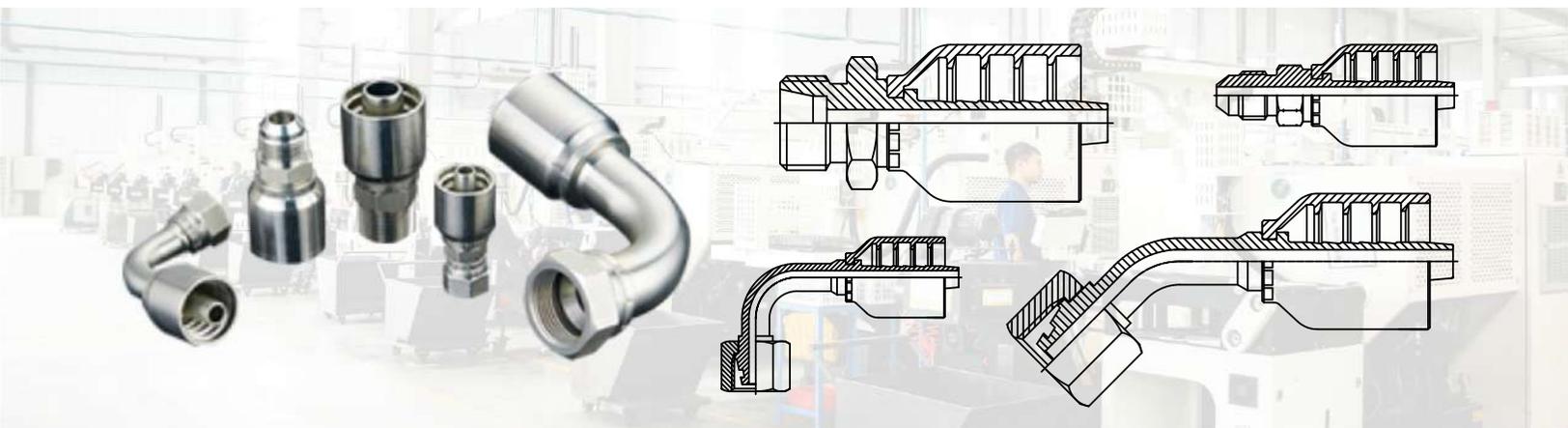


HYDRAULIC HOSE FITTINGS & ADAPTERS



Company profile

Based on the integration of hydraulic system services, Letone continuously expands the upstream and downstream industrial chain. To lead the way of fluid connector R&D innovation, in 2016, Letone has entered the fluid connector sector, enable to provide one-stop hose, fitting, and assembly solutions to the clients.

Letone has comprehensive production, inspection, and assembly machines, such as CNC lathes, deep hole drilling machines, CNC machining centers, punching machines, EDM perforators, EDM wire cutting machines, CNC drilling machines, magnetic polishing machines, CNC metal band saws, efficient and intelligent circular sawing machines, horizontal lathes, vertical drilling machines, high-frequency induction heating equipment, semi-automatic pipe benders, 300mm digital measuring projectors, locknut (sleeve) machines, double-station sealing ring assembly machines, laser marking machines, etc.

Currently, Letone has achieved the automation or semi-automation production, and has conducted in-depth cooperation with the well-known system development company to continuously upgrade the equipment control system, improve production efficiency and processing accuracy, and greatly shorten the production cycle of fluid connectors, quickly meet the needs of clients for small batch, multi-variety, and customized production.

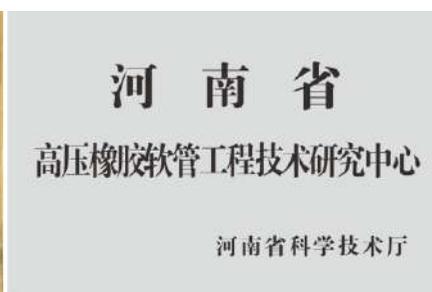
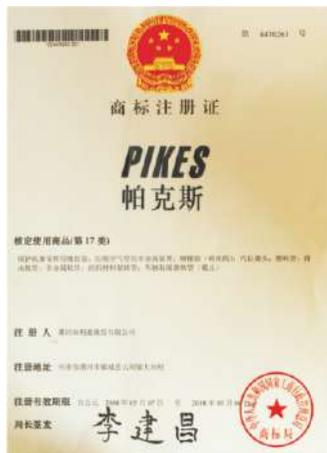
The design and manufacture of Letone products always adhere to the development strategy of "Driving by Innovation, Wining on Quality". Therefore, the fluid connector products of Letone strictly implement and fully comply with the latest international/national standards, such as: ISO12151-6-2009, GB/T9065.5-2010, GB/T9065.1-2015, GB/T9065.3-2020, GB/T9065.2-2010, etc., to provide clients with high-quality fluid connection products.

The 31, 41 and 61 series one-piece connectors developed and designed by Letone matching with Letone Super Artery hose series. The Super Artery hose assembly with Letone self-developed HNBR seals is guaranteed for two years, greatly extended the hose service life, improved the efficiency of on-site operations, and reduced the equipment downtime and maintenance rate.

Letone adheres to the corporate mission of "promoting global intelligent manufacturing", focusing on the R&D and manufacturing of fluid connectors to create differentiated products that meet the needs of end users, and striving to achieve the great vision of "to be the world's leader of the fluid technology industry".



COMPANY HONOR





CNC Lathe Automation Line

The Warehouse



Hose Assembly Workshop



CNC High Speed Circular Saw



CNC Machining Center



Vertical Deep Hole Drilling Machine



Bending Machine



Surface Roughness Profilometer



High Accuracy Concentricity Tester



Salt Spray Test Machine



Coordinate Measuring Machine



Carbon and Sulfur Analyzer



High-Precision Projector



Coating Thickness Gauge



Rockwell & Brinell
Hardness Tester

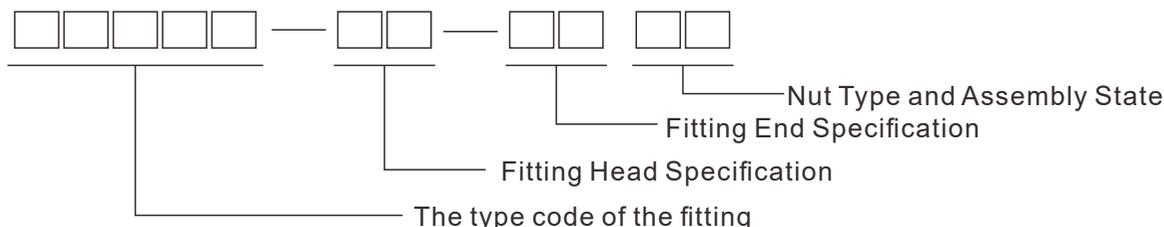


Blasting Test Stand

Product Numbering Rules for Hydraulic Hose Fittings

1、The Rules

Fitting Code Structure:



1.1 The Fitting Type Code Rules:

The Fitting Type Code Rules

The First Number	The Second Number	The Third Number	The Fourth Number	The Fifth Number
Male Thread 1	Metric 0	Meaningless 0		
Movable Nut 2	NPSM Thread 1	Multiseal 1		
Fixed Female Thread 3	BSP Thread 2	Flat Seal 2		
Insert Welding 4	BSPT Thread 3	Flat Seal with O-Ring 3		
	ORFS Thread 4	24° Cone/ Light 4		
	NPT Thread 5	24° Cone/ Heavy 5		
	JIC Thread 6	60° Cone 6		
	SAE Thread 7	74° Cone 7		
	JIS Metric Thread 8	90° Cone 8		
	Japanese BSP Thread 9			
Bite Type Tube Fitting, Type B 5	DIN 0	0		Braided End 1
Bite Type Tube Fitting, Type B 5	GB Metric 1	0		Spiraled End 2
Bite Type Tube Fitting, Type B 5	BSP 2	0		Inner Tube Skive End Mn 3
Plug-in Fitting, Type K 6	MT 0	0	Straight 1	Inner Tube Skive End AQ 4
Plug-in Fitting, Type K 6	SAE 7	0	45° Bent Tube 4	High Pressure Outer Layer Skive 5
Banjo, Type O 7	DIN 0	0	90° Bent Tube 9	SHP End 6&7
Banjo, Type O 7	GB Metric 1	0		Reusable Fitting 8
Banjo, Type O 7	BSP 2	0		
Banjo, Type O 7	GB Iron Fitting with Ferrule 3			
Banjo, Type O 7	DIN Iron Fitting with Ferrule 4			
Flange, Type F 8	SAE 7	3000PSI 3		
Flange, Type F 8	SAE 7	6000PSI 6		
Flange, Type F 8	SAE 7	9000PSI 9		
Flange, Type F 8	JIS 8	Round 1		
Flange, Type F 8	JIS 8	Square 3		
Flange, Type F 8	KES 6	3000PSI 3		
Flange, Type F 8	KES 6	6000PSI 6		

1.2 The Fitting Head Specification

The head specification of the fitting is indicated by the code of the head fitting thread or the size of the joint hose or the flange specification.

1) Metric threads are indicated by the thread size, such as "22" to indicate that the head connection thread is "M22x1.5".

2) The comparison of the size codes of BSP and threads shall be specified in the table below:

Comparison of BSP Size Codes and Threads

Size Code	02	04	06	08	10	12	16	20	24	32
Thread	G1/8"X28	G1/4"x19	G3/8"x19	G1/2"x14	G5/8"x14	G3/4"x14	G1"x11	G1.1/4"x11	G1.1/2"x11	G2"x11

3) The comparison of the size codes of BSPT and threads shall be specified in the table below:

Comparison of BSPT Size Codes and Threads

Size Code	02	04	06	08	12	16	20	24	32
Thread	R1/8"X28	R1/4"x19	R3/8"x19	R1/2"x14	R3/4"x14	R1"x11	R1.1/4"x11	R1.1/2"x11	R2"x11

4) The comparison of the size codes of NPT and threads shall be specified in the table below:

Comparison of NPT Size Codes and Threads

Size Code	02	04	06	08	12	16	20	24	32
Thread	Z1/8"X27	Z1/4"x18	Z3/8"x18	Z1/2"x14	Z3/4"x14	Z1"x11.5	Z1-1/4"x11.5	Z1-1/2"x11.5	Z2"x11.5

5) The comparison of the size codes of JIC and threads shall be specified in the table below:

Comparison of JIC Size Codes and Threads

Size Code	04	06	08	10	12	14	16	20	24	32
Thread	7/16"x20	9/16"x18	3/4"x16	7/8"x14	1.1/16"x12	1.3/16"x12	1.5/16"x12	1.5/8"x12	1.7/8"x12	2.1/2"x12

6) The comparison of the size codes of ORFS and threads shall be specified in the table below:

Comparison of ORFS Size Codes and Threads

Size Code	04	06	08	10	12	16	20	24
Thread	9/16"x18	11/16"x16	13/16"x16	1"x14	1.3/16"x12	1.7/16"x12	1.11/16"x12	2"x12

7) The comparison of the size codes of SAE and threads shall be specified in the table below:

Comparison of SAE Size Codes and Threads

Size Code	04	06	08	10	12
Thread	7/16"x20	5/8"x18	3/4"x16	7/8"x14	1.1/16"x14

8)The comparison of the size codes of NPSM and threads shall be specified in the table below:

Comparison of NPSM Size Codes and Threads

Size Code	02	04	06	08	12	16	20	24	32
Thread	1/8"X27	1/4"x18	3/8"x18	1/2"x14	3/4"x14	1"x11.5	1.1/4"x11.5	1.1/2"x11.5	2"x11.5

9)For metric straight fittings, the size code number directly indicates the outer diameter (in "mm") of the hose, e. g. 50011-10-06.

10)The comparison of the size codes and types of flanges shall be specified in the table below:

Comparison of Flange Size Codes and Types

Size Code	08	12	16	20	24	32
Type	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"

1.3The Fitting End Specification

The fitting end specifications are indicated by the diameter label of the fitting end and the matching hose, as specified in the following table:

Comparison of Fitting End Sizes and Hose Nominal Diameters

Diameter Label	02	03	04	05	06	08	10	12	14	16	20	24	28	32	40
Hose Nominal Diameter(mm)	4	5	6	8	10	12	16	20	22	25	32	40	45	50	64

1.4Nut Type and Assembly State

When the type code of the fitting is 2, "T" is used when the nut is a sleeve nut, "T" is omitted when the nut is a lock nut, and "W" is used when the nut is a wire nut. When nut, sleeve and other accessories are not assembled, add "X" after the code, when all accessories are assembled ready for storage, the "X" after the code will be removed.

e.g. Without Accessories: Sleeve nut 20411-22-06TX; Lock nut 20411-22-10X;

With Accessories: Sleeve nut 20411-22-06T; Lock nut 20411-22-10.

1.5For special requirements of some models, appropriate marks should be added after the fitting model:

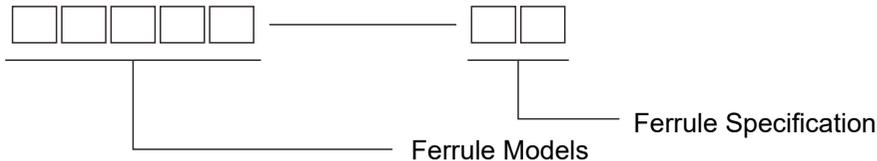
Mark	Meaning
A	Represents the large hexagon, use the bonded seal, such as 126XXA-XX-XX.
C	Indicates that it is the spherical seal matching with the 24° cone, such as 204XXC-XX-XX, 205XXC-XX-XX.
D	Represents hexagonal fitting, such as 226XXD-XX-XX, 267XXD-XX-XX.
F	Indicates that the pitch is non-standard, such as 104XXF-XX-XX, 105XXF-XX-XX. Add "F" after 156XX to indicate that the thread is NPTF thread, such as 15611F-XX-XX.
G	Suitable for pressure gauge, such as 222XXG-XX-XX.
K	Represents a short-bent fitting processed by forging, such as 2269XK-XX-XX.
S	Compatible with the thermoplastic hose, such as 226XXS-XX-XX.
Y	Indicates a one-piece hose fitting, such as 267XXY-XX-XX or 00XXXY-XX.
RW	Indicates a three-piece integrated one-piece hose fitting, such as 267XX-XX-XXRW.
SW	Indicates a rotary hose connector, for example, 156XXSW-XX-XX.
PO	Indicates an insert fitting, for example, 267XX-XX-XXPO.

1.6 For special requirements of some models, appropriate marks should be added after the fitting model:

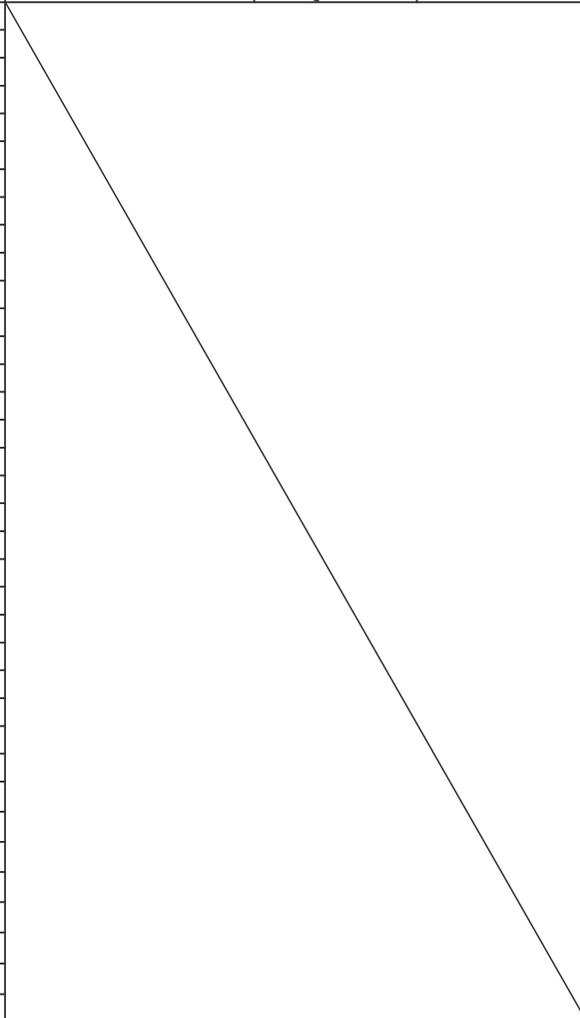
Mark	Meaning
T	Indicates that the movable nut is a sleeve nut, such as 204XX-XX-XXT. When there is no T, it indicates that the movable nut is a locking nut.
W	Indicates that the movable nut is a wire nut, such as 204XX-XX-XXW.
X	Represents a single unassembled fitting (only for fitting with movable nut, adaptor).
SP	Represents an external threaded fitting or a 60° inner cone on the fitting head, such as 13011-XX-XXSP.
Z	Represents that the electroplating is trivalent chromium blue zinc (neutral salt spray test 72 hours), such as 204XX-XX-XXZ.
ZM	Represents that the electroplating is trivalent chromium white zinc (neutral salt spray test 96 hours), such as 1CT-XX-XXSPZm.
ZH	The electroplating is zinc-nickel alloy (neutral salt spray test for 480 hours), such as 1CT-XX-XXSPZm.
BLA	Represents the surface phosphating blackening treatment, such as 1CW-18-12BLA.
空	Represents that the electroplating is hexavalent chrome zinc, such as 1CT-XX-XXSP, 204XX-XX-XX.

2. Product Numbering Rules for Ferrules

1. The Rules:



3、O-Ring

Name	Model	O-Ring Model (Inner Diameter × Cross Section Diameter)	PTFE Ring Model (Outer Diameter × Inner Diameter × Wall Thickness)	Code	U-Shaped Pin
O-Ring for Mining Fittings (DN Series)	DN 6	O06.0*2.0	10.1*6.8*0.8	QD-06	4*4*7.5
	DN 8	O10.0*2.0	14.1*10.8*0.8	QD-08	4*4*12.5
	DN 10	O10.0*2.0	14.1*10.8*0.8	QD-10	4*4*12.5
	DN 12.5	O13.0*2.5	18.1*14*0.8	QD-13	4*4*16.5
	DN 16	O16.0*2.5	21.1*17*0.8	QD-16	4*4*18.5
	DN 19	O19.0*2.5	24.1*20*0.8	QD-19	4*4*21
	DN 25	O25.0*2.5	31.1*27*0.8	QD-25	6*6*28
	DN 32	O33.0*2.5	38.1*34*0.8	QD-32	6*6*35
	DN 31.5G	O33.0*2.5	37.8*33.8*0.8	QG-32	6*12*35
	DN 38	O40.0*3.0	46.8*41.8*1.5	QD-38	6*6*45
	DN 38G	O38.0*3.0	43.8*38.8*1.5	QG-38	6*12*45
	DN 51	O49.0*3.0	55.8*50.8*1.5	QD-51	6*6*55
DN 51G	O44.0*3.0	49.8*44.8*1.5	QG-51	6*12*55	
O-Ring for Mining Fittings (KJ Series)	KJ 6	O11.0*1.9	11*8*1.25	QK-06	3.5*3.5*7
	KJ 8	O13.0*1.9	13*10*1.25	QK-08	3.5*3.5*10
	KJ 10	O15.0*2.4	15*11*1.25	QK-10	3.5*3.5*10
	KJ 12.5	O18.0*2.4	18*14*1.25	QK-13	3.5*3.5*14
	KJ 19	O20.0*2.4	20*16*1.25	QK-16	4.5*4.5*15
	KJ 25	O24.0*2.4	24*20*1.25	QK-19	4.5*4.5*18
	KJ 32	O30.0*3.1	30*25*1.25	QK-25	4.5*4.5*24
	KJ 31.5G	O38.0*3.55	38*32*1.25	QG-32	8*8*34
DIN 24° Cone Light Series O-Ring	M12X1.5	O04.5*1.5			
	M14X1.5	O06.5*1.5			
	M16X1.5	O08.0*1.5			
	M18X1.5	O10.0*1.5			
	M22X1.5	O12.0*2.0			
	M26X1.5	O15.0*2.0			
	M27X1.5	O15.0*2.0			
	M30X2	O19.0*2.0			
	M36X2	O25.0*2.0			
	M45X2	O32.0*2.5			
	M52X2	O38.0*2.5			
DIN 24° Cone Heavy Series O-Ring	M14X1.5	O04.5*1.5			
	M16X1.5	O06.5*1.5			
	M18X1.5	O08.0*1.5			
	M20X1.5	O10.0*1.5			
	M22X1.5	O11.0*2.0			
	M24X1.5	O13.0*2.0			
	M30X2	O16.3*2.4			
	M36X2	O20.3*2.4			
	M42X2	O25.3*2.4			
	M52X2	O33.3*2.4			
O-Ring for ORFS Male Flat Seat	9/16"X18UNF	O7.65*1.78			
	11/16"X16UN	O9.25*1.78			
	13/16"X16UN	O12.42*1.78			
	1"X14UNSF	O15.6*1.78			
	1.3/16"X12UN	O18.77*1.78			
	1.7/16"X12UN	O23.52*1.78			
	1.11/16"X12UN	O29.87*1.78			
	2"X12UN	O37.82*1.78			
O-Ring for ISO 6162 Flange	1/2"	O18.64*3.53			
	3/4"	O24.99*3.53			
	1"	O32.92*3.53			
	1.1/4"	O37.69*3.53			
	1.1/2"	O47.22*3.53			
	2"	O56.74*3.53			
	2.1/2"	O69.44*3.53			

4. Torque References

24° Cone Metric Rotary Nut

Thread	Hose O.D.	N.m	
		Torque Value	Min-Max
M12X1.5	06L	16	15-17
M14X1.5	08L	16	15-17
M16X1.5	10L	26	25-28
M18X1.5	12L	37	35-39
M22X1.5	15L	47	45-50
M26X1.5	18L	89	85-94
M30X2	22L	116	110-121
M36X2	28L	137	130-143
M45X2	35L	226	215-237
M52X2	42L	347	330-363
M14X1.5	06S	26	25-28
M16X1.5	08S	42	40-44
M18X1.5	10S	53	50-55
M20X1.5	12S	63	60-66
M22X1.5	14S	79	75-83
M24X1.5	16S	84	80-88
M30X2	20S	126	120-132
M36X2	25S	179	170-187
M42X2	30S	263	250-275
M52X2	38S	368	350-385

JIC Thread		BSP Thread		ORFS Thread	
Thread	N.m	Thread	N.m	Thread	N.m
7/16"X20	13-15	G1/8"X28	9-12	9/16"X18	14-16
1/2"X20	18-20	G1/4"X19	15-24	11/16"X16	24-27
9/16"X18	23-26	G3/8"X19	26-38	13/16"X16	43-54
3/4"X16	47-52	G1/2"X14	41-49	1"X14	60-75
7/8"X14	69-76	G5/8"X14	50-60	1.3/16"X12	90-110
1.1/16"X12	96-106	G3/4"X14	68-81	1.7/16"X12	125-140
1.3/16"X12	108-125	G1"X14	107-129	1.11/16"X12	170-190
1.5/16"X12	127-141	G1 1/4"X11	172-206	2"X12	200-245
1.5/8"X12	169-188	G1 1/2"X11	226-258		
1.7/8"X12	212-235	G2"X11	388-426		
2.1/2"X12	296-329				

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20411-TRW Metric Female 24° Cone O-Ring Light Series	02
20441-TRW 45° Metric Female 24° Cone O-Ring Light Series	03
20491-TRW 90° Metric Female 24° Cone O-Ring Light Series	03
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20591-TRW 90° Metric Female 24° Cone O-Ring Heavy Series	05

60° Cone Seat Fittings

10611-RW Metric Male 60° Cone Seat	06
20611D-RW Metric Female 60° Cone Double Hexagon	06
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20691-RW 90° Metric Female 60° Cone Seat	08
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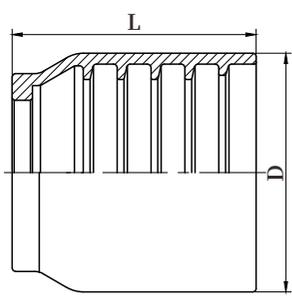
DN/KJ Staple-Lock Quick Hose Fitting

DN/KJ Staple-Lock Quick Hose Fitting	38
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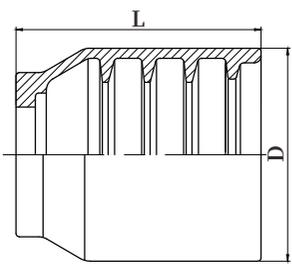
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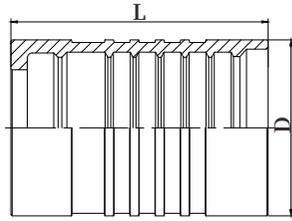
31 Series One Piece Ferrule for 1 & 2 Layers Wire Braid Hose

	PART NO.	HOSE BORE		DIMENSIONS	
		DN	DASH	L	D
	03310Y-04	6	4	29	23.3
	03310Y-05	8	5	29.5	25
	03310Y-06	10	6	30	28
	03310Y-08	13	8	32	31.4
	03310Y-10	16	10	36	35
	03310Y-12	19	12	41	39
	03310Y-16	25	16	48	48.5
	03310Y-20	32	20	56.8	60.5
	03310Y-24	38	24	70	69
	03310Y-32	51	32	72.5	82.5

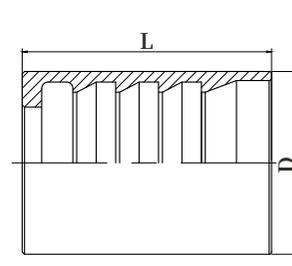
41 Series One Piece Ferrule for 4 Layers Wire Spiral Hose

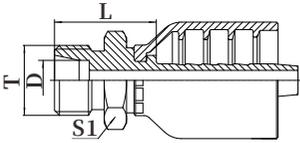
	PART NO.	HOSE BORE		DIMENSIONS	
		DN	DASH	L	D
	00410Y-06	10	6	38	32.8
	00410Y-08	13	8	40	36.4
	00410Y-10	16	10	42	41
	00410Y-12	19	12	48	45
	00410Y-16	25	16	58	55.8
	00410Y-20(AQ)	32	20	87	62.4
	00410Y-24(AQ)	38	24	95	71.7
	00410Y-32(AQ)	51	32	97.1	86.1

61 Series Two Pieces Ferrule for 6 Layers Wire Spiral Hose

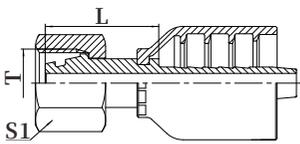
	PART NO.	HOSE BORE		DIMENSIONS	
		DN	DASH	L	D
	00621-12	19	12	53	39.5
	00621-16	25	16	66	48.5
	00621-20	32	20	88	60
	00621-24	38	24	102	69.3
	00621-32	51	32	106	84.5

Textile Hose Ferrule Two Pieces Ferrule for Textile Hose

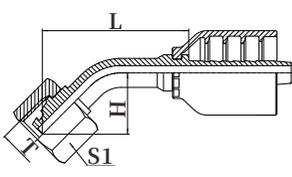
	PART NO.	HOSE BORE		DIMENSIONS	
		DN	DASH	L	D
	00110-04	6	4	30	20.6
	00110-05	8	5	31	20.8
	00110-06	10	6	32	23.3
	00110-08	13	8	34	27
	00110-10	16	10	37	32
	00110-12	19	12	43	34
	00110-16	25	16	50	42.6
	00110-20	32	20	59	52
	00110-24	38	24	74	58
	00110-32	51	32	78	72

10411-RW Metric Male 24° Cone Seat Light Series


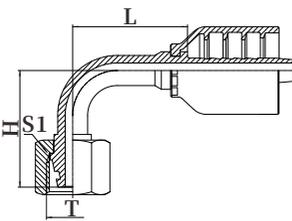
PART NO.	THREAD T	HOSE BORE		TUBE O.D	DIMENSIONS		
		DN	DASH		L	D	S1
10411-12-04RW	M12X1.5	6	4	6	20.5	6	14
10411-14-04RW	M14X1.5	6	4	8	20.5	8	17
10411-14-05RW	M14X1.5	8	5	8	21.5	8	17
10411-16-04RW	M16X1.5	6	4	10	22.5	10	17
10411-16-05RW	M16X1.5	8	5	10	22.5	10	17
10411-16-06RW	M16X1.5	10	6	10	23.5	10	17
10411-18-05RW	M18X1.5	8	5	12	23.5	12	19
10411-18-06RW	M18X1.5	10	6	12	23.5	12	19
10411-22-06RW	M22X1.5	10	6	15	24.5	15	24
10411-22-08RW	M22X1.5	13	8	15	25	15	24
10411-26-08RW	M26X1.5	13	8	18	26.5	18	27
10411-26-10RW	M26X1.5	16	10	18	27	18	27
10411-30-10RW	M30X2	16	10	22	30	22	32
10411-30-12RW	M30X2	19	12	22	30	22	32
10411-36-16RW	M36X2	25	16	28	33	28	41
10411-45-20RW	M45X2	32	20	35	38	35	46
10411-52-24RW	M52X2	38	24	42	38.5	42	55

20411-TRW Metric Female 24° Cone O-Ring Light Series


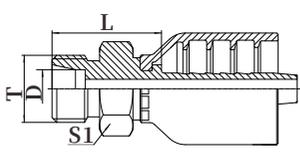
PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
		DN	DASH	L	S1
20411-12-04WRW	M12X1.5	6	4	22	17
20411-14-04TRW	M14X1.5	6	4	23.5	17
20411-16-04TRW	M16X1.5	6	4	20.5	19
20411-16-05TRW	M16X1.5	8	5	25.5	19
20411-16-06WRW	M16X1.5	10	6	23.5	19
20411-18-05TRW	M18X1.5	8	5	23.5	22
20411-18-06TRW	M18X1.5	10	6	26.5	22
20411-18-08WRW	M18X1.5	13	8	25	22
20411-22-08TRW	M22X1.5	13	8	28.5	27
20411-22-10WRW	M22X1.5	16	10	26.5	27
20411-26-08TRW	M26X1.5	13	8	30	32
20411-26-12WRW	M26X1.5	19	12	29.5	32
20411-26-10TRW	M26X1.5	16	10	32	32
20411-30-10TRW	M30X2	16	10	32.5	36
20411-30-12TRW	M30X2	19	12	33.5	36
20411-36-12TRW	M36X2	19	12	35	41
20411-36-16TRW	M36X2	25	16	36	41
20411-45-16TRW	M45X2	25	16	34	50
20411-45-20TRW	M45X2	32	20	35	50
20411-52-20TRW	M52X2	32	20	38	60
20411-52-24TRW	M52X2	38	20	38	60

20441-TRW 45°Metric Female 24° Cone O-Ring Light Series


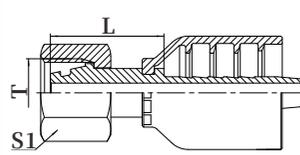
PART NO.	THREAD T	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		L	H	S1
20441-14-04TRW	M14X1.5	6	04	8	39.8	16	17
20441-16-04TRW	M16X1.5	6	04	10	40.7	17	19
20441-16-05TRW	M16X1.5	8	05	10	40.7	17	19
20441-18-05TRW	M18X1.5	8	05	12	42.2	18.0	22
20441-18-06TRW	M18X1.5	10	06	12	42.2	18.0	22
20441-22-08TRW	M22X1.5	13	08	15	50.8	19.5	27
20441-26-08TRW	M26X1.5	13	08	18	62.7	25.0	32
20441-26-10TRW	M26X1.5	16	10	18	62.7	25.0	32
20441-26-10T(H28.8)RW	M26X1.5	16	10	18	62.7	28.8	32
20441-30-10TRW	M30X2	16	10	22	68.2	26.0	36
20441-30-12TRW	M30X2	19	12	22	68.2	26.0	36
20441-36-12TRW	M36X2	19	12	28	81.4	31	41
20441-36-16TRW	M36X2	25	16	28	81.4	31	41
20411-45-16TRW	M45X2	25	16	35	94.5	34	50
20411-45-20TRW	M45X2	32	20	35	94.5	34	50
20441-52-20TRW	M52X2	32	20	42	110.0	41.0	60
20441-52-24TRW	M52X2	38	24	42	110.0	41.0	60

20491-TRW 90°Metric Female 24° Cone O-Ring Light Series


PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
20491-12-04WRW	M12X1.5	6	04	32	34.0	17
20491-14-04TRW	M14X1.5	6	04	32	30.5	17
20491-16-04TRW	M16X1.5	6	04	32.5	33	19
20491-16-05TRW	M16X1.5	8	05	32.5	33	19
20491-16-06WRW	M16X1.5	10	06	36.5	40	19
20491-18-05TRW	M18X1.5	8	05	36.5	36	22
20491-18-06TRW	M18X1.5	10	06	36.5	36	22
20491-22-08TRW	M22X1.5	13	08	44.5	40.5	27
20491-22-10WRW	M22X1.5	16	10	55.0	52.5	27
20491-26-08TRW	M26X1.5	13	08	55	51.5	32
20491-26-10TRW	M26X1.5	16	10	55	51.5	32
20491-26-10T(H56.5)RW	M26X1.5	16	10	55	56.5	32
20491-30-10TRW	M30X2	16	10	56	56	36
20491-30-12TRW	M30X2	19	12	56	56	36
20491-36-12TRW	M36X2	19	12	74	68.5	41
20491-36-16TRW	M36X2	25	16	74	68.5	41
20491-45-16TRW	M45X2	25	16	91.5	78.5	50
20491-45-20TRW	M45X2	32	20	91.5	78.5	50
20491-52-20TRW	M52X2	32	20	108	95	60
20491-52-24TRW	M52X2	38	24	108	95	60

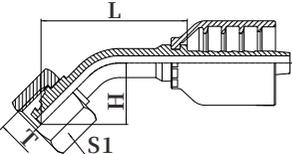
10511-RW Metric Male 24° Cone Seat Heavy Series


PART NO.	THREAD T	HOSE BORE		TUBE O.D.	DIMENSIONS		
		DN	DASH		L	D	S1
10511-14-04RW	M14X1.5	6	04	6	24	6	14
10511-16-04RW	M16X1.5	6	04	8	26.5	8	17
10511-18-04RW	M18X1.5	6	04	10	26.5	10	19
10511-18-06RW	M18X1.5	10	06	10	27	10	19
10511-20-05RW	M20X1.5	8	05	12	28	12	22
10511-20-06RW	M20X1.5	10	06	12	28	12	22
10511-22-06RW	M22X1.5	10	06	14	28.5	14	24
10511-24-08RW	M24X1.5	13	08	16	32	16	27
10511-30-10RW	M30X2	16	10	20	36	20	32
10511-30-12RW	M30X2	19	12	20	36	20	32
10511-36-12RW	M36X2	19	12	25	40	25	41
10511-36-16RW	M36X2	25	16	25	41	25	41
10511-42-16RW	M42X2	25	16	30	43	30	46
10511-52-20RW	M52X2	32	20	38	48	38	55

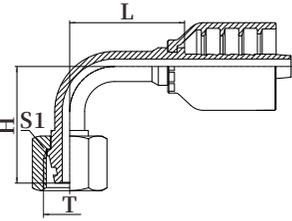
20511-TRW Metric Female 24° Cone O-Ring Heavy Series


PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
		DN	DASH	L	S1
20511-16-04TRW	M16X1.5	6	04	24	19
20511-16-05TRW	M16X1.5	8	05	24	19
20511-18-04TRW	M18X1.5	6	04	25	22
20511-18-05TRW	M18X1.5	8	05	25	22
20511-18-06TRW	M18X1.5	10	06	25	22
20511-20-05TRW	M20X1.5	8	05	25.5	24
20511-20-06TRW	M20X1.5	10	06	25.5	24
20511-20-08WRW	M20X1.5	13	08	25.0	24
20511-22-06TRW	M22X1.5	10	06	25.5	27
20511-24-08TRW	M24X1.5	13	08	30	30
20511-30-10TRW	M30X2	16	10	34	36
20511-30-12TRW	M30X2	19	12	35	36
20511-36-12TRW	M36X2	19	12	32	46
20511-36-16TRW	M36X2	25	16	35.5	46
20511-42-16TRW	M42X2	25	16	36	50
20511-42-20WRW	M42X2	32	20	35	50
20511-52-20TRW	M52X2	32	20	36	60

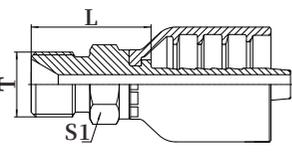
20541-TRW 45°Metric Female 24° Cone O-Ring Heavy Series

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	H	S1
	20541-16-04TRW	M16X1.5	6	04	40.8	17	19
	20541-18-04TRW	M18X1.5	6	04	40.8	17	22
	20541-18-05TRW	M18X1.5	8	05	41.7	18	22
	20541-18-06TRW	M18X1.5	10	06	44.5	18.5	22
	20541-20-05TRW	M20X1.5	8	05	44.5	18.5	24
	20541-20-06TRW	M20X1.5	10	06	44.5	18.5	24
	20541-22-06TRW	M22X1.5	10	06	48.9	22.9	27
	20541-24-08TRW	M24X1.5	13	08	52.3	21	30
	20541-30-10TRW	M30X2	16	10	64.2	25	36
	20541-30-12TRW	M30X2	19	12	73.2	30.5	36
	20541-36-12TRW	M36X2	19	12	73.2	30.5	46
	20541-36-16TRW	M36X2	25	16	84.9	35.5	46
	20541-42-16TRW	M42X2	25	16	84.9	35.5	50
	20541-52-20TRW	M52X2	32	20	102.7	42	60

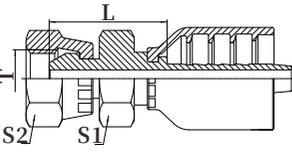
20591-TRW 90°Metric Female 24° Cone O-Ring Heavy Series

	PART NO.	THREAD T	HOSE BORE		TUBE O.D.	DIMENSIONS		
			DN	DASH		L	H	S1
	20591-16-04TRW	M16X1.5	6	04	8	32	32	19
	20591-18-04TRW	M18X1.5	6	04	10	32	32	22
	20591-18-05TRW	M18X1.5	8	05	10	32.5	34	22
	20591-18-06TRW	M18X1.5	10	06	10	36.5	35.5	22
	20591-20-05TRW	M20X1.5	8	05	12	32.5	34	24
	20591-20-06TRW	M20X1.5	10	06	12	36.5	35.5	24
	20591-22-06TRW	M22X1.5	10	06	14	36.5	43	27
	20591-24-08TRW	M24X1.5	13	08	16	44.5	43	30
	20591-30-10TRW	M30X2	16	10	20	55	49.5	36
	20591-30-12TRW	M30X2	19	12	20	62	59	36
	20591-36-12TRW	M36X2	19	12	25	62	59	46
	20591-36-16TRW	M36X2	25	16	25	74	70	46
	20591-42-16TRW	M42X2	25	16	30	74	70	50
	20591-52-20TRW	M52X2	32	20	38	91.5	87	60

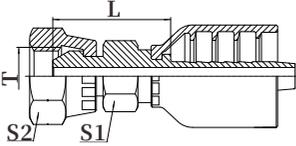
10611-RW Metric Male 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	10611-14-04RW	M14X1.5	6	04	23	19
	10611-14-06RW	M14X1.5	10	06	22.5	19
	10611-16-04RW	M16X1.5	6	04	26	22
	10611-16-05RW	M16X1.5	8	05	26	22
	10611-18-06RW	M18X1.5	10	06	25.5	24
	10611-22-06RW	M22X1.5	10	06	29.5	27
	10611-22-08RW	M22X1.5	12	08	30.5	27
	10611-24-10RW	M24X1.5	16	10	31	30
	10611-26-10RW	M26X1.5	16	10	34	32
	10611-30-12RW	M30X2	20	12	35	36
	10611-33-16RW	M33X2	25	16	42.2	46
	10611-42-20RW	M42X2	32	20	44.2	50
	10611-45-20RW	M45X2	32	20	44.2	55
	10611-48-24RW	M48X2	40	24	45	55
	10611-52-24RW	M52X2	40	24	45	60

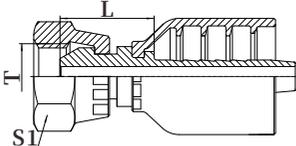
20611D-RW Metric Female 60° Cone Double Hexagon

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	S1	S2
	20611D-14-04RW	M14X1.5	6	04	23.5	19	19
	20611D-14-06RW	M14X1.5	10	06	23.5	19	19
	20611D-16-04RW	M16X1.5	6	04	26.5	22	22
	20611D-16-05RW	M16X1.5	8	05	26.5	22	22
	20611D-18-06RW	M18X1.5	10	06	31.0	24	24
	20611D-22-06RW	M22X1.5	10	06	31.0	27	27
	20611D-22-08RW	M22X1.5	12	08	31.0	27	27
	20611D-26-10RW	M26X1.5	16	10	32.0	32	32
	20611D-30-12RW	M30X2	20	12	34.0	36	36
	20611D-36-16RW	M36X2	25	16	36.0	41	41

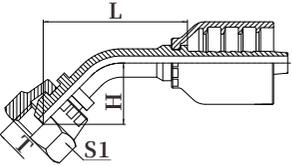
20611D-SMRW Metric Female 60° Cone Double Hexagon

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	S1	S2
		20611D-14-04SMRW	M14X1.5	6	04	23.5	17
	20611D-14-06SMRW	M14X1.5	10	06	23.5	17	19
	20611D-16-04SMRW	M16X1.5	6	04	26.5	19	22
	20611D-16-05SMRW	M16X1.5	8	05	26.5	19	22
	20611D-18-06SMRW	M18X1.5	10	06	31.0	22	24
	20611D-22-06SMRW	M22X1.5	10	06	31.0	24	27
	20611D-22-08SMRW	M22X1.5	12	08	31.0	24	27
	20611D-26-10SMRW	M26X1.5	16	10	32.0	27	32
	20611D-30-12SMRW	M30X2	20	12	34.0	32	36
	20611D-36-16SMRW	M36X2	25	16	36.0	36	41

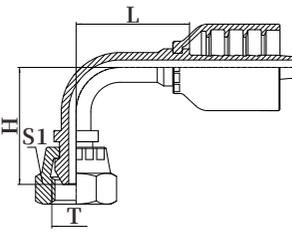
20611-RW Metric Female 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
		20611-14-04RW	M14X1.5	6	04	19
	20611-16-04RW	M16X1.5	6	04	19	22
	20611-16-05RW	M16X1.5	8	05	19	22
	20611-18-05RW	M18X1.5	8	05	19	24
	20611-18-06RW	M18X1.5	10	06	19	24
	20611-22-06RW	M22X1.5	10	06	20	27
	20611-22-08RW	M22X1.5	13	08	20	27
	20611-26-08RW	M26X1.5	13	08	24	30
	20611-26-10RW	M26X1.5	16	10	24	32
	20611-30-10RW	M30X2	16	10	24	36
	20611-30-12RW	M30X2	19	12	24	36
	20611-36-12RW	M36X2	19	12	26	41
	20611-36-16RW	M36X2	25	16	26	41

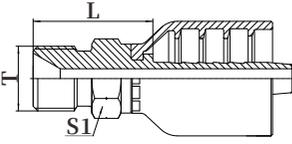
20641-RW 45°Metric Female 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	H	S1
	20641-14-04RW	M14X1.5	6	04	38.8	15	19
	20641-16-05RW	M16X1.5	8	05	44	18	22
	20641-18-06RW	M18X1.5	10	06	44	18	22
	20641-22-06RW	M22X1.5	10	06	51.3	20	22
	20641-22-08RW	M22X1.5	13	08	51.3	20	27
	20641-26-08RW	M26X1.5	13	08	64.2	25	30
	20641-26-10RW	M26X1.5	16	10	64.2	25	30
	20641-30-10RW	M30X2	16	10	71.7	29	32
	20641-30-12RW	M30X2	19	12	71.7	29	32
	20641-36-16RW	M36X2	25	16	84.4	35	41

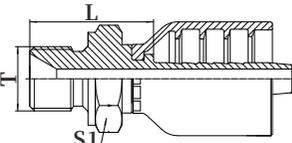
20691-RW 90°Metric Female 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	H	S1
	20691-14-04RW	M14X1.5	6	04	32	28	19
	20691-16-04RW	M16X1.5	6	04	32.5	34.0	22
	20691-16-05RW	M16X1.5	8	05	32.5	34.0	22
	20691-18-05RW	M18X1.5	8	05	37	34	24
	20691-18-06RW	M18X1.5	10	06	37	34	24
	20691-22-06RW	M22X1.5	10	06	44.5	41	27
	20691-22-08RW	M22X1.5	13	08	44.5	41	27
	20691-26-08RW	M26X1.5	13	08	55.0	51	30
	20691-26-10RW	M26X1.5	16	10	55.0	51	32
	20691-30-10RW	M30X2	16	10	62	58	36
	20691-30-12RW	M30X2	19	12	62	58	36
	20691-36-12RW	M36X2	19	12	74	70	41
	20691-36-16RW	M36X2	25	16	74	70	41

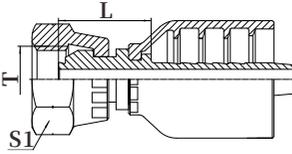
12611-RW BSP Male 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	12611-04-04RW	G1/4"X19	6	04	24.5	14
	12611-06-05RW	G3/8"X19	8	05	27.5	17
	12611-06-06RW	G3/8"X19	10	06	27.5	17
	12611-06-08RW	G3/8"X19	13	08	26.5	19
	12611-08-06RW	G1/2"X14	10	06	30.5	22
	12611-08-08RW	G1/2"X14	13	08	31	22
	12611-10-08RW	G5/8"X14	13	08	32.5	24
	12611-10-10RW	G5/8"X14	16	10	33.5	24
	12611-12-08RW	G3/4"X14	13	08	35.5	27
	12611-12-10RW	G3/4"X14	16	10	36.5	27
	12611-12-12RW	G3/4"X14	19	12	36.5	27
	12611-16-12RW	G1"X11	19	12	39.5	36
	12611-16-16RW	G1"X11	25	16	41.5	36
	12611-20-16RW	G1.1/4"X11	25	16	43.5	46
	12611-20-20RW	G1.1/4"X11	32	20	44.5	46
	12611-24-20RW	G1.1/2"X11	32	20	46	50
	12611-24-24RW	G1.1/2"X11	38	24	46	50
12611-32-32RW	G2"X11	51	32	53.5	65	

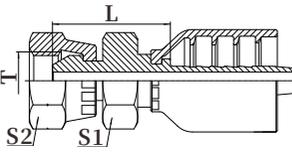
12611A-RW BSP Male 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	12611A-04-04RW	G1/4"X19	6	04	25.5	19
	12611A-06-05RW	G3/8"X19	8	05	27.5	22
	12611A-06-06RW	G3/8"X19	10	06	26	22
	12611A-06-08RW	G3/8"X19	13	08	28	22
	12611A-08-06RW	G1/2"X14	10	06	32	27
	12611A-08-08RW	G1/2"X14	13	08	33	27
	12611A-08-10RW	G1/2"X14	16	10	34	27
	12611A-10-08RW	G5/8"X14	13	08	36	30
	12611A-10-10RW	G5/8"X14	16	10	37	30
	12611A-12-08RW	G3/4"X14	13	08	35	32
	12611A-12-10RW	G3/4"X14	16	10	36	32
	12611A-12-12RW	G3/4"X14	19	12	37	32
	12611A-16-12RW	G1"X11	19	12	39	41
	12611A-16-16RW	G1"X11	25	16	42	41
	12611A-20-16RW	G1.1/4"X11	25	16	45	50
	12611A-20-20RW	G1.1/4"X11	32	20	45	50
	12611A-24-20RW	G1.1/2"X11	32	20	49	55
12611A-24-24RW	G1.1/2"X11	38	24	49	55	
12611A-32-32RW	G2"X11	51	32	54.5	70	

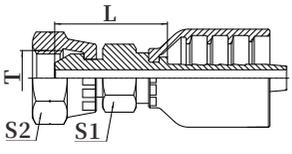
22611-ORRW BSP Female 60° Cone with O-Ring

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
				22611-02-04ORRW	G1/8 " X28	6
	22611-04-04ORRW	G1/4 " X19	6	04	19	19
	22611-04-05ORRW	G1/4 " X19	8	05	19	19
	22611-04-06ORRW	G1/4 " X19	10	06	19	19
	22611-06-04ORRW	G3/8 " X19	6	04	18	22
	22611-06-05ORRW	G3/8 " X19	8	05	19	22
	22611-06-06ORRW	G3/8 " X19	10	06	19.5	22
	22611-06-08ORRW	G3/8 " X19	13	08	20	22
	22611-08-06ORRW	G1/2 " X14	10	06	21	27
	22611-08-08ORRW	G1/2 " X14	13	08	21.5	27
	22611-10-08ORRW	G5/8 " X14	13	08	21.5	30
	22611-10-10ORRW	G5/8 " X14	16	10	23	30
	22611-12-10ORRW	G3/4 " X14	16	10	23	32
	22611-12-12ORRW	G3/4 " X14	19	12	24	32
	22611-16-12ORRW	G1 " X11	19	12	25	41
	22611-16-16ORRW	G1 " X11	25	16	27	41
	22611-20-16ORRW	G1.1/4 " X11	25	16	28.5	50
	22611-20-20ORRW	G1.1/4 " X11	32	20	30.5	50
	22611-24-20ORRW	G1.1/2 " X11	32	20	32	55
	22611-24-24ORRW	G1.1/2 " X11	38	24	31.5	55
	22611-32-24ORRW	G2 " X11	38	24	33.5	70
	22611-32-32ORRW	G2 " X11	51	32	34	70

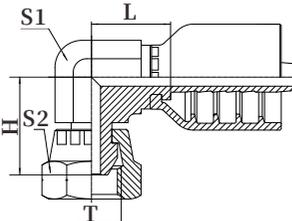
22611D-RW BSP Female 60° Cone Double Hexagon

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	S1	S2
				22611D-04-04RW	G1/4 " X19	6	04
	22611D-06-06RW	G3/8 " X19	10	06	26.5	22	22
	22611D-08-08RW	G1/2 " X14	13	08	31	27	27
	22611D-10-08RW	G5/8 " X14	13	08	32	30	30
	22611D-12-08RW	G3/4 " X14	13	08	33	32	32
	22611D-12-12RW	G3/4 " X14	19	12	34	32	32
	22611D-16-16RW	G1 " X11	25	16	35.5	41	41
	22611D-20-20RW	G1.1/4 " X11	32	20	43.5	50	50

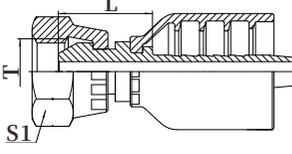
22611D-SMRW BSP Female 60° Cone Double Hexagon

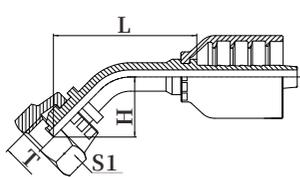
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	S1	S2
			22611D-04-04SMRW	G1/4" X19	6	04	23
22611D-06-06SMRW	G3/8" X19	10	06	25	17	22	
22611D-08-08SMRW	G1/2" X14	13	08	28.5	22	27	
22611D-10-08SMRW	G5/8" X14	13	08	30	22	30	
22611D-12-08SMRW	G3/4" X14	13	08	31.5	27	32	
22611D-12-12SMRW	G3/4" X14	19	12	32.5	27	32	
22611D-16-16SMRW	G1" X11	25	16	36.3	32	41	
22611D-20-20SMRW	G1.1/4" X11	32	20	41.5	41	50	

22691K-RW 90° BSP Compact Female 60° Cone

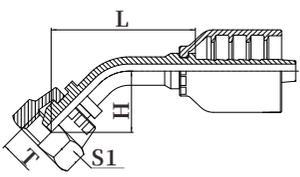
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	S1	S2
			22691K-04-04RW	G1/4" X19	6	04	17.5	22
22691K-06-04RW	G3/8" X19	6	04	20	24	16	22	
22691K-06-05RW	G3/8" X19	8	05	20	24	16	22	
22691K-06-06RW	G3/8" X19	10	06	20	24	16	22	
22691K-08-06RW	G1/2" X14	10	06	23	26.5	19	27	
22691K-08-08RW	G1/2" X14	13	08	23.5	28.5	19	27	
22691K-10-10RW	G5/8" X14	16	10	25	29.5	22	30	
22691K-12-12RW	G3/4" X14	19	12	27.5	33	27	32	
22691K-16-16RW	G1" X11	25	16	32.5	38.1	33	41	

22611-RW BSP Female 60° Cone

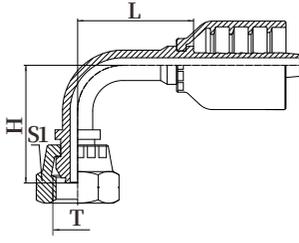
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
			22611-02-04RW	G1/8" X28	6	04
22611-04-04RW	G1/4" X19	6	04	19	19	
22611-04-05RW	G1/4" X19	8	05	19	19	
22611-04-06RW	G1/4" X19	10	06	19	19	
22611-06-04RW	G3/8" X19	6	04	19.5	22	
22611-06-05RW	G3/8" X19	8	05	19	22	
22611-06-06RW	G3/8" X19	10	06	19.5	22	
22611-06-08RW	G3/8" X19	13	08	20	22	
22611-08-08RW	G1/2" X14	13	08	21.5	27	
22611-10-08RW	G5/8" X14	13	08	22.5	30	
22611-10-10RW	G5/8" X14	16	10	23	30	
22611-12-10RW	G3/4" X14	16	10	24	32	
22611-12-12RW	G3/4" X14	19	12	24	32	
22611-16-14RW	G1" X11	22	14	26	41	
22611-16-16RW	G1" X11	25	16	26	41	
22611-20-20RW	G1.1/4" X11	32	20	31.5	50	
22611-24-24RW	G1.1/2" X11	38	24	31.5	55	
22611-32-32RW	G2" X11	51	32	34	70	

22641-ORRW 45°BSP Female 60°Cone with O-Ring


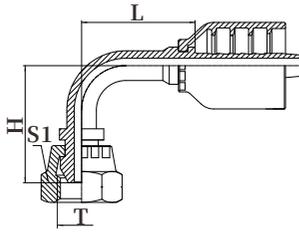
PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
22641-02-04ORRW	G1/8 "X28	6	04	38.8	15	14
22641-04-04ORRW	G1/4 "X19	6	04	38.8	15	19
22641-04-05ORRW	G1/4 "X19	8	05	41.7	18	19
22641-04-06ORRW	G1/4 "X19	10	06	45	19	19
22641-06-04ORRW	G3/8 "X19	6	04	39.8	16	22
22641-06-05ORRW	G3/8 "X19	8	05	41.7	18	22
22641-06-06ORRW	G3/8 "X19	10	06	44	18	22
22641-06-08ORRW	G3/8 "X19	13	08	54.3	23	22
22641-08-06ORRW	G1/2 "X14	10	06	44	18	27
22641-08-08ORRW	G1/2 "X14	13	08	51.3	20	27
22641-10-08ORRW	G5/8 "X14	13	08	54.3	23	30
22641-10-10ORRW	G5/8 "X14	16	10	64.2	25	30
22641-12-10ORRW	G3/4 "X14	16	10	67.2	28	32
22641-12-12ORRW	G3/4 "X14	19	12	71.7	29	32
22641-16-12ORRW	G1 "X11	19	12	74.7	32	41
22641-16-16ORRW	G1 "X11	25	16	84.4	35	41
22641-20-16ORRW	G1.1/4 "X11	25	16	88.4	39	50
22641-20-20ORRW	G1.1/4 "X11	32	20	100.8	40	50
22641-24-20ORRW	G1.1/2 "X11	32	20	114.8	54	55
22641-24-24ORRW	G1.1/2 "X11	38	24	121.1	50	55
22641-32-24ORRW	G2 "X11	38	24	130.1	59	70
22641-32-32ORRW	G2 "X11	51	32	155	70	70

22641-RW 45°BSP Female 60°Cone


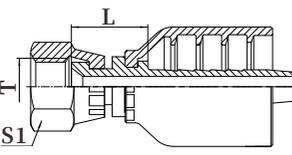
PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
22641-04-04RW	G1/4 "X19	6	04	38.8	15	19
22641-04-05RW	G1/4 "X19	8	05	41.7	18	19
22641-06-04RW	G3/8 "X19	6	04	39.8	16	22
22641-06-05RW	G3/8 "X19	8	05	41.7	18	22
22641-06-06RW	G3/8 "X19	10	06	44	18	22
22641-06-08RW	G3/8 "X19	13	08	54.3	23	22
22641-08-08RW	G1/2 "X14	13	08	51.3	20	27
22641-10-08RW	G5/8 "X14	13	08	54.3	23	30
22641-10-10RW	G5/8 "X14	16	10	64.2	25	30
22641-12-10RW	G3/4 "X14	16	10	67.2	28	32
22641-12-12RW	G3/4 "X14	19	12	71.7	29	32
22641-16-16RW	G1 "X11	25	16	84.4	35	41
22641-20-20RW	G1.1/4 "X11	32	20	100.8	40	50
22641-24-24RW	G1.1/2 "X11	38	24	121.1	50	55
22641-32-32RW	G2 "X11	51	32	155	70	70

22691-ORRW 90°BSP Female 60°Cone with O-Ring


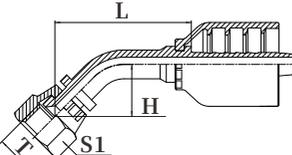
PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
22691-02-04ORRW	G1/8 " X28	6	04	32	27	14
22691-04-04ORRW	G1/4 " X19	6	04	32	28	19
22691-04-05ORRW	G1/4 " X19	8	05	32.5	31.5	19
22691-04-06ORRW	G1/4 " X19	10	06	36.5	34	19
22691-06-04ORRW	G3/8 " X19	6	04	32	31	22
22691-06-05ORRW	G3/8 " X19	8	05	32.5	34	22
22691-06-06ORRW	G3/8 " X19	10	06	36.5	34	22
22691-06-08ORRW	G3/8 " X19	13	08	44.5	42	22
22691-08-06ORRW	G1/2 " X14	10	06	36.5	35	27
22691-08-08ORRW	G1/2 " X14	13	08	44.5	41	27
22691-10-08ORRW	G5/8 " X14	13	08	44.5	45	30
22691-10-10ORRW	G5/8 " X14	16	10	55	51	30
22691-12-10ORRW	G3/4 " X14	16	10	55	56	32
22691-12-12ORRW	G3/4 " X14	19	12	62	58	32
22691-16-12ORRW	G1 " X11	19	12	62	62	41
22691-16-16ORRW	G1 " X11	25	16	74	70	41
22691-20-16ORRW	G1.1/4 " X11	25	16	74	76	50
22691-20-20ORRW	G1.1/4 " X11	32	20	91.5	85	50
22691-24-20ORRW	G1.1/2 " X11	32	20	91.5	92	55
22691-24-24ORRW	G1.1/2 " X11	38	24	108	100	55
22691-32-24ORRW	G2 " X11	38	24	108	110	70
22691-32-32ORRW	G2 " X11	51	32	133.8	140	70

22691-RW 90°BSP Female 60°Cone


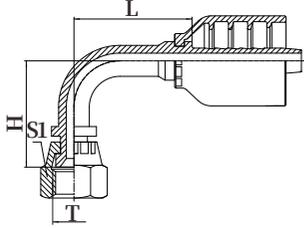
PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
22691-02-04RW	G1/8"X28	6	04	32	27	14
22691-04-04RW	G1/4"X19	6	04	32	28	19
22691-04-05RW	G1/4"X19	8	05	32.5	31.5	19
22691-04-06RW	G1/4"X19	10	06	36.5	34	19
22691-06-04RW	G3/8"X19	6	04	32	31	22
22691-06-05RW	G3/8"X19	8	05	32.5	34	22
22691-06-06RW	G3/8"X19	10	06	36.5	34	22
22691-08-08RW	G1/2"X14	13	08	44.5	41	27
22691-10-08RW	G5/8"X14	13	08	44.5	45	30
22691-10-10RW	G5/8"X14	16	10	55	51	30
22691-12-10RW	G3/4"X14	16	10	55	56	32
22691-12-12RW	G3/4"X14	19	12	62	58	32
22691-16-16RW	G1"X11	25	16	74	70	41
22691-20-20RW	G1.1/4"X11	32	20	91.5	85	50
22691-24-24RW	G1.1/2"X11	38	24	108	100	55
22691-32-32RW	G2"X11	51	32	133.8	140	70

20711-RW GB Metric Female 74° Cone Seat


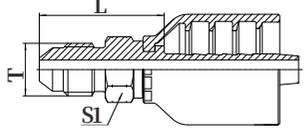
PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
		DN	DASH	L	S1
20711-12-04RW	M12X1.5	6	04	14.5	17
20711-14-04RW	M14X1.5	6	04	15.5	17
20711-14-05RW	M14X1.5	8	05	15.5	19
20711-14-06RW	M14X1.5	10	06	15.5	19
20711-16-04RW	M16X1.5	6	04	16.5	19
20711-16-05RW	M16X1.5	8	05	16.5	19
20711-16-06RW	M16X1.5	10	06	16.5	22
20711-18-05RW	M18X1.5	8	05	18.5	22
20711-18-06RW	M18X1.5	10	06	17.5	22
20711-20-06RW	M20X1.5	10	06	16	24
20711-22-08RW	M22X1.5	13	08	18.5	27
20711-27-08RW	M27X1.5	13	08	20.5	32
20711-27-10RW	M27X1.5	16	10	21.5	32
20711-30-10RW	M30X1.5	16	10	21.5	36
20711-30-12RW	M30X1.5	19	12	21.5	36
20711-33-12RW	M33X2	19	12	22	41
20711-36-12RW	M36X2	19	12	21	41
20711-36-14RW	M36X2	22	14	21	41
20711-36-16RW	M36X2	25	16	22	41
20711-39-16RW	M39X2	25	16	23.5	46
20711-42-16RW	M42X2	25	16	23.5	50
20711-45-20RW	M45X2	32	20	25	55
20711-52-24RW	M52X2	38	24	25	60

20741-RW 45°GB Metric Female 74° Cone Seat


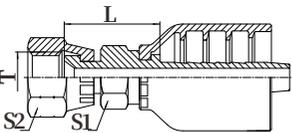
PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
20741-12-04RW	M12X1.5	6	04	33.8	10	17
20741-14-04RW	M14X1.5	6	04	33.8	10	17
20741-14-05RW	M14X1.5	8	05	33.8	10	19
20741-14-06RW	M14X1.5	10	06	33.8	10	19
20741-16-04RW	M16X1.5	6	04	33.8	10	19
20741-16-05RW	M16X1.5	8	05	33.8	10	19
20741-16-06RW	M16X1.5	10	06	37.0	11	22
20741-18-05RW	M18X1.5	8	05	37.0	11	22
20741-18-06RW	M18X1.5	10	06	37.0	11	22
20741-22-08RW	M22X1.5	13	08	43.6	15.0	27
20741-27-08RW	M27X1.5	13	08	55.2	16	32
20741-27-10RW	M27X1.5	16	10	55.2	16	32
20741-30-10RW	M30X1.5	16	10	63.7	21.0	36
20741-30-12RW	M30X1.5	19	12	63.7	21.0	36
20741-33-12RW	M33X2	19	12	63.7	21.0	41
20741-36-12RW	M36X2	19	12	73.4	24.0	41
20741-36-14RW	M36X2	22	14	73.4	24.0	41
20741-36-16RW	M36X2	25	16	73.4	24.0	41
20741-39-16RW	M39X2	25	16	73.4	24.0	46
20741-42-20RW	M42X2	32	20	92.8	32.0	55
20741-52-24RW	M52X2	38	24	113	42	60

20791-RW 90°GB Metric Female 74° Cone Seat


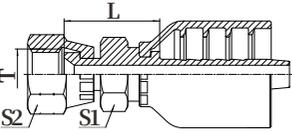
PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
20791-12-04RW	M12X1.5	6	04	32.0	30	17
20791-14-04RW	M14X1.5	6	04	32.5	32	17
20791-14-05RW	M14X1.5	8	05	32.5	32	19
20791-14-06RW	M14X1.5	10	06	36.5	38.0	19
20791-16-04RW	M16X1.5	6	04	32.5	32	19
20791-16-05RW	M16X1.5	8	05	32.5	32	19
20791-16-06RW	M16X1.5	10	06	36.5	38.0	22
20791-18-05RW	M18X1.5	8	05	36.5	38.0	22
20791-18-06RW	M18X1.5	10	06	36.5	38.0	22
20791-22-08RW	M22X1.5	13	08	44.5	41.0	27
20791-27-08RW	M27X1.5	13	08	55.0	47	32
20791-27-10RW	M27X1.5	16	10	55.0	47	32
20791-30-10RW	M30X1.5	16	10	64.0	52	36
20791-30-12RW	M30X1.5	19	12	64.0	52	36
20791-36-12RW	M36X2	19	12	74.0	71	41
20791-36-14RW	M36X2	22	14	74.0	71	41
20791-36-16RW	M36X2	25	16	74.0	71	41
20791-39-16RW	M39X2	25	16	74.0	71	46
20791-42-20RW	M42X2	32	20	91.5	78.0	50
20791-52-24RW	M52X2	38	24	108.0	86	60

16711-RW JIC Male 74° Cone


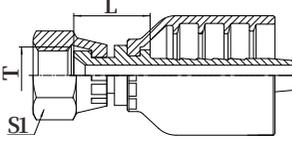
PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
		DN	DASH	L	S1
16711-04-04RW	7/16"X20	6	04	26.5	12
16711-05-04RW	1/2"X20	6	04	26.5	14
16711-05-05RW	1/2"X20	8	05	26.5	14
16711-05-06RW	1/2"X20	10	06	26.5	17
16711-06-04RW	9/16"X18	6	04	26.5	17
16711-06-05RW	9/16"X18	8	05	26.5	17
16711-06-06RW	9/16"X18	10	06	26.5	17
16711-08-06RW	3/4"X16	10	06	31	22
16711-08-08RW	3/4"X16	13	08	31.5	22
16711-10-06RW	7/8"X14	10	06	32	24
16711-10-08RW	7/8"X14	13	08	34.5	24
16711-10-10RW	7/8"X14	16	10	35.5	24
16711-12-08RW	1.1/16"X12	13	08	39	27
16711-12-10RW	1.1/16"X12	16	10	40	27
16711-12-12RW	1.1/16"X12	19	12	40	27
16711-12-16RW	1.1/16"X12	25	16	41	30
16711-14-10RW	1.3/16"X12	16	10	40	32
16711-14-12RW	1.3/16"X12	19	12	40.5	32
16711-16-12RW	1.5/16"X12	19	12	42.5	36
16711-16-16RW	1.5/16"X12	25	16	43.5	36
16711-20-16RW	1.5/8"X12	25	16	46	46
16711-20-20RW	1.5/8"X12	32	20	47.5	46
16711-24-20RW	1.7/8"X12	32	20	53.5	50
16711-24-24RW	1.7/8"X12	38	24	53	50
16711-32-32RW	2.1/2"X12	51	32	64	65

26711D-SMRW JIC Female 74° Cone Seat Double Hexagon


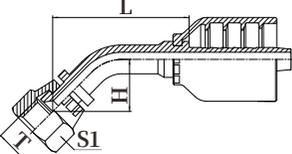
PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	S1	S2
26711D-04-04SMRW	7/16 " X20	6	04	20	12	14
26711D-05-04SMRW	1/2 " X20	6	04	20.5	12	17
26711D-06-04SMRW	9/16 " X18	6	04	21	14	19
26711D-06-06SMRW	9/16 " X18	10	06	21	17	19
26711D-08-06SMRW	3/4 " X16	10	06	25	19	22
26711D-08-08SMRW	3/4 " X16	13	08	24.5	22	22
26711D-08-10SMRW	3/4 " X16	16	10	25.5	22	22
26711D-10-08SMRW	7/8 " X14	13	08	24	22	27
26711D-10-10SMRW	7/8 " X14	16	10	27	22	27
26711D-12-12SMRW	1.1/16 " X12	19	12	31.5	27	32
26711D-16-12SMRW	1.5/16 " X12	19	12	31.5	32	41
26711D-16-16SMRW	1.5/16 " X12	25	16	32.5	32	41
26711D-20-20SMRW	1.5/8 " X12	32	20	37	41	50

26711D-RW JIC Female 74° Cone Seat Double Hexagon


PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	S1	S2
26711D-04-04RW	7/16 " X20	6	04	20	14	14
26711D-05-04RW	1/2 " X20	6	04	20.5	17	17
26711D-06-04RW	9/16 " X18	6	04	21	19	19
26711D-06-06RW	9/16 " X18	10	06	21	19	19
26711D-08-06RW	3/4 " X16	10	06	25	24	22
26711D-08-08RW	3/4 " X16	13	08	24.5	24	22
26711D-08-10RW	3/4 " X16	16	10	25.5	24	22
26711D-10-08RW	7/8 " X14	13	08	28	27	27
26711D-10-10RW	7/8 " X14	16	10	29	27	27
26711D-12-12RW	1.1/16 " X12	19	12	31.5	32	32
26711D-16-12RW	1.5/16 " X12	19	12	33.5	41	41
26711D-16-16RW	1.5/16 " X12	25	16	34.5	41	41
26711D-16-20RW	1.5/16 " X12	32	20	36.5	41	41
26711D-20-20RW	1.5/8 " X12	32	20	39	50	50

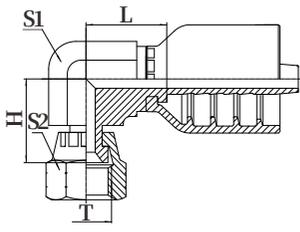
26711-RW JIC Female 74° Cone Seat


PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
		DN	DASH	L	S1
26711-04-04RW	7/16"X20	6	04	15	14
26711-05-05RW	1/2"X20	8	05	15.5	17
26711-06-05RW	9/16"X18	8	05	15.5	19
26711-06-06RW	9/16"X18	10	06	15.5	19
26711-06-08RW	9/16"X18	13	08	16	19
26711-08-06RW	3/4"X16	10	06	17.5	22
26711-08-08RW	3/4"X16	13	08	18	22
26711-10-08RW	7/8"X14	13	08	18.5	27
26711-10-10RW	7/8"X14	16	10	20	27
26711-10-12RW	7/8"X14	19	12	20	27
26711-12-10RW	1.1/16"X12	16	10	21.5	32
26711-12-12RW	1.1/16"X12	19	12	21.5	32
26711-14-12RW	1.3/16"X12	19	12	21.5	36
26711-16-16RW	1.5/16"X12	25	16	23	41
26711-20-20RW	1.5/8"X12	32	20	26	50
26711-24-24RW	1.7/8"X12	38	24	26.5	60
26711-32-32RW	2.1/2"X12	51	32	27	75

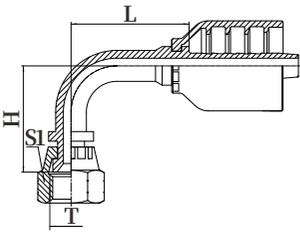
26741-RW 45° JIC Female 74° Cone Seat


PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
26741-04-04RW	7/16"X20	6	04	39.0	16.0	14
26741-05-05RW	1/2"X20	8	05	42.5	19.0	17
26741-06-05RW	9/16"X18	8	05	46.5	20.5	19
26741-06-06RW	9/16"X18	10	06	47.0	23.0	19
26741-06-08RW	9/16"X18	12	08	56.2	23.7	19
26741-08-06RW	3/4"X16	10	06	56.2	23.7	22
26741-08-08RW	3/4"X16	13	08	56.2	23.7	22
26741-10-08RW	7/8"X14	13	08	63.5	24.0	27
26741-10-10RW	7/8"X14	16	10	63.5	24.0	27
26741-10-12RW	7/8"X14	20	12	72.8	30.2	27
26741-12-10RW	1.1/16"X12	16	10	72.8	30.2	32
26741-12-12RW	1.1/16"X12	19	12	72.8	30.2	32
26741-14-12RW	1.3/16"X12	19	12	72.8	30.2	36
26741-16-16RW	1.5/16"X12	25	16	81.0	28.0	41
26741-20-20RW	1.5/8"X12	32	20	92.8	32	50
26741-24-24RW	1.7/8"X12	38	24	113.1	42	60
26741-32-32RW	2.1/2"X12	51	32	136.5	51.5	75

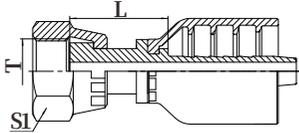
26791K-RW 90° JIC Compact Female 74° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	S1	S2
	26791K-04-04RW	7/16" X20	6	04	17.5	18	11	14
	26791K-05-05RW	1/2" X20	8	05	19.5	18	11	17
	26791K-06-04RW	9/16" X18	6	04	19	21	14	19
	26791K-06-06RW	9/16" X18	10	06	20	21	16	19
	26791K-08-06RW	3/4" X16	10	06	23	25	19	24
	26791K-08-08RW	3/4" X16	13	08	23.5	25	22	24
	26791K-10-08RW	7/8" X14	13	08	23.5	27.5	22	27
	26791K-10-10RW	7/8" X14	16	10	25	27.5	22	27
	26791K-12-12RW	1.1/16" X12	19	12	27.5	30	27	32
	26791K-16-16RW	1.5/16" X12	25	16	43	34.3	33	41

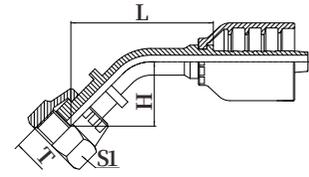
26791-RW 90° JIC Female 74° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	H	S1
	26791-04-04RW	7/16" X20	6	04	32.5	32	14
	26791-05-05RW	1/2" X20	8	05	32.5	32	17
	26791-06-05RW	9/16" X18	8	05	36.5	38	19
	26791-06-06RW	9/16" X18	10	06	36.5	38	19
	26791-06-08RW	9/16" X18	13	08	44.5	41	19
	26791-08-06RW	3/4" X16	10	06	44.5	41	22
	26791-08-08RW	3/4" X16	13	08	44.5	41	22
	26791-10-08RW	7/8" X14	13	08	55	47	27
	26791-10-10RW	7/8" X14	16	10	55	47	27
	26791-10-12RW	7/8" X14	19	12	62	58	27
	26791-12-10RW	1.1/16" X12	16	10	62	58	32
	26791-12-12RW	1.1/16" X12	19	12	62	58	32
	26791-16-16RW	1.5/16" X12	25	16	74	71	41
	26791-20-20RW	1.5/8" X12	32	20	91.5	78	50
	26791-24-24RW	1.7/8" X12	38	24	108	86	60
	26791-32-32RW	2.1/2" X12	51	32	133.8	140	75

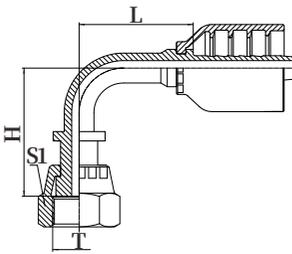
20211-RW Metric Female Flat Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	20211-14-04RW	M14X1.5	6	04	15.5	17
	20211-14-05RW	M14X1.5	8	05	15.5	19
	20211-16-05RW	M16X1.5	8	05	16.5	19
	20211-16-06RW	M16X1.5	10	06	16.5	22
	20211-18-06RW	M18X1.5	10	06	17.5	22
	20211-22-08RW	M22X1.5	13	08	18.5	27
	20211-27-10RW	M27X1.5	16	10	22	32
	20211-30-12RW	M30X1.5	19	12	21	36
	20211-36-12RW	M36X2	19	12	21	41
	20211-39-16RW	M39X2	25	16	23.5	46
	20211-45-20RW	M45X2	32	20	24.5	55
	20211-52-24RW	M52X2	38	24	25	60
	20211-60-28RW	M60X2	45	28	26	70
	20211-64-32RW	M64X2	51	32	27	75

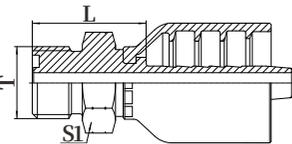
20241-RW 45° Metric Female Flat Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	H	S1
	20241-14-04RW	M14X1.5	6	04	37	18.5	17
	20241-14-05RW	M14X1.5	8	05	41	19.5	19
	20241-16-05RW	M16X1.5	8	05	42	20.0	19
	20241-16-06RW	M16X1.5	10	06	45	22	22
	20241-18-06RW	M18X1.5	10	06	46	22	22
	20241-22-08RW	M22X1.5	13	08	53	24.0	27
	20241-27-10RW	M27X1.5	16	10	65	24.0	32
	20241-30-12RW	M30X1.5	19	12	70	30.0	36
	20241-39-16RW	M39X2	25	16	84	31.5	46
	20241-42-20RW	M42X2	32	20	94.5	35	50
	20241-52-24RW	M52X2	38	24	110	38	60
	20241-64-32RW	M64X2	51	32	128	45.0	75

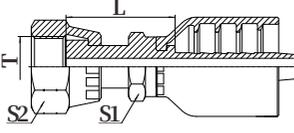
20291-RW 90° Metric Female Flat Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	H	S1
	20291-14-04RW	M14X1.5	6	04	32	28.5	17
	20291-14-05RW	M14X1.5	8	05	33	37.0	19
	20291-16-05RW	M16X1.5	8	05	32.5	38	19
	20291-16-06RW	M16X1.5	10	06	36.5	41	22
	20291-18-06RW	M18X1.5	10	06	36.5	41	22
	20291-22-08RW	M22X1.5	13	08	43.5	48.0	27
	20291-27-10RW	M27X1.5	16	10	55	51	32
	20291-30-12RW	M30X1.5	19	12	63	64	36
	20291-39-16RW	M39X2	25	16	74	70.0	46
	20291-42-20RW	M42X2	32	20	91.5	80.0	50
	20291-52-20RW	M52X2	32	20	109	80	60
	20291-52-24RW	M52X2	38	24	109	92	60
	20291-64-32RW	M64X2	51	32	129	113.3	75

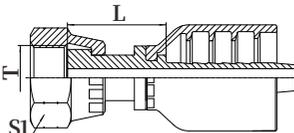
14211-RW ORFS Male Flat Seat with O-Ring

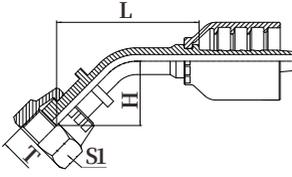
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	14211-04-04RW	9/16"X18	6	04	22.5	17
	14211-06-04RW	11/16"X16	6	04	24	19
	14211-06-06RW	11/16"X16	10	06	24	19
	14211-08-06RW	13/16"X16	10	06	27.5	22
	14211-08-08RW	13/16"X16	13	08	28.5	22
	14211-08-10RW	13/16"X16	16	10	28.5	22
	14211-10-08RW	1"X14	13	08	32.5	27
	14211-10-10RW	1"X14	16	10	33.5	27
	14211-12-08RW	1.3/16"X12	13	08	35.5	32
	14211-12-10RW	1.3/16"X12	16	10	36	32
	14211-12-12RW	1.3/16"X12	19	12	36.5	32
	14211-16-12RW	1.7/16"X12	19	12	37	41
	14211-16-16RW	1.7/16"X12	25	16	38.5	41
	14211-20-20RW	1.11/16"X12	32	20	41.5	46
	14211-24-24RW	2"X12	38	24	43	55

24211D-RW ORFS Female Flat Seat Double Hexagon

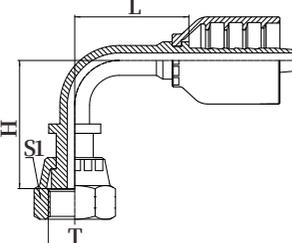
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	S1	S2
	24211D-04-04RW	9/16 " X18	6	04	27.5	14	17
	24211D-06-04RW	11/16 " X16	6	04	30.5	19	22
	24211D-06-05RW	11/16 " X16	8	05	30.5	19	22
	24211D-06-06RW	11/16 " X16	10	06	30.5	19	22
	24211D-08-06RW	13/16 " X16	10	06	33	24	24
	24211D-08-08RW	13/16 " X16	13	08	33.5	24	24
	24211D-08-10RW	13/16 " X16	16	10	34.5	24	24
	24211D-10-08RW	1 " X14	13	08	40	27	30
	24211D-10-10RW	1 " X14	16	10	41	27	30
	24211D-12-08RW	1.3/16 " X12	13	08	31	36	36
	24211D-12-10RW	1.3/16 " X12	16	10	32	36	36
	24211D-12-12RW	1.3/16 " X12	19	12	35	36	36
	24211D-16-16RW	17/16 " X12	25	16	35	41	41
	24211D-20-16RW	1.11/16 " X12	25	16	35	50	50
	24211D-20-20RW	1.11/16 " X12	32	20	40	50	50
	24211D-24-20RW	2 " X12	32	20	36.5	60	60
	24211D-24-24RW	2 " X12	38	24	36.5	60	60

24211-RW ORFS Female Flat Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	24211-04-04RW	9/16 " X18	6	04	22.5	17
	24211-04-05 RW	9/16 " X18	8	05	22.5	17
	24211-04-06RW	9/16 " X18	10	06	22.5	17
	24211-06-04RW	11/16 " X16	6	04	23.5	22
	24211-06-05RW	11/16 " X16	8	05	23.5	22
	24211-06-06RW	11/16 " X16	10	06	25.5	22
	24211-08-06RW	11/16 " X16	13	08	26	24
	24211-08-08RW	13/16 " X16	8	05	25	24
	24211-08-06RW	13/16 " X16	10	06	25	24
	24211-08-08RW	13/16 " X16	13	08	28	24
	24211-08-10RW	13/16 " X16	16	10	29	24
	24211-10-08RW	1 " X14	13	08	29.5	30
	24211-10-10RW	1 " X14	16	10	33	30
	24211-10-12RW	1 " X14	19	12	33.5	30
	24211-12-08RW	1.3/16 " X12	13	08	30.5	36
	24211-12-10RW	1.3/16 " X12	16	10	31.5	36
	24211-12-12RW	1.3/16 " X12	19	12	35	36
	24211-12-16RW	1.3/16 " X12	25	16	36	36
	24211-16-12RW	1.7/16 " X12	19	12	35	41
	24211-16-14RW	1.7/16 " X12	22	14	35	41
	24211-16-16RW	1.7/16 " X12	25	16	35	41
	24211-16-20RW	1.7/16 " X12	32	20	39.5	41
	24211-20-16RW	1.11/16 " X12	25	16	35	50
	24211-24-20RW	2 " X12	32	20	36	60
	24211-24-24RW	2 " X12	38	24	36	60

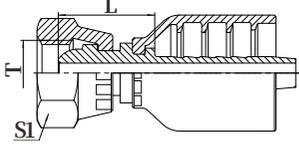
24241-RW 45°ORFS Female Flat Seat


PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
24241-04-04RW	9/16"X18	6	04	37.0	18.5	17
24241-04-05RW	9/16"X18	8	05	41.0	19.5	17
24241-04-06RW	9/16"X18	10	06	46	22.0	17
24241-06-04RW	11/16"X16	6	04	46	22.0	22
24241-06-05RW	11/16"X16	8	05	46	22.0	22
24241-06-06RW	11/16"X16	10	06	46	22.0	22
24241-08-06RW	13/16"X16	10	06	53.0	24.0	24
24241-08-08RW	13/16"X16	13	08	53.0	24.0	24
24241-08-10RW	13/16"X16	16	10	65.0	24.0	24
24241-10-08RW	1"X14	13	08	65.0	24.0	30
24241-10-10RW	1"X14	10	10	65.0	24.0	30
24241-12-08RW	1.3/16"X12	13	08	70.0	30.0	36
24241-12-10RW	1.3/16"X12	16	10	70.0	30.0	36
24241-12-12RW	1.3/16"X12	19	12	70.0	30.0	36
24241-12-16RW	1.3/16"X12	25	16	84.0	31.5	36
24241-16-12RW	1.7/16"X12	19	12	84.0	31.5	41
24241-16-14RW	1.7/16"X12	22	14	84.0	31.5	41
24241-16-16RW	1.7/16"X12	25	16	84.0	31.5	41
24241-20-16RW	1.11/16"X12	25	16	102.8	32	50
24241-20-20RW	1.11/16"X12	32	20	102.8	32	50
24241-24-20RW	2"X12	32	20	113.1	42	60
24241-24-24RW	2"X12	38	24	113.1	42	60

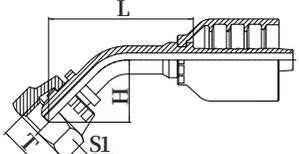
24291-RW 90°ORFS Female Flat Seat


PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
24291-04-04RW	9/16 " X18	6	04	33	32	19
24291-04-05 RW	9/16 " X18	8	05	33	32	19
24291-06-05RW	11/16 " X16	8	05	35.3	38.0	22
24291-06-06RW	11/16 " X16	10	06	35.3	38.0	22
24291-06-08RW	11/16 " X16	13	08	41	41	22
24291-08-06RW	13/16 " X16	10	06	41	41	24
24291-08-08RW	13/16 " X16	13	08	41	41	24
24291-08-10RW	13/16 " X16	16	10	56	47	24
24291-10-08RW	1 " X14	13	08	56	47	30
24291-10-10RW	1 " X14	16	10	56	47	30
24291-10-12RW	1 " X14	13	12	65.5	58	30
24291-12-10RW	1.3/16" X12	16	10	65.5	58	36
24291-12-12RW	1.3/16" X12	19	12	65.5	58	36
24291-12-16RW	1.3/16 " X12	25	16	76.9	71.0	36
24291-16-12RW	1.7/16 " X12	19	12	76.9	71.0	41
24291-16-14RW	1.7/16 " X12	22	14	76.9	71.0	41
24291-16-16RW	1.7/16" X12	25	16	76.9	71.0	41
24291-20-16RW	1.11/16 " X12	25	16	76.7	78.0	50
24291-20-20RW	1.11/16 " X12	32	20	76.7	78.0	50
24291-24-20RW	2 " X12	32	20	109.4	86	50
24291-24-24RW	2 " X12	38	24	109.4	86	60

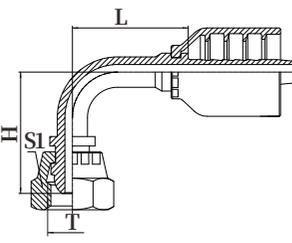
20111-RW Metric Female Multiseal

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	20111-12-04RW	M12X1.5	6	04	19.5	17
	20111-12-05RW	M12X1.5	8	05	19.5	17
	20111-14-04RW	M14X1.5	6	04	19.5	17
	20111-14-05RW	M14X1.5	8	05	19.5	19
	20111-16-04RW	M16X1.5	6	04	20	19
	20111-16-05RW	M16X1.5	8	05	20	19
	20111-18-06RW	M18X1.5	10	06	20.5	22
	20111-18-08RW	M18X1.5	13	08	22	24
	20111-22-08RW	M22X1.5	13	08	22.8	27
	20111-24-10RW	M24X1.5	16	10	25.5	30
	20111-27-10RW	M27X1.5	16	10	23.5	32
	20111-30-12RW	M30X1.5	19	12	24.5	36
	20111-39-16RW	M39X2	25	16	29.5	46
	20111-45-20RW	M45X2	32	20	31.5	55
	20111-52-24RW	M52X2	38	24	33	60

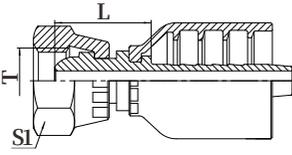
20141-RW 45° Metric Female Multiseal

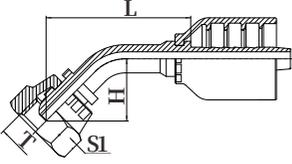
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	H	S1
	20141-12-04RW	M12X1.5	6	04	39.5	16.5	17
	20141-14-04RW	M14X1.5	6	04	43	18.3	17
	20141-14-05RW	M14X1.5	8	05	45.5	22.2	19
	20141-16-04RW	M16X1.5	6	04	42.5	21.4	19
	20141-16-05RW	M16X1.5	8	05	44.5	19.5	19
	20141-16-06RW	M16X1.5	10	06	50	24	22
	20141-18-06RW	M18X1.5	10	06	50	24	22
	20141-18-08RW	M18X1.5	13	08	58.5	28.8	24
	20141-22-08RW	M22X1.5	13	08	60	27.2	27
	20141-24-10RW	M24X1.5	16	10	67	27	30
	20141-27-10RW	M27X1.5	16	10	69	29.6	32
	20141-30-12RW	M30X1.5	19	12	76.5	33.7	36
	20141-39-16RW	M39X2	25	16	88	35.1	46
	20141-45-20RW	M45X2	32	20	101.5	40.8	55
	20141-52-24RW	M52X2	38	24	117.5	48.2	60

20191-RW 90° Metric Female Multiseal

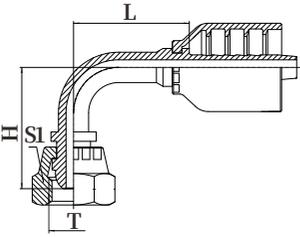
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	H	S1
	20191-12-04RW	M12X1.5	6	04	30.5	37	17
	20191-14-04RW	M14X1.5	6	04	30.5	37	17
	20191-14-05RW	M14X1.5	8	05	33	41	19
	20191-16-04RW	M16X1.5	6	04	33	41	19
	20191-16-05RW	M16X1.5	8	05	33	41	19
	20191-16-06RW	M16X1.5	10	06	36.5	43.5	22
	20191-18-06RW	M18X1.5	10	06	36.5	43.5	22
	20191-18-08RW	M18X1.5	13	08	43.5	51.5	24
	20191-22-08RW	M22X1.5	13	08	43.5	51.5	27
	20191-24-10RW	M24X1.5	16	10	55	56.5	30
	20191-27-10RW	M27X1.5	16	10	64	64.5	32
	20191-30-12RW	M30X1.5	19	12	63	66.5	36
	20191-39-16RW	M39X2	25	16	74	74.5	46
	20191-45-20RW	M45X2	32	20	91.5	89	55
	20191-52-24RW	M52X2	38	24	109	106	60

22111-RW BSP Female Multiseal

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	22111-02-04RW	G1/8"X28	6	04	17.5	14
	22111-04-04RW	G1/4"X19	6	04	19.5	19
	22111-06-05RW	G3/8"X19	8	05	20	22
	22111-06-06RW	G3/8"X19	10	06	20.5	22
	22111-06-08RW	G3/8"X19	13	08	21	22
	22111-08-06RW	G1/2"X14	10	06	23	27
	22111-08-08RW	G1/2"X14	13	08	24	27
	22111-08-10RW	G1/2"X14	16	10	24.5	27
	22111-10-08RW	G5/8"X14	13	08	24	30
	22111-10-10RW	G5/8"X14	16	10	25	30
	22111-10-12RW	G5/8"X14	19	12	25	30
	22111-12-10RW	G3/4"X14	16	10	26	32
	22111-12-12RW	G3/4"X14	19	12	26	32
	22111-16-12RW	G1"X11	19	12	27	41
	22111-16-16RW	G1"X11	25	16	28	41
	22111-20-16RW	G1.1/4"X11	25	16	28	50
	22111-20-20RW	G1.1/4"X11	32	20	31.5	50
	22111-24-20RW	G1.1/2"X11	32	20	33	55
	22111-24-24RW	G1.1/2"X11	38	24	33	55
	22111-32-24RW	G2"X11	38	24	35	70
22111-32-32RW	G2"X11	51	32	35	70	

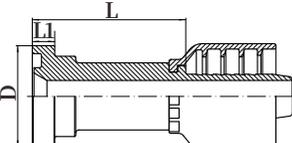
22141-RW 45°BSP Female Multiseal


PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
22141-02-04RW	G1/8 " X28	6	04	43	21.6	14
22141-04-04RW	G1/4 " X19	6	04	43	21.6	19
22141-06-05RW	G3/8 " X19	8	05	50	23.9	22
22141-06-06RW	G3/8 " X19	10	06	50	23.9	22
22141-06-08RW	G3/8 " X19	13	08	58	25.5	22
22141-08-06RW	G1/2 " X14	10	06	61	26.8	27
22141-08-08RW	G1/2 " X14	13	08	61	26.8	27
22141-08-10RW	G1/2 " X14	16	10	68.5	28.8	27
22141-10-08RW	G5/8 " X14	13	08	68.5	28.8	30
22141-10-10RW	G5/8 " X14	16	10	68.5	28.8	30
22141-10-12RW	G5/8 " X14	19	12	76	33.7	30
22141-12-10RW	G3/4 " X14	16	10	76	33.7	32
22141-12-12RW	G3/4 " X14	19	12	76	33.7	32
22141-16-12RW	G1 " X11	19	12	88	35.1	41
22141-16-16RW	G1 " X11	25	16	88	35.1	41
22141-20-16RW	G1.1/4 " X11	25	16	101.5	40.8	50
22141-20-20RW	G1.1/4 " X11	32	20	101.5	40.8	50
22141-24-20RW	G1.1/2 " X11	32	20	117.5	48.2	55
22141-24-24RW	G1.1/2 " X11	38	24	117.5	48.2	55
22141-32-24RW	G2 " X11	38	24	138	57	70
22141-32-32RW	G2 " X11	51	32	138	57	70

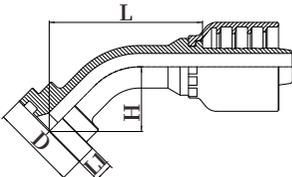
22191-RW 90° BSP Female Multiseal


PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
		DN	DASH	L	H	S1
22191-02-04RW	G1/8 " X28	6	04	30.5	37	14
22191-04-04RW	G1/4 " X19	6	04	30.5	37	19
22191-06-05RW	G3/8 " X19	8	05	36.5	43.5	22
22191-06-06RW	G3/8 " X19	10	06	36.5	43.5	22
22191-06-08RW	G3/8 " X19	13	08	43.5	51.5	22
22191-08-06RW	G1/2 " X14	10	06	43.5	51.5	27
22191-08-08RW	G1/2 " X14	13	08	43.5	51.5	27
22191-08-10RW	G1/2 " X14	16	10	64	64.5	27
22191-10-08RW	G5/8 " X14	13	08	64	64.5	30
22191-10-10RW	G5/8 " X14	16	10	64	64.5	30
22191-10-12RW	G5/8 " X14	19	12	64	64.5	30
22191-12-10RW	G3/4 " X14	16	10	63	66.5	32
22191-12-12RW	G3/4 " X14	19	12	63	66.5	32
22191-16-12RW	G1 " X11	19	12	74	74.5	41
22191-16-16RW	G1 " X11	25	16	74	74.5	41
22191-20-16RW	G1.1/4 " X11	25	16	91.5	89	50
22191-20-20RW	G1.1/4 " X11	32	20	91.5	89	50
22191-24-20RW	G1.1/2 " X11	32	20	109	106	55
22191-24-24RW	G1.1/2 " X11	38	24	109	106	55
22191-32-24RW	G2 " X11	38	24	129	125.5	70
22191-32-32RW	G2 " X11	51	32	129	125.5	70

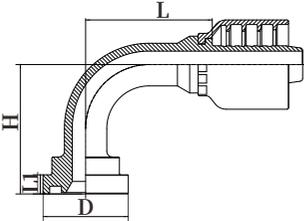
87311-RW SAE Flange 3000 PSI

	PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS		
			DN	DASH	L	D	L1
	87311-08-08RW	1/2"	13	08	46	30.2	6.73
	87311-12-08RW	3/4"	13	08	47	38.1	6.73
	87311-12-10RW	3/4"	16	10	48	38.1	6.73
	87311-12-12RW	3/4"	19	12	48	38.1	6.73
	87311-12-16RW	3/4"	25	16	49	38.1	6.73
	87311-16-12RW	1"	19	12	51	44.4	8
	87311-16-16RW	1"	25	16	52	44.4	8
	87311-16-20RW	1"	32	20	53	44.4	8
	87311-20-16RW	1.1/4"	25	16	57	50.8	8
	87311-20-20RW	1.1/4"	32	20	58	50.8	8
	87311-24-20RW	1.1/2"	32	20	68	60.3	8
	87311-24-24RW	1.1/2"	38	24	68	60.3	8
	87311-32-24RW	2"	38	24	66	71.4	9.53
	87311-32-32RW	2"	51	32	66	71.4	9.53

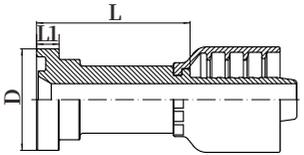
87341-RW 45° SAE Flange 3000 PSI

	PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	D	L1
	87341-08-08RW	1/2"	13	08	50.3	19	30.2	6.73
	87341-12-08RW	3/4"	13	08	57.3	26.0	38.1	6.73
	87341-12-10RW	3/4"	16	10	68.70	26.0	38.1	6.73
	87341-12-12RW	3/4"	19	12	68.7	26.0	38.1	6.73
	87341-12-16RW	3/4"	25	16	81.4	32.0	38.1	6.73
	87341-16-12RW	1"	19	12	81.4	32.0	44.4	8
	87341-16-16RW	1"	25	16	81.4	32.0	44.4	8
	87341-16-20RW	1"	32	20	98.8	38.0	44.4	8
	87341-20-16RW	1.1/4"	25	16	98.8	38.0	50.8	8
	87341-20-20RW	1.1/4"	32	20	98.8	38.0	50.8	8
	87341-24-20RW	1.1/2"	32	20	127.5	44.0	60.3	8
	87341-24-24RW	1.1/2"	38	24	127.5	44.0	60.3	8
	87341-32-24RW	2"	38	24	141.0	56.0	71.4	9.53
	87341-32-32RW	2"	51	32	141.0	56.0	71.4	9.53

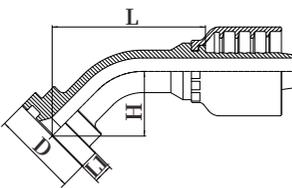
87391-RW 90° SAE Flange 3000 PSI

	PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	D	L1
				87391-08-08RW	1/2"	13	08	44.5
	87391-12-08RW	3/4"	13	08	62	58	38.1	6.73
	87391-12-10RW	3/4"	16	10	62	58	38.1	6.73
	87391-12-12RW	3/4"	19	12	62	58	38.1	6.73
	87391-12-16RW	3/4"	25	16	74	70	38.1	6.73
	87391-16-12RW	1"	19	12	74	70	44.4	8
	87391-16-16RW	1"	25	16	74	70	44.4	8
	87391-16-20RW	1"	32	20	91.5	90	44.4	8
	87391-20-16RW	1.1/4"	25	16	91.5	90	50.8	8
	87391-20-20RW	1.1/4"	32	20	91.5	90	50.8	8
	87391-24-20RW	1.1/2"	32	20	108	104	60.3	8
	87391-24-24RW	1.1/2"	38	24	108	104	60.3	8
	87391-32-24RW	2"	38	24	133.8	138	71.4	9.53
	87391-32-32RW	2"	51	32	133.8	138	71.4	9.53

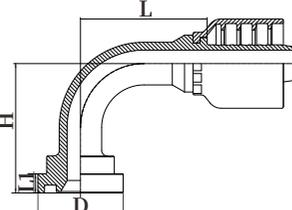
87611-RW SAE Flange 6000 PSI

	PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS		
			DN	DASH	L	D	L1
				87611-08-08RW	1/2"	13	08
	87611-12-10RW	3/4"	16	10	51	41.3	8.76
	87611-12-12RW	3/4"	19	12	51	41.3	8.76
	87611-16-12RW	1"	19	12	56	47.6	9.53
	87611-16-16RW	1"	25	16	57	47.6	9.53
	87611-16-20RW	1"	32	20	58	47.6	9.53
	87611-20-16RW	1.1/4"	25	16	65	54	10.29
	87611-20-20RW	1.1/4"	32	20	66	54	10.29
	87611-24-20RW	1.1/2"	32	20	75	63.5	12.57
	87611-24-24RW	1.1/2"	38	24	75	63.5	12.57
	87611-32-24RW	2"	38	24	85	79.4	12.57
	87611-32-32RW	2"	51	32	85	79.4	12.57

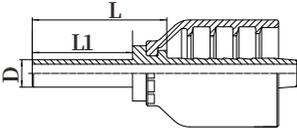
87641-RW 45° SAE Flange 6000 PSI

	PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	D	L1
	87641-08-08RW	1/2"	13	08	50.3	19.0	31.7	7.75
	87641-12-10RW	3/4"	16	10	68.7	26.0	41.3	8.76
	87641-12-12RW	3/4"	19	12	68.7	26.0	41.3	8.76
	87641-16-12RW	1"	19	12	21.4	32.0	47.6	9.53
	87641-16-16RW	1"	25	16	81.4	32.0	47.6	9.53
	87641-16-20RW	1"	32	20	98.3	38.0	47.6	9.53
	87641-20-16RW	1.1/4"	25	16	98.3	38.0	54	10.29
	87641-20-20RW	1.1/4"	32	20	98.3	38.0	54	10.29
	87641-24-24RW	1.1/2"	38	24	115.0	44.0	63.5	12.57
	87641-32-24RW	2"	38	24	141.0	56.0	79.4	12.57
	87641-32-32RW	2"	51	32	141.0	56.0	79.4	12.57

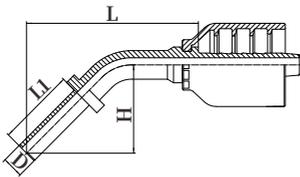
87691-RW 90° SAE Flange 6000 PSI

	PART NO.	FLANGE SIZE	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	D	L1
	87691-08-08RW	1/2"	13	08	44.5	40.0	31.7	7.75
	87691-12-10RW	3/4"	16	10	62.0	58.0	41.3	8.76
	87691-12-12RW	3/4"	19	12	62.0	58.0	41.3	8.76
	87691-16-12RW	1"	19	12	74.0	70.0	47.6	9.53
	87691-16-16RW	1"	25	16	74.0	70.0	47.6	9.53
	87691-16-20RW	1"	32	20	91.5	90.0	47.6	9.53
	87691-20-16RW	1.1/4"	25	16	91.5	90.0	54	10.29
	87691-20-20RW	1.1/4"	32	20	91.5	90.0	54	10.29
	87691-24-20RW	1.1/2"	32	20	108.0	104.0	63.5	12.57
	87691-24-24RW	1.1/2"	38	24	108.0	104.0	63.5	12.57
	87691-32-24RW	2"	38	24	133.8	138.0	79.4	12.57
	87691-32-32RW	2"	51	32	133.8	138.0	79.4	12.57

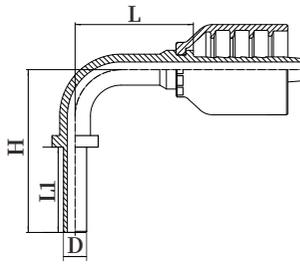
50011-RW Metric Standpipes Straight

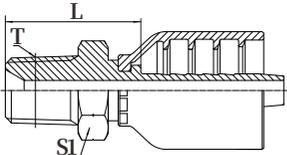
	PART NO.	TUBE O.D	HOSE BORE		DIMENSIONS			NOTE
			DN	DASH	L	D	L1	
	50011-06L-04RW	6	6	04	29.5	6	22	(L)
	50011-10L-05RW	10	8	05	31	10	23	
	50011-10L-06RW	10	10	06	33.5	10	23	
	50011-12L-06RW	12	10	06	32	12	25	
	50011-12L-08RW	12	13	08	32.5	12	25	
	50011-15-08RW	15	13	08	35.5	15	25	
	50011-18-10RW	18	16	10	35	18	26	
	50011-22-10RW	22	16	10	38	22	28	
	50011-22-12RW	22	19	12	38	22	28	
	50011-22-16RW	22	25	16	39	22	28	
	50011-28-16RW	28	25	16	41	28	30	
	50011-35-20RW	35	32	20	56	35	36	
	50011-42-24RW	42	38	24	62	42	40	
	50011-08S-04RW	8	6	04	31	8	24	(S)
	50011-08S-05RW	8	8	05	31	8	24	
	50011-08S-06RW	8	10	06	31	8	24	
	50011-10S-04RW	10	6	04	35	10	23	
	50011-12S-04RW	12	6	04	33	12	25	
	50011-12S-05RW	12	8	05	33	12	25	
	50011-14-05RW	14	8	05	39.5	14	29	
50011-14-06RW	14	10	06	39.5	14	29		
50011-14-08RW	14	13	08	40	14	29		
50011-16-08RW	16	13	08	41	16	30		
50011-16-10RW	16	16	10	42	16	30		
50011-20-10RW	20	16	10	52.5	20	36		
50011-20-12RW	20	19	12	52.5	20	36		
50011-25-12RW	25	19	12	56	25	40		
50011-25-16RW	25	25	16	57	25	40		
50011-30-16RW	30	25	16	63	30	44		
50011-30-20RW	30	32	20	64	30	44		
50011-38-16RW	38	25	16	69	38	50		
50011-38-20RW	38	32	20	70	38	50		

50041-RW 45°Metric Standpipes Straight

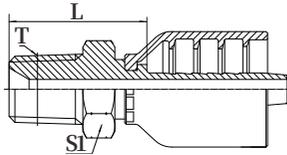
	PART NO.	TUBE O.D	HOSE BORE		DIMENSIONS				NOTE	
			DN	DASH	L	H	D	L1		
	50041-06L-04RW	6	6	04	52	30	6	22	(L)	
	50041-10L-05RW	10	8	05	54	30.5	10	23		
	50041-10L-06RW	10	10	06	56	31	10	23		
	50041-12L-06RW	12	10	06	58.5	34	12	25		
	50041-12L-08RW	12	13	08	73	37	12	25		
	50041-15-08RW	15	13	08	71	35.5	15	25		
	50041-18-10RW	18	16	10	85	39.5	18	26		
	50041-22-10RW	22	16	10	87	42	22	28		
	50041-22-12RW	22	19	12	93.5	45.5	22	28		
	50041-22-16RW	22	25	16	101	46.5	22	28		
	50041-28-16RW	28	25	16	104	49.5	28	30		
	50041-35-20RW	35	32	20	119	57.5	35	36		
	50041-08S-04RW	8	6	04	54	30	8	24		(S)
	50041-08S-05RW	8	8	05	56	32	8	24		
50041-08S-06RW	8	10	06	58	33	8	24			
50041-10S-04RW	10	6	04	54	31	10	23			
50041-12S-04RW	12	6	04	57	35	12	25			
50041-12S-05RW	12	8	05	59	35.5	12	25			
50041-14-05RW	14	8	05	61	37	14	29			
50041-14-06RW	14	10	06	62	37.5	14	29			
50041-14-08RW	14	13	08	74	38.5	14	29			
50041-16-08RW	16	13	08	77	41.5	16	30			
50041-16-10RW	16	16	10	88	43	16	30			
50041-20-10RW	20	16	10	93	48	20	36			
50041-20-12RW	20	19	12	101	52.5	20	36			
50041-25-12RW	25	19	12	102	54	25	40			
50041-25-16RW	25	25	16	110	55	25	40			
50041-30-16RW	30	25	16	114	59.5	30	44			
50041-30-20RW	30	32	20	125	63.5	30	44			
50041-38-16RW	38	25	16	119	63.5	38	50			
50041-38-20RW	38	32	20	129	68	38	50			

50091-RW 90° Metric Standpipes Straight

	PART NO.	TUBE O.D	HOSE BORE		DIMENSIONS				NOTE
			DN	DASH	L	H	D	L1	
	50091-06L-04RW	6	6	04	31	44	6	22	(L)
	50091-10L-05RW	10	8	05	33	53	10	23	
	50091-10L-06RW	10	10	06	36.5	55	10	23	
	50091-12L-06RW	12	10	06	36.5	60	12	25	
	50091-12L-08RW	12	13	08	43.5	67	12	25	
	50091-15-08RW	15	13	08	43.5	69	15	25	
	50091-18-10RW	18	16	10	55	73	18	26	
	50091-22-10RW	22	16	10	55	75	22	28	
	50091-22-12RW	22	19	12	64	86	22	28	
	50091-22-16RW	22	25	16	74	91.5	22	28	
	50091-28-16RW	28	25	16	74	93.5	28	30	
	50091-35-20RW	35	32	20	91.5	112.5	35	36	
	50091-08S-04RW	8	6	04	30	48	8	24	(S)
	50091-08S-05RW	8	8	05	33	55	8	24	
	50091-08S-06RW	8	10	06	36.5	58	8	24	
	50091-10S-04RW	10	6	04	32	50	10	23	
	50091-12S-04RW	12	6	04	32	50	12	23	
	50091-12S-05RW	12	8	05	33	60	12	23	
	50091-14-06RW	14	10	06	36.5	63	14	29	
	50091-14-08RW	14	13	08	43.5	69	14	29	
	50091-16-08RW	16	13	08	43.5	70	16	30	
	50091-16-10RW	16	16	10	55	77.5	16	30	
50091-20-10RW	20	16	10	55	83.5	20	36		
50091-20-12RW	20	19	12	64	95.5	20	36		
50091-25-12RW	25	19	12	64	99.5	25	40		
50091-25-16RW	25	25	16	74	103.5	25	40		
50091-30-16RW	30	25	16	74	109.5	30	40		
50091-30-20RW	30	32	20	91.5	120.5	30	44		
50091-38-16RW	38	25	16	74	115.5	38	50		
50091-38-20RW	38	32	20	91.5	126.5	38	50		

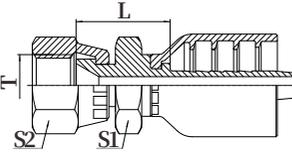
13011-SPRW BSP Male


PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
		DN	DASH	L	S1
13011-02-04SPRW	R1/8"X28	6	04	22.5	12
13011-04-04SPRW	R1/4"X19	6	04	27	17
13011-04-05SPRW	R1/4"X19	8	05	27	17
13011-04-06SPRW	R1/4"X19	10	06	27	17
13011-06-04SPRW	R3/8"X19	6	04	29.5	17
13011-06-05SPRW	R3/8"X19	8	05	36.5	17
13011-06-06SPRW	R3/8"X19	10	06	36.5	17
13011-06-08SPRW	R3/8"X19	13	08	36.5	19
13011-08-06SPRW	R1/2"X14	10	06	36.5	22
13011-08-08SPRW	R1/2"X14	13	08	36.5	22
13011-08-10SPRW	R1/2"X14	16	10	36.5	22
13011-08-12SPRW	R1/2"X14	19	12	36.5	27
13011-12-08SPRW	R3/4"X14	13	08	38.8	27
13011-12-10SPRW	R3/4"X14	16	10	38.8	27
13011-12-12SPRW	R3/4"X14	19	12	38.8	27
13011-12-16SPRW	R3/4"X14	25	16	38.8	32
13011-16-12SPRW	R1"X11	19	12	46.6	36
13011-16-16SPRW	R1"X11	25	16	46.6	36
13011-20-20SPRW	R1.1/4"X11	32	20	51	46
13011-24-24SPRW	R1.1/2"X11	38	24	51.5	50
13011-32-24SPRW	R2"X11	38	24	51.5	65
13011-32-32SPRW	R2"X11	51	32	51.5	65

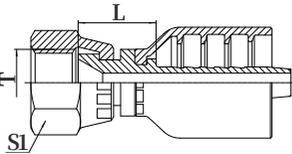
15611-RW NPT Male


PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
		DN	DASH	L	S1
15611-02-04RW	NPT1/8" X27	6	04	22.5	12
15611-04-04RW	NPT1/4" X18	6	04	28	17
15611-04-05RW	NPT1/4" X18	8	05	28	17
15611-04-06RW	NPT1/4" X18	10	06	28	17
15611-06-04RW	NPT3/8" X18	6	04	30	19
15611-06-05RW	NPT3/8" X18	8	05	30	19
15611-06-06RW	NPT3/8" X18	10	06	30	19
15611-06-08RW	NPT3/8" X18	13	08	30	19
15611-08-06RW	NPT1/2" X14	10	06	34.5	22
15611-08-08RW	NPT1/2" X14	13	08	34.5	22
15611-08-10RW	NPT1/2" X14	16	10	34.5	22
15611-12-08RW	NPT3/4" X14	13	08	38.5	27
15611-12-10RW	NPT3/4" X14	16	10	38.5	27
15611-12-12RW	NPT3/4" X14	19	12	38.5	27
15611-12-16RW	NPT3/4" X14	25	16	38.5	32
15611-16-10RW	NPT1"X11.5	16	10	46.5	36
15611-16-12RW	NPT1"X11.5	19	12	46.5	36
15611-16-16RW	NPT1"X11.5	25	16	46.5	36
15611-20-16RW	NPT1.1/4" X11.5	25	16	50.5	46
15611-20-20RW	NPT1.1/4" X11.5	32	20	50.5	46
15611-24-24RW	NPT1.1/2"X11.5	38	24	51	50
15611-32-32RW	NPT2"X11.5	51	32	55	65

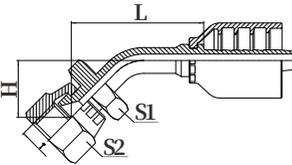
28611-RW JIS Metric Female 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	S1	S2
	28611-12-04RW	M12X1.5	6	04	20.5	17	17
	28611-14-04RW	M14X1.5	6	04	21	19	19
	28611-14-06RW	M14X1.5	10	06	21	19	19
	28611-16-04RW	M16X1.5	6	04	24	22	22
	28611-16-05RW	M16X1.5	8	05	24	22	22
	28611-16-06RW	M16X1.5	10	06	24	22	22
	28611-18-06RW	M18X1.5	10	06	25	24	24
	28611-18-08RW	M18X1.5	13	08	25.5	24	24
	28611-20-08RW	M20X1.5	13	08	28.5	27	27
	28611-22-08RW	M22X1.5	13	08	25.5	27	27
	28611-24-08RW	M24X1.5	13	08	28	32	32
	28611-24-10RW	M24X1.5	16	10	28.5	32	32
	28611-27-10RW	M27X1.5	16	10	28.5	32	32
	28611-30-12RW	M30X1.5	19	12	28.5	36	36
	28611-33-12RW	M33X1.5	19	12	31	41	41
	28611-33-16RW	M33X1.5	25	16	32	41	41
	28611-36-20RW	M36X1.5	32	20	35.5	46	46

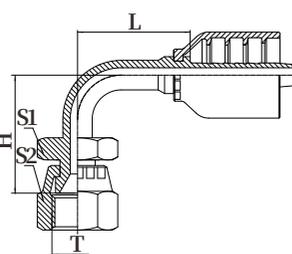
28611GM-RW JIS Metric Female 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS	
			DN	DASH	L	S1
	28611GM-12-04RW	M12X1.5	6	04	20	17
	28611GM-14-04RW	M14X1.5	6	04	21	19
	28611GM-14-06RW	M14X1.5	10	06	21	19
	28611GM-16-04RW	M16X1.5	6	04	24	22
	28611GM-16-05RW	M16X1.5	8	05	24	22
	28611GM-16-06RW	M16X1.5	10	06	24	22
	28611GM-18-06RW	M18X1.5	10	06	25	24
	28611GM-18-08RW	M18X1.5	13	08	24.5	24
	28611GM-20-08RW	M20X1.5	13	08	28.5	27
	28611GM-22-08RW	M22X1.5	13	08	25.5	27
	28611GM-24-08RW	M24X1.5	13	08	27.5	32
	28611GM-24-10RW	M24X1.5	16	10	28.5	32
	28611GM-27-10RW	M27X1.5	16	10	28.5	32
	28611GM-30-12RW	M30X1.5	19	12	28.5	36
	28611GM-33-12RW	M33X1.5	19	12	31	41
	28611GM-33-16RW	M33X1.5	25	16	32	41
	28611GM-36-20RW	M36X1.5	32	20	35.5	46

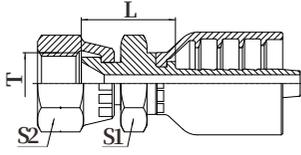
28641-RW 45° JIS Metric Female 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	S1	S2
				28641-12-04RW	M12X1.5	6	04	42.5
	28641-14-04RW	M14X1.5	6	04	42.5	19	19	19
	28641-14-06RW	M14X1.5	10	06	49	23	19	19
	28641-16-04RW	M16X1.5	6	04	45	21.5	22	22
	28641-16-05RW	M16X1.5	8	05	49	25.5	22	22
	28641-16-06RW	M16X1.5	10	06	51.5	25.5	22	22
	28641-18-06RW	M18X1.5	10	06	52	26	24	24
	28641-18-08RW	M18X1.5	13	08	61	28.5	24	24
	28641-22-08RW	M22X1.5	13	08	61	28.5	27	27
	28641-24-08RW	M24X1.5	13	08	62.5	30	32	32
	28641-24-10RW	M24X1.5	16	10	71	31	32	32
	28641-30-12RW	M30X1.5	19	12	77	34	36	36
	28641-33-12RW	M33X1.5	19	12	78.5	36	41	41
	28641-33-16RW	M33X1.5	25	16	90	37	41	41
	28641-36-20RW	M36X1.5	32	20	104	43.5	46	46

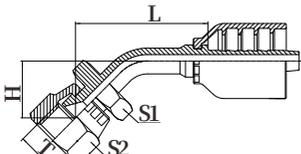
28691-RW 90° JIS Metric Female 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	S1	S2
				28691-12-04RW	M12X1.5	6	04	30
	28691-14-04RW	M14X1.5	6	04	30	30	19	19
	28691-14-06RW	M14X1.5	10	06	36.5	28	19	19
	28691-16-04RW	M16X1.5	6	04	30	28	22	22
	28691-16-05RW	M16X1.5	8	05	36.5	37.5	22	22
	28691-16-06RW	M16X1.5	10	06	36.5	39	22	22
	28691-18-06RW	M18X1.5	10	06	36.5	41	24	24
	28691-18-08RW	M18X1.5	13	08	43.5	46.5	24	24
	28691-22-08RW	M22X1.5	13	08	43.5	47	27	27
	28691-24-08RW	M24X1.5	13	08	43.5	48.5	32	32
	28691-24-10RW	M24X1.5	16	10	55	53	32	32
	28691-30-12RW	M30X1.5	19	12	64	62	36	36
	28691-33-12RW	M33X1.5	19	12	64	70	41	41
	28691-33-16RW	M33X1.5	25	16	74	77	41	41
	28691-36-20RW	M36X1.5	32	20	91.5	92	46	46

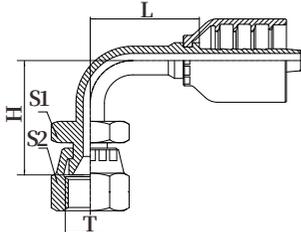
29611-RW JIS GAS Female 60° Cone Seat

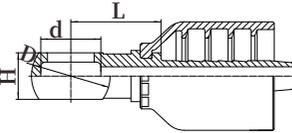
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS		
			DN	DASH	L	S2	S1
	29611-04-04RW	G1/4 " X19	6	04	21	19	19
	29611-04-05RW	G1/4 " X19	8	05	21	19	19
	29611-06-04RW	G3/8 " X19	6	04	23.5	22	22
	29611-06-06RW	G3/8 " X19	10	06	23	22	22
	29611-08-06RW	G1/2 " X14	10	06	26	27	27
	29611-08-08RW	G1/2 " X14	13	08	26.5	27	27
	29611-10-10RW	G5/8 " X14	16	10	31	30	30
	29611-12-10RW	G3/4 " X14	16	10	31.5	32	32
	29611-12-12RW	G3/4 " X14	19	12	31.5	32	32
	29611-16-16RW	G1 " X11	25	16	32	41	41

29641-RW 45° JIS GAS Female 60° Cone Seat

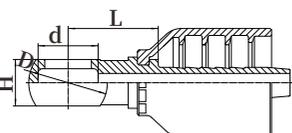
	PART NO.	THREAD T	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	S1	S2
	29641-04-04RW	G1/4 " X19	6	04	42.5	19.5	19	19
	29641-04-05RW	G1/4 " X19	8	05	47	23	19	19
	29641-06-04RW	G3/8 " X19	6	04	44.5	21	22	22
	29641-06-06RW	G3/8 " X19	10	06	51	25	22	22
	29641-08-06RW	G1/2 " X14	10	06	53	27	27	27
	29641-08-08RW	G1/2 " X14	13	08	61.5	29	27	27
	29641-10-10RW	G5/8 " X14	16	10	72.5	32.5	30	30
	29641-12-10RW	G3/4 " X14	16	10	72.5	33	32	32
	29641-12-12RW	G3/4 " X14	19	12	79	36	32	32
	29641-16-16RW	G1 " X11	25	16	90	37	41	41

29691-RW 90° JIS GAS Female 60° Cone Seat

	PART NO.	THREAD T	HOSE BORE		DIMENSIONS			
			DN	DASH	L	H	S1	S2
	29691-04-04RW	G1/4 " X19	6	04	30.5	36	19	19
	29691-04-05RW	G1/4 " X19	8	05	33	39.5	19	19
	29691-06-04RW	G3/8 " X19	6	04	30.5	37	22	22
	29691-06-06RW	G3/8 " X19	10	06	36.5	44	22	22
	29691-08-06RW	G1/2 " X14	10	06	36.5	46	27	27
	29691-08-08RW	G1/2 " X14	13	08	44	51.5	27	27
	29691-10-10RW	G5/8 " X14	16	10	55	59	30	30
	29691-12-10RW	G3/4 " X14	16	10	55	57.5	32	32
	29691-12-12RW	G3/4 " X14	19	12	63	65.5	32	32
	29691-16-16RW	G1 " X11	25	16	74	74.5	41	41

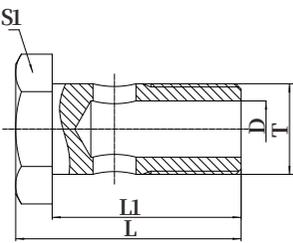
70011-RW Metric Banjo


PART NO.	BOLT	HOSE BORE		DIMENSIONS			
		DN	DASH	L	d	D	H
70011-10-03RW	M10X1	5	03	17	10.1	17	10
70011-10-04RW	M10X1	6	04	19.5	10.1	17	10
70011-12-04RW	M12X1.5	6	04	21	12.1	20	12
70011-12-05RW	M12X1.5	8	05	22.5	12.1	22	12
70011-12-06RW	M12X1.5	10	06	21	12.1	20	12
70011-14-04RW	M14X1.5	6	04	24.5	14.1	24	14
70011-14-05RW	M14X1.5	8	05	21	14.1	24	14
70011-14-06RW	M14X1.5	10	06	24.5	14.1	24	14
70011-16-04RW	M16X1.5	6	04	24	16.1	28	18
70011-16-05RW	M16X1.5	8	05	24	16.1	28	18
70011-16-06RW	M16X1.5	10	06	24	16.1	28	18
70011-18-04RW	M18X1.5	6	04	30.5	18.1	32	20
70011-18-05RW	M18X1.5	8	05	24.5	18.1	32	20
70011-18-06RW	M18X1.5	10	06	24.5	18.1	32	20
70011-18-08RW	M18X1.5	13	08	25	18.1	32	20
70011-22-06RW	M22X1.5	10	06	27	22.1	35	22
70011-22-08RW	M22X1.5	13	08	27.5	22.1	35	22
70011-22-10RW	M22X1.5	16	10	28	22.1	39	22
70011-26-12RW	M26X1.5	19	12	36.5	26.1	45	29
70011-30-16RW	M30X1.5	25	16	40	30.1	54	36
70011-30-20RW	M30X1.5	32	20	41	30.1	54	36

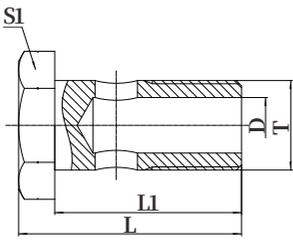
72011-RW BSP Banjo


PART NO.	BOLT	HOSE BORE		DIMENSIONS			
		DN	DASH	L	d	D	H
72011-04-04RW	G1/4 " X19	6	04	19.5	13.3	24	14
72011-04-05RW	G1/4 " X19	8	05	19.5	13.3	24	14
72011-04-06RW	G1/4 " X19	10	06	22	13.3	24	14
72011-06-04RW	G3/8 " X19	6	04	22	16.7	29	18
72011-06-05RW	G3/8 " X19	8	05	22	16.7	29	20
72011-06-06RW	G3/8 " X19	10	06	22	16.7	29	20
72011-06-08RW	G3/8 " X19	13	08	23.5	16.7	28	20
72011-08-05RW	G1/2 " X14	8	05	27.5	21	35	22
72011-08-06RW	G1/2 " X14	10	06	27.5	21.2	35	22
72011-08-08RW	G1/2 " X14	13	08	27.5	21.2	36	25
72011-08-10RW	G1/2 " X14	16	10	28.5	21.2	36	25
72011-10-10RW	G5/8 " X14	16	10	28	23	40	27
72011-12-10RW	G3/4 " X14	16	10	32	26.5	48	31
72011-12-12RW	G3/4 " X14	19	12	32	26.5	48	31
72011-16-08RW	G1 " X11	13	08	40	33.3	48	36
72011-16-12RW	G1 " X11	19	12	40	33.3	54	36
72011-16-16RW	G1 " X11	25	16	41	33.3	54	36

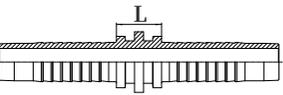
700M Metric Bolt

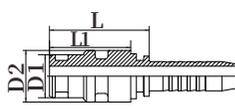
	PART NO.	THREAD T	DIMENSIONS		
			L	L1	S1
	700M-10	M10X1	19.5	6	14
	700M-12	M12X1.5	24.5	6	17
	700M-14	M14X1.5	26	6	19
	700M-16	M16X1.5	28.5	6	22
	700M-18	M18X1.5	32.5	6	24
	700M-22	M22X1.5	39	8	27
	700M-26	M26X1.5	46	10	32
	700M-30	M30X1.5	51	10	36

720B BSP Bolt

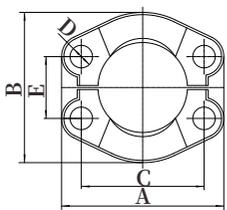
	PART NO.	THREAD T	DIMENSIONS		
			L	L1	S1
	720B-02	G1/8" X28	29.5	4.8	14
	720B-04	G1/4" X19	28.5	6	19
	720B-06	G3/8" X19	38.5	7	22
	720B-08	G1/2" X14	44	8.5	27
	720B-10	G5/8" X14	48.5	10	30
	720B-12	G3/4" X14	46	10	32
	720B-16	G1" X11	68.5	13	41

90011 Double Connector

	PART NO.	HOE BORE		DIMENSION
		DN	DASH	L
	90011-04	6	04	12
	90011-05	8	05	12
	90011-06	10	06	12
	90011-08	13	08	13
	90011-10	16	10	16
	90011-12	19	12	16
	90011-16	25	16	23
	90011-20	32	20	26
	90011-24	38	24	26
	90011-32	51	32	26

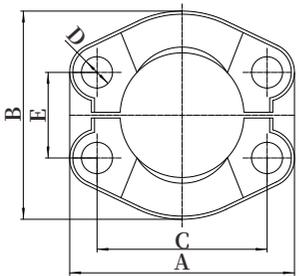
DN/KJ Staple-Lock Quick Hose Fitting


PART NO.	DN/KJ	SIZE	DIMENSIONS		
			L1	D1	D2
60011-04-04D	DN06	1/4 "	36.5	15	10
60011-05-05D	DN08	5/16 "	36.5	20	14
60011-06-06D	DN10	3/8 "	36.5	20	14
60011-08-08D	DN13	1/2 "	37	24	18
60011-10-10D	DN16	5/8 "	38	26	21
60011-12-12D	DN19	3/4 "	38	29	24
60011-16-16D	DN25	1 "	44	39	31
60011-20-20D	DN32	1.1/4 "	46	46	38
60011-24-24D	DN38	1.1/2 "	51	55	47
60011-32-32D	DN51	2 "	51	64	56
60011-20-20G	DN32G	1.1/4 "	66	45.5	38
60011-24-24G	DN38G	1.1/2 "	72	54.5	44
60011-32-32G	DN51G	2 "	72	63.5	50
60011-04-04K	KJ06	1/4 "	34	15.0	11
60011-05-05K	KJ08	5/16 "	34	18.0	13
60011-06-06K	KJ10	3/8 "	34	18.0	15
60011-08-08K	KJ13	1/2 "	34	22.0	18
60011-10-10K	KJ16	5/8 "	38	25.0	20
60011-12-12K	KJ19	3/4 "	40	28.0	24
60011-16-16K	KJ25	1 "	40	35.0	30
60011-20-20K	KJ32	1.1/4 "	42	42.0	38

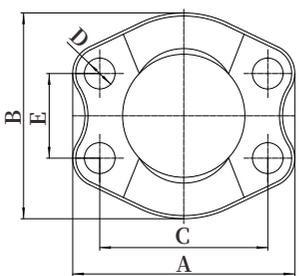
FL SAE Split Flange Clamps 3000PSI


PART NO.	FLANGE SIZE	DIMENSIONS				BOLT	W.P. MPa
		A	B	C	E		
FL-08	1/2 "	54	46	38.1	17.48	M8X25	35.4
FL-08UN	1/2 "	54	46	38.1	17.48	5/16 " -18X1.1/4 "	
FL-12	3/4 "	65	52	47.63	22.23	M10X30	
FL-12UN	3/4 "	65	52	47.63	22.23	3/8 " -16X1.1/4 "	
FL-16	1 "	70	59	52.37	26.19	M10X30	
FL-16UN	1 "	70	59	52.37	26.19	3/8 " -16X1.1/4 "	27.6
FL-20	1.1/4 "	79	73	58.72	30.18	M10X30	
FL-20UN	1.1/4 "	79	73	58.72	30.18	7/16 " -14X1.1/2 "	20.7
FL-24	1.1/2 "	94	83	69.85	35.71	M12X35	
FL-24UN	1.1/2 "	94	83	69.85	35.71	1/2 " -13X1.1/2 "	
FL-32	2 "	102	97	77.77	42.88	M12X35	17.2
FL-32UN	2 "	102	97	77.77	42.88	1/2 " -13X1.1/2 "	
FL-40	2.1/2 "	114	109	88.9	50.8	M12X40	13.8
FL-40UN	2.1/2 "	114	109	88.9	50.8	1/2 " -13X1.3/4 "	
FL-48	3 "	135	131	106.38	61.93	M16X45	3.4
FL-48UN	3 "	135	131	106.38	61.93	5/8 " -11X1.3/4 "	
FL-56	3.1/2 "	152	140	120.65	69.85	M16X50	
FL-56UN	3.1/2 "	152	140	120.65	69.85	5/8 " -11X2 "	
FL-64	4 "	162	152	130.18	77.77	M16X50	3.4
FL-64UN	4 "	162	152	130.18	77.77	5/8 " -11X2 "	

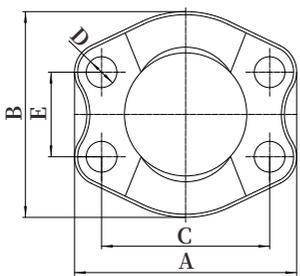
FS SAE Split Flange Clamps 6000PSI

	PART NO.	FLANGE SIZE	DIMENSIONS				BOLT	W.P.
			A	B	C	E		MPa
	FS-08	1/2 "	56.4	47.2	40.5	18.2	M8X30	42
FS-08UN	1/2 "	56.4	47.2	40.5	18.2	5/16 " -18X1.1/2 "		
FS-12	3/4 "	71.4	60	50.8	23.8	M10X35		
FS-12UN	3/4 "	71.4	60	50.8	23.8	3/8 " -16X1.1/2 "		
FS-16	1 "	81.2	69.6	57.2	27.8	M12X45		
FS-16UN	1 "	81.2	69.6	57.2	27.8	7/16 " -14X1.3/4 "		
FS-20	1.1/4 "	95.2	77.2	66.7	31.8	M14X45		
FS-20UN	1.1/4 "	95.2	77.2	66.7	31.8	1/2 " -13X1.3/4 "		
FS-24	1.1/2 "	112.8	95	79.4	36.6	M16X55		
FS-24UN	1.1/2 "	112.8	95	79.4	36.6	5/8 " -11X2.1/4 "		
FS-32	2 "	133.4	113.8	96.8	44.4	M20X70		
FS-32UN	2 "	133.4	113.8	96.8	44.4	3/4 " -10X2.3/4 "		

FL-W SAE Whole Flange Clamp 3000PSI

	PART NO.	FLANGE SIZE	DIMENSIONS				BOLT	W.P.
			A	B	C	E		MPa
	FL-08W	1/2 "	54	46	38.1	17.48	M8X25	34.5
FL-08WUN	1/2 "	54	46	38.1	17.48	5/16 " -18X1.1/4 "		
FL-12W	3/4 "	65	52	47.63	22.23	M10X30		
FL-12WUN	3/4 "	65	52	47.63	22.23	3/8 " -16X1.1/4 "		
FL-16W	1 "	70	59	52.37	26.19	M10X30		
FL-16WUN	1 "	70	59	52.37	26.19	3/8 " -16X1.1/4 "		
FL-20W	1.1/4 "	79	73	58.72	30.18	M10X30	276	
FL-20WUN	1.1/4 "	79	73	58.72	30.18	7/16 " -14X1.1/2 "		
FL-24W	1.1/2 "	94	83	69.85	35.71	M12X35	20.7	
FL-24WUN	1.1/2 "	94	83	69.85	35.71	1/2 " -13X1.1/2 "		
FL-32W	2 "	102	97	77.77	42.88	M12X35		
FL-32WUN	2 "	102	97	77.77	42.88	1/2 " -13X1.1/2 "		
FL-40W	2.1/2 "	114	109	88.9	50.8	M12X40	179	
FL-40WUN	2.1/2 "	114	109	88.9	50.8	1/2 " -13X1.3/4 "		
FL-48W	3 "	135	131	106.38	61.93	M16X45	13.8	
FL-48WUN	3 "	135	131	106.38	61.93	5/8 " -11X1.3/4 "		
FL-56W	3.1/2 "	152	140	120.65	69.85	M16X50	3.4	
FL-56WUN	3.1/2 "	152	140	120.65	69.85	5/8 " -11X2 "		
FL-64W	4 "	162	152	130.18	77.77	M16X50		
FL-64WUN	4 "	162	152	130.18	77.77	5/8 " -11X2 "		

FS-W SAE Whole Flange Clamp 6000PSI

	PART NO.	FLANGE SIZE	DIMENSIONS				BOLT	W.P.
			A	B	C	E		MPa
		FS-08W	1/2"	56.4	47.2	40.5	18.2	M8X30
	FS-08WUN	1/2"	56.4	47.2	40.5	18.2	5/16"-18X1.1/2"	
	FS-12W	3/4"	71.4	60	50.8	23.8	M10X35	
	FS-12WUN	3/4"	71.4	60	50.8	23.8	3/8"-16X1.1/2"	
	FS-16W	1"	81.2	69.6	57.2	27.8	M12X45	
	FS-16WUN	1"	81.2	69.6	57.2	27.8	7/16"-14X1.3/4"	
	FS-20W	1.1/4"	95.2	77.2	66.7	31.8	M14X45	
	FS-20WUN	1.1/4"	95.2	77.2	66.7	31.8	1/2"-13X1.3/4"	
	FS-24W	1.1/2"	112.8	95.4	79.4	36.6	M16X55	
	FS-24WUN	1.1/2"	112.8	95	79.4	36.6	5/8"-11X2.1/4"	
	FS-32W	2"	133.4	113.8	96.8	44.4	M20X70	
	FS-32WUN	2"	133.4	113.8	96.8	44.4	3/4"-10X2.3/4	

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