING DIN3865(CRIMP TYPE)

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS		
		DN	DASH			A	C	S2
20513-30-12W	M30X2	20	12	20	O16.3X2.4	30	2.5	36
20513-36-12T	M36X2	20	12	25	O20.3X2.4	38.5	3.5	46
20513-36-16W	M36X2	25	16	25	O20.3X2.4	31.9	3.2	46
20513-42-12T	M42X2	20	12	30	O25.3X2.4	42	3.9	50
20513-42-16W	M42X2	25	16	30	O25.3X2.4	33.4	3.9	50
20513-42-20W	M42X2	32	20	30	O25.3X2.4	38.8	3.9	50
20513-52-20T	M52X2	32	20	38	O33.3X2.4	45.3	4.5	60
20513-52-24W	M52X2	40	24	38	O33.3X2.4	38.2	4.5	60



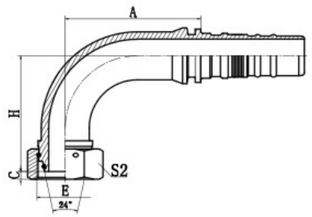
20543–W



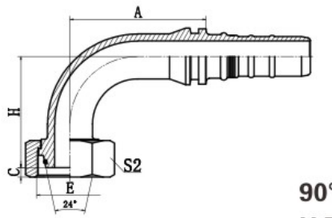
20543–T

45° METRIC FEMALE 24° CONE H.T. WITH O–RING DIN3865(CRIMP TYPE)

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
20543–36–12T	M36X2	20	12	25	O20.3X2.4	89.4	3.5	33	46
20543–42–16W	M42X2	25	16	30	O25.3X2.4	102.3	3.9	35.9	50
20543–52–20T	M52X2	32	20	38	O33.3X2.4	114.5	4.5	39.4	60



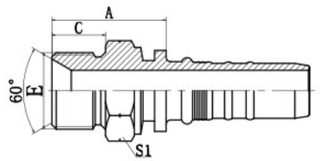
20593–W



20593–T

90° METRIC FEMALE 24° CONE H.T. WITH O–RING DIN3865(CRIMP TYPE)

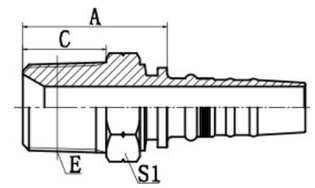
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	O RING	DIMENSIONS			
		DN	DASH			A	C	H	S2
20593–36–12T	M36X2	20	12	25	O20.3X2.4	74.5	3.5	67.8	46
20593–36–16W	M36X2	25	16	25	O20.3X2.4	88.9	3.2	79.5	46
20593–42–16W	M42X2	25	16	30	O25.3X2.4	88.9	3.9	80.5	50
20593–42–20W	M42X2	32	20	30	O25.3X2.4	105.8	3.9	91.5	50
20593–52–20T	M52X2	32	20	38	O33.3X2.4	105.8	4.5	86.5	60
20593–52–24W	M52X2	40	24	38	O33.3X2.4	124.2	4.5	104.5	60



12613

BSPP MALE 60° CONE SEAT

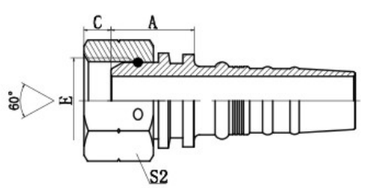
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
12613–12–12	G3/4"X14	20	12	37.5	18.5	30
12613–16–16	G1"X11	25	16	41	20.5	36
12613–20–20	G1.1/4"X11	32	20	45.3	20.5	46
12613–24–24	G1.1/2"X11	40	24	49.7	23	50
12613–32–32	G2"X11	50	32	52	25.5	60



13013–SP

BSPP MALE

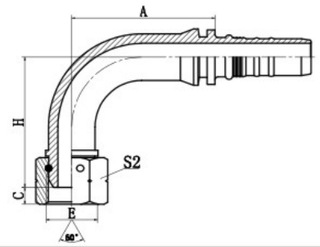
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
13013–12–12SP	R3/4"X14	20	12	38	20	30
13013–16–16SP	R1"X11	25	16	45.9	25.5	38
13013–20–20SP	R1.1/4"X11	32	20	51.3	26.5	46
13013–24–24SP	R1.1/2"X11	40	24	53.2	26.5	50
13013–32–32SP	R2"X11	50	32	58.5	30	65



22613–W

BSPP FEMALE 60° CONE

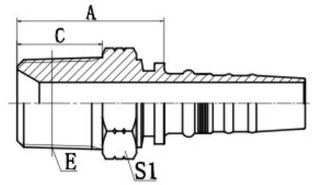
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
22613–12–12W	G3/4"X14	20	12	27.5	8.7	32
22613–16–16W	G1"X11	25	16	32.4	10.5	41
22613–20–20W	G1.1/4"X11	32	20	35.8	10.1	50
22613–24–24W	G1.1/2"X11	40	24	36.7	12.5	55
22613–32–32W	G2"X11	50	32	36.5	16	70



22693–W

90° BSPP FEMALE 60° CONE

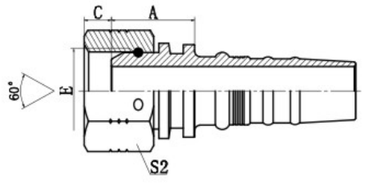
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
22693–12–12W	G3/4"X14	20	12	73.8	8.7	67.1	32
22693–16–16W	G1"X11	25	16	91.9	10.5	72	41
22693–20–20W	G1.1/4"X11	32	20	105.8	10.1	88.3	50
22693–24–24W	G1.1/2"X11	40	24	124.2	12.5	103	55
22693–32–32W	G2"X11	50	32	148.8	16	123.3	70



15613

NPT MALE

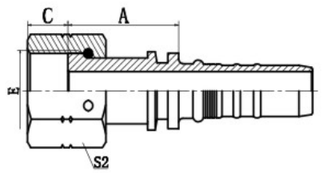
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
15613–12–12	Z3/4"X14	20	12	37.5	19.5	30
15613–16–16	Z1"X11.5	25	16	45.9	25.5	38
15613–20–20	Z1.1/4"X11.5	32	20	51.3	26.5	46
15613–24–24	Z1.1/2"X11.5	40	24	54.2	27.5	50
15613–32–32	Z2"X11.5	50	32	56.5	27.5	65



21613–W

NPSM FEMALE 60° CONE

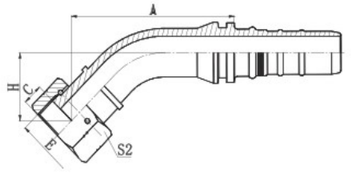
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
21613–12–12W	3/4"X14	20	12	26.5	9	32
21613–16–16W	1"X11.5	25	16	30.4	10.5	41
21613–20–20W	1.1/4"X11.5	32	20	32.5	11	50
21613–24–24W	1.1/2"X11.5	40	24	36.7	14	55
21613–32–32W	2"X11.5	50	32	36.5	16	70



24213–W

ORFS FEMALE FLAT SEAT ISO 12151–1——SAE J516

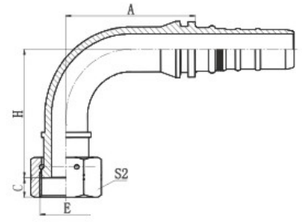
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
24213–12–12W	1.3/16"X12	20	12	41	15	36
24213–16–16W	1.7/16"X12	25	16	44.4	15	41
24213–20–20W	1.11/16"X12	32	20	47.8	15	50
24213–24–24W	2"X12	40	24	48.2	15	60



24243–W

45° ORFS FEMALE FLAT SEAT

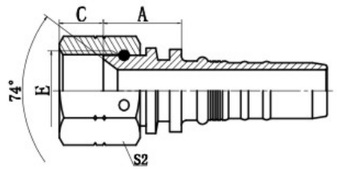
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
24243–12–12W	1.3/16"X12	20	12	97.7	15	42	36
24243–16–16W	1.7/16"X12	25	16	111	15	44.6	41
24243–20–20W	1.11/16"X12	32	20	124	15	49	50
24243–24–24W	2"X12	40	24	138.2	14.8	53.6	60



24293–W

90° ORFS FEMALE FLAT SEAT ISO 12151–1——SAE J516

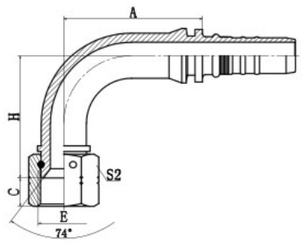
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
24293–12–12W	1.3/16"X12	20	12	73.8	15	80.5	36
24293–16–16W	1.7/16"X12	25	16	88.9	15	88.5	41
24293–20–20W	1.11/16"X12	32	20	105.8	15	100	50
24293–24–24W	2"X12	40	24	123.2	14.8	114.5	60



26713–W

JIC FEMALE 74° CONE SEAT

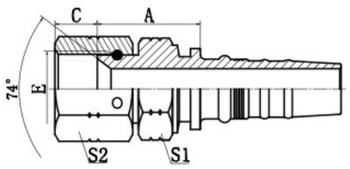
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
26713–12–12W	1.1/16"X12	20	12	26.5	15	32
26713–16–16W	1.5/16"X12	25	16	29.4	16	41
26713–20–20W	1.5/8"X12	32	20	32.3	16.1	50
26713–24–24W	1.7/8"X12	40	24	35.2	20	60
26713–32–32W	2.1/2"X12	50	32	34.5	23.5	75



26793–W

90° JIC FEMALE 74° CONE SEAT

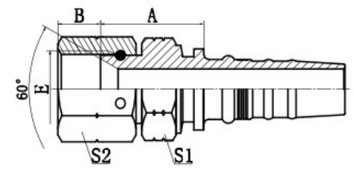
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	H	S2
26793–12–12W	1.1/16"X12	20	12	73.8	15	64.5	32
26793–16–16W	1.5/16"X12	25	16	88.9	16	72.5	41
26793–20–20W	1.5/8"X12	32	20	105.8	16.1	81.5	50
26793–24–24W	1.7/8"X12	40	24	124.2	20	101	55
26793–32–32W	2.1/2"X12	50	32	150.3	23.5	121.3	75



26713D–W

JIC FEMALE 74° CONE SEAT

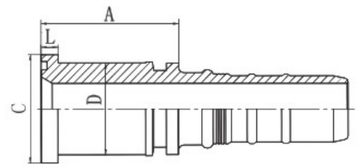
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	S1	S2
26713D–12–12W	1.1/16"X12	20	12	37.5	15	30	32
26713D–16–16W	1.5/16"X12	25	16	42.4	16	38	41
26713D–20–20W	1.5/8"X12	32	20	47.3	17	46	50
26713D–24–24W	1.7/8"X12	40	24	50.2	20	50	60
26713D–32–32W	2.1/2"X12	50	32	52	23.5	65	75



29613–W

JIS GAS FEMALE 60° CONE SEAT

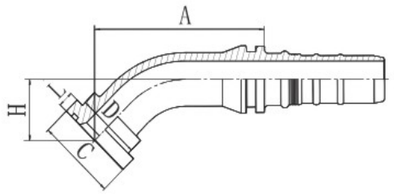
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	B	S1	S2
29613–12–12W	G3/4"X14	20	12	40	13.5	32	32
29613–16–16W	G1"X11	25	16	44.4	16	41	41
29613–20–20W	G1.1/4"X11	32	20	48.8	18.5	50	50
29613–24–24W	G1.1/2"X11	40	24	49.2	19	55	55
29613–32–32W	G2"X11	50	32	52	23	70	70



87313

SAE FLANGE 3000PSI
ISO 12151–3––SAE J516

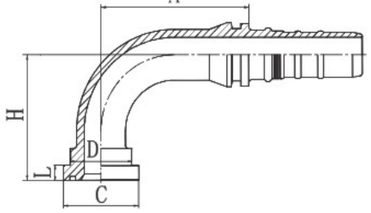
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87313–12–12	3/4"	20	12	50	38.1	31.7	6.73
87313–16–12	1"	20	12	54	44.4	38	8
87313–16–16	1"	25	16	54.4	44.4	38	8
87313–20–16	1.1/4"	25	16	59.4	50.8	43	8
87313–20–20	1.1/4"	32	20	65.8	50.8	43	8
87313–24–20	1.1/2"	32	20	71.8	60.3	50	8
87313–24–24	1.1/2"	40	24	72.2	60.3	50	8
87313–32–24	2"	40	24	74.2	71.4	62	9.53
87313–32–32	2"	50	32	78.5	71.4	62	9.53



87343

45° SAE FLANGE 3000PSI

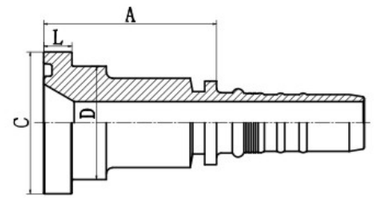
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87343–12–12	3/4"	20	12	85.8	38.1	31.7	28.9	7
87393–16–12	1"	20	12	85.8	44.4	38	28.9	8
87343–16–16	1"	25	16	96.1	44.4	38	29.7	8
87343–20–16	1.1/4"	25	16	96.1	50.8	43	29.7	8
87343–20–20	1.1/4"	32	20	108.8	50.8	43	33.8	8
87343–24–20	1.1/2"	32	20	110.2	60.3	50	35.2	8
87343–24–24	1.1/2"	40	24	123.7	60.3	50	39.1	8
87343–32–24	2"	40	24	123.7	71.4	62	39.1	9.53
87343–32–32	2"	50	32	148.3	71.4	62	46.3	9.53



87393

90° SAE FLANGE 3000PSI

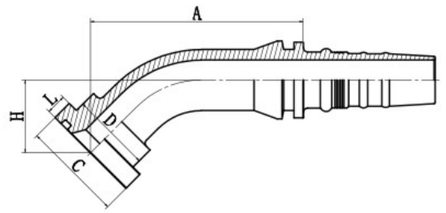
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87393–12–12	3/4"	20	12	75	38.1	31.7	62	7
87393–16–12	1"	20	12	75	44.4	38	62	8
87393–16–16	1"	25	16	88.9	44.4	38	67.5	8
87393–20–16	1.1/4"	25	16	88.9	50.8	43	67.5	8
87393–20–20	1.1/4"	32	20	105.8	50.8	43	78.5	8
87393–24–20	1.1/2"	32	20	105.8	60.3	50	80.5	8
87393–24–24	1.1/2"	40	24	123.2	60.3	50	94	8
87393–32–24	2"	40	24	123.2	71.4	62	94	9.53
87393–32–32	2"	50	32	150.3	71.4	62	114.3	9.53



87613

SAE FLANGE 6000PSI

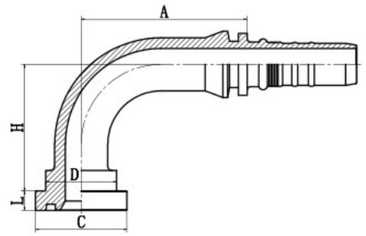
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87613–12–12	3/4"	20	12	53	41.3	32	8.76
87613–16–12	1"	20	12	58	47.6	38	9.53
87613–16–16	1"	25	16	59.4	47.6	38	9.53
87613–20–16	1.1/4"	25	16	67.4	54	44	10.29
87613–20–20	1.1/4"	32	20	69.8	54	44	10.29
87613–20–24	1.1/4"	40	24	74.7	54	44	10.29
87613–24–20	1.1/2"	32	20	78.8	63.5	51	12.57
87613–24–24	1.1/2"	40	24	78.7	63.5	51	12.57
87613–32–24	2"	40	24	91.2	79.4	67	12.57
87613–32–32	2"	50	32	91	79.4	67	12.57



87643

45° SAE FLANGE 6000PSI

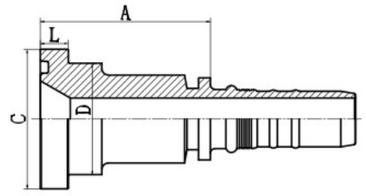
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87643–12–12	3/4"	20	12	88.7	41.3	32	31.8	8.76
87643–16–12	1"	20	12	90.8	47.6	38	33.2	9.53
87643–16–16	1"	25	16	101.1	47.6	38	34.7	9.53
87643–20–16	1.1/4"	25	16	103.9	54	44	37.5	10.29
87643–20–20	1.1/4"	32	20	116.6	54	44	41.5	10.29
87643–24–20	1.1/2"	32	20	120.1	63.5	51	45.1	12.57
87643–24–24	1.1/2"	40	24	134.6	63.5	51	49	12.57
87643–32–24	2"	40	24	140.2	79.4	67	54.7	12.57
87643–32–32	2"	50	32	163.3	79.4	67	61.9	12.57



87693

90° SAE FLANGE 6000PSI

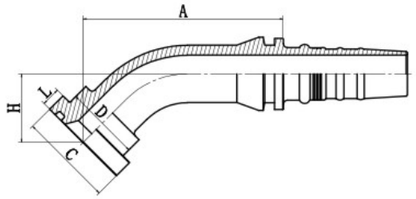
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87693–12–12	3/4"	20	12	75	41.3	32	66	8.76
87693–16–12	1"	20	12	75	47.6	38	68	9.53
87693–16–16	1"	25	16	88.9	47.6	38	73.5	9.53
87693–20–16	1.1/4"	25	16	88.9	54	44	78.5	10.29
87693–20–20	1.1/4"	32	20	105.8	54	44	86.5	10.29
87693–24–20	1.1/2"	32	20	105.8	63.5	51	89.5	12.57
87693–24–24	1.1/2"	40	24	124.2	63.5	51	103	12.57
87693–32–24	2"	40	24	124.2	79.4	67	103	12.57
87693–32–32	2"	50	32	150.3	79.4	67	123.3	12.57



87913

SAE FLANGE 9000PSI

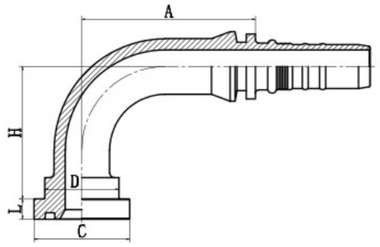
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
		DN	DASH	A	C	D	L
87913–12–12	3/4"	20	12	58.5	41.3	32	14.3
87913–16–12	1"	20	12	63	47.6	38	14.3
87913–16–16	1"	25	16	64.4	47.6	38	14.3
87913–20–16	1.1/4"	25	16	66.8	54	43	14.3
87913–20–20	1.1/4"	32	20	73.8	54	43	14.3
87913–24–20	1.1/2"	32	20	80.6	63.5	51	14.3
87913–24–24	1.1/2"	40	24	80.7	63.5	51	14.3



87943

45° SAE FLANGE 9000PSI

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87943–12–12	3/4"	20	12	92.6	41.3	32	35.6	14.3
87943–16–12	1"	20	12	93.7	47.6	38	36.7	14.3
87943–16–16	1"	25	16	103.9	47.6	38	37.5	14.3
87943–20–16	1.1/4"	25	16	104.6	54	43	38.2	14.3
87943–20–20	1.1/4"	32	20	117.3	54	43	42.3	14.3
87943–24–20	1.1/2"	32	20	118	63.5	51	43	14.3
87943–24–24	1.1/2"	40	24	132.5	63.5	51	46.9	14.3

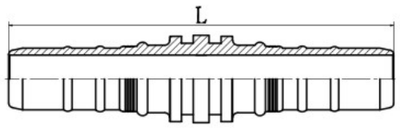


87993

90° SAE FLANGE 9000PSI

PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	D	H	L
87993–12–12	3/4"	20	12	75	41.3	32	71.5	14.3
87993–16–12	1"	20	12	75	47.6	38	73	14.3
87993–16–16	1"	25	16	88.9	47.6	38	78.5	14.3
87993–20–16	1.1/4"	25	16	88.9	54	43	79.5	14.3
87993–20–20	1.1/4"	32	20	105.8	54	43	90.5	14.3
87993–24–20	1.1/2"	32	20	105.8	63.5	51	91.5	14.3
87993–24–24	1.1/2"	40	24	124.2	63.5	51	105	14.3

Interlock Hose Fitting

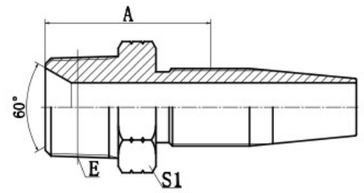


90013

DOUBLE CONNECTOR

PART NO.	HOSE BORE		DIMENSIONS
	DN	DASH	L
90013–12	20	12	119
90013–16	25	16	150
90013–20	32	20	194
90013–24	40	24	223
90013–32	50	32	235

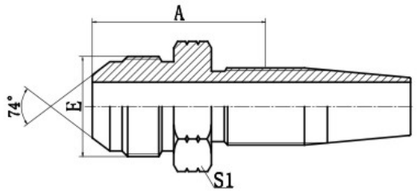
Reusable Hose Fitting



15618

NPT MALE

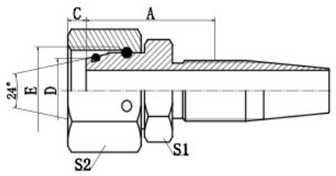
PART NO.	THREAD E	HOSE BORE	DIMENSIONS	
		DASH	A	S1
15618–02–04	Z1/8"X27	04	25.5	12
15618–04–04	Z1/4"X18	04	30	17
15618–04–06	Z1/4"X18	06	31	17
15618–06–05	Z3/8"X18	05	32.9	19
15618–06–06	Z3/8"X18	06	32	19
15618–08–08	Z1/2"X14	08	40.5	22
15618–12–10	Z3/4"X14	10	42.5	30
15618–12–12	Z3/4"X14	12	43	30
15618–16–16	Z1"X11.5	16	46.5	36
15618–20–20	Z1.1/4"X11.5	20	51.5	46
15618–24–24	Z1.1/2"X11.5	24	52.5	50
15618–32–32	Z2"X11.5	32	55	65



16718

JIC MALE74° CONE SAE J514

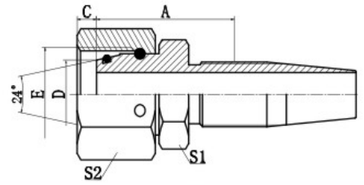
PART NO.	THREAD E	HOSE BORE	DIMENSIONS	
		DASH	A	S1
16718–04–04	7/16X20	04	29	12
16718–06–05	9/16"X18	05	31	17
16718–06–06	9/16"X18	06	32	17
16718–08–06	3/4"X16	06	34.7	22
16718–08–08	3/4"X16	08	38	22
16718–10–10	7/8"X14	10	40.5	24
16718–12–12	1.1/16"X12	12	45.5	30
16718–16–16	1.5/16"X12	16	44	36
16718–20–20	1.5/8"X12	20	49.5	46
16718–24–24	1.7/8"X12	24	52.5	50



20418D

METRIC FEMALE 24° CONE O–RING L.T

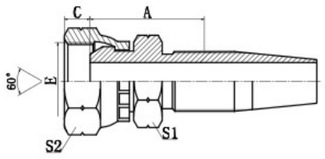
PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		C	S1	S2
20418D–14–04	M14 × 1.5	5	04	8	1.4	12	17
20418D–16–05	M16 × 1.5	6	05	10	2.1	14	19
20418D–18–06	M18 × 1.5	8	06	12	1.8	17	22
20418D–22–08	M22 × 1.5	11	08	15	3	19	27
20418D–26–10	M26 × 1.5	13	10	18	2.1	27	32
20418D–30–12	M30 × 2	16	12	22	3.8	30	36
20418D–36–16	M36 × 2	22	16	28	4.5	36	41
20418D–45–16W	M45 × 2	22	16	35	4	41	50
20418D–45–20W	M45 × 2	28	20	35	4	41	50
20418D–52–24W	M52 × 2	35	24	42	4	50	60

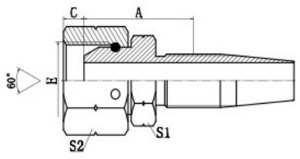


20518D

METRIC FEMALE 24° CONE O–RING H.T

PART NO.	THREAD E	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		C	S1	S2
20518D–16–04	M14 × 1.5	5	04	8	1.8	14	19
20518D–16–05	M16 × 1.5	6	05	8	1.8	14	19
20518D–18–04	M18 × 1.5	5	04	10	1.5	17	22
20518D–18–06	M18 × 1.5	8	06	10	1.5	17	22
20518D–20–06	M20 × 1.5	8	06	12	2.5	17	24
20518D–22–06	M22 × 1.5	8	06	14	3	19	27
20518D–24–08	M24 × 1.5	11	08	16	3	22	30
20518D–30–10	M30 × 2	13	10	20	2.5	27	36
20518D–30–12	M30 × 2	16	12	20	2.5	27	36
20518D–36–12	M36 × 2	16	12	25	3.2	36	41
20518D–36–16	M36 × 2	22	16	25	3.2	36	41
20518D–42–16	M42 × 2	22	16	30	3.9	41	50
20518D–42–20W	M42 × 2	28	20	30	3.9	41	50
20518D–52–20W	M52 × 2	28	20	38	4.5	50	60
20518D–52–24W	M52 × 2	35	24	38	4.5	50	60

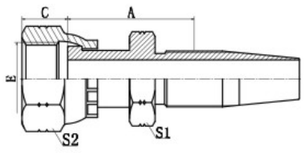


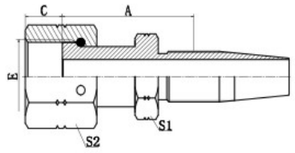


22618D **22618D-W**

BSP FEMALE 60° CONE

PART NO.	THREAD E	HOSE BORE	DIMENSIONS			
		DASH	A	C	S1	S2
22618D-04-04	G1/4"×19	04	26	5.5	14	19
22618D-06-05	G3/8"×19	05	29.1	6.3	17	22
22618D-06-06	G3/8"×19	06	30	6.3	17	22
22618D-08-08	G1/2"×14	08	35	7.5	19	27
22618D-10-10	G5/8"×14	10	35.5	9.5	22	30
22618D-12-12	G3/4"×14	12	38.5	10.9	27	32
22618D-16-16	G1"×11	16	37	11.7	32	41
22618D-20-20W	G1.1/4"×11	20	41.5	11	41	50

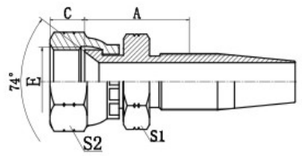


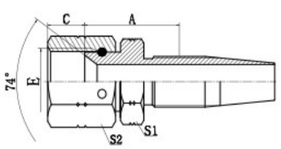


24218D **24218D-W**

ORFS FEMALE FLAT DOUBLE HEX

PART NO.	THREAD E	HOSE BORE	DIMENSIONS		
		DASH	C	S1	S2
24218D-04-04	9/16" × 18	04	8.5	14	19
24218D-04-05	9/16" × 18	05	8.5	14	19
24218D-06-06	11/16" × 16	06	10	17	22
24218D-08-08	13/16" × 16	08	11	19	27
24218D-10-10	1" × 14	10	13.5	24	30
24218D-12-12	1.3/16" × 12	12	15	30	36
24218D-16-16	1.7/16" × 12	16	15	36	41
24218D-20-20W	1.11/16" × 12	20	15	41	50
24218D-24-24W	2" × 12	24	16	50	60

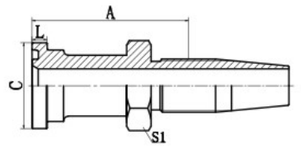




26718D **26718D-W**

JIC FEMALE 74° CONE SEAT
SAE J514

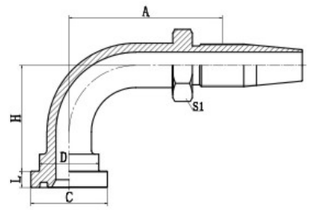
PART NO.	THREAD E	HOSE BORE	DIMENSIONS			
		DASH	A	C	S1	S2
26718D-04-04	7/16" × 20	04	22	9	14	15
26718D-05-05	1/2" × 20	05	25.4	9.5	14	17
26718D-06-06	9/16" × 18	06	24.5	10.5	17	19
26718D-08-08	3/4" × 16	08	31.5	11	22	24
26718D-10-10	7/8" × 14	10	34	13	27	27
26718D-12-12	1.1/16" × 12	12	37	15	32	32
26718D-16-16	1.5/16" × 12	16	33.5	16	38	41
26718D-20-20W	1.5/8" × 12	20	41.5	17	41	50
26718D-24-24W	1.7/8" × 12	24	43	20	46	55
26718D-32-32W	2.1/2" × 12	32	45.5	23.5	65	75



87318D

SAE FLANGE 3000PSI

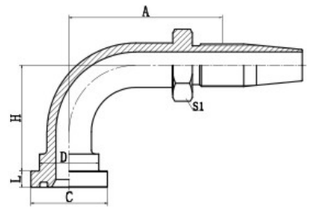
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS		
		DN	DASH	S1	A	C
87318D-08-08	1/2"	11	08	22	54	30.2
87318D-12-12	3/4"	16	12	27	55	38.1
87318D-16-16	1"	22	16	32	55	44.4
87318D-20-20	1.1/4"	28	20	41	58	50.8
87318D-24-24	1.1/2"	35	24	46	70	60.3
87318D-32-32	2"	46	32	60	72	71.4



87398D

90° SAE FLANGE 3000PSI

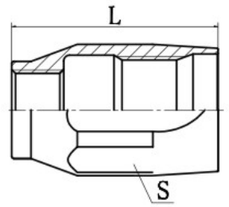
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS					
		DN	DASH	A	C	D	H	L	S1
87398D–08–08	1/2"	12	08	53	30.2	24	47	6.73	27
87398D–12–10	3/4"	16	10	66.5	38.1	32	52.5	6.73	32
87398D–12–12	3/4"	20	12	79.5	38.1	32	62	6.73	32
87398D–16–12	1"	20	12	79.5	44.4	38	62	8	32
87398D–16–16	1"	25	16	86.5	44.4	38	67.5	8	41
87398D–20–16	1.1/4"	25	16	86.5	50.8	43	67.5	8	41
87398D–20–20	1.1/4"	32	20	100.5	50.8	43	78.5	8	50
87398D–24–20	1.1/2"	32	20	100.5	60.3	50	80.5	8	50
87398D–24–24	1.1/2"	40	24	108	60.3	50	94	8	55
87398D–32–24	2"	40	24	108	71.4	62	94	9.53	55
87398D–32–32	2"	50	32	128.8	71.4	62	114.3	9.53	70



87698D

90° SAE FLANGE 6000PSI

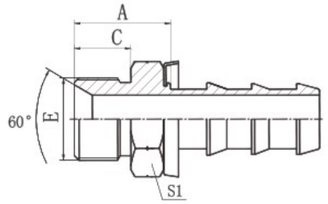
PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS					
		DN	DASH	A	C	D	H	L	S1
87698D–08–08	1/2"	12	08	53	31.7	24	48	7.75	27
87698D–12–10	3/4"	16	10	66.5	41.3	32	56.5	8.76	32
87698D–12–12	3/4"	20	12	79.5	41.3	32	66	8.76	32
87698D–16–12	1"	20	12	79.5	47.6	38	69	9.53	32
87698D–16–16	1"	25	16	86.5	47.6	38	74.5	9.53	41
87698D–20–16	1.1/4"	25	16	86.5	54	44	78.5	10.29	41
87698D–20–20	1.1/4"	32	20	100.5	54	44	89.5	10.29	50
87698D–24–20	1.1/2"	32	20	100.5	63.5	51	94.5	12.57	50
87698D–24–24	1.1/2"	40	24	108	63.5	51	108	12.57	55
87698D–32–24	2"	40	24	108	79.4	67	116	12.57	55
87698D–32–32	2"	50	32	128.8	79.4	67	136.3	12.57	70



00518

SAE 100 R HOSE FERRULE
DETACHABLE FERRULE

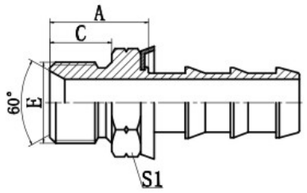
PART NO.	HOSE BORE	DIMENSIONS	
	DASH	L	S
00518–04	04	28	17
00518–05	05	30.5	19
00518–06	06	33	22
00518–08	08	42	24
00518–10	10	45.5	30
00518–12	12	53.5	32
00518–16	16	42	36
00518–20	20	44.5	46
00518–24	24	47	50
00518–32	32	57	65



12610

BSP MALE 60° CONE SEAT

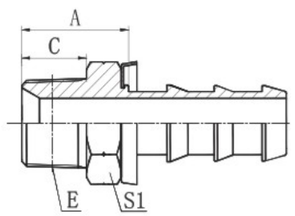
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
12610–04–04	G1/4"X19	6	04	20	12	14
12610–06–06	G3/8"X19	10	06	22	13.5	17
12610–08–08	G1/2"X14	12	08	26.5	16	22
12610–10–10	G5/8"X14	16	10	27.5	17.5	24
12610–12–12	G3/4"X14	20	12	29.9	18.5	27



12610A

BSP MALE 60° CONE SEAT

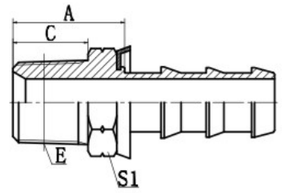
PART NO.	THREAD E	HOSE BORE		DIMENSIONS			
		DN	DASH	A	L	S1	d
12610A–04–04	G1/4"X19	6	04	20	38	19	4.3
12610A–06–06	G3/8"X19	10	06	24	45.5	22	7.5
12610A–08–08	G1/2"X14	12	08	28.5	54	27	9.9
12610A–12–12	G3/4"X14	20	12	32	69.5	32	15.5



13010–SP

BSPT MALE

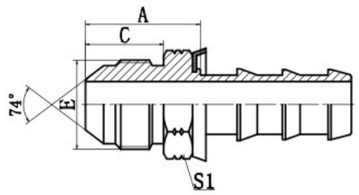
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
13010–02–04SP	R1/8"X28	6	04	17.7	10	12
13010–04–04SP	R1/4"X19	6	04	20.5	14.5	14
13010–04–06SP	R1/4"X19	10	06	22	14.5	17
13010–06–06SP	R3/8"X19	10	06	23.5	15	19
13010–08–08SP	R1/2"X14	12	08	30.5	20	22
13010–12–12SP	R3/4"X14	20	12	29.4	20	27



15610

NPT MALE

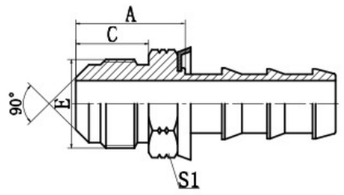
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
15610–02–04	Z1/8"X27	6	04	16.5	10.5	12
15610–04–04	Z1/4"X18	6	04	21.1	15	14
15610–04–06	Z1/4"X18	10	06	22.6	15	14
15610–06–06	Z3/8"X18	10	06	22.6	16	19
15610–06–08	Z3/8"X18	12	08	22.6	16	19
15610–08–08	Z1/2"X14	12	08	29	19.5	22
15610–08–10	Z1/2"X14	16	10	29	19.5	22
15610–12–12	Z3/4"X14	20	12	30.7	19.5	27



16710

JIC MALE 74° CONE

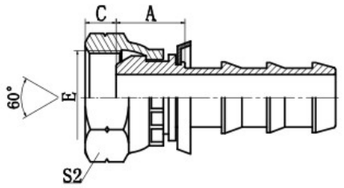
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S1
16710–04–04	7/16"X20	6	04	22	14	12
16710–06–04	9/16"X18	6	04	22	14.1	17
16710–06–06	9/16"X18	10	06	22	14.1	17
16710–08–06	3/4"X16	10	06	27.2	16.7	22
16710–08–08	3/4"X16	12	08	27.2	16.7	22
16710–10–10	7/8"X14	16	10	30	19.3	24
16710–10–12	7/8"X14	20	12	29.4	19.3	24
16710–12–08	1.1/16"X12	12	08	34.5	21.9	27
16710–12–10	1.1/16"X12	16	10	34	21.9	27
16710–12–12	1.1/16"X12	20	12	33.4	21.9	27



17810

SAE MALE 90° CONE

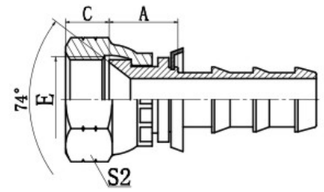
PART NO.	THREAD E	HOSE BORE		DIMENSIONS	
		DN	DASH	A	S1
17810–04–04	7/16"X20	6	04	21	12
17810–06–06	5/8"X18	10	06	24.5	17
17810–08–08	3/4"X16	12	08	29.5	22
17810–10–10	7/8"X14	16	10	32.5	24
17810–12–12	1.1/16"X14	20	12	36.8	30



22610

BSP FEMALE 60° CONE

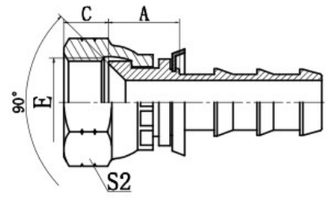
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
22610–04–04	G1/4"X19	6	04	19.5	5.5	19
22610–06–06	G3/8"X19	10	06	21.5	6.3	22
22610–08–08	G1/2"X14	12	08	24.5	7.5	27
22610–12–12	G3/4"X14	20	12	29	10.9	32



26710

JIC FEMALE 74° CONE SEAT

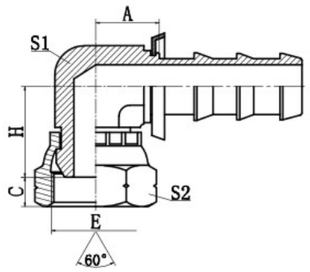
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
26710–04–04	7/16"X20	6	04	12.2	9	15
26710–05–04	1/2"X20	6	04	12.2	9.5	17
26710–06–06	9/16"X18	10	06	12.5	10.5	19
26710–08–06	3/4"X16	10	06	12.5	11	24
26710–08–08	3/4"X16	12	08	14.7	11	24
26710–10–08	7/8"X14	12	08	15.2	13	27
26710–10–10	7/8"X14	16	10	15.7	13	27
26710–12–12	1.1/16"X12	20	12	17.4	15	32
26710–16–16	1.5/16"X12	25	16	18.6	16	41



27810

SAE FEMALE 90° CONE

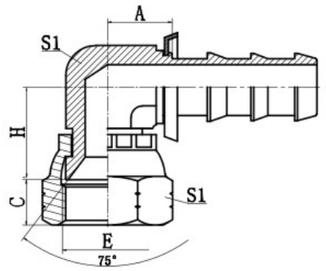
PART NO.	THREAD E	HOSE BORE		DIMENSIONS		
		DN	DASH	A	C	S2
27810–04–04	7/16"X20	6	04	12.2	9	15
27810–05–04	1/2"X20	6	04	13.7	9.5	17
27810–06–04	5/8"X18	6	04	13.7	11.3	22
27810–06–06	5/8"X18	10	06	13.7	11.3	22
27810–08–06	3/4"X16	10	06	14.7	11	24
27810–08–08	3/4"X16	12	08	14.7	11	24
27810–10–08	7/8"X14	12	08	15.2	13	27
27810–12–12	1.1/16"X14	20	12	16.9	14.3	32



22690K

90° BSP COMPACT FEMALE 60° CONE

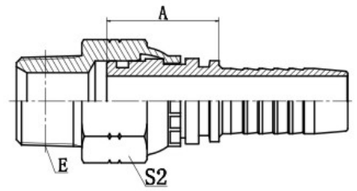
PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
22690K–04–04	G1/4"X19	6	04	12	5.5	18.5	11	19
22690K–06–06	G3/8"X19	10	06	14	6.3	24	14	22
22690K–08–08	G1/2"X14	12	08	17	7.5	26.5	19	27
22690K–12–12	G3/4"X14	20	12	21.5	10.9	33	27	32



26790K

90° JIC FEMALE 74° CONE SEAT

PART NO.	THREAD E	HOSE BORE		DIMENSIONS				
		DN	DASH	A	C	H	S1	S2
26790K–04–04	7/16"X20	6	04	11.7	9	18	11	17
26790K–06–04	9/16"X18	6	04	14.2	10.5	20.5	14	19
26790K–06–06	9/16"X18	10	06	15.5	10.5	21	16	19
26790K–08–06	3/4"X16	10	06	16	11	22.5	16	24
26790K–08–08	3/4"X16	12	08	15.7	11	22.5	19	24
26790K–10–10	7/8"X14	16	10	18.5	12	27.5	22	27
26790K–12–12	1.1/16"X12	20	12	21.5	15	30	27	32



15611SW–S

NPT SHORT ROTARY MALE

PART NO.	THREAD E	HOSE BORE		DIMENSIONS	
		DN	DASH	A	S2
15611SW–04–04S	Z1/4" × 18	6	04	27.9	19
15611SW–06–06S	Z3/8" × 18	10	06	27	22
15611SW–08–08S	Z1/2" × 14	12	08	30.9	27
15611SW–12–12S	Z3/4" × 14	20	12	33.4	32