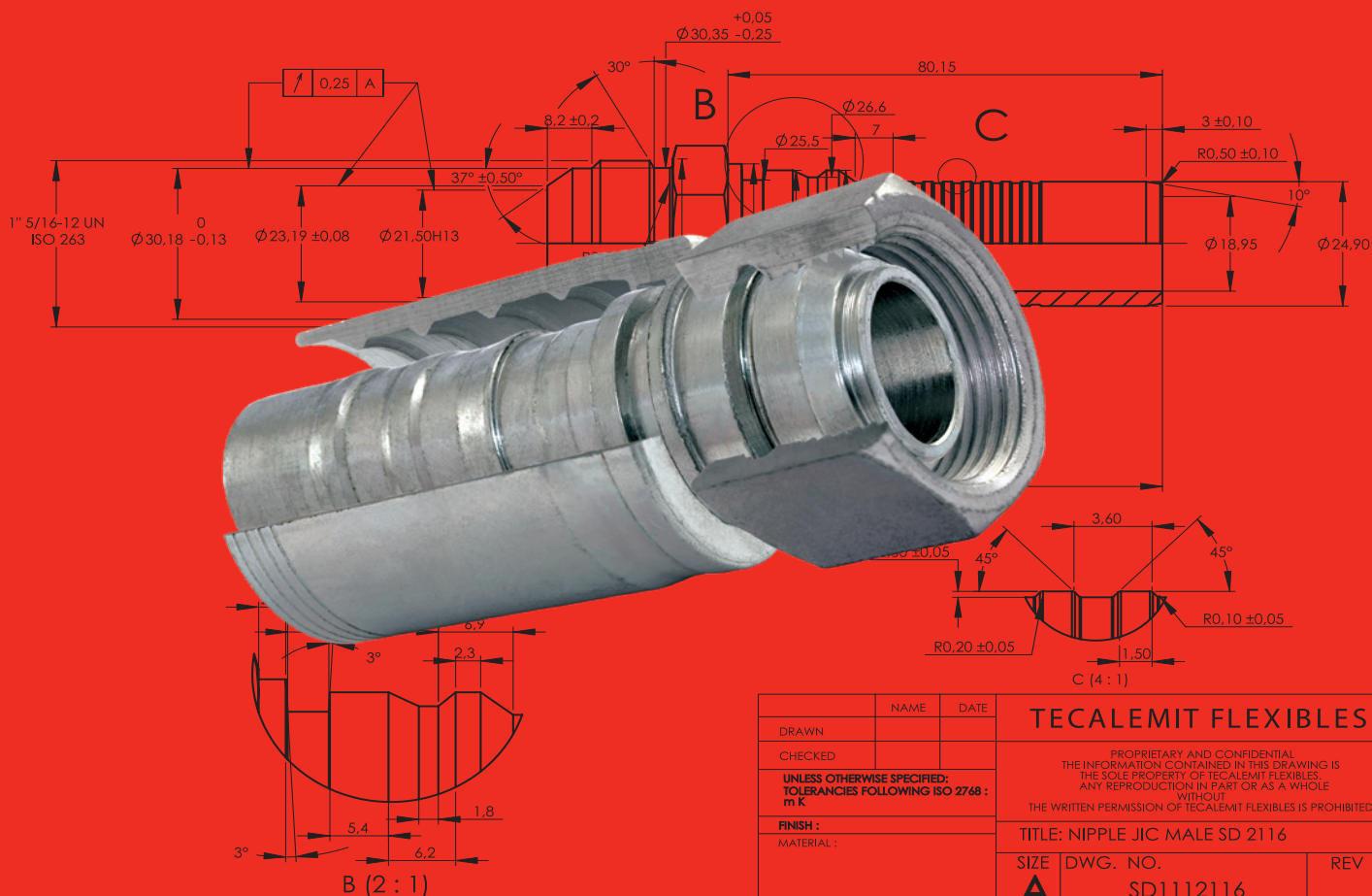


# Tecalemit flexibles™



Tenir au Temps

## SWAGE FITTINGS & FERRULES



DRAWN		NAME	DATE	<b>TECALEMIT FLEXIBLES</b>	
CHECKED					
UNLESS OTHERWISE SPECIFIED: TOLERANCES FOLLOWING ISO 2768 : m K				PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TECALEMIT FLEXIBLES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF TECALEMIT FLEXIBLES IS PROHIBITED.	
FINISH :				TITLE: NIPPLE JIC MALE SD 2116	
MATERIAL :				SIZE	DWG. NO.
				A	SD1112116
					REV





# Tecalemit flexibles™



Tenir au Temps

Tecalemit Flexibles®, with its strong brand name and patents, driven and supported by professionals, is your security-guaranteed supplier of flexible pipes and tubes, hoses and fittings provided by three departments.

## SEL Tecalemit™



Rubber hoses, PVC hoses,  
protection sheaths, fittings SEL  
TECALEMIT®

## flexibles Tecalemit™



Hydraulic hoses, protection sheaths,  
systeme of flexibles reassured  
Protocalan

## tubes Tecalemit™



Technical tubes, spiralled tubes,  
multitubes, connectors &  
accessories tubes





## Historic TECALEMIT FLEXIBLES®

E.Piquerez

J.Christe

Emile Piquerez had invented his famous forced lubrication with a simply attached coupler clip and given it the name "THÉCLA".

As for Joseph Christe, he had struck an agreement in the United States with the company "ALEMITE" through which the Piquerez patents were sold to this company for America in exchange for its own lubrication patents with bayonet connector for Europe.

This was the starting point of the company TECALEMIT, its offices, shops, workshops and service stations were setup by its two founders 18 Rue de Brunel in Paris in May 1922.

The name "TECALEMIT", a combination of "THÉCLA" and "ALEMITE", was to remind users of forced lubrication that they would find here devices by both brands.

Car owners came in their droves to get their lubricators replaced in only 15 or 20 minutes for just 100 Francs, which at the time was about £5 or \$20.

But TECALEMIT did not rest on its laurels. From the lubrication pump with a flexible hose and coupler clip, they moved on to the pushing pump with rigid hose and articulated clip, then onto LUB and ZERK lubrication, and finally to an even more perfected system that is still used today in almost all cars and machines built anywhere in the world: the "Hydraulic" system.

1946 saw the first "TELECAMIT" rubber hoses with crimped connections, then the flexible pipework "TECALEMIT-AEROQUIP" with dismountable connections were released in 1950, followed by flexible polyamide 11 pipes or flexible polyurethane 12 pipes that were manufactured in the Orly plant under the brand name Tecalan® from 1961.

In 1972, a factory fully dedicated to these products was built in Blois, where TECALEMIT FLEXIBLES® (brand registered in 1980) had its head office Avenue de Châteaudun.

In January 2006, all activities, except those dedicated to aerospace, were transferred to Pont l'Abbé, Route de Combrit, in Brittany.

Tecalemit Flexibles, ISO 9001 certified and with its approved economic operator status, offers a complete range of pipework and hoses with dismountable or crimped connections for remote hydraulic controls in addition to all the pneumatic tubes manufactured in Pont l'Abbé under the brands MANURIL®, MANULAN® and MALUFORM®.

All these devices were primarily designed for the automotive market but have also conquered aviation, railways, the marine, civil engineering and the industry as a whole.



Y. Tromelin

The sister companies Sel-Tecalemit and Tecamec are located only 800m away from the complete technical and sales offer.

Sel-Tecalemit designs and manufactures flexible elastomer hoses used to transfer fluids in industry. The company has approved economic operator status and is ISO 9001 certified and also benefits from authorisations from DREAL (French Environment, Development, and Housing Directorate) via its AFNOR certification to manufacture hoses for dangerous substances for clients in civil defence.

Tecamec manufactures connectors, hose caps and standoffs, as well as flexible hoses in stainless steel. These products are aimed at civil defence, welding, and energy industry (oil & gas, nuclear, off-shore rigs, FPSO LNG), civil engineering, sewers, and the steel industry.

Y. Tromelin , the President of TECALEMIT FLEXIBLES®

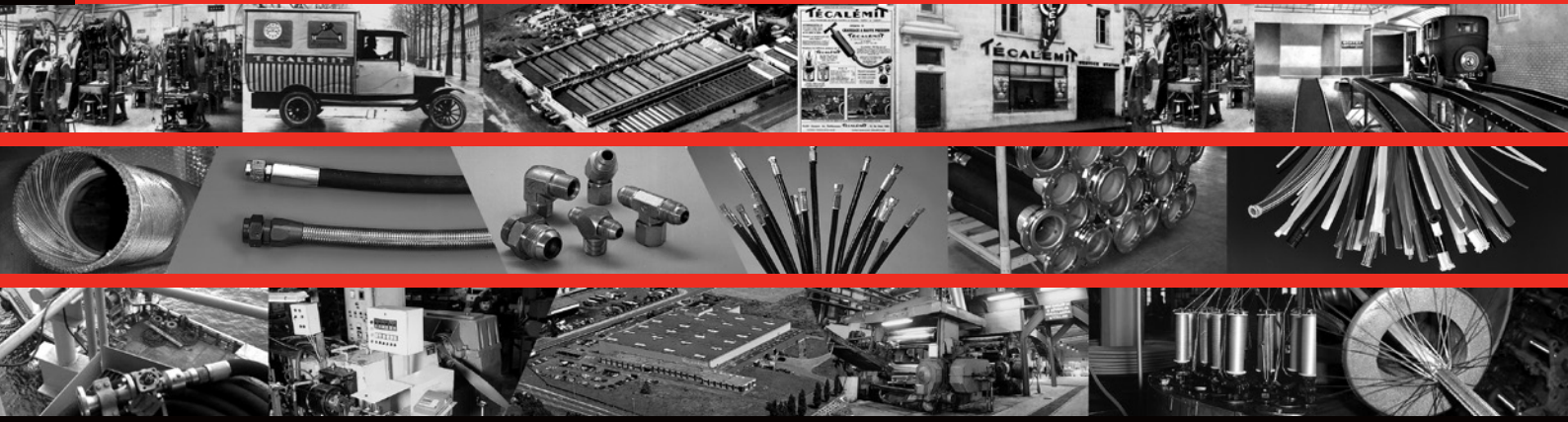
Aerial view of the town of Pont l'Abbé

Photo Credit Claude BUHANNIC

TECALEMIT FLEXIBLES® - Parc d'activités de Kernaria, 29120 Pont l'Abbé - France

Phone : (33) 02 98 82 48 48 - E-mail : [info@tecalemitle.com](mailto:info@tecalemitle.com)

“All the specifications are given as an indication , they may be updated in the interest of our customers“



## SUMMARY

FERRULES FOR STEEL-REINFORCED HOSES	5010	5013	5014	5020	5023	5080			
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	FERRULES FOR TEXTILE-REINFORCED HOSES								
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FERRULES FOR METAL CABLE LAYERS-REINFORCED HOSES									
5091	5692	5693	5093	5094	5096				
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B.S.P TAPER 60° CONE	S 321	SD 321	SC 321	B.S.P.P FLAT SEAL		S 331	S 421		
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## SUMMARY

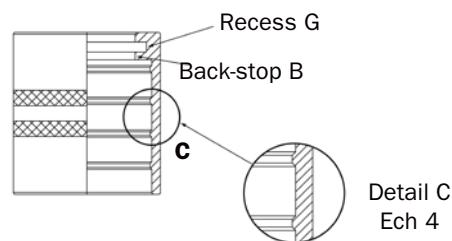
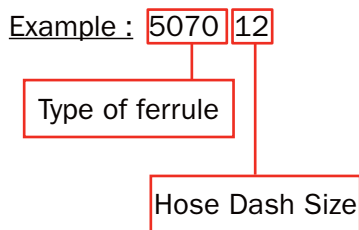
METRIC STAND-PIPE	S 511	S 512	S 513					
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METRIC DIN 60° CONE	S 611	S 711	S 712	S 713	S 714			
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BANJO	S 921	227	S 941	227				
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MISCELLANEOUS	S501/590/701	AQ TYPE	SPECIALS FITTINGS	COPPER SEALS/BS RING				
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## 1 TYPES OF FITTINGS AND FERRULES

### 1 1 Description of swage ferrules

#### 1 1 1 Ferrules for textile-reinforced hose

At the forward end of the ferrule, the recess G is designed to lock onto the collar of the hydraulic insert during swaging : the insert and the ferrule therefore become interdependent. Moreover, the back-stop B is designed to facilitate mounting and enhance reliability of the hose which cannot hinder the positioning of the collar during swaging. Barbs (detail C) are not very pronounced, so as not to damage either the textile structure of the hydraulic hose or its outer cover which is not skived before swaging.



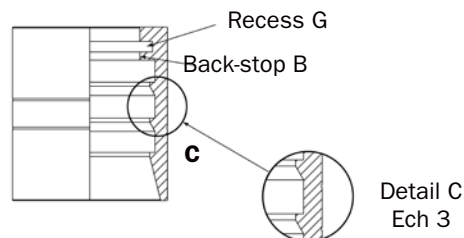
#### 1 1 2 Ferrules for steel-reinforced hoses with external skiving

At the forward end of the ferrule, the recess G is designed to lock onto the collar of the hydraulic insert during swaging : the insert and the ferrule therefore become interdependent. Moreover, the back-stop B is designed to facilitate mounting and enhance reliability of the hose which cannot hinder the positioning of the collar during swaging.

The barbs (detail C) , of a fir-tree shape, are pronounced without being sharp. These barbs bite into the steel braid or spiral of the hose which has been externally skived beforehand.

Swaging is considered correct when the internal bore of the hose insert has collapsed by several tenths of a millimeter according to recommendations by TECALEMIT FLEXIBLES® .

Example : 502012



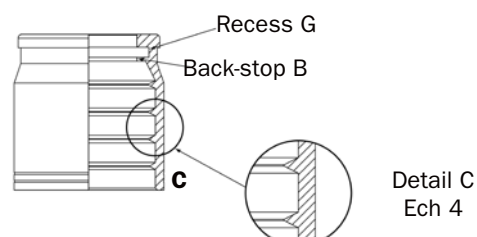
#### 1 1 3 Ferrules for steel-reinforced hose without external skiving

At the forward end of the ferrule, the recess G is designed to lock onto the collar of the hydraulic insert during swaging : the insert and the ferrule therefore become interdependent. Moreover, the back-stop B is designed to facilitate mounting and enhance reliability of the hose which cannot hinder the positioning of the collar during swaging.

The internal barbs (Detail C) are very pronounced and sharp. During swaging, these barbs bite through the rubber outer cover and into the steel braid or spiral of the hose.

Swaging is correct when the internal bore of the hose insert has collapsed by several tenths of a millimeter according to recommendations by TECALEMIT FLEXIBLES® .

Example : 502312





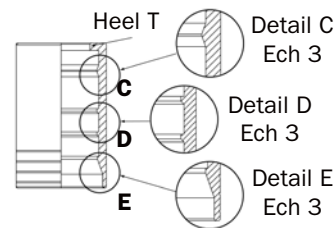
## 1 1 4 Ferrules for steel-reinforced hose with internal and external skiving

At the forward part of the ferrule, the heel T is designed to lock into the collar of the hydraulic insert during swaging in order to obtain an interdependent assembly. The boss (detail D) is destined to be swaged directly on to the high-tensile steel spirals, which have previously been skived on the inside and outside, locking them into a female recess on the tail of the hydraulic insert.

Resistance is of high quality, assembly being metal to metal.

The barbs (detail D) are designed to ensure sealing of the inner tube through external compression on the metal spirals. The back inner shape (detail E) of the ferrule is designed to ensure sealing between the ferrule and the outer rubber cover, in such a way as to prevent any external agent from corroding the metal reinforcement of the hose. Swaging is considered correct when the internal bore of the hose insert has collapsed by several tenths of a millimeter according to recommendations by **TECALEMIT FLEXIBLES®**.

Example : 569212



## 1 2 Use of different inserts

The Tecalemit Flexibles® range of swaged hose inserts is comprised of 4 different types : Each type is related to specific pressure applications.

TYPE "S"		Low, medium and high pressure
TYPE "SD"		High and very high pressure, with internal and external skive
TYPE "SC"		High and very high pressure, without internal skiving
TYPE "AQ"		Very high pressure for AQUABLAST hose

## 1 2 1 Type "S" : Low, medium and high pressure

These inserts are the most commonly used. The tail is long with pronounced barbs.

The latch area is simple, being comprised of a recess into which the forward part of the ferrule locks during swaging.

Types of Tecalemit Flexibles® hydraulic hose concerned (see catalogue 777-200) :

- Thermoplastic or textile-reinforced hose : T331, T610, T611, T622, T623, T710, T810, TTA, TTK, T711
- Thermoplastic or metal braided hoses : T110, T111, T116, T117, VKI, T121, T210, T211, T221
- Metal spiral hose : T911, T912



TYPE S  
WITHOUT SKIVING

TYPE S  
WITH EXTERNAL  
SKIVING

## 1 2 2 Type "SD": high and very high pressure

This range of fittings is exclusively designed for very high pressure applications as its assembly is quite complex, requiring both internal and external skiving.

The barbed tail is long with a profile commonly called "interlock", the barbs have a fir-tree layout with a bulbous forward part designed to maintain the steel layers of the hose's reinforcing structure.

The latch area is double : at the forward part of the ferrule, a recess into which the collar of the insert will lock and a bulbous ring inside the ferrule which compresses the reinforcing metal spirals into a corresponding depression on the insert.

Types of Tecalemit Flexibles® hydraulic hose concerned (see catalogue 777-200) :

- 4 or 6 steel spiral reinforced hose : T912, T915, T1310

**TYPE SD**  
WITH INTERNAL AND  
EXTERNAL SKIVE



## 1 2 3 Type "SC": high and very high pressure

This range of inserts does not require internal skiving for very high pressure hoses.

External skiving is only required on diameters 1"1/4, 1"1/2, 2" (32, 38 and 50mm) on hose types T911, T915, T1310.

For hose type T912, no internal skiving is required whatever the diameter.

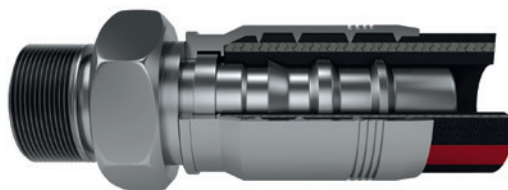
The tail is long with very pronounced barbs.

The latch area is very simple, comprised of a groove into which the forward part of the ferrule will lock.

Types of Tecalemit Flexibles® hydraulic hose concerned (see catalogue 777-200) :

- 4 or 6 steel spiral reinforced hose : T911, T912, T915, T1310

**TYPE SC**  
WITHOUT EXTERNAL  
SKIVING



**TYPE SC**  
WITH EXTERNAL  
SKIVING



## 1 2 4 Type "AQ": Very high pressure for AQUABLAST hose

These double-skive inserts are intended for Tecalemit Flexibles® hoses designed for industrial cleaning by water blasting at very high pressures.

The barbed tail is long with a profile commonly called "interlock", the barbs have a fir-tree layout with a bulbous forward part designed to maintain the steel layers of the hose's reinforcing structure.

The latch area is double : at the forward part of the ferrule, a recess into which the collar of the insert will lock and a bulbous ring inside the ferrule which compresses the reinforcing metal spirals into a corresponding depression on the insert.

Types of TECALEMIT FLEXIBLES hydraulic hose concerned (see catalogue 777-200) :

- 4 or 6 steel spiral reinforced hose : T961, T962, T1362

**TYPE AQ**  
WITH INTERNAL AND  
EXTERNAL SKIVING



## 2 CONSTRUCTION

All “S” and “SD” inserts are produced homogeneously in the ultra-modern Cast factories in Turin. The quality and repeatability levels are very high.

For each part, traceability is ensured by an engraved code, as follows:

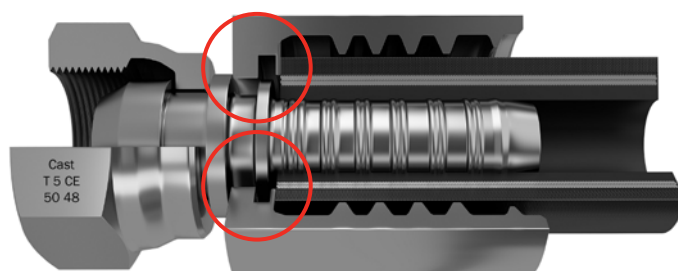
Cast – T 5 CE 50 48

T indicates the production plant, 5 the year of manufacturing, CE manufactured in Europe, 50 the type of steel, 48 the cast number.

Besides, the internal shape of the crimping sleeve guarantees, regardless of the diameter and the series, the correct position of the pipe relative to the connector.

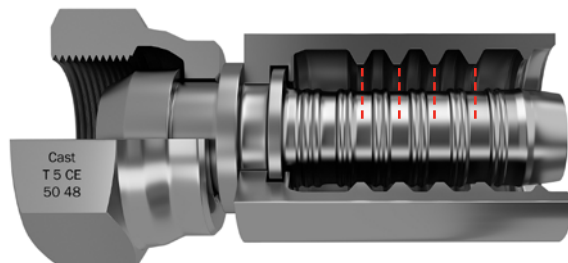
### **Easier fitting:**

To start with, the pipe is positioned effortlessly in the correct position on an internal stop in the crimping sleeve. The nipple is then inserted quickly and right down to its mechanical stop, without any risk of error.



### **Improved tightness:**

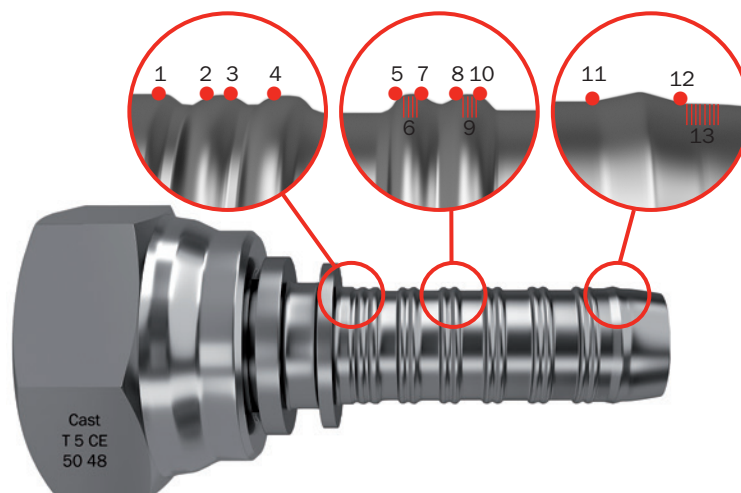
The risk of seepage disappears thanks to a perfect match between the internal shape of the crimping sleeves and that of the nipple.



The shape of the nipple has 3 different kinds of sealing points and pressure resistance that are ideally positioned. First, the 1-2-3-4 sealing points required for very difficult applications to prevent seepage.

Then, the series of pressure resistance surfaces, 6 and 9, surrounded by sealing points 5-7-8-10.

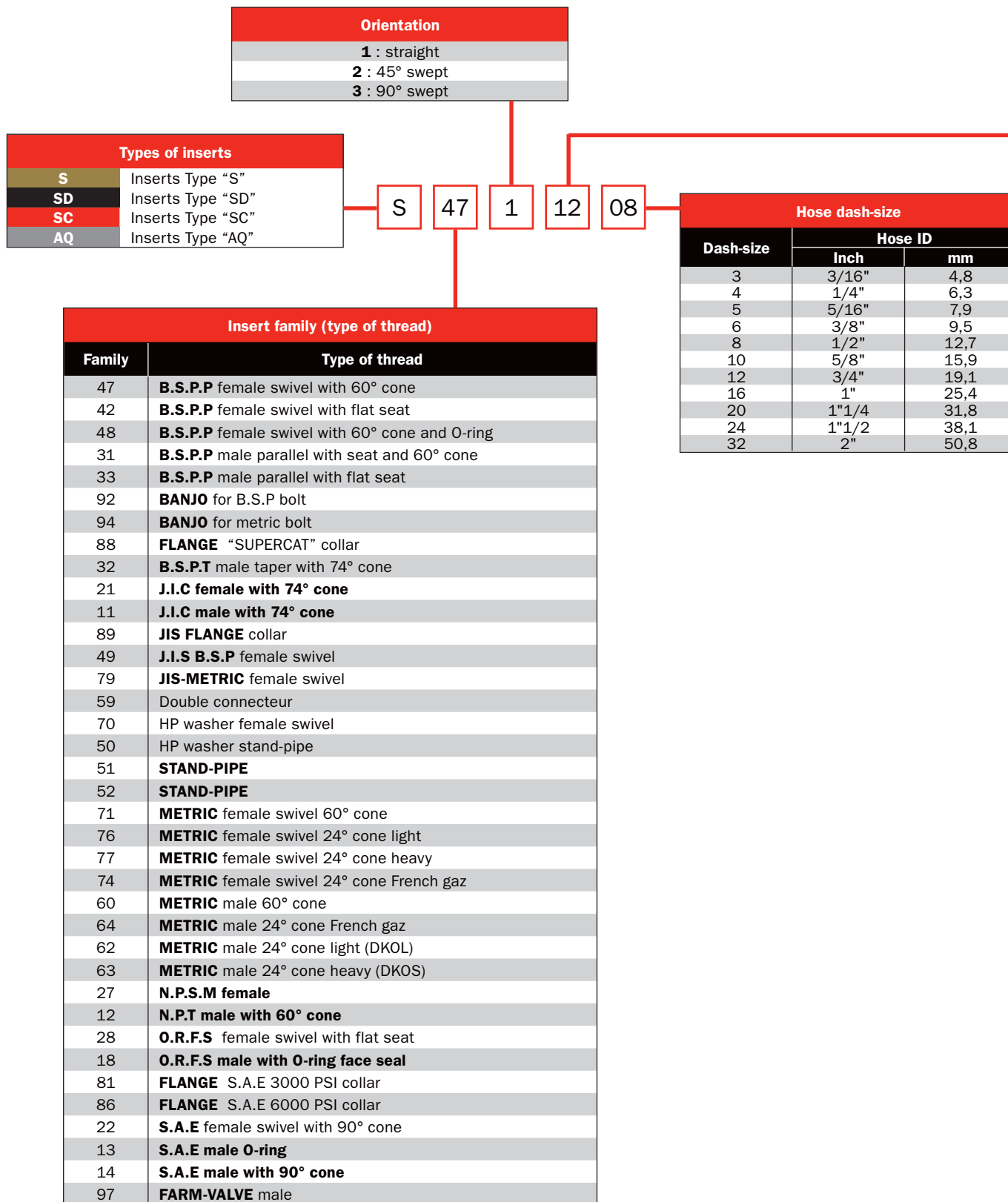
And finally, facing the last notch of the skirt that is less pronounced than the others, a cylindrical sealing shape that cannot alter the inner tube of the pipe.



## 3 PART NUMBERING SYSTEM

Example S 471 12 08 :

Straight 'S' type fitting, insert family 47 (female B.S.P), straight 1, dash-size 12 (3/4") for hose dash-size 08 (1/2").



# TECHNICAL GUIDE

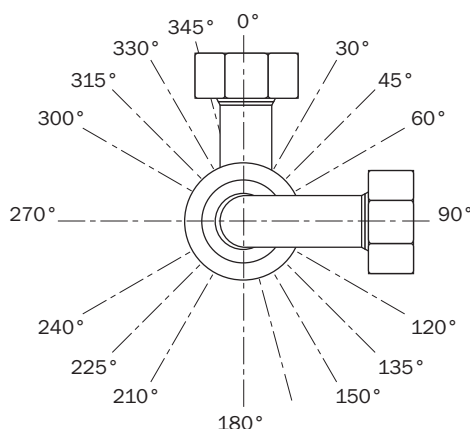
INSERT DASH-SIZE (thread or tube diameter)								
Dash	METRIC thread	METRIC DIN thread	B.S.P thread	J.I.C thread	FLANGE collar	O.R.F.S thread	N.P.T thread	S.A.E thread
2			1/8" - 28				1/8" - 27	
4			1/4" - 19			9/16" - 18	1/4" - 18	
6	M12X1,5		3/8" - 19			11/16" - 16	3/8" - 18	
7				7/16" - 20				7/16" - 20
8	M14X1,5		1/2" - 14	1/2" - 20	1/2"	13/16" - 16	1/2" - 14	1/2" - 20
9				9/16" - 18				9/16" - 18
10	M16X1,5	M10X1	5/8" - 14		5/8"	1" - 14		5/8" - 18
12	M18X1,5	M12X1,5	3/4" - 14	3/4" - 16	3/4"	1 3/16" - 12	3/4" - 14	3/4" - 16
13	M20X1,5							
14	M22X1,5	M14X1,5		7/8" - 14				7/8" - 14
15	M22X1,5							
16		M16X1,5	1" - 11		1"	1 7/16" - 12	1" - 11,5	
17	M24X1,5			1 1/16" - 12				1 1/16" - 12
18	M26X1,5	M18X1,5						
19				1 3/16" - 12				
20	M30X2	M20X1,5	1 1/4" - 11		1 1/4"	1 11/16" - 12	1 1/4" - 11,5	
21	M30X1,5			1 5/16" - 12				1 5/16" - 12
22	M30X2	M22X1,5						
24		M24X1,5	1 1/2" - 11		1 1/2"	2" - 12	1 1/2" - 11,5	
25	M36X2							
26		M26X1,5		1 5/8" - 12				
27	M36X1,5							
28	M36X2							
30	M42X2	M30X1,5		1 7/8" - 12				
32			2" - 11		2"		2" - 11,5	
33	M45X1,5							
35	M45X2							
36	M52X2	M38X1,5						
38				2 1/2" - 12	2 1/2"			
40	M52X2							
42		M45X1,5						

Dash	METRIC BANJO thread	B.S.P BANJO thread	METRIC STAND PIPE dia.	J.I.S B.S.P thread	J.I.S METRIC thread	HP WASHER thread	FARM VALVE thread
2		1/8"-28					
4		1/4"-19		1/4"			
6		3/8"-19	6	3/8"			
7							
8		1/2"-14	8	1/2"			
9							
10	M10X1	5/8"-14	10				
12		3/4"-14	12	3/4"			
13	M12X1,5						
14	M14X1,5		14		M14X1,5		
15			15				
16	M16X1,5	1"-11	16	1"	M16X1,5		
17							
18	M18X1,5		18		M18X1,5		M18X1,5
19							
20	M20X1,5		20	1 1/4"			
21							
22	M22X1,5		22	1 1/2"	M22X1,5	M22X1,5	
24					M24X1,5		
25			25				
26	M26X1,5						
27							
28			28				
30	M30X1,5		30		M30X1,5		
32							
33					M33X1,5		
35			35				
36					M36X1,5		
38			38				
40							
42			42		M42X1,5		

## 4 ORIENTATION

If the two bent couplings are not in the same plane, the angle will be defined according to the below drawing.



## 5 SELECTION OF FERRULES ACCORDING TO HOSE TYPE

Hose Type	Dia Int (inch)	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4	1"	1"1/4	1"1/2	2"
	Dia Int (mm)	4,8	6,4	7,9	9,5	12,7	15,9	19	25,4	31,8	38,1	50,8
	Dash	3	4	5	6	8	10	12	16	20	24	32
<b>Ferrule Part N° for insert type 'S'</b>												
<b>T 110</b> EN 853 1ST -R1A	501003	501004	501005	501006	501008	501010	501012	501016	501020	501024	501032	
<b>T 111</b> EN 853 1SN -R1T	501003 501303	501004 501304	501005 501305	501006 501306	501008 501308	501010 501310	501012 501312	501016 501316	501020 501320	501024 501324	501032 501332	
<b>T 121</b> EN 857 1SC		501404	501405	501406	501408	501410	501412	501416				
<b>T 210</b> EN 853 2ST -R2A	502003	502004	502005	502006	502008	502010	502012	502016	502020	502024	502032	
<b>T 211</b> EN 853 2SN -R2T	502003 502303	502004 502304	502005 502305	502006 502306	502008 502308	502010 502310	502012 502312	502016 502316	502020 502320	502024 502324	502032 502332	
<b>T 221</b> EN 857 2SC		501304	501305	501306	501308	501310	501312	501316				
<b>T 331</b> SAE 100 R 3		506004	506005	506006	506008	506010	506012	506016				
<b>T 410</b> SAE 100 R4							506012	506016	506020	506024	506032	
<b>T 610 -T611</b> EN 854 R6	506003	506004	506005	506006	506008	506010	506012	506016				
<b>T 710</b> EN 855 R7	507003	507004	507005	507006	507008	507010	507012	507016				
<b>T 711</b>	501303	501304	501305	501306	501308	501310	501312	501316				
<b>T 810</b> EN 855 R8	507003	507004	507005	507006	507008	507010	507012	507016				
<b>TTA</b>	507003 507103	507004 507104	507005	507006	507008							
<b>TTK</b>	507003 507103	507004 507104	507005	507006	507008							
<b>T 911</b> EN 856 4SP		509104		509106	509108	509110	509112	509116	509120	509124	509132	
<b>T 912</b> EN 856 4SH							509112	509116	509120	509124	509132	
<b>Ferrule Part N° for insert type "SD"</b>												
<b>T 912</b> EN 856 4SH							569212	569216	569220	569224	569232	
<b>T 1310</b> EN 856 R13							569212	569216	569320	569324	569332	
<b>T 915</b> EN 856 R15							569212	569216	569320	569324	569332	
<b>Ferrule Part N° for insert type "SC"</b>												
<b>T 911</b> EN 856 4SP							509312 509412	509316 509416	509620	509624	509632	
<b>T 912</b> EN 856 4SH							509312 509412	509316 509416	509320 509420	509324 509424	509332 509432	
<b>T 1310</b> EN 856 R13							509312 509412	509316 509416	509620	509624	509632	
<b>T 915</b> EN 856 R15							509312 509412	509316 509416	509620	509624		
<b>Ferrule Part N° for insert type "AQ"</b>												
<b>T 961</b> AQUABLAST		569704		569706	569708		569712	569716				
<b>T 962</b> AQUABLAST				569706	569708		569712					
<b>T 1362</b> AQUABLAST				569806	569808		509812	569816				

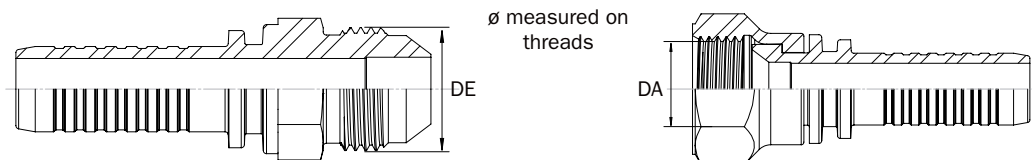
## 6 THREAD IDENTIFICATION

To identify the type and size of a thread, it is necessary to measure :

- either the external diameter of the thread (DE) when it is a male thread
- or the internal diameter of the thread (DA) when it is a female thread

In the case of a taper thread, the diameter should be measured at a distance G from the end of the thread.

The following table should then be consulted. In case of doubt, a thread gauge should be used to measure the pitch and angle of the threads.

**Identification of fittings according to thread diameters :**

Measured dimensions are identical for SD, SC and AQ ranges

# TECHNICAL GUIDE

DE or DA (MM)	MALE FITTING	FEMALE FITTING
8,7		S471 02
9		S711 10
9,6	S311 02 / S321 02	
9,9	S611 10	S211 07 / S216 07
10,5		S711 12 / S761 06
11	S111 07 / S141 07	
11,5		S211 08 / S216 08
11,7		S421 04 / S461 04 / S471 04 / S481 04 / S491 04
11,85	S611 12 / S621 12	
12,4		S711 14 / S791 14
12,55	S111 08	S761 08 / S771 06
12,67	S141 08	
12,9		S211 09 / S216 09 / S281 04
13	S311 04 / S321 04	
13,9	S611 14 / S621 08 / S631 06	
14,1	S111 09 / S181 04	
14,2	S141 09	
14,4		S221 10 / S711 16 / S791 16
14,5		S711 16 / S761 10 / S711 08
15,2		S421 06 / S461 06 / S471 06 / S481 06 / S491 06
15,85	S611 16 / S621 10 / S631 10	
15,9		S281 06
16,4		S711 18 / S761 12 / S771 10
16,5	S311 06 / S321 06	S711 18 / S791 18
17,3	S181 06	
17,5		S211 12 / S216 12
17,85	S611 18 / S621 12 / S631 10	
18,5		S711 20 / S741 13 / S771 12
18,9	S111 12	S421 08 / S461 08 / S471 08 / S481 08 / S491 08
19	S141 12	S281 08
19,85	S621 20 / S631 12 / S641 13	
20,5	S181 08	S211 14 / S216 14 / S701 22 / S711 22 S761 15 / S711 14 / S791 22
20,8	S311 08 / S321 08	
20,9		S421 10 / S471 10 / S481 10
21,85	S611 22 / S621 15 / S631 14	
22,1	S111 14	
22,18	S141 14	
22,5		S711 24 / S741 17 / S771 16 / S791 24
22,8	S311 10 / S321 10	
23,25		S281 10
23,85	S611 24 / S641 17 / S631 16	
24,4		S421 12 / S461 12 / S471 12 / S481 12 / S491 12
24,5		S711 26 / S761 18
25		S211 17 / S216 17 / S221 17
25,2	S181 10	
25,85	S611 26 / S621 18	
26,3	S311 12 / S321 12	
26,9	S111 17 / S141 17	
28		S281 12 / S761 22 / S771 20
28,5		S711 30/ S741 21 / S791 30
29,8	S621 22 / S631 20	
29,9	S181 12 / S611 30 / S641 21	
30	S111 19	
30,6		S421 16 / S461 16 / S471 16 / S481 16 / S491 16
31,3		S211 21 / S216 21
32,85		S791 33
33,1	S311 16 / S321 16	
33,2	S111 21	
33,3	S141 21	
34		S761 28 / S771 25
34,5		S281 16 / S741 27
35,8	S621 28 / S631 25 / S641 27	
36,3	S181 16	S791 36
36,5		S711 38
37,85	S611 38	
38,8		S211 26
39,2		S421 20 / S461 20 / S471 20 / S481 20
40		S771 30
40,9		S281 20
41,1	S111 26	
41,8	S311 20 / S321 20 / S631 30	S791 42
42,7	S181 20	
43		S761 35
43,5		S711 45 / S741 33
44,85	S611 45 / S621 35 / S641 33	
45		S421 24 / S471 24 / S481 24
45,4		S211 30
47,3	S311 24 / S321 24	
47,9	S311 30	
48,7		S281 24
50		S761 42 / S771 38
50,6	S181 24	
51,8	S621 42 / S631 38	
56,7		S421 32 / S471 32 / S481 32
59,3	S311 32 / S321 32	
61,2		S211 40
63,5	S111 40	

## 7 TYPES OF CONNECTIONS

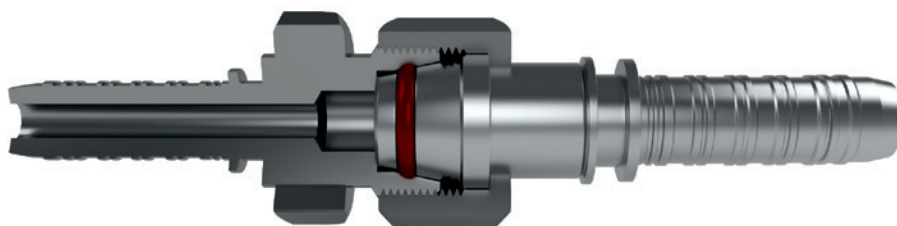
Equipment using the transfer of power through hydraulic oil are designed and manufactured throughout the world and, consequently, the hydraulic connections are made according to various standards, found even in the same country. The most common standards are described hereafter, with indications of the norms to which they belong.

### 7 1 METRIC type

#### 7 1 1 METRIC 24° cone according to ISO 12151-2

#### Sealing :

O-ring on male 24° cone inserted into 24° female cone.  
Concerns light (DKOL) and heavy (DKOS) series metric fittings.



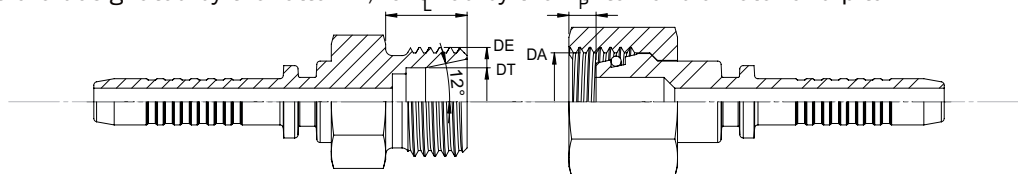
O-ring sealing  
24° cone

#### Connection :

Parallel metric thread, profile according to NFE-03-001 (identical to ISO 68-1), whose outer diameter is expressed in millimeters.

The profile of this thread is an equilateral triangle.

Metric threads are designated by the letter M, followed by their external diameter and pitch. Ex. : M12x1.5



METRIC DIN 24° cone L & S series

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4"	1"1/2"	1"3/4"	2"	2"1/2"	3"
<b>Light series</b>																		
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Male Thread Outer Diameter (DE)(mm)				12	14	16		18	22	26		30	36	45		52		
Fitting Length (L)				150	150	150		150	150	150		200	200	200		200		
Thread Length (L) (mm)				10	10	11		11	12	12		14	14	16		16		
Tube Outer Diameter (DT) (mm)				6	8	10		12	15	18		22	28	35		42		
Free Length (P) (mm)				2,5	2,5	3		3	5	4		4,5	6,5	8,5		8,5		
<b>Heavy series</b>																		
Male Thread Outer Diameter (DE)(mm)			14	16	18	20		22	24	30		36	42	52				
Fitting Length (L)			150	150	150	150		150	150	200		200	200	200				
Thread Length (L) (mm)			12	12	12	12		14	14	16		18	20	22				
Tube Outer Diameter (DT) (mm)			6	8	10	12		14	16	20		25	30	38				
Free Length (P) (mm)			3	3	3	5		5	5	6		7	7,5	8,5				

Sealing arrangements of both light and heavy series follow DIN 2353

#### Swage fittings METRIC 24° cone °:

S621 - Male METRIC 24° cone - light series

S761 - Female METRIC 24° cone o-ring - light series

S762 - Female METRIC 24° cone o-ring 45° swept elbow - light series

S763 - Female METRIC 24° cone o-ring 45° swept elbow - light series

S/SD/SC631 - Male METRIC 24° cone - heavy series

S/SD/SC771 - Female METRIC 24° cone - heavy series

S/SD/SC772 - Female METRIC 24° cone o-ring 45° swept elbow - heavy series

S/SD/SC773 - Female METRIC 24° cone o-ring 90° swept elbow - heavy series

AQ771 - Female METRIC 24° cone O-ring - heavy series

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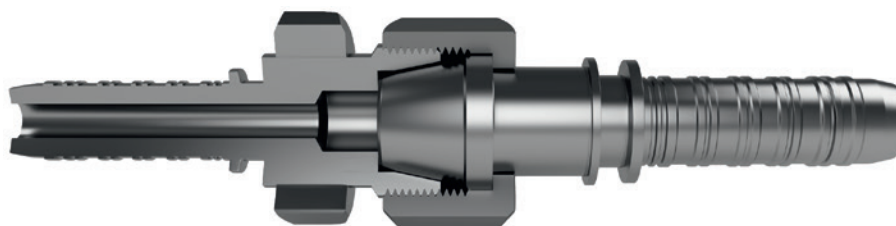
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## 7 1 2 METRIC French Gaz 24° cone

**Sealing :**

24° male cone into 24° female cone.



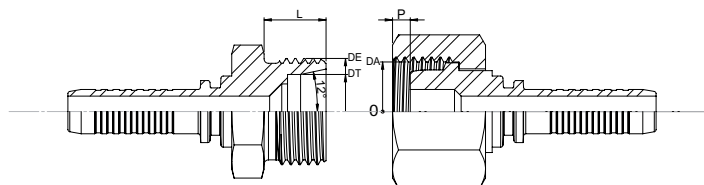
Metal to metal  
sealing  
24° Cone

**Connection :**

Parallel metric thread, profile according to NFE-03-001 (identical to ISO 68-1), whose outer diameter is expressed in millimeters.

The profile of this thread is an equilateral triangle.

Metric threads are designated by the letter M, followed by their external diameter and pitch. Ex. : M12x1.5



METRIC french N &amp; Gas series

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	3"
<b>N serie</b>																		
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Male Thread Outer Diameter (DE)(mm)		12	14	16	16	20	22	24	27	27	30	33	36	39	45	48	52	54
Fitting Length (L)		100	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	200
Thread Length (L) (mm)		12	12	12	12	12	12	12	14	14	14	14	14	14	16	16	16	16
Tube Outer Diameter (DT) (mm)		6	8	10	12	14	15	16	18	20	22	25	28	30	35	38	40	45
Free Length (P) (mm)		2,5	2,5	3	3	5	5	5	4	6	4,5	6	6,5	7	7	8,5	6	8,5
<b>GAZ serie</b>																		
Male Thread Outer Diameter (DE)(mm)				20				24		30		36	45	52		58		
Fitting Length (L)				150				150		150		150	150	150		200		
Thread Length (L) (mm)				12				14		16		16	16	16		16		
Tube Outer Diameter (DT) (mm)				13,2				16,8		21,2		26,8	33,5	42,2		48,5		
Free Length (P) (mm)				5				5		4,5		7	7	6		8,5		

Sealing arrangements of 'N' and GAZ series are French versions of the above standards

**Swage fittings METRIC French Gaz :**

S641 - Male METRIC french gaz 24° cone

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S741 - Female METRIC french gaz 24° cone

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S742 - Female METRIC french gaz 24° cone 45° swept elbow

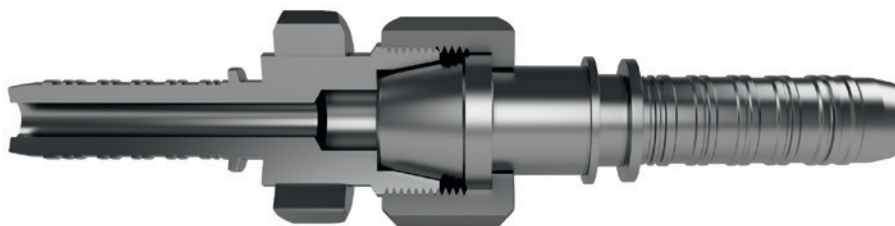
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S743 - Female METRIC french gaz 24° cone 90° swept elbow

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**7 1 3 METRIC 60° cone**
**Sealing :**

60° male cone into 60° female cone.



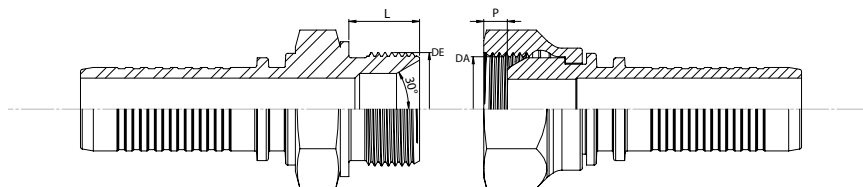
Metal to metal  
sealing  
60° Cone

**Connection :**

Parallel metric thread, profile according to NFE-03-001 (identical to ISO 68-1), whose outer diameter is expressed in millimeters.

The profile of this thread is an equilateral triangle.

Metric threads are designated by the letter M, followed by their external diameter and pitch. Ex. : M12x1.5.



METRIQUE 60° cone																		
Circuit	1/16	1/8	3/16	1/4	5/16	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Male Thread Outer Diameter (DE)(mm)				12	14	16		18	22	26		30	38	45	52	65	78	90
Fitting Length (L)				150	150	150		150	150	150		150	150	150	150	200	200	200
Thread Length (L) (mm)				10	10	10		10	12	12		12	14	14	14	17	17	23
Female thread inner diameter (DA) (mm)				10,5	12,5	14,5		16,5	20,5	24,5		28,5	36,5	43,5	50,5	62,9	75,9	87,9
Free Length (P) (mm)				2,5	2,5	3		3	5	4		5,5	7	8	7,5	9,5	9,5	15

60° cone sealing arrangements follow DIN 7611 and 7606

**Swage fittings METRIC 60° cone :**

S611 - Male DIN 60° cone

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S711 - Female DIN 60° cone

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S712 - Female DIN 60° cone crimped nut 45° swept elbow

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S713 - Female DIN 60° cone crimped nut 90° swept elbow

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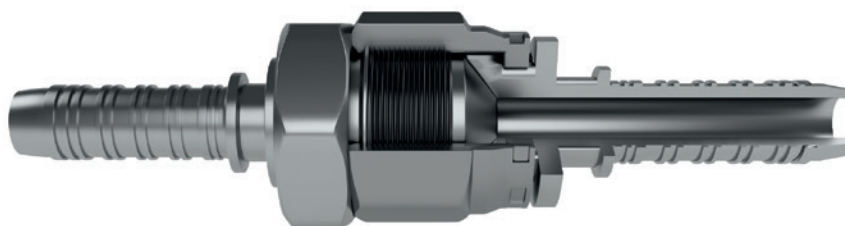
S714 - Female DIN 60° cone crimped nut 90° swept elbow - O-ring - compact

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## 7 2 J.I.C (joint industrial council) according SAE J514

### Sealing :

74° male cone on 74° female cone.

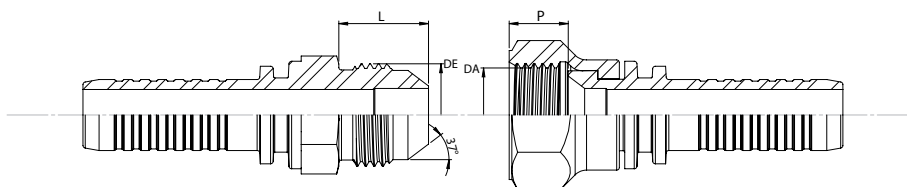


Metal to metal  
sealing  
74° Cone

### Connection :

Parallel normalised according to ASME B1.1 (ex-SELLERS) and ISO 263, whose external diameter is expressed in inch and its pitch in threads per inch.

The profile of this thread is an equilateral triangle.



JIC																		
Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4"	1"1/2"	1"3/4"	2"	2"1/2"	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)		5/16"	3/8"	7/16"	1/2"	9/16"		3/4"	7/8"	1"1/16"	1"3/16"	1"5/16"	1"5/8"	1"7/8"		2"1/2"	3"	3"1/2"
Thread family		UNF	UNF	UNF	UNF	UNF		UNF	UNF	UN		UN	UN	UN		UN	UN	UN
Number of Threads per inch		24	24	20	20	18		16	14	12	12	12	12	12		12	12	12
Male Thread Outer Diameter (DE)(mm)		7,9	9,5	11,1	12,7	14,2		19	22,2	26,9	30,1	33,3	41,2	47,6		63,5	76,2	88,9
Fitting Length (L)		11,3	12,3	13,9	13,9	14,1		16,6	19,2	21,9	22,6	23,1	24,3	27,5		33,8	45	45
Female thread inner diameter (DA) (mm)		6,7	8,3	9,7	11,3	12,7		17,3	20,2	24,6	27,8	31	38,9	45,3		61,2	74,1	86,5
Free Length (P) (mm)		8,4	8,7	8,7	9,5	9,5		10,7	12,7	14,2	14,6	15	15,8	18,6		23,8	20,2	22,2
Pitch (mm)		1,05	1,05	1,27	1,27	1,41		1,58	1,81	2,11	2,11	2,11	2,11	2,11		2,11	2,11	2,11

### Swage fittings J.I.C :

S/SD/SC111 - Male JIC 74° cone

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S/SD/SC211 - Female JIC 74° cone

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S/SD/SC212 - Female JIC 74° cone 45° swept elbow

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S/SD/SC213 - Female JIC 74° cone 90° swept elbow

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S214 - Female JIC 74° cone 90° swept elbow - Compact

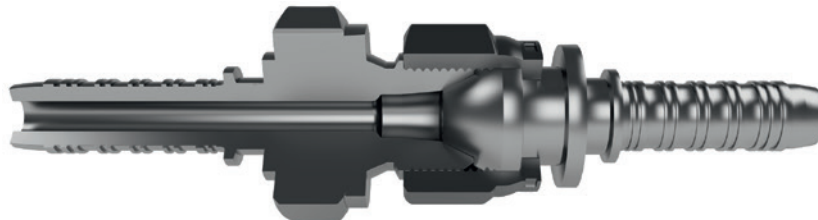
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7 3 B.S.PP (British Standard Pipe) according BS 5200

7 3 1 B.S.PP (British Standard Pipe) 60° cone

### Sealing:

60° male cone into 60° female cone.

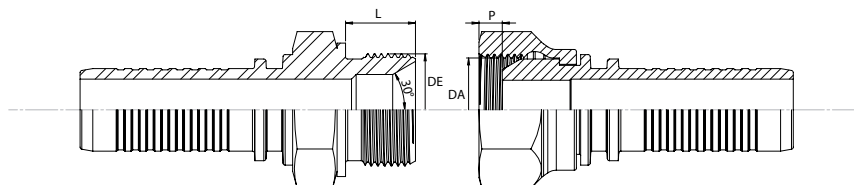


Metal to metal  
sealing  
60° Cone

### Connection :

Parallel Whitworth thread according to BS 2779 (equivalent to French standard NFE 03-005), whose thread is expressed in threads per inch.

The profile of this thread is an isosceles triangle with a flank angle of 55° and truncated top and bottom. This thread inspired the French Gaz thread.



BSP 60° cone

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)		1/8"		1/4"		3/8"		1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	
Number of Threads per inch		28		19		19		14	14	14	14	11	11	11	11	11	11	
Common appellation		5/10		8/13		12/17		15/21	16/23	20/27	24/31	26/34	33/42	40/49	45/55	50/60	66/76	
Pitch (mm)		0,9		1,33		1,33		1,81	1,81	1,81	1,81	2,3	2,3	2,3	2,3	2,3	2,3	
Male Thread Outer Diameter (DE)(mm)		9,7		13,1		16,6		20,9	22,9	26,4	30,2	33,2	41,9	47,8	53,7	59,6	75,2	
Thread Length (L) (mm)		11,4		11,4		12,7		15,2	17,7	19	19	20,3	21,1	21,6	22,2	22,2	30	
Female thread inner diameter (DA) (mm)		8,5		11,4		14,9		18,6	20,6	24,1	27,9	30,3	38,9	44,8	50,8	56,6	72,2	
Free Length (P) (mm)		4,3		5		6,8		8,1	8,4	9,6	10,3	11,3	12,4	12,4	12,4	12,4	20	

### Swage fittings B.S.P.P 60° cone :

S311 - Male B.S.P.P 60° cone

S471 - Female B.S.P.P 60° cone swept elbow

S472 - Female B.S.P.P 60° cone 45° swept elbow

S473 - Female B.S.P.P 60° cone 90° swept elbow

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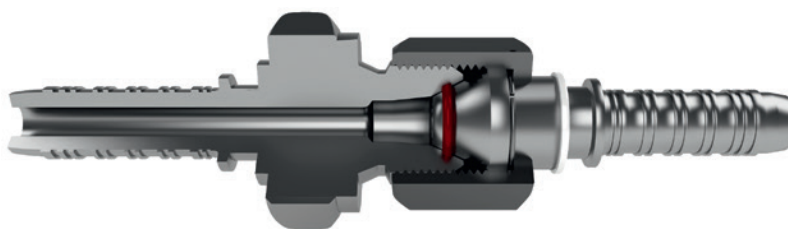
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## 7 3 2 B.S.PP (British Standard Pipe) 60° cone with O-ring

### Sealing :

O-ring on 60° male cone into 60° female cone.

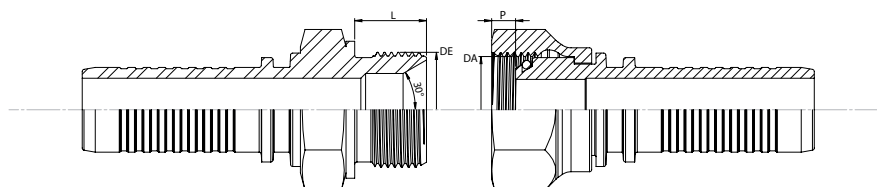


Etanchéité  
O-ring  
Cone 60°

### Connection :

Parallel Whitworth thread according to BS 2779 (equivalent to French standard NFE 03-005), whose thread is expressed in threads per inch.

The profile of this thread is an isosceles triangle with a flank angle of 55° and truncated top and bottom. This thread inspired the French Gaz thread.



**BSPP 60° cone with O-ring**

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)		1/8"		1/4"		3/8"		1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	
Number of Threads per inch		28		19		19		14	14	14	14	11	11	11	11	11	11	
Common appellation		5/10		8/13		12/17		15/21	16/23	20/27	24/31	26/34	33/42	40/49	45/55	50/60	66/76	
Pitch (mm)		0,9		1,33		1,33		1,81	1,81	1,81	1,81	2,3	2,3	2,3	2,3	2,3	2,3	
Male Thread Outer Diameter (DE)(mm)		9,7		13,1		16,6		20,9	22,9	26,4	30,2	33,2	41,9	47,8	53,7	59,6	75,2	
Thread Length (L) (mm)		11,4		11,4		12,7		15,2	17,7	19	19	20,3	21,1	21,6	22,2	22,2	30	
Female thread inner diameter (DA) (mm)		8,5		11,4		14,9		18,6	20,6	24,1	27,9	30,3	38,9	44,8	50,8	56,6	72,2	
Free Length (P) (mm)		4,3		5		6,8		8,1	8,4	9,6	10,3	11,3	12,4	12,4	12,4	12,4	20	

### Swage fittings B.S.PP 60° cone :

SD/SC311 - Male B.S.PP 60° cone

S/SD/SC481 - Female B.S.PP 60° cone O-ring - thrust-wire nut

S/SD/SC482 - Female B.S.PP 60° cone O-ring - thrust-wire nut - 45° swept elbow

S/SD/SC483 - Female B.S.PP 60° cone O-ring - thrust-wire nut - 90° swept elbow

S484 - Female B.S.PP 60° cone 90° swept elbow - O-ring - compact

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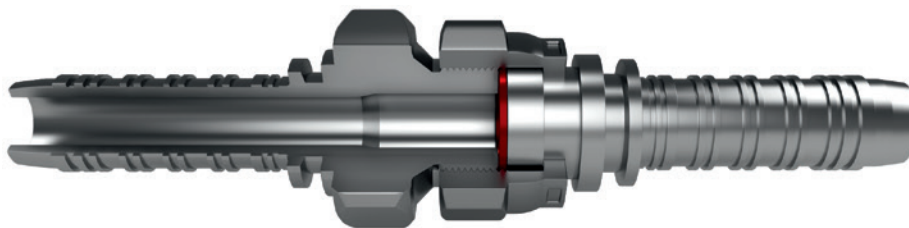
pages 54/57/59

pages 55/57/59

page 55

**7 3 3 B.S.PP (British Standard Pipe) flat seat**
**Sealing :**

Compression of a joint between two machined flat surfaces.

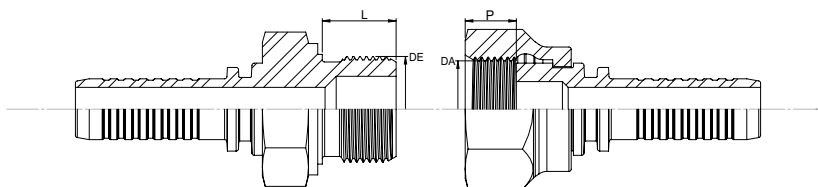


Flat seat  
sealing

**Connection :**

Parallel Whitworth thread according to BS 2779 (equivalent to French standard NFE 03-005), whose thread is expressed in threads per inch.

The profile of this thread is an isosceles triangle with a flank angle of 55° and truncated top and bottom. This thread inspired the French Gaz thread.



**BSP flat seat**

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)				1/4"		3/8"		1/2"	5/8"	3/4"		1"						
Number of Threads per inch				19		19		14	14	14		11						
Common appellation				8/13		12/17		15/21	16/23	20/27		26/34						
Pitch (mm)				1,33		1,33		1,81	1,81	1,81		2,3						
Male Thread Outer Diameter (DE)(mm)				13,1		16,6		20,9	22,9	26,4		33,2						
Thread Length (L) (mm)				11		12		14	16	16		19						
Female thread inner diameter (DA) (mm)				11,4		14,9		18,6	20,8	24,1		30,3						
Free Length (P) (mm)				8		10,6		11,1	12	14		15						

**Swage fittings B.S.PP flat seat :**

S331 - Male B.S.PP flat seat

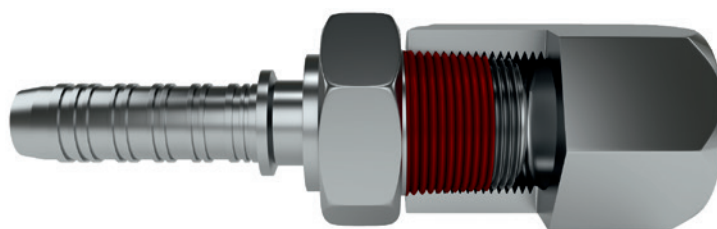
page 62

S421 - Female B.S.PP flat seat

page 62

**7 3 4 B.S.PT (British Standard Pipe) taper 60° cone**
**Sealing :**

Mating of threads combined with sealing tape or liquid.



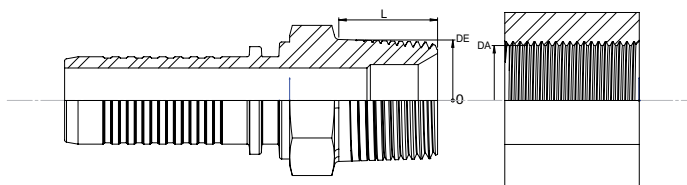
Sealing by tape or liquid  
11,25° cone

**Connection :**

Parallel Whitworth thread according to BS 21 (equivalent to NFE 03-004, EN 10226 and ISO 7), whose pitch is expressed in threads per inch.

The thread is machined to a 6.25% taper.

This system is widely used in France.



BSPT taper 60° cone																		
Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)		1/8"		1/4"		3/8"		1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Number of Threads per inch		28		19		19		14	14	14	14	11	11	11	11	11	11	11
Common appellation		5/10		8/13		12/17		15/21	16/23	20/27	24/31	26/34	33/42	40/49	45/55	50/60	66/76	80/90
Pitch (mm)		0,9		1,33		1,33		1,81	1,81	1,81	1,81	2,3	2,30	2,30	2,30	2,30	2,30	2,3
Male Thread Outer Diameter (DE)(mm)		10		13,6		17,1		21,6	23,6	27,1	30,8	34	42,7	48,6	54,4	60,5	76,2	88,9
Thread Length (L) (mm)		9		12,5		13		17	18	18,5	20	21	23,5	23,5	28	28	32	35
Female thread inner diameter (DA) (mm)		8,5		11,4		14,9		18,6	20,6	24,1	27,9	30,3	38,9	44,8	50,9	56,6	72,2	84,9

**Swage fittings B.S.P.T taper 60° cone :**

S/SD/SC 321 - Male B.S.P.T taper 60° cone

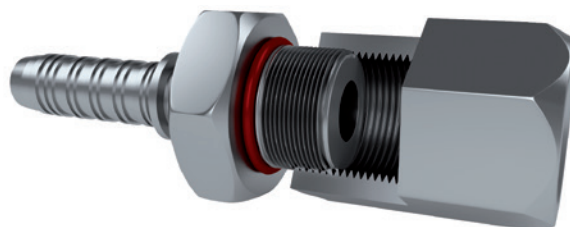
pages 60/61

7 4 SAE (Society of Automotive Engineers) flat seat according to SAE J516

7 4 1 SAE (Society of Automotive Engineers) flat seat according to SAE J516

### Sealing :

By compression of an O-ring.

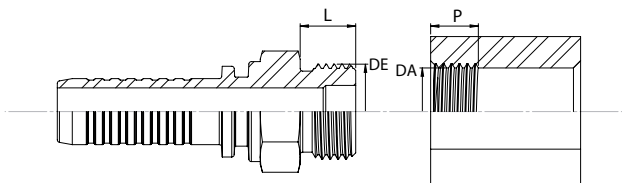


Etanchéité  
O-ring

### Connection :

Parallel thread normalised according to ASME B1.1 (ex-SELLERS) and ISO 263, whose external diameter is expressed in inches and pitch in threads per inch.

The thread profile is that of an equilateral triangle.



SAE flat seat

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4"	1"1/2"	1"3/4"	2"	2"1/2"	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)				7/16"		9/16"		3/4"	7/8"	1"1/16"	1"3/16"	1"5/8"						
Thread family				UNF		UNF		UNF	UNF	UN	UN	UN						
Number of Threads per inch				20		18		16	14	12	12	12						
Male Thread Outer Diameter (DE)(mm)				11,1		14,2		19	22	26,9	30,1	41,2						
Thread Length (L) (mm)				13,9		14,1		16,6	19,2	21,9	22,6	24,3						
Female thread inner diameter (DA) (mm)				9,7		12,7		17,3	20,2	24,6	27,8	38,9						
Free Length (P) (mm)				8,7		9,5		10,7	12,7	14,2	14,6	15,8						
Pitch (mm)				1,27		1,41		1,58	1,81	2,11	2,11	2,11						

### Swage fittings S.A.E face plate :

S141 - SAE flat seat O-ring

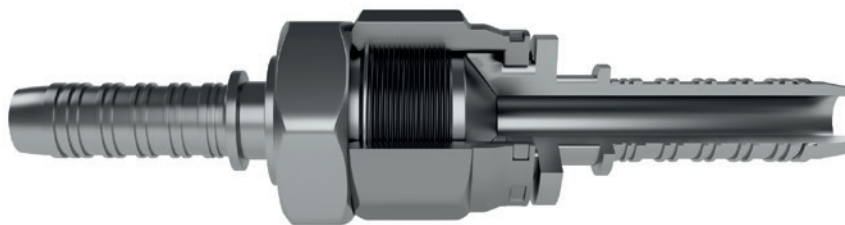
page 104



7 4 2 SAE (Society of Automotive Engineers) according to SAE J516 with 90° cone

### Sealing :

90° male cone on 90° female cone.



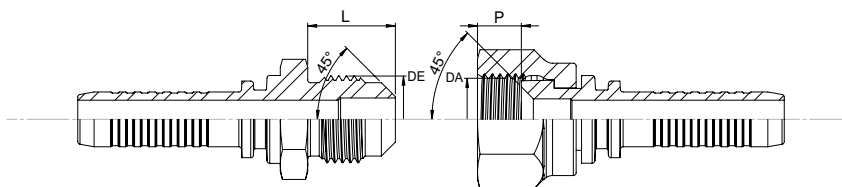
Metal to metal  
sealing  
90° Cone

### Connection :

Parallel thread normalised according to ASME B1.1 (ex-SELLERS) and ISO 263, whose external diameter is expressed in inches and pitch in threads per inch. The thread profile is that of an equilateral triangle.

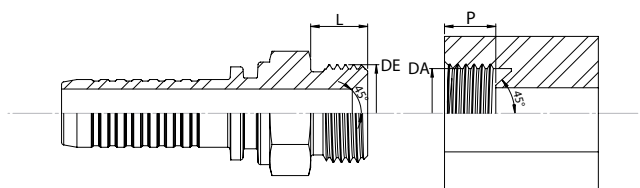
NOTE : SAE type fittings are only used up to dash size 12 inclusive.

Despite their close resemblance to JIC type, except for their sealing cone angle, dash sizes 6 and 12 are not common to the two systems. Dash size 6 differs by diameter and pitch and dash size 12 by pitch.



SAE 90° cone thread type

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)			3/8"	7/16"	1/2"	5/8"		3/4"	7/8"	1"1/16								
Thread family			UNF	UNF	UNF	UNF		UNF	UNF	UNS								
Number of Threads per inch			24	20	20	18		16	14	14								
Male Thread Outer Diameter (DE)(mm)			9,5	11,1	12,7	15,8		19	22,2	26,9								
Thread Length (L) (mm)			11,1	13,9	14,6	15,8		19	22,2	25,4								
Female thread inner diameter (DA) (mm)			8,3	9,7	11,3	14,3		17,3	20,2	24,9								
Free Length (P) (mm)			8,6	8,3	9,5	10,6		13,4	14,6	14,6								
Pitch (mm)			1,05	1,27	1,27	1,41		1,58	1,81	1,81								



SAE inverted 90° cone type

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)		5/16"	3/8"	7/16"	1/2"	5/8"	11/16"	3/4	7/8"	1"1/16								
Number of Threads per inch		28	24	24	20	18	18	18	18	16								
Male Thread Outer Diameter (DE)(mm)		7,9	9,5	11,1	12,7	15,8	17,4	19	22,2	26,9								
Thread Length (L) (mm)		8,1	9,1	9,1	10,1	10,1	11,2	11,7	12,2	13,7								
Female thread inner diameter (DA) (mm)		6,9	8,4	9,9	11,3	14,3	15,9	17,5	20,7	25,3								
Free Length (P) (mm)		4,7	5,1	5,1	5,9	6,7	7,5	7,9	8,33	9,1								
Pitch (mm)		0,9	1,05	1,05	1,27	1,41	1,41	1,41	1,41	1,58								

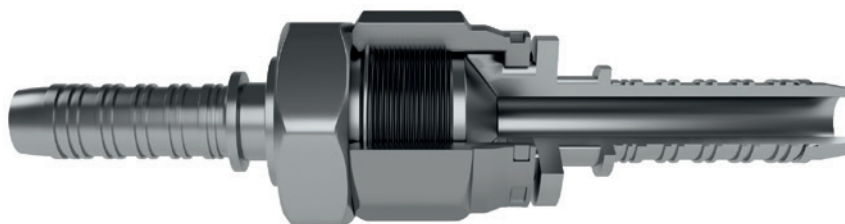
### Swage fittings S.A.E 90° cone :

S131 - Male S.A.E 90° cone	page 104
S221 - Female S.A.E 90° cone	page 104
S222 - Female SAE 90° cone 45° swept elbow	page 104
S223 - Female SAE 90° cone 90° swept elbow	page 104

## 7 5 Type J.I.S (Japanese Industrial Standard) suivant JIS B8363

### Sealing :

60° male cone on 60° female cone.



Metal to metal  
sealing  
60° Cone

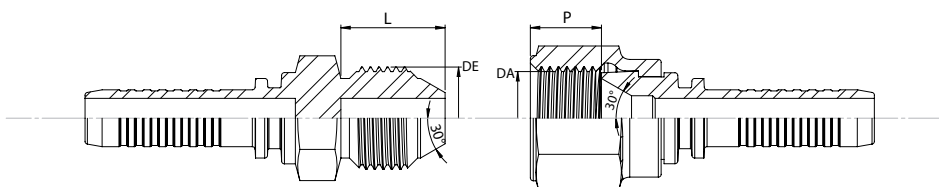
### Connection :

parallel Whitworth thread according to BS 5200 (French equivalent NFE 03-005) whose pitch is expressed in threads per inch.

The thread profile is that of an isosceles triangle with 55° angle crest and rounded truncation.

NOTE : A resemblance can be noted with JIC and SAE types.

The metric JIS type uses the same sealing arrangement but with a metric thread.



#### KOMATSU JIS

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Male Thread Outer Diameter (DE)(mm)					14	16		18	22	24		30	33	36				
Fitting Length (L)					150	150		150	150	150		150	150	150				
Thread Length (L) (mm)																		
Female thread inner diameter (DA) (mm)					12,5	14,5		16,5	20,5	22,5		28,5	31,5	34,5				
Free Length					10,5	9,5		11,5	14	15		18,3	21,3	20				

#### TOYOTA JIS

Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)				1/4"		3/8"		1/2"		3/4"		1"						
Number of Threads per inch				19		19		14		14		11						
Male Thread Outer Diameter (DE)(mm)				13,1		16,6		20,9		26,4		33,2						
Thread Length (L) (mm)				16		17,5		20		21,5		24						
Female thread inner diameter (DA) (mm)				11,4		14,9		18,6		24,1		30,3						
Free Length (P) (mm)				8		10		11		12,5		14,5						
Pitch (mm)				1,33		1,33		1,81		1,81		2,3						

### Swage fittings J.I.S :

S491 - Female JIS B.S.P 60° cone

S791 - Female JIS METRIC 60° cone

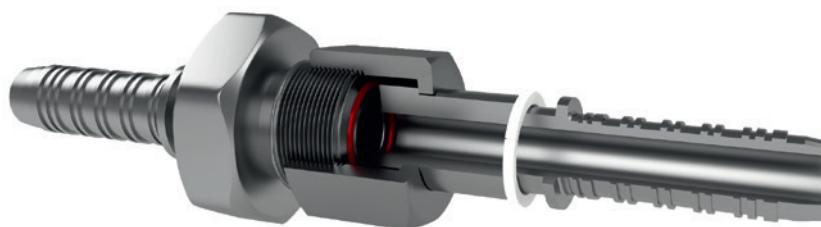
page 100

page 100

## 7 6 O.R.F.S (O-ring & flat seat) according SAE J516

### Sealing :

By compression of a joint lodged in a groove on a machined face against a flat seat.



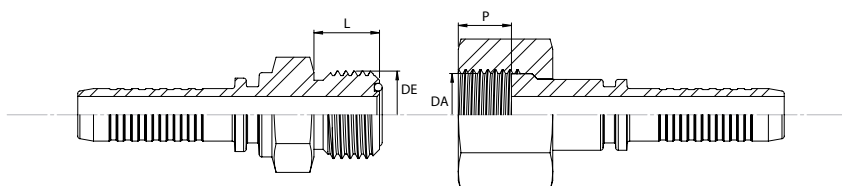
Sealing  
by O-ring

### Connection :

Parallel thread normalised according to ASME B1.1 (ex-SELLERS) and ISO 263, whose external diameter is expressed in inches and its pitch in threads per inch.

The profile of the thread is an equilateral triangle.

Dating back to the late 1980's, this sealing arrangement was designed to eliminate leaks due to vibrations and various other constraints on earth-moving equipment.



ORFS																		
Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)				9/16		1"1/16		1"3/16	1"	1"3/16		1"7/16	1"11/16	2"				
Number of Threads per inch				18		16		16	14	12		12	12	12				
Male Thread Outer Diameter (DE)(mm)				14,3		17,5		20,6	25,4	30,2		36,5	42,8	50,8				
Thread Length (L) (mm)				9,8		11,2		12,8	15,5	17		17,5	17,5	17,5				
Female thread inner diameter (DA) (mm)				12,7		15,7		18,9	23,5	27,9		34,2	40,6	48,5				
Free Length (P) (mm)				8,2		9,5		11	13,5	14,5		14,8	14,8	14,8				
Pitch (mm)				1,41		1,58		1,58	1,81	2,11		2,11	2,11	2,11				

### Swage fittings O.R.F.S :

S/SD/SC181 - Male O.R.F.S

pages 46/48/50

S/SD/SC281 - Female O.R.F.S

pages 46/48/50

S/SD/SC282 - Female O.R.F.S 45° swept elbow

pages 47/49/51

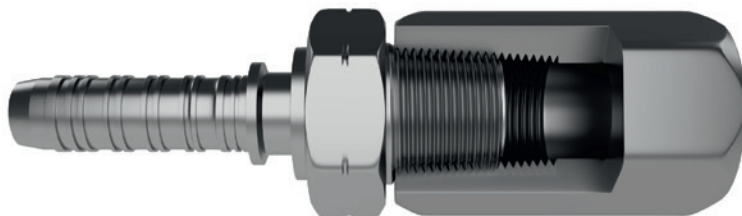
S/SD/SC283 - Female O.R.F.S 90° swept elbow

pages 47/49/51

## 7 7 N.P.T (National Pipe Thread) according SAE J516

### Sealing :

ensured by tight contact of male and female thread flanks (metal to metal) induced by tapered finish.

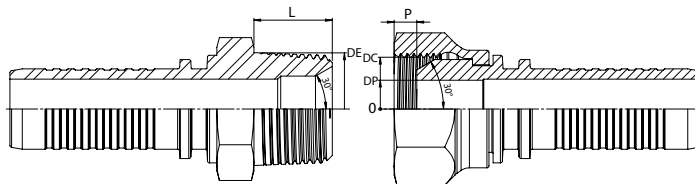


Metal to metal  
sealing  
12,5° Cone

### Connection :

thread normalised according to ASME and ANSI B1.20.1 (in France NFE 03-601), tapered slope of 6.25%, for both male and female threads, usually expressed in inches and pitch in threads per inch.

The thread profile is that of an equilateral triangle with a peak angle of 60° and salient truncation (sometimes wrongly called Briggs).



NPT																		
Circuit	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1"1/4	1"1/2	1"3/4	2"	2"1/2	3"
Dash	1	2	3	4	5	6	7	8	10	12	14	16	20	24	28	32	40	48
Thread Size (pouce)	1/16"	1/8"		1/4"		3/8"		1/2"		3/4"		1"	1"1/4	1"1/2		2"	2"1/2	3"
Number of Threads per inch	27	27		18		18		14		14		11 1/2	11 1/2	11 1/2		11 1/2	8	8
Pitch (mm)	0,94	0,94		1,41		1,41		1,81		1,81		2,21	2,21	2,21		2,21	3,18	3,18
Male Thread Outer Diameter (DE)(mm)	8	10,4		13,8		17,3		21,6		26,9		33,7	42,4	48,6		60,6	73,5	89,3
Thread Length (L) (mm)	9,5	9,5		14,3		14,3		19		19		23,8	24,6	25,4		26,2	38,5	40,1
Ø perçage (DP)	6,3	8,3		10,7		14,3		17,5		22,6		28,6	37,3	44,1		56,4	67,1	82,9
Ø alesage conique (DC)	6,6	8,8		11,4		15,1		18,5		23,6		29,8	38,6	44,8		56,8	68,5	84,4
Longueur de perçage (P)	11,7	11,7		17		17,3		22,9		23,1		28,9	29,4	29,4		30	46,8	48,4

### Swage fittings N.P.T :

S/SD/SC121 - Male N.P.T 60° cone

AQ 121 - Male N.P.T 60° cone

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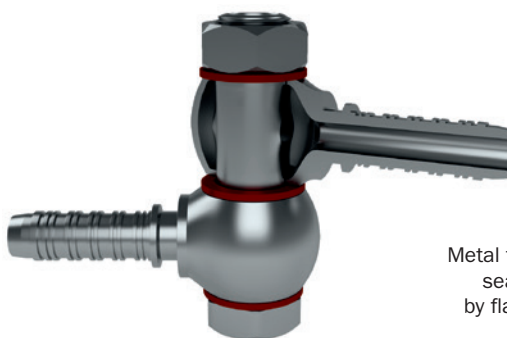
## 7 8 BANJO type

**Sealing :**

By flat joint each side of banjo.

**Connection :**

By metric or imperial threaded hollow bolt



Metal to metal  
sealing  
by flat joint

**Swage fittings Banjo :**

S921 - B.S.P banjo page 96

S941 - Metric banjo page 97

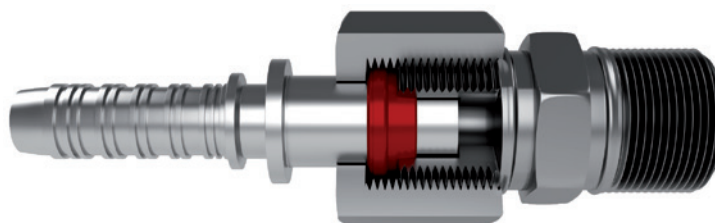
## 7 9 STAND-PIPE type

**Sealing :**

By compression of a ring on the tube into a female 24° cone.

**Connection :**

ISO profile parallel metric thread.



Sealing  
by metal ring

**Swage fittings Stand-pipe :**

S511 - Metric Stand-Pipe page 61

S512 - Metric Stand-Pipe 45° swept elbow page 62

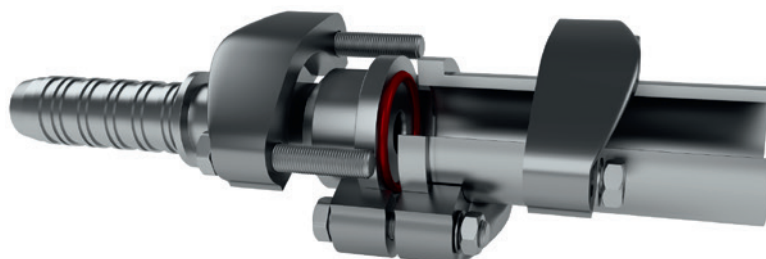
S513 - Metric Stand-Pipe 90° swept elbow page 63

S521 - French Gaz Stand-Pipe page 102

## 7 10 Flange collar type according to SAE J516

**Sealing :**

By O-ring lodged in a groove machined into the collar



Sealing  
by O-ring

**Swage fittings flanges:**

S/SD/SC811 - 3000 PSI SAE J518 flange straight pages 80/82/84

S/SD/SC812 - 3000 PSI SAE J518 flange 45° swept elbow pages 80/82/84

S/SD/SC813 - 3000 PSI SAE J518 flange 90° swept elbow pages 81/83/85

S/SD/SC861 - 6000 PSI SAE J518 flange straight pages 86/88/90

S/SD/SC862 - 6000 PSI SAE J518 flange 45° swept elbow pages 86/88/90

S/SD/SC863 - 6000 PSI SAE J518 flange 90° swept elbow pages 87/89/91

SD/SC881 - "SUPERCAT" flange straight pages 92/94

SD/SC882 - "SUPERCAT" flange 45° swept elbow pages 92/94

SD/SC883 - "SUPERCAT" flange 90° swept elbow pages 93/95

## 8 TORQUE VALUES (N/M)

Nominal thread diameter	Fittings		
	B.S.P	J.I.C	O.R.F.S
	471/472/473	211/212/213	261/262/263
1/8"	15 N/m		
1/4"	20 N/m		
3/8"	34 N/m		
7/16"		15 N/m	
1/2"	60 N/m	20 N/m	
9/16"		30 N/m	25 N/m
5/8"	69 N/m		
11/16"			40 N/m
3/4"	115 N/m	50 N/m	
13/16"			55 N/m
7/8"		69 N/m	
1"	140 N/m		60 N/m
1"1/16		98 N/m	
1"3/16		118 N/m	90 N/m
1"1/4	500 N/m		
1"5/16		140 N/m	
1"7/16			125 N/m
1"1/2	600 N/m		
1"11/16			170 N/m
1"5/8		230 N/m	
1"7/8		380 N/m	
2"	700 N/m		200 N/m
2"1/2		460 N/m	

Tube diameter (mm)	Fittings		
	French Gaz	'L' Series	'S' Series
	741/742/743	761/762/763	771/772/773
6		20 N/m	38 N/m
8		38 N/m	45 N/m
10		45 N/m	51 N/m
12		51 N/m	58 N/m
13	40 -50 N/m		
14			74 N/m
15		74 N/m	
16			74 N/m
17	70 -80 N/m		
18		105 N/m	
20			135 N/m
21	80 -120 N/m		
22		135 N/m	
25			166 N/m
27	120 -210 N/m		
28		166 N/m	
30			240 N/m
33	210 -240 N/m		
35		290 N/m	
38			330 N/m
42	240 -270 N/m	330 N/m	
49	280 -340 N/m		

## 9 STEELS USED FOR THE CONNECTORS

The connectors offered by TECALEMIT FLEXIBLES are manufactured from carbon steel or stainless steels of type ANSI 316 Ti (DIN 1.4571 - AFNOR X6 Cr Ni Mo Ti 17 12 2) or ANSI 316L (DIN 1.4404 - AFNOR X2 Cr Ni Mo 17 12 2) meeting the most demanding quality requirements and coming from the best steel mills in Europe.

When the request is made at the time of the order, TECALEMIT is able to supply with the batches of connectors the following control documents, as per standard NF EN 10204 :

- Certificate Type 2.2: Control statement in which the manufacturer declares that the delivered products comply with the requirements of the order, and to which test results are added.

The tests control a product given specifications and manufacturing process.

NOTE: The controlled products are not necessarily the delivered products.

- Certificate Type 3.1: Inspection certificate 3.1 in which the manufacturer states that the delivered products comply with the requirements of the order and to which test results of the controlled sample of the delivered products are added.

Standard surface treatment:

TECALEMIT FLEXIBLES carbon steel connectors have a Chrome VI-free electrolytic galvanizing type surface treatment to comply with RoHS (2002/95 / EC), RoHS II (2011/65 / EU) and REACH (1907/2008 / EC).

The thickness of the applied surface treatment is between 8 and 12 µm in order to guarantee an average resistance of 400 hours to red rust (salt spray test according to ISO 9227 NSS, control criteria according to ISO 10289).

The connectors produced with this type of surface treatment are silver grey.

Reinforced surface treatments:

On request, a Zinc Nickel type surface treatment (electrolytic application of pure zinc alloy and 12-15% nickel) may also be offered.

This surface treatment provides excellent resistance to corrosion and oxidation (resistance to red rust between 750 and 1000 hours after tests according to ISO 9227 NSS, control criteria according to ISO 10289).

The connectors produced with this type of surface treatment are matte grey in color.

Other surface treatments are available on request.



Standard Zinc treatment



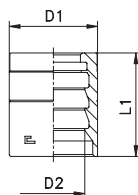
Zinc-Nickel treatment

# SWAGE FITTINGS & FERRULES



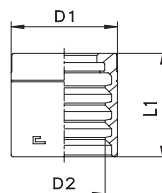
# FERRULES FOR "S" TYPE INSERTS

**5010**

 FOR "S"  
TYPE INSERT

**FERRULES FOR STEEL-REINFORCED HOSES**
**EXTERNAL SKIVE**

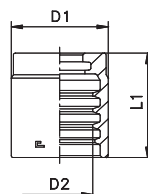
Part N°	Hose inner diameter			Dimensions (mm)			Skive length	Usable on hose type
	Dash	Inch	DN	D1	D2	L1		
501003	3	3/16"	5	16	9,9	23,5	16	T111 - T113
501004	4	1/4"	6	19	12,7	25,5	18	T111 - T113 - T221
501005	5	5/16"	8	21	14	26,5	17,5	T111 - T113 - T221
501006	6	3/8"	10	23	16,3	27	18,5	T111 - T113 - T221
501008	8	1/2"	12	28	19,8	29	19,5	T111 - T113 - T221
501010	10	5/8"	16	31	23	32	22,5	T111 - T113 - T221
501012	12	3/4"	19	35	27,1	36	25	T111 - T113 - T221
501016	16	1"	25	42	34	44,5	32	T111 - T113 - T221
501020	20	1" 1/4	31	50	41,6	48	33,5	T111 - T113
501024	24	1" 1/2	38	56	47,9	55	39	T111 - T113
501032	32	2"	51	70	61,2	63	45,5	T111 - T113

**5013**

 FOR "S"  
TYPE INSERT

**FERRULES FOR STEEL-REINFORCED HOSES**
**NON-SKIVE**

Part N°	Hose inner diameter			Dimensions (mm)			Usable on hose type
	Dash	Inch	DN	D1	D2	L1	
501303	3	3/16"	5	18	12,2	23,5	T111 - T113 - T711
501304	4	1/4"	6	19	13,9	25,5	T111 - T113 - T711 - T221
501305	5	5/16"	8	21	15,5	26,5	T111 - T113 - T711 - T221
501306	6	3/8"	10	23	17,7	27	T111 - T113 - T711 - T221
501308	8	1/2"	12	27,5	21,2	29	T111 - T113 - T711 - T221
501310	10	5/8"	16	31	24,4	32	T111 - T113 - T221
501312	12	3/4"	19	35	28,3	36	T111 - T113 - T221
501316	16	1"	25	43	36,5	44,5	T111 - T113 - T221
501320	20	1" 1/4	31	51	44,5	48	T111 - T113
501324	24	1" 1/2	38	58	51,2	55	T111 - T113

**5014**

 FOR "S"  
TYPE INSERT

**FERRULES FOR STEEL-REINFORCED HOSES**
**NON-SKIVE**

Part N°	Hose inner diameter			Dimensions (mm)			Usable on hose type
	Dash	Inch	DN	D1	D2	L1	
501404	4	1/4"	6	20	14,2	25	T121
501405	5	5/16"	8	22	16	26	T121
501406	6	3/8"	10	24	18,2	26	T121
501408	8	1/2"	12	27	21	28	T121

Nota: for a stainless steel item, please add «C» at the end of the reference.

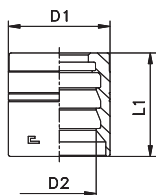
All the specifications are given as an indication, they may be updated in the interest of our customers.



# FERRULES FOR "S" TYPE INSERTS

## FERRULES FOR STEEL-REINFORCED HOSES

### EXTERNAL SKIVE



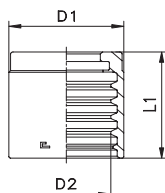
**5020**

FOR "S"  
TYPE INSERT

Part N°	Hose inner diameter			Dimensions (mm)			Skive length	Usable on hose type
	Dash	Inch	DN	D1	D2	L1		
502003	3	3/16"	5	19	11,7	23,5	16	T211 - T213 - T214
502004	4	1/4"	6	20	13,7	25,5	18	T211 - T213 - T214
502005	5	5/16"	8	23	15,6	26,5	17,5	T211 - T213 - T214
502006	6	3/8"	10	24,5	17,8	27	18,5	T211 - T213 - T214
502008	8	1/2"	12	29	21,3	29	19,5	T211 - T213 - T214
502010	10	5/8"	16	33	24,3	32	22,5	T211 - T213 - T214
502012	12	3/4"	19	37	28,5	36	25	T211 - T213 - T214
502016	16	1"	25	45	35,8	44,5	32	T211 - T213 - T214
502020	20	1" 1/4	31	55	45,2	48	33,5	T211 - T213 - T214
502024	24	1" 1/2	38	61	51,5	55	39	T211 - T213 - T214
502032	32	2"	51	74	64,6	63	45,5	T211 - T213 - T214

## FERRULES FOR STEEL-REINFORCED HOSES

### NON-SKIVE



**5023**

FOR "S"  
TYPE INSERT

Part N°	Hose inner diameter			Dimensions (mm)			Usable on hose type
	Dash	Inch	DN	D1	D2	L1	
502303	3	3/16"	5	20,5	13,8	23,5	T211 - T213 - T214
502304	4	1/4"	6	22	16	26,1	T211 - T213 - T214
502305	5	5/16"	8	24	17,5	27,6	T211 - T213 - T214
502306	6	3/8"	10	26	19,8	30	T211 - T213 - T214
502308	8	1/2"	12	30	23	32,5	T211 - T213 - T214
502310	10	5/8"	16	34	26,5	35	T211 - T213 - T214
502312	12	3/4"	19	38	30	40,2	T211 - T213 - T214
502316	16	1"	25	48	38,6	50,2	T211 - T213 - T214
502320	20	1" 1/4	31	57	48,4	47	T211 - T213 - T214
502324	24	1" 1/2	38	65	55,3	58	T211 - T213 - T214
502332	32	2"	51	78	68,2	66,5	T211 - T213 - T214

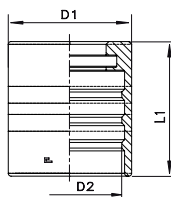
Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# FERRULES FOR "S" TYPE INSERTS

**5060**

FOR "S"  
TYPE INSERT



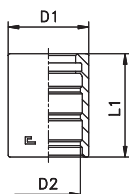
FERRULES FOR TEXTILE-REINFORCED HOSES

NON-SKIVE

Part N°	Hose inner diameter			Dimensions (mm)			Usable on hose type
	Dash	Inch	DN	D1	D2	L1	
506004	4	1/4"	6	19	15,2	24	T410 - T610 - T611
506005	5	5/16"	8	22	18,5	24	T410 - T610 - T611
506006	6	3/8"	10	24	20	25	T410 - T610 - T611
506008	8	1/2"	12	28,5	25,2	27	T410 - T610 - T611
506010	10	5/8"	16	32	27,9	30	T410 - T610 - T611
506012	12	3/4"	19	38	32,8	33	T410 - T610 - T611
506016	16	1"	25	46	39,6	47	T410 - T610 - T611
506020	20	1" 1/4	31	52	46,1	53	T410 - T610 - T611
506024	24	1" 1/2	38	60	53	61	T410 - T610 - T611
506032	32	2"	51	73	65,5	64	T410 - T610 - T611

**5070**

FOR "S"  
TYPE INSERT



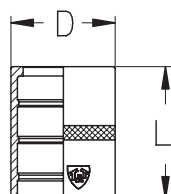
FERRULES FOR TEXTILE-REINFORCED HOSES

NON-SKIVE

Part N°	Hose inner diameter			Dimensions (mm)			Usable on hose type
	Dash	Inch	DN	D1	D2	L1	
507003	3	3/16"	5	14	10,6	24	T 710 - TTK - TTKF - TTA - TTAF
507004	4	1/4"	6	17	13,4	25,5	T 710 - TTK - TTKF - TTA - TTAF
507005	5	5/16"	8	19	15,2	26,5	T 710 - TTK - TTKF - TTA - TTAF
507006	6	3/8"	10	21	16,7	27	T 710 - TTK - TTKF - TTA - TTAF
507008	8	1/2"	12	25,5	20,8	29	T 710 - TTK - TTKF
507010	10	5/8"	16	28,5	24	32	T 710
507012	12	3/4"	19	32	27,5	36	T 710
507016	16	1"	25	40	34,5	44,5	T 710

**5071**

FOR "S"  
TYPE INSERT



FERRULES FOR TEXTILE-REINFORCED HOSES

NON-SKIVE

Part N°	Hose inner diameter			Dimensions (mm)		Usable on hose type
	Dash	Inch	DN	D	L	
507103	3	3/16"	5	12	27	TTA - TTK
507104	4	1/4"	6	16	29	TTA - TTK

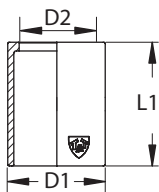
Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# FERRULES FOR "S" TYPE INSERTS

## FERRULES FOR STEEL-REINFORCED HOSES

NON-SKIVE



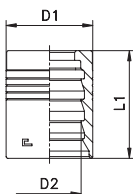
5080

FOR "S"  
TYPE INSERT

Part N°	Hose inner diameter			Dimensions (mm)			Usable on hose type
	Dash	Inch	DN	D1	D2	L1	
508003	03	3/16"	5	13	9,5	24	THP1 - THP2 - THP3
508004	04	1/4"	6	15	11,2	28,1	THP1 - THP2 - THP3
508005	05	5/16"	8	16	13,5	32,1	THP1 - THP2 - THP3
508006	06	3/8"	10	19	15,4	32,1	THP1 - THP2 - THP3
508008	8	1/2"	12	25	20,2	32,1	THP1 - THP2 - THP3
508010	10	5/8"	16	30	25	35,8	THP1 - THP2 - THP3
508012	12	3/4"	19	34	28,1	39,2	THP1 - THP2 - THP3
508016	16	1"	25	41,8	36,5	51	THP1 - THP2 - THP3

## FERRULES FOR METAL CABLE LAYERS-REINFORCED HOSES

EXTERNAL SKIVE



5091

FOR "S"  
TYPE INSERT

Part N°	Hose inner diameter			Dimensions (mm)			Skive length	Usable on hose type
	Dash	Inch	DN	D1	D2	L1		
509104	4	1/4"	6	22	15,4	30	23	T911
509106	6	3/8"	10	25	18,2	31	23,5	T911
509108	8	1/2"	12	29	21,6	35	26,5	T911
509110	10	5/8"	16	33	25	38	28,5	T911
509112	12	3/4"	19	38	29,2	43	32	T911
509116	16	1"	25	45	36,2	58	44,5	T911
509120	20	1" 1/4	31	52	43	64	49	Nous consulter
509124	24	1" 1/2	38	60	50	72	56	Nc
509132	32	2"	51	75	64,3	81	63,5	Nc

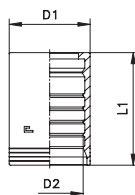
Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# FERRULES FOR "SD" TYPE INSERTS

**5692**

FOR "SD"  
TYPE INSERT



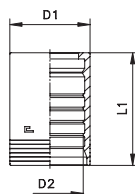
FERRULES FOR METAL CABLE LAYERS-REINFORCED  
HOSES

INTERNAL & EXTERNAL SKIVE

Part N°	Hose inner diameter			Dimensions (mm)			Skive length		Usable on hose type
	Dash	Inch	DN	D1	D2	L1	Outer	Inner	
569212	12	3/4"	19	38	30	60	48	15	T912 - T914 - T915
569216	16	1"	25	46	37,5	74,5	61	17	T912 - T914 - T915
569220	20	1" 1/4	31	55	43,9	88	70	22	T912 - T914
569224	24	1" 1/2	38	62	51,3	94	79	22,5	T912 - T914
569232	32	2"	51	79,5	66	99	83	30	T912 - T914

**5693**

FOR "SD"  
TYPE INSERT



FERRULES FOR METAL CABLE LAYERS-REINFORCED  
HOSES

INTERNAL & EXTERNAL SKIVE

Part N°	Hose inner diameter			Dimensions (mm)			Skive length		Usable on hose type
	Dash	Inch	DN	D1	D2	L1	Outer	Inner	
569320	20	1" 1/4	31	60	49,5	88	70	22	T915
569324	24	1" 1/2	38	67	56	94	79	22,5	T915
569332	32	2"	51	84,5	71	99	83	30	T915

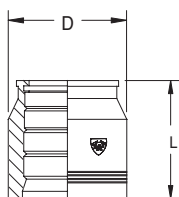
Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# FERRULES FOR "SC" TYPE INSERTS

FERRULES FOR METAL CABLE LAYERS-REINFORCED  
HOSES

NON-SKIVE



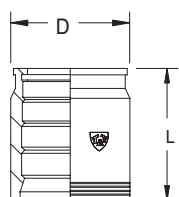
**5093**

FOR "SC"  
TYPE INSERT

Part N°	Hose inner diameter			Dimensions (mm)		Usable on hose type
	Dash	Inch	DN	D	L	
509312	12	3/4"	20	43	50	T911 - T912 - T914
509316	16	1"	25	51	56	T911 - T912 - T914
509320	20	1"1/4	32	61	68	T911 - T912 - T914
509324	24	1"1/2	40	70	86	T911 - T912 - T914
509332	32	2"	50	85	100	T911 - T912 - T914

FERRULES FOR METAL CABLE LAYERS-REINFORCED  
HOSES

EXTERNAL SKIVE



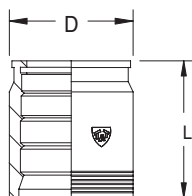
**5094**

FOR "SC"  
TYPE INSERT

Part N°	Hose inner diameter			Dimensions (mm)		Usable on hose type
	Dash	Inch	DN	D	L	
509412	12	3/4"	20	38	54	T911 - T912 - T914
509416	16	1"	25	46	60	T911 - T912 - T914
509420	20	1"1/4	32	54	72	T912 - T914
509424	24	1"1/2	40	62	90	T912 - T914
509432	32	2"	50	76	102	T912 - T914

FERRULES FOR METAL CABLE LAYERS-REINFORCED  
HOSES

EXTERNAL SKIVE



**5096**

FOR "SC"  
TYPE INSERT

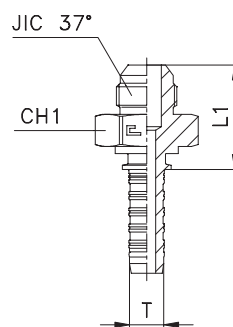
Part N°	Hose inner diameter			Dimensions(mm)		Usable on hose type
	Dash	Inch	DN	D	L	
509620	20	1"1/4	32	58	72	T911 - T915
509624	24	1"1/2	40	68	90	T911 - T915
509632	32	2"	50	84	102	T911

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# J.I.C 74° CONE ISO 8434-2 (SAE J514)

“S” INSERTS  
TYPE

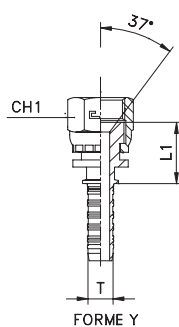
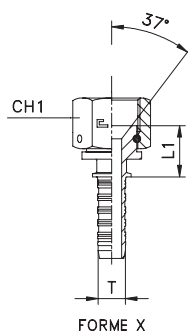


S111	MALE J.I.C 74° CONE									
	Part N°	Hose inner diameter			Tube dia. JIC 37°		JIC 37°	L1	CH1	PN (bar)
		DN	Dash	Inch	M	W				
S1110703	5	3	3/16"	6	1/4"	7/16"-20	26,5	12	415	
S1110803	5	3	3/16"	8	5/16"	1/2"-20	26,5	14	415	
S1110704	6	4	1/4"	6	1/4"	7/16"-20	26,5	12	450	
S1110804	6	4	1/4"	8	5/16"	1/2"-20	26,5	14	450	
S1110805	8	5	5/16"	8	5/16"	1/2"-20	26,8	14	NC	
S1110904	6	4	1/4"	10	3/8"	9/16"-18	27,5	17	350	
S1110905	8	5	5/16"	10	3/8"	9/16"-18	28	17	350	
S1110906	10	6	3/8"	10	3/8"	9/16"-18	28	17	350	
S1111205	8	5	5/16"	12	1/2"	3/4"-16	30,3	22	NC	
S1111206	10	6	3/8"	12	1/2"	3/4"-16	30,5	22	350	
S1111406	10	6	3/8"	14-15-16	5/8"	7/8"-14	34,5	24	350	
S1111208	12	8	1/2"	12	1/2"	3/4"-16	30,5	22	350	
S1111408	12	8	1/2"	14-15-16	5/8"	7/8"-14	34,5	24	350	
S1111708	12	8	1/2"	18-20	3/4"	1"1/16-12	39	30	350	
S1111410	16	10	5/8"	14-15-16	5/8"	7/8"-14	35	24	350	
S1111710	16	10	5/8"	18-20	3/4"	1"1/16-12	39,5	30	350	
S1111712	19	12	3/4"	18-20	3/4"	1"1/16-12	40	30	350	
S1111912	19	12	3/4"	22	7/8"	1"3/16-12	40,5	32	290	
S1112112	19	12	3/4"	25	1"	1"5/16-12	41	36	290	
S1112116	25	16	1"	25	1"	1"5/16-12	42	36	280	
S1112616	25	16	1"	30-32	1"1/4	1"5/8-12	45	46	240	
S1112620	31	20	1"1/4	30-32	1"1/4	1"5/8-12	46	46	210	
S1113020	31	20	1"1/4	38	1"1/2	1"7/8-12	51,5	50	210	
S1113024	38	24	1"1/2	38	1"1/2	1"7/8-12	52,5	50	185	
S1114032	51	32	2"	50	2"	2"1/2-12	63,5	65	100	

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# J.I.C 74° CONE ISO 8434-2 (SAE J514)



“S” INSERTS  
TYPE

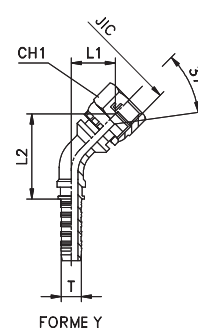
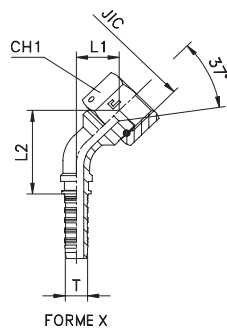
S211	FEMALE J.I.C 74° CONE							
Part N°	Hose inner diameter			JIC 37°	FORM	L1	CH1	PN (bar)
	DN	Dash	Inch					
S2110703	5	3	3/16"	7/16"-20	Y	13,5	14	415
S2110803	5	3	3/16"	1/2"-20	Y	13,5	17	415
S2110805	8	5	5/16"	1/2"-20	Y	13,8	17	NC
S2110704	6	4	1/4"	7/16"-20	Y	13,5	14	450
S2110804	6	4	1/4"	1/2"-20	Y	13,5	17	450
S2110904	6	4	1/4"	9/16"-18	Y	13,5	19	350
S2110905	8	5	5/16"	9/16"-18	Y	14	19	350
S2110906	10	6	3/8"	9/16"-18	Y	14	19	350
S2111206	10	6	3/8"	3/4"-16	Y	17	24	350
S2111406	10	6	3/8"	7/8"-14	Y	17	27	350
S2111205	8	5	5/16"	1/2"-20	Y	16,8	24	NC
S2111208	12	8	1/2"	3/4"-16	Y	17	24	350
S2111408	12	8	1/2"	7/8"-14	Y	17	27	350
S2111708	12	8	1/2"	1"1/16-12	Y	19,5	32	350
S2111410	16	10	5/8"	7/8"-14	Y	17,5	27	350
S2111710	16	10	5/8"	1"1/16-12	Y	20	32	350
S2111712	19	12	3/4"	1"1/16-12	Y	20,5	32	350
S2111912	19	12	3/4"	1"3/16-12	Y	20,5	36	290
S2112112	19	12	3/4"	1"5/16-12	Y	21,5	41	290
S2112116	25	16	1"	1"5/16-12	Y	22	41	280
S2112616	25	16	1"	1"5/8-12	X	23	50	240
S2112620	31	20	1"1/4	1"5/8-12	X	24	50	210
S2113020	31	20	1"1/4	1"7/8-12	X	28	60	210
S2113024	38	24	1"1/2	1"7/8-12	X	29	60	185
S2114032	51	32	2"	2"1/2-12	X	32,5	75	100

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication , they may be updated in the interest of our customers.

# J.I.C 74° CONE ISO 8434-2 (SAE J514)

“S” INSERTS  
TYPE



S212

FEMALE J.I.C 74° CONE - 45° SWEPT ELBOW

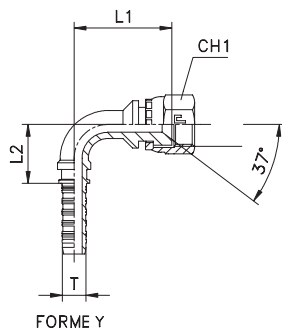
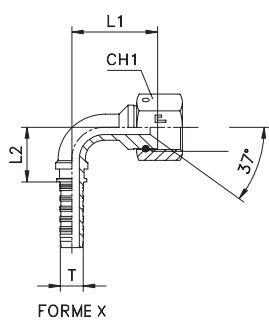
Part N°	Hose inner diameter			JIC 37°	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S2120703	5	3	3/16"	7/16"-20	Y	13	37	14	415
S2120803	5	3	3/16"	1/2"-20	Y	13	37	17	415
S2120704	6	4	1/4"	7/16"-20	Y	13	37	14	450
S2120804	6	4	1/4"	1/2"-20	Y	13	37	17	450
S2120904	6	4	1/4"	9/16"-18	Y	13,5	37,5	19	350
S2120805	8	5	5/16"	1/2"-20	Y	15	45	17	NC
S2120905	8	5	5/16"	9/16"-18	Y	16	44,5	19	350
S2121205	8	5	5/16"	3/4"-16	Y	19	48	24	NC
S2120906	10	6	3/8"	9/16"-18	Y	18	50	19	350
S2121206	10	6	3/8"	3/4"-16	Y	20	52,5	24	350
S2121406	10	6	3/8"	7/8"-14	Y	21	53,5	27	350
S2121208	12	8	1/2"	3/4"-16	Y	20	60	24	350
S2121408	12	8	1/2"	7/8"-14	Y	20,5	60,5	27	350
S2121708	12	8	1/2"	1"1/16-12	Y	23,5	64	32	350
S2121410	16	10	5/8"	7/8"-14	Y	21	65,5	27	350
S2121710	16	10	5/8"	1"1/16-12	Y	24,5	68,5	32	350
S2121712	19	12	3/4"	1"1/16-12	Y	27,5	80,5	32	350
S2121912	19	12	3/4"	1"3/16-12	Y	30,5	83,5	36	290
S2122112	19	12	3/4"	1"5/16-12	Y	30,5	83,5	41	290
S2122116	25	16	1"	1"5/16-12	Y	29	99	41	280
S2122616	25	16	1"	1"5/8-12	X	32,5	96,5	50	240
S2122620	31	20	1"1/4	1"5/8-12	X	36,5	119	50	210
S2123020	31	20	1"1/4	1"7/8-12	X	41,5	121	60	210
S2123024	38	24	1"1/2	1"7/8-12	X	45	155	60	185
S2124032	51	32	2"	2"1/2-12	X	55	204	75	100

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

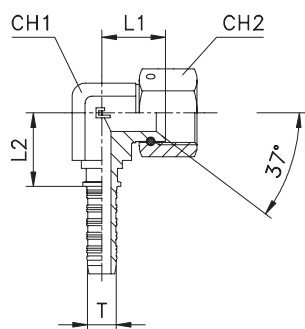


# J.I.C 74° CONE ISO 8434-2 (SAE J514)



“S” INSERTS  
TYPE

S213		FEMALE J.I.C 74° CONE - 90° SWEPT ELBOW							
Part N°	Hose inner diameter			JIC 37°	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S2130703	5	3	3/16"	7/16"-20	Y	24,5	21,5	14	415
S2130803	5	3	3/16"	1/2"-20	Y	24,5	21,5	17	415
S2130704	6	4	1/4"	7/16"-20	Y	24,5	21,5	14	450
S2130804	6	4	1/4"	1/2"-20	Y	24,5	21,5	17	450
S2130805	8	5	5/16"	1/2"-20	Y	29	27	17	NC
S2130904	6	4	1/4"	9/16"-18	Y	25,5	21,5	19	350
S2130905	8	5	5/16"	9/16"-18	Y	30,5	26	19	350
S2130906	10	6	3/8"	9/16"-18	Y	34,5	29,5	19	350
S2131206	10	6	3/8"	3/4"-16	Y	38	29,5	24	350
S2131406	10	6	3/8"	7/8"-14	Y	39	29,5	27	350
S2131208	12	8	1/2"	3/4"-16	Y	39,5	36	24	350
S2131408	12	8	1/2"	7/8"-14	Y	40,5	36	27	350
S2131708	12	8	1/2"	1"1/16-12	Y	45	36	32	350
S2131410	16	10	5/8"	7/8"-14	Y	43,5	40	27	350
S2131710	16	10	5/8"	1"1/16-12	Y	48	40	32	350
S2131712	19	12	3/4"	1"1/16-12	Y	57	47	32	350
S2131912	19	12	3/4"	1"3/16-12	Y	61	47	36	290
S2132112	19	12	3/4"	1"5/16-12	Y	61	47	41	290
S2132116	25	16	1"	1"5/16-12	Y	62	63	41	280
S2132616	25	16	1"	1"5/8-12	X	67	63	50	240
S2132620	31	20	1"1/4	1"5/8-12	X	80	75,5	50	210
S2133020	31	20	1"1/4	1"7/8-12	X	87	75,5	60	210
S2133024	38	24	1"1/2	1"7/8-12	X	97,5	101	60	185
S2134032	51	32	2"	2"1/2-12	X	123,5	137,5	75	100



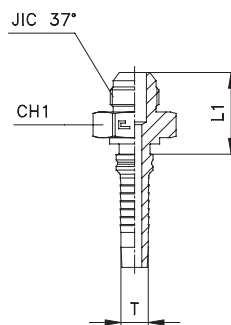
S214		FEMALE JIC 74° CONE 90° SWEPT ELBOW - COMPACT							
Part N°	Hose inner diameter			JIC 37°	L1	L2	CH1	CH2	PN (bar)
	DN	Dash	Inch						
S2140703	5	3	3/16"	7/16"-20	17	16,5	11	14	415
S2140804	6	4	1/4"	1/2"-20	17	18,5	14	17	450
S2140905	8	5	5/16"	9/16"-18	22	22,5	19	19	350
S2141206	10	6	3/8"	3/4"-16	24	23	19	22	350
S2141408	12	8	1/2"	7/8"-14	28	25,5	22	27	350
S2141710	16	10	5/8"	1"1/16-12	30	29	27	32	350
S2141912	19	12	3/4"	1"3/16-12	34,5	34,5	33	36	290
S2142116	25	16	1"	1"5/16-12	35	40	33	41	290

Nota: for a stainless steel item, please add «C» at the end of the reference.  
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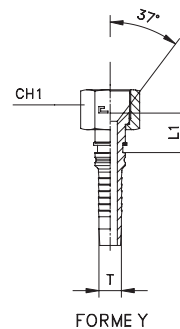
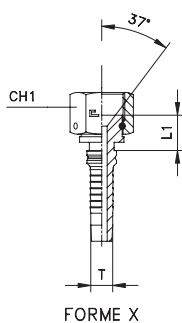
J.I.C

# J.I.C 74° CONE ISO 8434-2 (SAE J514)

**“SD” INSERTS  
TYPE**



SD111	MALE J.I.C 74° CONE									
	Part N°	Hose inner diameter			Tube dia. JIC 37°		JIC 37°	L1	CH1	PN (bar)
		DN	Dash	Inch	M	W				
SD1111712	19	12	3/4"	18-20	3/4"	1"1/16-12	39,5	30	350	
SD1111912	19	12	3/4"	22	7/8"	1"3/16-12	40	32	290	
SD1112112	19	12	3/4"	25	1"	1"5/16-12	40,5	36	290	
SD1112116	25	16	1"	25	1"	1"5/16-12	41	36	290	
SD1112616	25	16	1"	30-32	1"1/4	1"5/8-12	44	46	240	
SD1112620	31	20	1"1/4	30-32	1"1/4	1"5/8-12	46,5	46	240	
SD1113020	31	20	1"1/4	38	1"1/2	1"7/8-12	52	50	240	
SD1113024	38	24	1"1/2	38	1"1/2	1"7/8-12	52	50	240	
SD1114032	51	32	2"	50	2"	2"1/2-12	64,5	65	100	

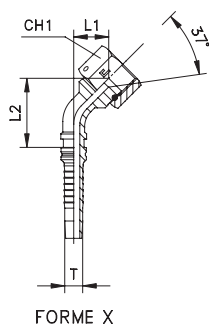


SD211	FEMALE JIC 74° CONE THRUST - WIRE NUT								
	Part N°	Hose inner diameter			JIC 37°	FORM	L1	CH1	PN (bar)
		DN	Dash	Inch					
SD2111712	19	12	3/4"	1"1/16-12	X	18,5	32	350	
SD2111912	19	12	3/4"	1"3/16-12	Y	20	36	290	
SD2112112	19	12	3/4"	1"5/16-12	Y	20	41	290	
SD2112116	25	16	1"	1"5/16-12	X	20,5	41	290	
SD2112616	25	16	1"	1"5/8-12	Y	22	50	240	
SD2112620	31	20	1"1/4	1"5/8-12	X	23,5	50	240	
SD2113020	31	20	1"1/4	1"7/8-12	Y	27,5	60	240	
SD2113024	38	24	1"1/2	1"7/8-12	X	27,5	60	240	
SD2114032	51	32	2"	2"1/2-12	X	32,5	75	100	

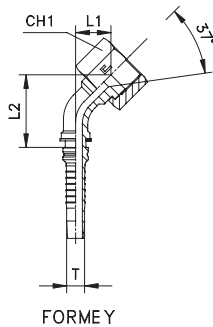
Nota: for a stainless steel item, please add «C» at the end of the reference.

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# J.I.C 74° CONE ISO 8434-2 (SAE J514)



FORME X

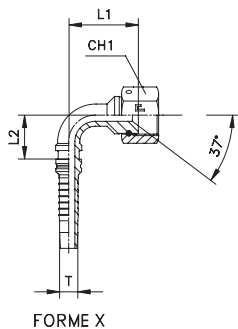


FORME Y

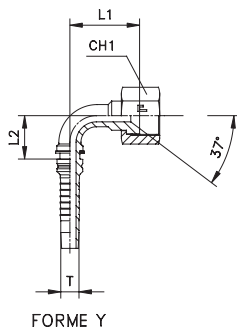


“SD” INSERTS  
TYPE

SD212	FEMALE JIC 74° CONE THRUST-WIRE NUT - 45° SWEPT ELBOW								
	Part N°	Hose inner diameter			JIC 37°	FORM	L1	L2	CH1
DN		Dash	Inch						
SD2121712	19	12	3/4"	1"1/16-12	X	27	81,5	32	350
SD2121912	19	12	3/4"	1"3/16-12	Y	26	81	36	290
SD2122112	19	12	3/4"	1"5/16-12	Y	27	82	41	290
SD2122116	25	16	1"	1"5/16-12	X	29,5	104,5	41	290
SD2122616	25	16	1"	1"5/8-12	Y	29	104	50	240
SD2122620	31	20	1"1/4	1"5/8-12	X	36,5	127,5	50	240
SD2123020	31	20	1"1/4	1"7/8-12	Y	37	127,5	60	240
SD2123024	38	24	1"1/2	1"7/8-12	X	45	162,5	60	240
SD2124032	51	32	2"	2"1/2-12	X	55	213	75	100



FORME X



FORME Y

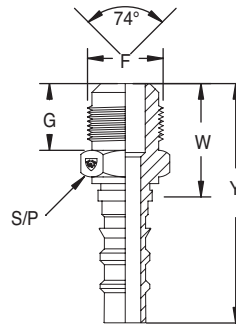


SD213	FEMALE JIC 74° CONE THRUST-WIRE NUT - 90° SWEPT ELBOW								
	Part N°	Hose inner diameter			JIC 37°	FORM	L1	L2	CH1
DN		Dash	Inch						
SD2131712	19	12	3/4"	1"1/16-12	X	56	48,5	32	350
SD2131912	19	12	3/4"	1"3/16-12	Y	54,5	49	36	290
SD2132112	19	12	3/4"	1"5/16-12	Y	56	49	41	290
SD2132116	25	16	1"	1"5/16-12	X	62,5	69	41	290
SD2132616	25	16	1"	1"5/8-12	Y	62	67	50	240
SD2132620	31	20	1"1/4	1"5/8-12	X	80	81	50	240
SD2133020	31	20	1"1/4	1"7/8-12	Y	80	81	60	240
SD2133024	38	24	1"1/2	1"7/8-12	X	97,5	105,5	60	240
SD2134032	51	32	2"	2"1/2-12	X	123,5	142,5	75	100

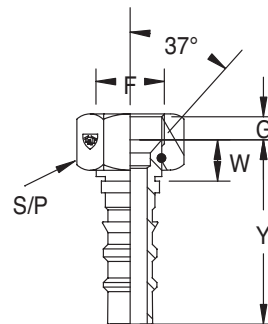
Nota: for a stainless steel item, please add «C» at the end of the reference.  
All the specifications are given as an indication, they may be updated in the interest of our customers.

# J.I.C 74° CONE ISO 8434-2 (SAE J514)

**“SC” INSERTS  
TYPE**



SC111		MALE J.I.C 74° CONE								
Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	G	
SC1111412	3/4"	20	12	19,1	7/8"-14	37	88	27	22	420
SC1111712	3/4"	20	12	19,1	1"1/16-12	40	91	27	23	420
SC1111912	3/4"	20	12	19,1	1"3/16-12	41,5	92,5	32	23	420
SC1112112	3/4"	20	12	19,1	1"5/16-12	43	94	36	23	380
SC1111716	1"	25	16	25,4	1"1/16-12	43	99,5	32	23	420
SC1112116	1"	25	16	25,4	1"5/16-12	45	101,5	36	23	380
SC1112616	1"	25	16	25,4	1"5/8-12	48	104,5	46	24	325
SC1112120	1"1/4	32	20	31,8	1"5/16-12	48,5	115	41	23	380
SC1112620	1"1/4	32	20	31,8	1"5/8-12	50,5	117	46	24	325
SC1113020	1"1/4	32	20	31,8	1"7/8-12	55	121,5	50	28	290
SC1113024	1"1/2	38	24	38,1	1"7/8-12	57	139,5	50	28	290
SC1114024	1"1/2	38	24	38,1	2"1/2-12	65,5	148	65	34	250
SC1114032	2"	51	32	50,8	2"1/2-12	68,5	165	65	34	250

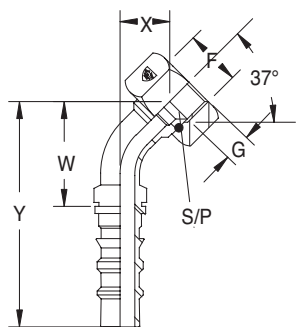


SC211		FEMALE JIC 74° CONE THRUST - WIRE NUT								
Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	G	
SC2111412	3/4"	20	12	19,1	7/8"-14		84	27	13	420
SC2111712	3/4"	20	12	19,1	1"1/16-12		85	32	14,5	420
SC2111912	3/4"	20	12	19,1	1"3/16-12		86,5	36	15	420
SC2112112	3/4"	20	12	19,1	1"5/16-12		89	41	15,5	380
SC2111716	1"	25	16	25,4	1"1/16-12	36,5	93	32	16	420
SC2112116	1"	25	16	25,4	1"5/16-12	39,5	96	41	15,5	380
SC2112616	1"	25	16	25,4	1"5/8-12	46	102,5	50	16	325
SC2112120	1"1/4	32	20	31,8	1"5/16-12	45,5	112	41	15,5	380
SC2112620	1"1/4	32	20	31,8	1"5/8-12	48	114,5	50	16	325
SC2113020	1"1/4	32	20	31,8	1"7/8-12	51	117,5	60	18,5	290
SC2113024	1"1/2	38	24	38,1	1"7/8-12	53	135,5	60	18,5	290
SC2114024	1"1/2	38	24	38,1	2"1/2-12	66	148,5	75	26	250
SC2114032	2"	51	32	50,8	2"1/2-12	69	165,5	75	26	250

Nota: for a stainless steel item, please add «C» at the end of the reference.

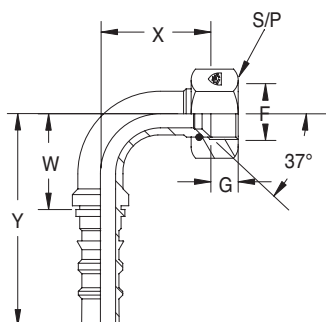
All the specifications are given as an indication, they may be updated in the interest of our customers.

# J.I.C 74° CONE ISO 8434-2 (SAE J514)



**“SC” INSERTS  
TYPE**

<b>SC212 FEMALE JIC 74° CONE THRUST - WIRE NUT - 45° SWEEP ELBOW</b>											
Part N°	Hose inner diameter				Thread	Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	F	W	Y	X	S/P	G	
SC2121412	3/4"	20	12	19,1	7/8"-14	66	117	28	27	13	420
SC2121712	3/4"	20	12	19,1	1"1/16-12	63	114	25	32	14,5	420
SC2121912	3/4"	20	12	19,1	1"3/16-12	63	114	25	36	15	420
SC2122112	3/4"	20	12	19,1	1"5/16-12	63	114	25	41	15,5	380
SC2121716	1"	25	16	25,4	1"1/16-12	85	141	35	32	14,5	420
SC2122116	1"	25	16	25,4	1"5/16-12	82	138	32	41	15,5	380
SC2122616	1"	25	16	25,4	1"5/8-12	82	138	32	50	16	325
SC2122120	1"1/4	32	20	31,8	1"5/16-12	100	167	41	41	15,5	380
SC2122620	1"1/4	32	20	31,8	1"5/8-12	98	164	38	50	16	325
SC2123020	1"1/4	32	20	31,8	1"7/8-12	98	164	38	60	18,5	290
SC2123024	1"1/2	38	24	38,1	1"7/8-12	118	201	46	60	18,5	290
SC2124024	1"1/2	38	24	38,1	2"1/2-12	118	201	46	75	26	250
SC2124032	2"	51	32	50,8	2"1/2-12	157	253	62	75	26	250



<b>SC213 FEMALE JIC 74° CONE THRUST - WIRE NUT - 90° SWEEP ELBOW</b>											
Part N°	Hose inner diameter				Thread	Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	F	W	Y	X	S/P	G	
SC2131412	3/4"	20	12	19,1	7/8"-14	55	106	55	27	13	420
SC2131712	3/4"	20	12	19,1	1"1/16-12	55	106	52	32	14,5	420
SC2131912	3/4"	20	12	19,1	1"3/16-12	55	106	52	36	15	420
SC2132112	3/4"	20	12	19,1	1"5/16-12	55	106	52	41	15,5	380
SC2131716	1"	25	16	25,4	1"1/16-12	71	128	71	32	14,5	420
SC2132116	1"	25	16	25,4	1"5/16-12	71	128	67	41	15,5	380
SC2132616	1"	25	16	25,4	1"5/8-12	71	128	67	50	16	325
SC2132120	1"1/4	32	20	31,8	1"5/16-12	87	154	84	41	15,5	380
SC2132620	1"1/4	32	20	31,8	1"5/8-12	87	154	81	50	16	325
SC2133020	1"1/4	32	20	31,8	1"7/8-12	87	154	81	60	18,5	290
SC2133024	1"1/2	38	24	38,1	1"7/8-12	105	188	97	60	18,5	290
SC2134024	1"1/2	38	24	38,1	2"1/2-12	105	188	97	75	26	250
SC2134032	2"	51	32	50,8	2"1/2-12	140	237	132	75	26	250

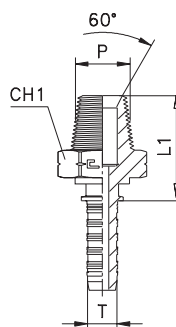
Extended elbow on request

Nota: for a stainless steel item, please add «C» at the end of the reference.  
All the specifications are given as an indication, they may be updated in the interest of our customers.

J.I.C

# N.P.T 60° CONE (SAE J516)

“S” INSERTS  
TYPE

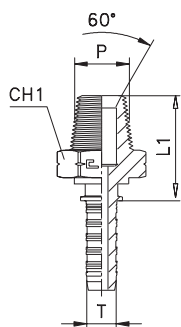


S121	MALE NPT 60° CONE						
	Part N°	Hose inner diameter			P	L1	CH1
DN		Dash	Inch				
S1210203	5	3	3/16"	1/8"	20	12	350
S1210403	5	3	3/16"	1/4"	25	14	350
S1210204	6	4	1/4"	1/8"	20	12	350
S1210404	6	4	1/4"	1/4"	25	14	350
S1210604	6	4	1/4"	3/8"	25	17	250
S1210405	8	5	5/16"	1/4"	25,5	14	350
S1210605	8	5	5/16"	3/8"	25,5	17	250
S1210805	8	5	5/16"	1/2"	30,8	22	NC
S1210406	10	6	3/8"	1/4"	25,4	17	NC
S1210606	10	6	3/8"	3/8"	25,5	17	250
S1210806	10	6	3/8"	1/2"	31	22	225
S1210608	12	8	1/2"	3/8"	26,5	22	250
S1210808	12	8	1/2"	1/2"	31	22	225
S1211208	12	8	1/2"	3/4"	33,1	27	NC
S1210810	16	10	5/8"	1/2"	31,4	22	NC
S1211210	16	10	5/8"	3/4"	33,5	27	200
S1211212	19	12	3/4"	3/4"	34	27	200
S1211612	19	12	3/4"	1"	40	36	160
S1211616	25	16	1"	1"	41	36	160
S1212016	25	16	1"	1"1/4	44	46	160
S1212020	31	20	1"1/4	1"1/4	45	46	160
S1212424	38	24	1"1/2	1"1/2	49	50	160
S1213232	51	32	2"	2"	53	65	100

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication , they may be updated in the interest of our customers.

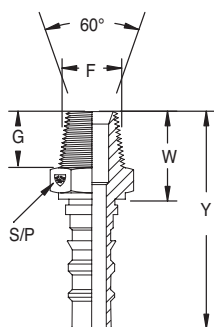
# N.P.T 60° CONE (SAE J516)



**“SD” INSERTS  
TYPE**

SD121		MALE NPT 60° CONE					
Part N°	Hose inner diameter			P	L1	CH1	PN (bar)
	DN	Dash	Inch				
SD1211212	19	12	3/4"	3/4"	34,5	27	420
SD1211612	19	12	3/4"	1"	40,5	36	420
SD1211616	25	16	1"	1"	41	36	420
SD1212016	25	16	1"	1"1/4	44	46	420
SD1212020	31	20	1"1/4	1"1/4	46,5	46	420
SD1212420	31	20	1"1/4	1"1/2	49,5	50	420
SD1212424	38	24	1"1/2	1"1/2	49,5	50	420
SD1213232	51	32	2"	2"	55	65	420

N.P.T



**“SC” INSERTS  
TYPE**

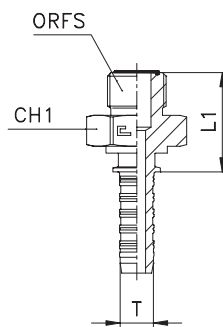
SC121		MALE NPT 60° CONE								
Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm		F	W	Y	S/P	
SC1211212	3/4"	20	12	19,1	3/4"-14	39	90	27	19	420
SC1211612	3/4"	20	12	19,1	1"-11,5	47	98	36	21	420
SC1211216	1"	25	16	25,4	3/4"-14	41,5	98	32	19	420
SC1211616	1"	25	16	25,4	1"-11,5	48,5	105	36	21	420
SC1212016	1"	25	16	25,4	1"1/4-11,5	53	109,5	46	24	420
SC1211620	1"1/4	32	20	31,8	1"-11,5	52,5	119	41	21	420
SC1212020	1"1/4	32	20	31,8	1"1/4-11,5	55	121,5	46	24	420
SC1212420	1"1/4	32	20	31,8	1"1/2-11,5	59	125,5	50	25	420
SC1212424	1"1/2	38	24	38,1	1"1/2-11,5	61	143,5	50	25	420
SC1213224	1"1/2	38	24	38,1	2"-11,5	67,5	150	65	26	420
SC1213232	2"	51	32	50,8	2"-11,5	70,5	167	65	26	420

Nota: for a stainless steel item, please add «C» at the end of the reference.  
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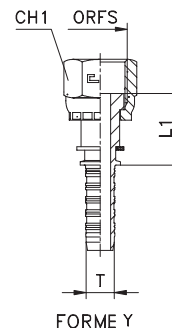
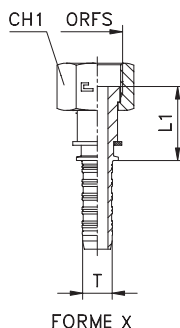
# ORFS

## ISO 8434-3 (SAE J1453)

“S” INSERTS  
TYPE



S181 MALE O.R.F.S									
Part N°	Hose inner diameter			Tube dia. O.R.F.S		O.R.F.S	L1	CH1	PN (bar)
	DN	Dash	Inch	M	W				
S1810404	6	4	1/4"	6	1/4"	9/16"-18	24,5	17	450
S1810604	6	4	1/4"	8-10	5/16"-3/8"	11/16"-16	27	19	450
S1810605	8	5	5/16"	8-10	5/16"-3/8"	11/16"-16	27,5	19	350
S1810606	10	6	3/8"	8-10	5/16"-3/8"	11/16"-16	27,5	19	445
S1810806	10	6	3/8"	12	1/2"	13/16"-16	30	22	445
S1811006	10	6	3/8"	14-15-16	5/8"	1"-14	34,4	27	NC
S1810808	12	8	1/2"	12	1/2"	13/16"-16	30	22	415
S1811008	12	8	1/2"	14-15-16	5/8"	1"-14	34,5	27	415
S1811208	12	8	1/2"	18-20	3/4"	13/16"-12	37,5	32	415
S1811010	16	10	5/8"	14-15-16	5/8"	1"-14	35	27	350
S1811210	16	10	5/8"	18-20	3/4"	13/16"-12	38	32	350
S1811212	19	12	3/4"	18-20	3/4"	13/16"-12	38,5	32	350
S1811612	19	12	3/4"	22-25	7/8"-1	17/16"-12	40,5	41	350
S1811616	25	16	1"	22-25	7/8"-1	17/16"-12	42	41	280
S1812020	31	20	1"1/4	28-30-32	1"1/4	1"11/16-12	45	46	210
S1812424	38	24	1"1/2	35-38	1"1/2	2"-12	47,5	55	185



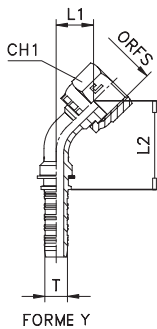
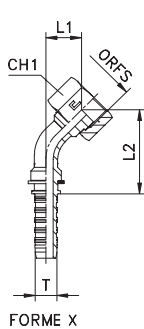
S281 FEMALE O.R.F.S										
Part N°	Hose inner diameter			Tube dia. O.R.F.S		O.R.F.S	FORM	L1	CH1	PN (bar)
	DN	Dash	Inch	M	W					
S2810404	6	4	1/4"	6	1/4"	9/16"-18	X	21	17	450
S2810604	6	4	1/4"	8-10	5/16"-3/8"	11/16"-16	X	23	22	450
S2810605	8	5	5/16"	8-10	5/16"-3/8"	11/16"-16	X	23,5	22	350
S2810606	10	6	3/8"	8-10	5/16"-3/8"	11/16"-16	X	23,5	22	445
S2810806	10	6	3/8"	12	1/2"	13/16"-16	X	26,5	24	445
S2810808	12	8	1/2"	12	1/2"	13/16"-16	Y	26,5	24	415
S2811008	12	8	1/2"	14-15-16	5/8"	1"-14	X	30,5	30	415
S2811208	12	8	1/2"	18-20	3/4"	13/16"-12	X	33	36	415
S2811010	16	10	5/8"	14-15-16	5/8"	1"-14	X	31	30	350
S2811210	16	10	5/8"	18-20	3/4"	13/16"-12	X	33,5	36	350
S2811212	19	12	3/4"	18-20	3/4"	13/16"-12	X	34	36	350
S2811612	19	12	3/4"	22-25	7/8"-1"	17/16"-12	X	35	41	350
S2811616	25	16	1"	22-25	7/8"-1"	17/16"-12	Y	35,5	46	280
S2812020	31	20	1"1/4	28-30-32	1"1/4	1"11/16-12	Y	36,5	50	210
S2812424	38	24	1"1/2	35-38	1"1/2	2"-12	X	37,5	60	185

Nota: for a stainless steel item, please add «C» at the end of the reference.

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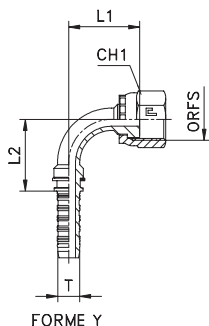
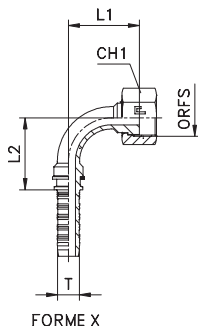


# ORFS ISO 8434-3 (SAE J1453)



"S" INSERTS  
TYPE

S282 FEMALE O.R.F.S 45° SWEEP ELBOW											
Part N°	Hose inner diameter			Tube dia. O.R.F.S		O.R.F.S	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch	M	W						
S2820404	6	4	1/4"	6	1/4"	9/16"-18	X	12	42	17	450
S2820604	6	4	1/4"	8-10	5/16"-3/8"	11/16"-16	X	14,5	44,5	22	450
S2820605	8	5	5/16"	8-10	5/16"-3/8"	11/16"-16	X	14	45,5	22	350
S2820606	10	6	3/8"	8-10	5/16"-3/8"	11/16"-16	X	15	50,5	22	445
S2820806	10	6	3/8"	12	1/2"	13/16"-16	X	17	53	24	445
S2820808	12	8	1/2"	12	1/2"	13/16"-16	Y	16,5	57	24	415
S2821008	12	8	1/2"	14-15-16	5/8"	1"-14	X	19,5	60	30	415
S2821208	12	8	1/2"	18-20	3/4"	13/16"-12	X	21,5	62	36	415
S2821010	16	10	5/8"	14-15-16	5/8"	1"-14	X	19,5	65	30	350
S2821210	16	10	5/8"	18-20	3/4"	13/16"-12	X	21,5	67	36	350
S2821212	19	12	3/4"	18-20	3/4"	13/16"-12	X	24,5	79,5	36	350
S2821612	19	12	3/4"	22-25	7/8"-1"	17/16"-12	X	27	82	41	350
S2821616	25	16	1"	22-25	7/8"-1"	17/16"-12	Y	26	98,5	46	280
S2822020	31	20	1"1/4	28-30-32	1"1/4	1"11/16-12	Y	31	118	50	210
S2822424	38	24	1"1/2	35-38	1"1/2	2"-12	X	37,5	152	60	185



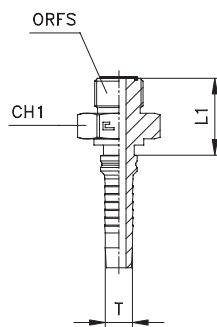
S283 FEMALE O.R.F.S 90° SWEEP ELBOW											
Part N°	Hose inner diameter			Tube dia. O.R.F.S		O.R.F.S	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch	M	W						
S2830404	6	4	1/4"	6	1/4"	9/16"-18	X	26,5	26	17	450
S2830604	6	4	1/4"	8-10	5/16"-3/8"	11/16"-16	X	29,5	26	22	450
S2830605	8	5	5/16"	8-10	5/16"-3/8"	11/16"-16	X	30	27,5	22	350
S2830606	10	6	3/8"	8-10	5/16"-3/8"	11/16"-16	X	31,5	32	22	445
S2830806	10	6	3/8"	12	1/2"	13/16"-16	X	34,5	32	24	445
S2830808	12	8	1/2"	12	1/2"	13/16"-16	Y	35	35,5	24	415
S2831008	12	8	1/2"	14-15-16	5/8"	1"-14	X	39	35,5	30	415
S2831208	12	8	1/2"	18-20	3/4"	13/16"-12	X	42	35,5	36	415
S2831010	16	10	5/8"	14-15-16	5/8"	1"-14	X	41	40	30	350
S2831210	16	10	5/8"	18-20	3/4"	13/16"-12	X	44	40	36	350
S2831212	19	12	3/4"	18-20	3/4"	13/16"-12	X	53	47,5	36	350
S2831612	19	12	3/4"	22-25	7/8"-1"	17/16"-12	X	56,5	47,5	41	350
S2831616	25	16	1"	22-25	7/8"-1"	17/16"-12	Y	57,5	63	46	280
S2832020	31	20	1"1/4	28-30-32	1"1/4	1"11/16-12	Y	72	75,5	50	210
S2832424	38	24	1"1/2	35-38	1"1/2	2"-12	X	87	101	60	185

Nota: for a stainless steel item, please add «C» at the end of the reference.  
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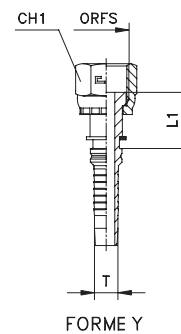
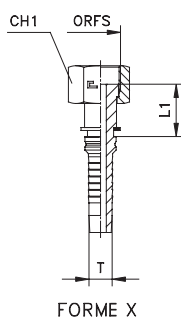
# O.R.F.S

## ISO 8434-3 (SAE J1453)

**“SD” INSERTS**  
TYPE



SD181		MALE O.R.F.S							
Part N°	Hose inner diameter			Tube dia. O.R.F.S		O.R.F.S	L1	CH1	PN (bar)
	DN	Dash	Inch	M	W				
SD1811212	19	12	3/4"	18-20	3/4"	13/16"-12	36,5	32	420
SD1811616	25	16	1"	22-25	7/8"-1"	17/16"-12	39	41	420
SD1812020	31	20	1"1/4	28-30	1"1/4	1"11/16-12	43,5	46	420
SD1812424	38	24	1"1/2	35-38	1"1/2	2"-12	45	55	420



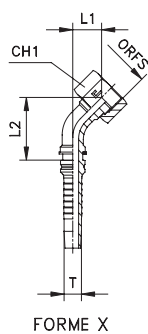
SD281		FEMALE O.R.F.S								
Part N°	Hose inner diameter			Tube dia. O.R.F.S		O.R.F.S	FORM	L1	CH1	PN (bar)
	DN	Dash	Inch	M	W					
SD2811212	19	12	3/4"	18-20	3/4"	13/16"-12	X	32	36	420
SD2811616	25	16	1"	22-25	7/8"-1"	17/16"-12	Y	33,5	46	420
SD2812020	31	20	1"1/4	28-30	1"1/4	1" 11/16-12	Y	35	50	420
SD2812424	38	24	1"1/2	35-38	1"1/2	2"-12	X	35	60	420

Nota: for a stainless steel item, please add «C» at the end of the reference.

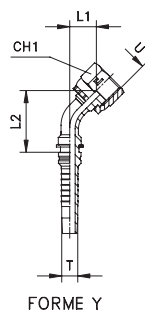
All the specifications are given as an indication, they may be updated in the interest of our customers.

# O.R.F.S

## ISO 8434-3 (SAE J1453)



FORME X

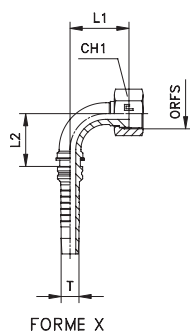


FORME Y

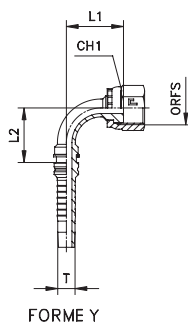


**“SD”** INSERTS  
TYPE

SD282		FEMALE O.R.F.S 45° SWEPT ELBOW									
Part N°	Hose inner diameter			Tube dia. O.R.F.S		O.R.F.S	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch	M	W						
SD2821212	19	12	3/4"	18-20	3/4"	13/16"-12	X	24,5	80	36	420
SD2821616	25	16	1"	22-25	7/8"-1"	17/16"-12	Y	26	101	46	420
SD2822020	31	20	1"1/4	28-30-32	1"1/4	1"11/16-12	Y	31	121,5	50	420
SD2822424	38	24	1"1/2	35-38	1"1/2	2"-12	X	37,5	154,5	60	420



FORME X



FORME Y



SD283		FEMALE O.R.F.S 90° SWEPT ELBOW									
Part N°	Hose inner diameter			Tube dia. O.R.F.S		O.R.F.S	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch	M	W						
SD2831212	19	12	3/4"	18-20	3/4"	13/16"-12	X	53	49	36	420
SD2831616	25	16	1"	22-25	7/8"-1"	17/16"-12	Y	57,5	68	46	420
SD2832020	31	20	1"1/4	28-30-32	1"1/4	1"11/16-12	Y	72	81	50	420
SD2832424	38	24	1"1/2	35-38	1"1/2	2"-12	X	87	105,5	60	420

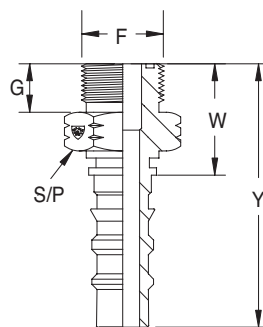
Nota: for a stainless steel item, please add «C» at the end of the reference.

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# O.R.F.S

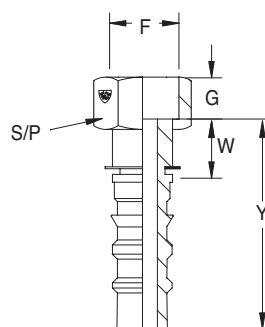
## ISO 8434-3 (SAE J1453)

**“SC” INSERTS**  
TYPE



SC181	MALE O.R.F.S									
Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	G	
SC1811212	3/4"	20	12	19,1	1"3/16-12	36	87	32	17	420
SC1811616	1"	25	16	25,4	1"7/16-12	41	97	41	18	420
SC1812020	1"1/4	32	20	31,8	1"11/16-12	44	111	46	18	420
SC1812424	1"1/2	40	24	38,1	2"-12	48	131	55		420

O.R.F.S

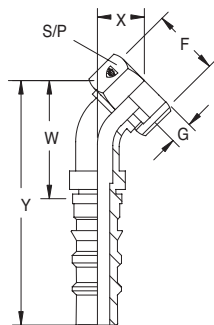


SC281	FEMALE O.R.F.S									
Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	G	
SC2811012	3/4"	20	12	19,1	1"-14	43	94	30	13,6	420
SC2811212	3/4"	20	12	19,1	1"3/16-12	46	97	36	14	420
SC2811612	3/4"	20	12	19,1	1"7/16-12	49	100	41	14,3	420
SC2811616	1"	25	16	25,4	1"7/16-12	51	107	41	14,3	420
SC2812016	1"	25	16	25,4	1"11/16-12	52	109	50	14,5	420
SC2812020	1"1/4	32	20	31,8	1"11/16-12	55	121	50	14,5	420
SC2812424	1"1/2	40	24	38,1	2"-12	60	142	60		420

Nota: for a stainless steel item, please add «C» at the end of the reference.

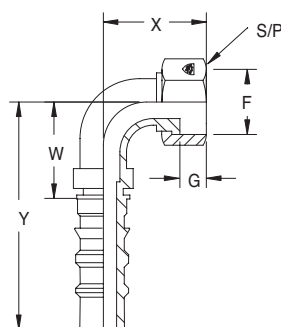
All the specifications are given as an indication, they may be updated in the interest of our customers.

# O.R.F.S ISO 8434-3 (SAE J1453)



**“SC”** INSERTS  
TYPE

<b>SC282 FEMALE O.R.F.S 45° SWEPT ELBOW</b>											
Part N°	Hose inner diameter				Thread	Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	F	W	Y	X	S/P	G	
<b>SC2821212</b>	3/4"	20	12	19,1	1"3/16-12	60	111	22	36	14	420
<b>SC2821612</b>	3/4"	20	12	19,1	1"7/16-12	61	112	23	41	14,3	420
<b>SC2821616</b>	1"	25	16	25,4	1"7/16-12	78	134	29	41	14,3	420
<b>SC2822016</b>	1"	25	16	25,4	1"11/16-12	78	134	29	50	14,5	420
<b>SC2822020</b>	1"1/4	32	20	31,8	1"11/16-12	93	159	34	50	14,5	420
<b>SC2822424</b>	1"1/2	40	24	38,1	2"-12	113	195	41	60		420



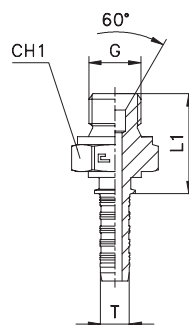
<b>SC283 FEMALE O.R.F.S 90° SWEPT ELBOW</b>											
Part N°	Hose inner diameter				Thread	Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	F	W	Y	X	S/P	G	
<b>SC2831212</b>	3/4"	20	12	19,1	1"3/16-12	54	105	48	36	14	420
<b>SC2831612</b>	3/4"	20	12	19,1	1"7/16-12	54	105	49	41	14,3	420
<b>SC2831616</b>	1"	25	16	25,4	1"7/16-12	71	127	62	41	14,3	420
<b>SC2832016</b>	1"	25	16	25,4	1"11/16-12	71	127	62	50	14,5	420
<b>SC2832020</b>	1"1/4	32	20	31,8	1"11/16-12	87	153	75	50	14,5	420
<b>SC2832424</b>	1"1/2	40	24	38,1	2"-12	105	187	90	60		420

Extended elbow on request

Nota: for a stainless steel item, please add «C» at the end of the reference.  
All the specifications are given as an indication, they may be updated in the interest of our customers.

# B.S.P.P 60° CONE ISO 8434-6 (BS 5200)

“S” INSERTS  
TYPE

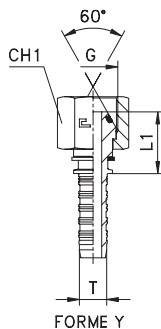
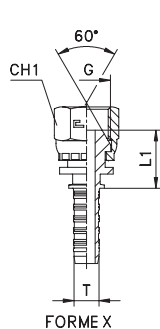


S311	MALE B.S.P.P 60° CONE							
	Part N°	Hose inner diameter			G	L1	CH1	PN (bar)
		DN	Dash	Inch				
S3110203	5	3	3/16"	1/8"	19	14	400	
S3110403	5	3	3/16"	1/4"	22,5	19	400	
S3110204	6	4	1/4"	1/8"	19	14	400	
S3110404	6	4	1/4"	1/4"	22,5	19	400	
S3110604	6	4	1/4"	3/8"	25,5	22	400	
S3110804	6	4	1/4"	1/2"	29	27	350	
S3110405	8	5	5/16"	1/4"	23	19	350	
S3110605	8	5	5/16"	3/8"	26	22	350	
S3110805	8	5	5/16"	1/2"	29,3	27	350	
S3110406	10	6	3/8"	1/4"	23	19	400	
S3110606	10	6	3/8"	3/8"	26	22	400	
S3110806	10	6	3/8"	1/2"	29,5	27	350	
S3110608	12	8	1/2"	3/8"	26	22	400	
S3110808	12	8	1/2"	1/2"	29,5	27	350	
S3111008	12	8	1/2"	5/8"	32	30	350	
S3111208	12	8	1/2"	3/4"	33	32	315	
S3110810	16	10	5/8"	1/2"	29,9	27	NC	
S3111010	16	10	5/8"	5/8"	32,5	30	350	
S3111210	16	10	5/8"	3/4"	33,5	32	315	
S3111212	19	12	3/4"	3/4"	34	32	315	
S3111612	19	12	3/4"	1"	38,5	41	250	
S3111616	25	16	1"	1"	39	41	250	
S3112016	25	16	1"	1"1/4	40	50	200	
S3112020	31	20	1"1/4	1"1/4	45,5	50	200	
S3112420	31	20	1"1/4	1"1/2	46	55	160	
S3112424	38	24	1"1/2	1"1/2	49,5	55	160	
S3113224	38	24	1"1/2	2"	55	70	125	
S3113232	51	32	2"	2"	58,5	70	125	
S3110805	8	5	5/16"	1/2"	29,5	27	350	

Nota: for a stainless steel item, please add «C» at the end of the reference.

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# B.S.P.P 60° CONE ISO 8434-6 (BS 5200)



"S" INSERTS  
TYPE

S471		FEMALE B.S.P.P 60° CONE SWEEP ELBOW						
Part N°	Hose inner diameter			G	FORM	L1	CH1	PN (bar)
	DN	Dash	Inch					
S4710203	5	3	3/16"	1/8"	X	15,5	14	350
S4710403	5	3	3/16"	1/4"	X	15,5	19	350
S4710204	6	4	1/4"	1/8"	X	15,5	14	350
S4710404	6	4	1/4"	1/4"	X	15,5	19	350
S4710604	6	4	1/4"	3/8"	X	17,5	22	350
S4710405	8	5	5/16"	1/4"	X	16	19	350
S4710605	8	5	5/16"	3/8"	X	18	22	350
S4710805	8	5	5/16"	1/2"	X	18,8	27	NC
S4710406	10	6	3/8"	1/4"	X	16	19	350
S4710606	10	6	3/8"	3/8"	X	18	22	350
S4710806	10	6	3/8"	1/2"	X	19	27	315
S4710608	12	8	1/2"	3/8"	X	18	22	350
S4710808	12	8	1/2"	1/2"	X	19	27	315
S4711008	12	8	1/2"	5/8"	X	19,5	30	315
S4711208	12	8	1/2"	3/4"	X	21,5	32	250
S4710810	16	10	5/8"	1/2"	X	19,4	27	NC
S4711010	16	10	5/8"	5/8"	X	20	30	315
S4711210	16	10	5/8"	3/4"	X	22	32	250
S4710812	19	12	3/4"	1/2"	X	20	27	NC
S4711012	19	12	3/4"	5/8"	X	20,5	30	NC
S4711212	19	12	3/4"	3/4"	X	22,5	32	250
S4711612	19	12	3/4"	1"	X	23,5	41	200
S4711216	25	16	1"	3/4"	X	24,2	32	NC
S4711616	25	16	1"	1"	X	24	41	200

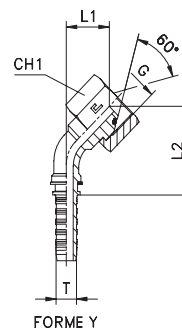
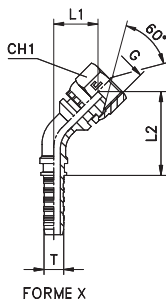
S481		FEMALE B.S.P.P 60° CONE SWEEP ELBOW - O-RING						
Part N°	Hose inner diameter			G	FORM	L1	CH1	PN (bar)
	DN	Dash	Inch					
S4810804	6	4	1/4"	1/2"	Y	22	27	350
S4810805	8	5	5/16"	1/2"	Y	22,5	27	350
S4812016	25	16	1"	1"1/4"	Y	32	50	200
S4812020	31	20	1"1/4"	1"1/4"	Y	33	50	200
S4812420	31	20	1"1/4"	1"1/2"	Y	35	55	160
S4812424	38	24	1"1/2"	1"1/2"	Y	36	55	160
S4813224	38	24	1"1/2"	2"	Y	37	70	125
S4813232	51	32	2"	2"	Y	38	70	125

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# B.S.P.P 60° CONE ISO 8434-6 (BS 5200)

“S” INSERTS  
TYPE



S472	FEMALE B.S.P.P 60° CONE 45° SWEEP ELBOW									
	Part N°	Hose inner diameter			G	FORM	L1	L2	CH1	PN (bar)
		DN	Dash	Inch						
S4720203	5	3	3/16"	1/8"	X	13,5	37	14	350	
S4720403	5	3	3/16"	1/4"	X	13,5	37	19	350	
S4720204	6	4	1/4"	1/8"	X	13,5	37	14	350	
S4720404	6	4	1/4"	1/4"	X	14	37,5	19	350	
S4720604	6	4	1/4"	3/8"	X	17,5	40,5	22	350	
S4720405	8	5	5/16"	1/4"	X	16,5	45	19	350	
S4720605	8	5	5/16"	3/8"	X	19	47,5	22	350	
S4720406	10	6	3/8"	1/4"	X	17,5	50	19	350	
S4720606	10	6	3/8"	3/8"	X	19	51,5	22	350	
S4720806	10	6	3/8"	1/2"	X	21	53,5	27	315	
S4720608	12	8	1/2"	3/8"	X	20,5	60,5	22	350	
S4720808	12	8	1/2"	1/2"	X	21	61	27	315	
S4721008	12	8	1/2"	5/8"	X	22	62,5	30	315	
S4721208	12	8	1/2"	3/4"	X	25,5	65,5	32	250	
S4721010	16	10	5/8"	5/8"	X	22	66	30	315	
S4721210	16	10	5/8"	3/4"	X	25	69	32	250	
S4721212	19	12	3/4"	3/4"	X	28	80,5	32	250	
S4721612	19	12	3/4"	1"	X	31	83,5	41	200	
S4721616	25	16	1"	1"	X	29	99,5	41	200	

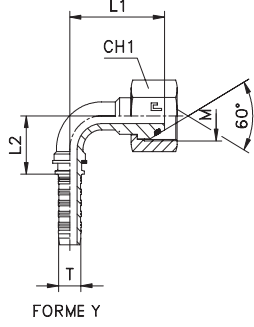
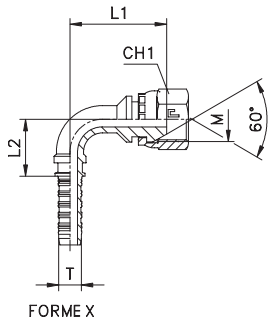
S482	FEMALE B.S.P.P 60° CONE 45° SWEEP ELBOW - O-RING									
	Part N°	Hose inner diameter			G	FORM	L1	L2	CH1	PN (bar)
		DN	Dash	Inch						
S4820804	6	4	1/4"	1/2"	Y	22	51,5	27	350	
S4820805	8	5	5/16"	1/2"	Y	21,5	52,5	27	350	
S4822016	25	16	1"	1 1/4"	Y	36,5	109	50	200	
S4822020	31	20	1 1/4"	1 1/4"	Y	39	126	50	200	
S4822420	31	20	1 1/4"	1 1/2"	Y	43	130	55	160	
S4822424	38	24	1 1/2"	1 1/2"	Y	46	160,5	55	160	
S4823224	38	24	1 1/2"	2"	Y	50,5	165	70	125	
S4823232	51	32	2"	2"	Y	57,5	212,5	70	125	

Nota: for a stainless steel item, please add «C» at the end of the reference.

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# B.S.P.P 60° CONE ISO 8434-6 (BS 5200)



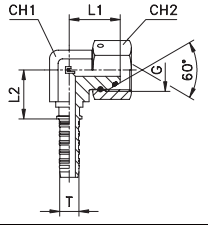
“S” INSERTS  
TYPE

## S473 FEMALE B.S.P.P 60° CONE 90° SWEPT ELBOW

Part N°	Hose inner diameter			G	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S4730203	5	3	3/16"	1/8"	X	26,5	21	14	350
S4730403	5	3	3/16"	1/4"	X	26	21	19	350
S4730204	6	4	1/4"	1/8"	X	26,5	21	14	350
S4730404	6	4	1/4"	1/4"	X	26,5	21	19	350
S4730604	6	4	1/4"	3/8"	X	30,5	21	22	350
S4730405	8	5	5/16"	1/4"	X	32	25,5	19	350
S4730605	8	5	5/16"	3/8"	X	35	25,5	22	350
S4730406	10	6	3/8"	1/4"	X	34,5	29	19	350
S4730606	10	6	3/8"	3/8"	X	36,5	29	22	350
S4730806	10	6	3/8"	1/2"	X	39,5	29	27	315
S4730608	12	8	1/2"	3/8"	X	40,5	35,5	22	350
S4730808	12	8	1/2"	1/2"	X	41,5	35,5	27	315
S4731008	12	8	1/2"	5/8"	X	43	35,5	30	315
S4731208	12	8	1/2"	3/4"	X	47,5	35,5	32	250
S4730810	16	10	5/8"	1/2"	X	44	40	27	NC
S4731010	16	10	5/8"	5/8"	X	45	39,5	30	315
S4731210	16	10	5/8"	3/4"	X	49	39,5	32	250
S4731212	19	12	3/4"	3/4"	X	58	46,5	32	250
S4731612	19	12	3/4"	1"	X	61,5	46,5	41	200
S4731616	25	16	1"	1"	X	62	63	41	200

## S483 FEMALE B.S.P.P 60° CONE 90° SWEPT ELBOW- O-RING

Part N°	Hose inner diameter			G	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S4830804	6	4	1/4"	1/2"	Y	40	26	27	350
S4820805	8	5	5/16"	1/2"	Y	40,5	27,5	27	350
S4832016	25	16	1"	1 1/4"	Y	76	63	50	200
S4832020	31	20	1 1/4"	1 1/4"	Y	83	75,5	50	200
S4832420	31	20	1 1/4"	1 1/2"	Y	88,5	75,5	55	160
S4832424	38	24	1 1/2"	1 1/2"	Y	99	100,5	55	160
S4823224	38	24	1 1/2"	2"	Y	111,5	101	70	125
S4833232	51	32	2"	2"	Y	127	137,5	70	125



## S484 FEMALE B.S.P.P 60° CONE 90° SWEPT ELBOW - O-RING - COMPACT

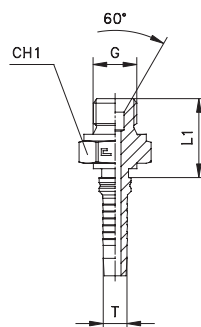
Part N°	Hose inner diameter			G	L1	L2	CH1	CH2	PN (bar)
	DN	Dash	Inch						
S4840203	5	3	3/16"	1/8"	22	16,5	11	14	400
S4840404	6	4	1/4"	1/4"	28,5	18,5	14	19	400
S4840605	8	5	5/16"	3/8"	32	22,5	19	22	350
S4840606	10	6	3/8"	3/8"	32	23	19	22	400
S4840808	12	8	1/2"	1/2"	38	25,5	22	27	350
S4841010	16	10	5/8"	5/8"	42	29	27	30	350
S4841212	19	12	3/4"	3/4"	43	32,5	27	32	315
S4841616	25	16	1"	1"	47	40	33	41	250

Nota: for a stainless steel item, please add «C» at the end of the reference.  
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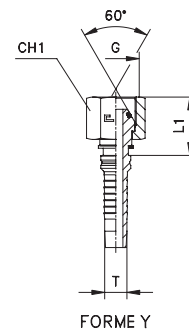
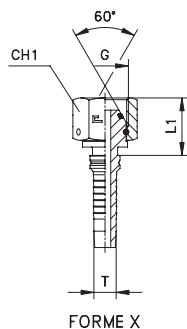
B.S.P.P

# B.S.P.P 60° CONE ISO 8434-6 (BS 5200)

**“SD” INSERTS  
TYPE**



SD311	MALE B.S.P.P 60° CONE							
	Part N°	Hose inner diameter			G	L1	CH1	PN (bar)
		DN	Dash	Inch				
SD3111212	19	12	3/4"	3/4"	34,5	32	315	
SD3111616	25	16	1"	1"	39	41	250	
SD3112016	25	16	1"	1"1/4	42	50	200	
SD3112020	31	20	1"1/4	1"1/4	44,5	50	200	
SD3112424	38	24	1"1/2	1"1/2	49,5	55	160	
SD3113232	51	32	2"	2"	57,5	70	125	

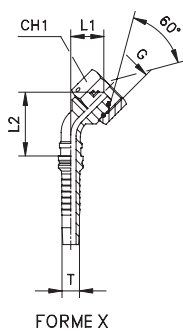


SD481	FEMALE B.S.P.P 60° CONE O-RING - THRUST-WIRE NUT								
	Part N°	Hose inner diameter			G	FORM	L1	CH1	PN (bar)
		DN	Dash	Inch					
SD4811212	19	12	3/4"	3/4"	X	22,5	32	315	
SD4811616	25	16	1"	1"	X	28	41	250	
SD4812016	25	16	1"	1"1/4	Y	31	50	200	
SD4812020	31	20	1"1/4	1"1/4	Y	32,5	50	200	
SD4812424	38	24	1"1/2	1"1/2	Y	34,5	55	160	
SD4813232	51	32	2"	2"	X	38	70	125	

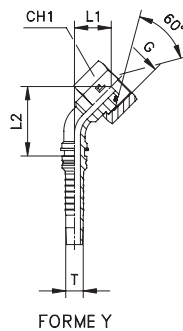
Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# B.S.P.P 60° CONE ISO 8434-6 (BS 5200)



FORME X

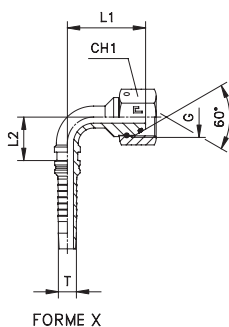


FORME Y

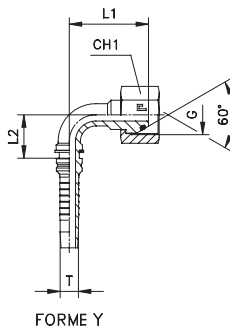


**“SD” INSERTS  
TYPE**

SD482	FEMALE B.S.P.P 60° CONE O-RING - THRUST-WIRE NUT - 45° SWEEP ELBOW								
	Part N°	Hose inner diameter			G	FORM	L1	L2	CH1
DN		Dash	Inch						
SD4821212	19	12	3/4"	3/4"	X	29,5	84	32	315
SD4821616	25	16	1"	1"	X	34,5	109,5	41	250
SD4822016	25	16	1"	1"1/4	Y	36,5	111,5	50	200
SD4822020	31	20	1"1/4	1"1/4	Y	39	129,5	50	200
SD4822424	38	24	1"1/2	1"1/2	Y	46	163	55	160
SD4823232	51	32	2"	2"	X	57,5	215,5	70	125



FORME X



FORME Y



SD483	FEMALE B.S.P.P 60° CONE O-RING - THRUST-WIRE NUT - 90° SWEEP ELBOW								
	Part N°	Hose inner diameter			G	FORM	L1	L2	CH1
DN		Dash	Inch						
SD4831212	19	12	3/4"	3/4"	X	60	48,5	32	315
SD4831616	25	16	1"	1"	X	70	68	41	250
SD4832016	25	16	1"	1"1/4	Y	72,5	68	50	200
SD4832020	31	20	1"1/4	1"1/4	Y	83	81	50	200
SD4832424	38	24	1"1/2	1"1/2	Y	99	105	55	160
SD4833232	51	32	2"	2"	X	127	142,5	70	125

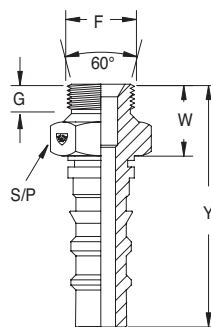
Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

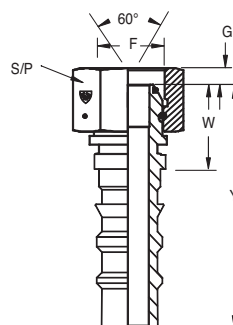
# B.S.P.P 60° CONE

## ISO 8434-6 (BS 5200)

**“SD” INSERTS**  
TYPE



SC311		MALE B.S.P.P 60° CONE								
Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	G	
SC3111212	3/4"	20	12	19,1	3/4"-14	38	89	32	17	420
SC3111612	3/4"	20	12	19,1	1"-11	43	94	41	19	420
SC3111616	1"	25	16	25,4	1"-11	45	101	41	19	420
SC3112016	1"	25	16	25,4	1"1/4-11	48	104	50	21,5	345
SC3112020	1"1/4	32	20	31,8	1"1/4-11	50	117	50	21,5	345
SC3112420	1"1/4	32	20	31,8	1"1/2-11	53	120	55	21,5	345
SC3112424	1"1/2	40	24	38,1	1"1/2-11	55	138	55	21,5	345
SC3113232	2"	50	32	50,8	2"-11	63	159	70	26	345

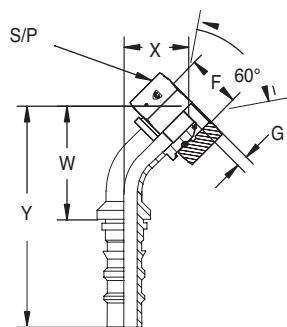


SC481		FEMALE B.S.P.P 60° CONE O-RING - THRUST-WIRE NUT									
Part N°	Hose inner diameter				Thread	Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	G	O-ring	
SC4811212	3/4"	20	12	19,1	3/4"-14	29	80	32	8,6	17x1,5	420
SC4811612	3/4"	20	12	19,1	1"-11	32	83	41	10	22x1,5	420
SC4811616	1"	25	16	25,4	1"-11	34	90	41	10	22x1,5	420
SC4812016	1"	25	16	25,4	1"1/4-11	37	93	50	10	28,3x1,78	345
SC4812020	1"1/4	32	20	31,8	1"1/4-11	39	106	50	10	28,3x1,78	345
SC4812420	1"1/4	32	20	31,8	1"1/2-11	41	107	60	12	33,05x1,78	345
SC4812424	1"1/2	40	24	38,1	1"1/2-11	43	125	60	12	33,05x1,78	345
SC4813232	2"	50	32	50,8	2"-11	47	143	75	16	44,17x1,78	345

Nota: for a stainless steel item, please add «C» at the end of the reference.

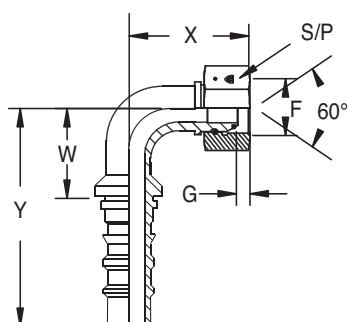
All the specifications are given as an indication, they may be updated in the interest of our customers.

# B.S.P.P 60° CONE ISO 8434-6 (BS 5200)



**“SC” INSERTS  
TYPE**

<b>SC482</b>		<b>FEMALE B.S.P.P 60° CONE O-RING - THRUST-WIRE NUT - 45° SWEEP ELBOW</b>										
Part N°	Hose inner diameter				Thread	Dimensions (mm)						PN (bar)
	Inch	DN	Dash	mm	F	W	Y	X	S/P	G	O-ring	
<b>SC4821212</b>	3/4"	20	12	19,1	3/4"-14	67	118	29	32	8,6	17X1,5	420
<b>SC4821612</b>	3/4"	20	12	19,1	1"-11	67	118	29	41	10	22X1,5	420
<b>SC4821616</b>	1"	25	16	25,4	1"-11	86	142	36	41	10	22X1,5	420
<b>SC4822016</b>	1"	25	16	25,4	1 1/4-11	86	142	36	50	10	28,3X1,78	345
<b>SC4822020</b>	1 1/4	32	20	31,8	1 1/4-11	103	169	43	50	10	28,3X1,78	345
<b>SC4822420</b>	1 1/4	32	20	31,8	1 1/2-11	103	169	43	60	12	33,05X1,78	345
<b>SC4822424</b>	1 1/2	40	24	38,1	1 1/2-11	123	206	51	60	12	33,05X1,78	345
<b>SC4823232</b>	2"	50	32	50,8	2"-11	160	257	65	75	16	44,17X1,78	345



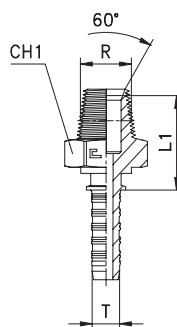
<b>SC483</b>		<b>FEMALE B.S.P.P 60° CONE O-RING - THRUST-WIRE NUT - 45° SWEEP ELBOW</b>										
Part N°	Hose inner diameter				Thread	Dimensions (mm)						PN (bar)
	Inch	DN	Dash	mm	F	W	Y	X	S/P	G	O-ring	
<b>SC4831212</b>	3/4"	20	12	19,1	3/4"-14	55	106	57	32	8,6	17X1,5	420
<b>SC4831612</b>	3/4"	20	12	19,1	1"-11	55	106	57	41	10	22X1,5	420
<b>SC4831616</b>	1"	25	16	25,4	1"-11	71	128	72	41	10	22X1,5	420
<b>SC4832016</b>	1"	25	16	25,4	1 1/4-11	71	128	72	50	10	28,3X1,78	345
<b>SC4832020</b>	1 1/4	32	20	31,8	1 1/4-11	87	154	88	50	10	28,3X1,78	345
<b>SC4832420</b>	1 1/4	32	20	31,8	1 1/2-11	87	154	88	60	12	33,05X1,78	345
<b>SC4832424</b>	1 1/2	40	24	38,1	1 1/2-11	105	188	104	60	12	33,05X1,78	345
<b>SC4833232</b>	2"	50	32	50,8	2"-11	140	237	137	75	16	44,17X1,78	345

Nota: for a stainless steel item, please add «C» at the end of the reference.

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# B.S.P.T TAPER 60° CONE ISO 8434-6 (BS 5200)

“S” INSERTS  
TYPE

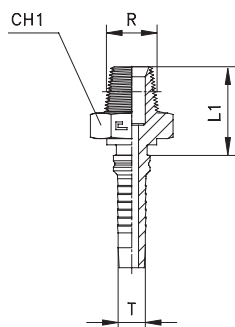


S321	MALE B.S.P.T TAPER 60° CONE							
	Part N°	Hose inner diameter			R	L1	CH1	PN (bar)
		DN	Dash	Inch				
S3210203	5	3	3/16"	1/8"	20	12	350	
S3210403	5	3	3/16"	1/4"	25	14	350	
S3210204	6	4	1/4"	1/8"	20	12	350	
S3210404	6	4	1/4"	1/4"	25	14	350	
S3210604	6	4	1/4"	3/8"	25	17	250	
S3210405	8	5	5/16"	1/4"	25,5	14	350	
S3210605	8	5	5/16"	3/8"	25,5	17	250	
S3210805	8	5	5/16"	1/2"	30,8	22	NC	
S3210406	10	6	3/8"	1/4"	25,4	17	NC	
S3210606	10	6	3/8"	3/8"	25,5	17	250	
S3210806	10	6	3/8"	1/2"	31	22	225	
S3210608	12	8	1/2"	3/8"	26,5	22	250	
S3210808	12	8	1/2"	1/2"	31	22	225	
S3210810	16	10	5/8"	1/2"	31,4	22	NC	
S3211210	16	10	5/8"	3/4"	33,5	27	200	
S3211212	19	12	3/4"	3/4"	34	27	200	
S3211612	19	12	3/4"	1"	40	36	160	
S3211616	25	16	1"	1"	41	36	160	
S3212016	25	16	1"	1"1/4"	44	46	160	
S3212020	31	20	1"1/4"	1"1/4"	45	46	160	
S3212424	38	24	1"1/2"	1"1/2"	49	50	160	
S3213232	51	32	2"	2"	53	65	100	

Nota: for a stainless steel item, please add «C» at the end of the reference.

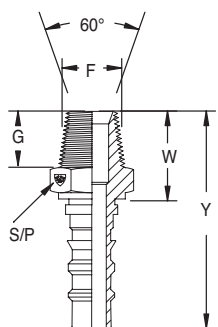
All the specifications are given as an indication , they may be updated in the interest of our customers.

# B.S.P.T TAPER 60° CONE ISO 8434-6 (BS 5200)



**“SD” INSERTS  
TYPE**

<b>SD321</b>		<b>MALE B.S.P.T TAPER 60° CONE</b>					
Part N°	Hose inner diameter			R	L1	CH1	PN (bar)
	DN	Dash	Inch				
<b>SD3211212</b>	19	12	3/4"	3/4"	34,5	27	200
<b>SD3211616</b>	25	16	1"	1"	41	36	160
<b>SD3212020</b>	31	20	1"1/4	1"1/4	46,5	46	160
<b>SD3212424</b>	38	24	1"1/2	1"1/2	49,5	50	160
<b>SD3213232</b>	51	32	2"	2"	55	65	100



**“SC” INSERTS  
TYPE**

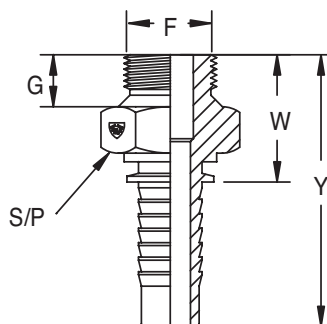
<b>SC321</b>		<b>MALE B.S.P.T TAPER 60° CONE</b>								
Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	F	W	Y	G	S/P	
<b>SC3211212</b>	3/4"	20	12	19,1	3/4"-14	37	88	27	19	420
<b>SC3211616</b>	1"	25	16	25,4	1"-11	44	101	36	21	380
<b>SC3212020</b>	1"1/4	32	20	31,8	1"1/4-11	51	118	46	24	325
<b>SC3212424</b>	1"1/2	40	24	38,1	1"1/2-11	54	137	50	25	290
<b>SC3213232</b>	2"	50	32	50,8	2"-11	64	160	65	26	250

B.S.P.T

Nota: for a stainless steel item, please add «C» at the end of the reference.  
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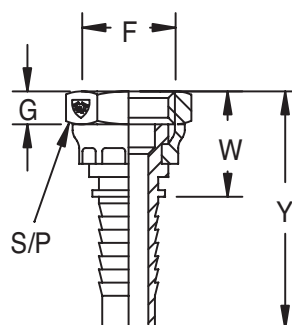
## B.S.P.P FLAT SEAT ISO 8434-6 (BS 5200)

“S” INSERTS  
TYPE



S331	MALE B.S.P FLAT SEAT										
	Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
		Inch	DN	Dash	mm		F	W	Y	S/P	
S3310404	1/4"	6	4	6,3	1/4"-19	25	53	19	11	400	
S3310604	1/4"	6	4	6,3	3/8"-19	27	55	22	13	400	
S3310605	5/16"	8	5	7,9	3/8"-19	27	55	22	13	400	
S3310606	3/8"	10	6	9,5	3/8"-19	27	58	22	13	400	
S3310806	3/8"	10	6	9,5	1/2"-14	32	62	27	14	350	
S3310808	1/2"	12	8	12,7	1/2"-14	33	66	27	14	350	
S3311008	1/2"	12	8	12,7	5/8"-14	35	68	30	16	350	
S3311208	1/2"	12	8	12,7	3/4"-14	36	69	32	17	315	
S3311010	5/8"	16	10	15,9	5/8"-14	35	71	30	16	350	
S3311210	5/8"	16	10	15,9	3/4"-14	36	72	32	17	315	
S3311212	3/4"	20	12	19,1	3/4"-14	37	77	32	17	315	
S3311612	3/4"	20	12	19,1	1"-11	42	82	41	19	250	
S3311616	1"	25	16	25,4	1"-11	43	94	41	19	250	
S3312020	1 1/4"	25	20	25,4	1 1/4"-11	47	105	50	21,5	200	

B.S.P.P



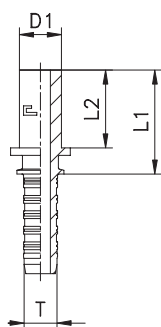
S421	FEMALE B.S.P FLAT SEAT										
	Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
		Inch	DN	Dash	mm		F	W	Y	S/P	
S4210404	1/4"	6	4	6,3	1/4"-19	15	43	19	7	350	
S4210604	1/4"	6	4	6,3	3/8"-19	18	46	22	9	350	
S4210605	5/16"	8	5	7,9	3/8"-19	18	46	22	9	350	
S4210606	3/8"	10	6	9,5	3/8"-19	17	47	22	9	350	
S4210806	3/8"	10	6	9,5	1/2"-14	19	49	27	10	315	
S4210808	1/2"	12	8	12,7	1/2"-14	19	52	27	10	315	
S4211008	1/2"	12	8	12,7	5/8"-14	21	54	30	11,5	315	
S4211208	1/2"	12	8	12,7	3/4"-14	23	56	32	12	250	
S4211010	5/8"	16	10	15,9	5/8"-14	20	56	30	11,5	315	
S4211210	5/8"	16	10	15,9	3/4"-14	23	59	32	12	250	
S4211212	3/4"	20	12	19,1	3/4"-14	22	63	32	12	250	
S4211612	3/4"	20	12	19,1	1"-11	25	65	41	14	200	
S4211616	1"	25	16	25,4	1"-11	25	76	41	14	200	
S4212020	1 1/4"	25	20	25,4	1 1/4"-11	28	90	50	15	160	

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.



# METRIC STAND-PIPE ISO 8434-6 (BS 5200)



“S” INSERTS  
TYPE

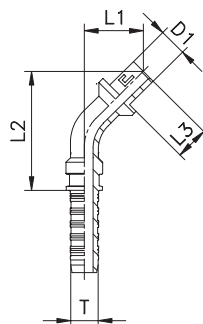
S511	METRIC STAND-PIPE - L/S SERIES						
	Part N°	Hose inner diameter			Tube dia. D1	L1	L2
DN		Dash	Inch				
S5110603	5	3	3/16"	6L/S	24,5	19	415
S5110803	5	3	3/16"	8L/S	28	22,5	415
S5110604	6	4	1/4"	6L/S	24,5	19	450
S5110804	6	4	1/4"	8L/S	28	22,5	450
S5111004	6	4	1/4"	10L/S	27	21,5	450
S5111204	6	4	1/4"	12L/S	31	25,5	450
S5111005	8	5	5/16"	10L/S	27,5	21,5	350
S5111205	8	5	5/16"	12L/S	31,5	25,5	350
S5111006	10	6	3/8"	10L/S	27,5	21,5	445
S5111206	10	6	3/8"	12L/S	31,5	25,5	445
S5111406	10	6	3/8"	14S	29,5	23,5	445
S5111506	10	6	3/8"	15L	29	23	315
S5111408	12	8	1/2"	14S	29,5	23,5	415
S5111508	12	8	1/2"	15L	29	23	315
S5111608	12	8	1/2"	16S	30	24	400
S5111808	12	8	1/2"	18L	27,5	21,5	315
S5111810	16	10	5/8"	18L	28	21,5	315
S5112010	16	10	5/8"	20S	34,5	28	350
S5112012	19	12	3/4"	20S	35	28	350
S5112212	19	12	3/4"	22L	29,5	22,5	160
S5112512	19	12	3/4"	25S	38	31	350
S5112516	25	16	1"	25S	39	31	280
S5112816	25	16	1"	28L	32	24	160
S5113016	25	16	1"	30S	42	34	280
S5113520	31	20	1"1/4	35L	39,5	30,5	160
S5113820	31	20	1"1/4	38S	49	40	210
S5113824	38	24	1"1/2	38S	52	40	185
S5114224	38	24	1"1/2	42L	42,5	32,5	160

Nota: for a stainless steel item, please add «C» at the end of the reference.

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# METRIC STAND-PIPE ISO 8434-6 (BS 5200)

“S” INSERTS  
TYPE

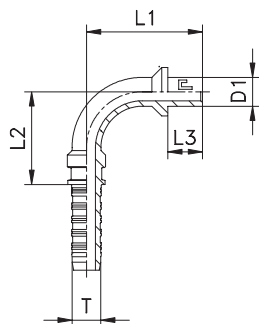


S512	METRIC STAND-PIPE 45° SWEEP ELBOW - L/S SERIES							
	Part N°	Hose inner diameter			Tube dia. D1	L1	L2	L3
DN		Dash	Inch					
S5120603	5	3	3/16"	6L/S	21,5	45,5	19	415
S5120803	5	3	3/16"	8L/S	23	47	22,5	415
S5120604	6	4	1/4"	6L/S	21,5	45,5	19	450
S5120804	6	4	1/4"	8L/S	23	47	22,5	450
S5121004	6	4	1/4"	10L/S	22	46	21,5	450
S5121204	6	4	1/4"	12L/S	25,5	49,5	25,5	450
S5121005	8	5	5/16"	10L/S	25	53,5	21,5	350
S5121205	8	5	5/16"	12L/S	28	56,5	25,5	350
S5121006	10	6	3/8"	10L/S	26	59	21,5	445
S5121206	10	6	3/8"	12L/S	29	61,5	25,5	445
S5121406	10	6	3/8"	14S	27,5	60,5	23,5	445
S5121506	10	6	3/8"	15L	27	60	23	315
S5121408	12	8	1/2"	14S	29	69	23,5	415
S5121508	12	8	1/2"	15L	28,5	68,5	23	315
S5121608	12	8	1/2"	16S	29	69	24	400
S5121808	12	8	1/2"	18L	27,5	67,5	21,5	315
S5121810	16	10	5/8"	18L	28,5	73,5	21,5	315
S5122010	16	10	5/8"	20S	33,5	78	28	350
S5122012	19	12	3/4"	20S	38	91	28	350
S5122212	19	12	3/4"	22L	34	87	22,5	160
S5122512	19	12	3/4"	25S	40	93	31	350
S5122516	25	16	1"	25S	41	111,5	31	280
S5122816	25	16	1"	28L	36	106,5	24	160
S5123016	25	16	1"	30S	43	113,5	34	280
S5123520	31	20	1"1/4	35L	47	132	30,5	160
S5123820	31	20	1"1/4	38S	53,5	139	40	210
S5123824	38	24	1"1/2	38S	59	172	40	185
S5124224	38	24	1"1/2	42L	54	166,5	32,5	160

Nota: for a stainless steel item, please add «C» at the end of the reference.

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# METRIC STAND-PIPE ISO 8434-6 (BS 5200)



“S” INSERTS  
TYPE

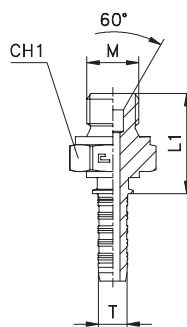
S513	METRIC STAND-PIPE 90° SWEEP ELBOW - L/S SERIES							
	Part N°	Hose inner diameter			Tube dia. D1	L1	L2	L3
DN		Dash	Inch					
S5130603	5	3	3/16"	6L/S	37	21,5	19	415
S5130803	5	3	3/16"	8L/S	38,5	21,5	22,5	415
S5130604	6	4	1/4"	6L/S	37	21,5	19	450
S5130804	6	4	1/4"	8L/S	38,5	21,5	22,5	450
S5131004	6	4	1/4"	10L/S	37,5	21,5	21,5	450
S5131204	6	4	1/4"	12L/S	42,5	21,5	25,5	450
S5131005	8	5	5/16"	10L/S	43,5	26	21,5	350
S5131205	8	5	5/16"	12L/S	47,5	26	25,5	350
S5131006	10	6	3/8"	10L/S	46,5	29,5	21,5	445
S5131206	10	6	3/8"	12L/S	50,5	29,5	25,5	445
S5131406	10	6	3/8"	14S	48,5	29,5	23,5	445
S5131506	10	6	3/8"	15L	48	29,5	23	315
S5131408	12	8	1/2"	14S	52,5	36	23,5	415
S5131508	12	8	1/2"	15L	52	36	23	315
S5131608	12	8	1/2"	16S	53	36	24	400
S5131808	12	8	1/2"	18L	50,5	36	21,5	315
S5131810	16	10	5/8"	18L	54,5	40	21,5	315
S5132010	16	10	5/8"	20S	61	40	28	350
S5132012	19	12	3/4"	20S	72	47	28	350
S5132212	19	12	3/4"	22L	66,5	47	22,5	160
S5132512	19	12	3/4"	25S	75	47	31	350
S5132516	25	16	1"	25S	79	63	31	280
S5132816	25	16	1"	28L	72	63	24	160
S5133016	25	16	1"	30S	82	63	34	280
S5133520	31	20	1 1/4"	35L	94,5	75,5	30,5	160
S5133820	31	20	1 1/4"	38S	104	75,5	40	210
S5133824	38	24	1 1/2"	38S	117,5	101	40	185
S5134224	38	24	1 1/2"	42L	110	101	32,5	160

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# METRIC DIN 60° CONE ISO 8434-6 (BS 5200)

“S” INSERTS  
TYPE

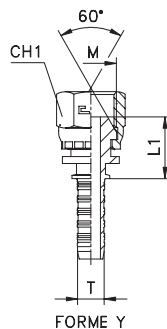
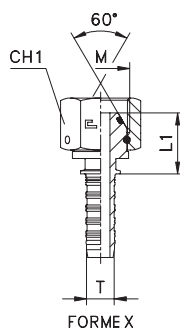


S611	MALE DIN 60° CONE							
	Part N°	Hose inner diameter			M	L1	CH1	PN (bar)
		DN	Dash	Inch				
S6111203	5	3	3/16"	12x1,5	24,5	17	400	
S6111204	6	4	1/4"	12x1,5	24,5	17	400	
S6111404	6	4	1/4"	14x1,5	24,5	19	400	
S6111604	6	4	1/4"	16x1,5	26,5	22	400	
S6111804	6	4	1/4"	18x1,5	27	24	400	
S6111405	8	5	5/16"	14x1,5	25	19	350	
S6111605	8	5	5/16"	16x1,5	27	22	350	
S6111805	8	5	5/16"	18x1,5	27,5	24	350	
S6111406	10	6	3/8"	14x1,5	25	19	400	
S6111606	10	6	3/8"	16x1,5	27	22	400	
S6111806	10	6	3/8"	18x1,5	27,5	24	400	
S6112006	10	6	3/8"	20x1,5	31	27	350	
S6112206	10	6	3/8"	22x1,5	31	27	350	
S6111808	12	8	1/2"	18x1,5	27,5	24	400	
S6112008	12	8	1/2"	20x1,5	31	27	350	
S6112208	12	8	1/2"	22x1,5	31	27	350	
S6112608	12	8	1/2"	26x1,5	34	32	315	
S6112610	16	10	5/8"	26x1,5	34,5	32	315	
S6112612	19	12	3/4"	26x1,5	35	32	315	
S6113012	19	12	3/4"	30x1,5	37	36	250	
S6113816	25	16	1"	38x1,5	37,5	46	200	
S6114520	31	20	1 1/4"	45x1,5	41,5	55	160	

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication , they may be updated in the interest of our customers.

# METRIC DIN 60° CONE ISO 8434-6 (BS 5200)



“S” INSERTS  
TYPE

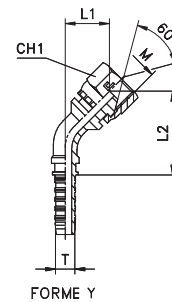
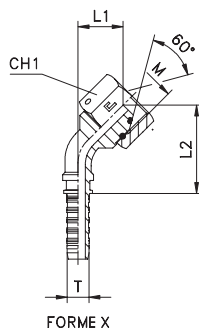
S711	FEMALE DIN 60° CONE								
	Part N°	Hose inner diameter			M	FORM	L1	CH1	PN (bar)
		DN	Dash	Inch					
S7111203	5	3	3/16"	12x1,5	Y	15,5	17	350	
S7111204	6	4	1/4"	12x1,5	Y	15,5	17	350	
S7111404	6	4	1/4"	14x1,5	Y	15,5	19	350	
S7111604	6	4	1/4"	16x1,5	Y	17,5	22	350	
S7111804	6	4	1/4"	18x1,5	Y	17,5	22	350	
S7111405	8	5	5/16"	14x1,5	Y	16	19	350	
S7111605	8	5	5/16"	16x1,5	Y	18	22	350	
S7111805	8	5	5/16"	18x1,5	Y	18	22	350	
S7111406	10	6	3/8"	14x1,5	Y	16	19	350	
S7111606	10	6	3/8"	16x1,5	Y	18	22	350	
S7111806	10	6	3/8"	18x1,5	Y	18	22	350	
S7112006	10	6	3/8"	20x1,5	Y	19	27	315	
S7112206	10	6	3/8"	22x1,5	Y	19	27	315	
S7111808	12	8	1/2"	18x1,5	Y	18	22	315	
S7112008	12	8	1/2"	20x1,5	Y	19	27	315	
S7112208	12	8	1/2"	22x1,5	Y	19	27	315	
S7112608	12	8	1/2"	26x1,5	Y	21,5	32	250	
S7112610	16	10	5/8"	26x1,5	Y	22	32	250	
S7112612	19	12	3/4"	26x1,5	Y	22,5	32	250	
S7113012	19	12	3/4"	30x1,5	X	26	36	250	
S7113816	25	16	1"	38x1,5	X	31	46	200	
S7114520	31	20	1"1/4	45x1,5	X	34	55	160	

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication , they may be updated in the interest of our customers.

# METRIC DIN 60° CONE ISO 8434-6 (BS 5200)

“S” INSERTS  
TYPE

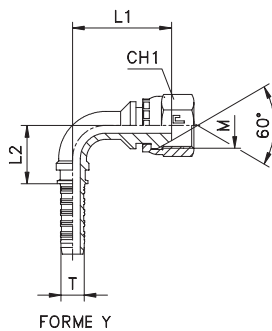
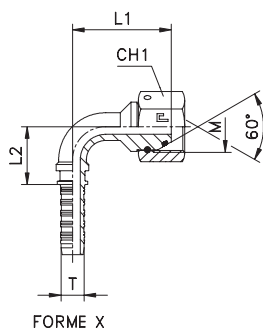


S712	FEMALE DIN 60° CONE CRIMPED NUT 45° SWEEP ELBOW									
	Part N°	Hose inner diameter			M	FORM	L1	L2	CH1	PN (bar)
		DN	Dash	Inch						
S7121203	5	3	3/16"	12x1,5	Y	13,5	37	17	350	
S7121204	6	4	1/4"	12x1,5	Y	13,5	37	17	350	
S7121404	6	4	1/4"	14x1,5	Y	14	37,5	19	350	
S7121604	6	4	1/4"	16x1,5	Y	17,5	40,5	22	350	
S7121804	6	4	1/4"	18x1,5	Y	17,5	40,5	22	350	
S7121405	8	5	5/16"	14x1,5	Y	16,5	45	19	350	
S7121605	8	5	5/16"	16x1,5	Y	19	47,5	22	350	
S7121805	8	5	5/16"	18x1,5	Y	19	47,5	22	350	
S7121406	10	6	3/8"	14x1,5	Y	17,5	50	19	350	
S7121606	10	6	3/8"	16x1,5	Y	19	51,5	22	350	
S7121806	10	6	3/8"	18x1,5	Y	19	51,5	22	350	
S7122006	10	6	3/8"	20x1,5	Y	21	53,5	27	315	
S7122206	10	6	3/8"	22x1,5	Y	21	53,5	27	315	
S7121808	12	8	1/2"	18x1,5	Y	20,5	60,5	22	315	
S7122008	12	8	1/2"	20x1,5	Y	21	61	27	315	
S7122208	12	8	1/2"	22x1,5	Y	21	61	27	315	
S7122608	12	8	1/2"	26x1,5	Y	25,5	65,5	32	250	
S7122610	16	10	5/8"	26x1,5	Y	25	69	32	250	
S7122612	19	12	3/4"	26x1,5	Y	28	80,5	32	250	
S7123820	19	12	3/4"	30x1,5	X	33,5	87,5	36	250	
S7123816	25	16	1"	38x1,5	X	37,5	110	46	200	
S7124520	31	20	1 1/4"	45x1,5	X	46	133	55	160	

Nota: for a stainless steel item, please add «C» at the end of the reference.

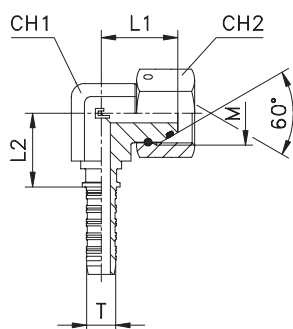
All the specifications are given as an indication , they may be updated in the interest of our customers.

# METRIC DIN 60° CONE ISO 8434-6 (BS 5200)



“S” INSERTS  
TYPE

Part N°	FEMALE DIN 60° CONE CRIMPED NUT 90° SWEPT ELBOW								
	Hose inner diameter			M	FORM	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S7131203	5	3	3/16"	12x1,5	Y	26,5	21	17	350
S7131204	6	4	1/4"	12x1,5	Y	26,5	21	17	350
S7131404	6	4	1/4"	14x1,5	Y	26,5	21	19	350
S7131604	6	4	1/4"	16x1,5	Y	30,5	21	22	350
S7131804	6	4	1/4"	18x1,5	Y	30,5	21	22	350
S7131405	8	5	5/16"	14x1,5	Y	32	25,5	19	350
S7131605	8	5	5/16"	16x1,5	Y	35	25,5	22	350
S7131805	8	5	5/16"	18x1,5	Y	35	25,5	22	350
S7131406	10	6	3/8"	14x1,5	Y	34,5	29	19	350
S7131606	10	6	3/8"	16x1,5	Y	36,5	29	22	350
S7131806	10	6	3/8"	18x1,5	Y	36,5	29	22	350
S7132006	10	6	3/8"	20x1,5	Y	39,5	29	27	315
S7132206	10	6	3/8"	22x1,5	Y	39,5	29	27	315
S7131808	12	8	1/2"	18x1,5	Y	40,5	35,5	22	315
S7132008	12	8	1/2"	20x1,5	Y	41,5	35,5	27	315
S7132208	12	8	1/2"	22x1,5	Y	41,5	35,5	27	315
S7132608	12	8	1/2"	26x1,5	Y	47,5	35,5	32	250
S7132610	16	10	5/8"	26x1,5	Y	49	39,5	32	250
S7132612	19	12	3/4"	26x1,5	Y	58	46,5	32	250
S7133820	19	12	3/4"	30x1,5	X	65,5	47	36	250
S7133816	25	16	1"	38x1,5	X	74	63	46	200
S7134520	31	20	1 1/4"	45x1,5	X	93	75,5	55	160



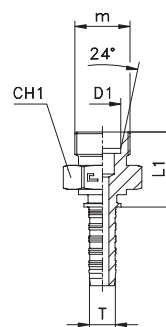
Part N°	FEMALE DIN 60° CONE CRIMPED NUT 90° SWEPT ELBOW - O-RING - COMPACT								
	Hose inner diameter			M	L1	L2	CH1	CH2	PN (bar)
	DN	Dash	Inch						
S7141203	5	3	3/16"	12x1,5	22	16,5	11	17	400
S7141404	6	4	1/4"	14x1,5	28,5	18,5	14	19	400
S7141605	8	5	5/16"	16x1,5	32	22,5	19	22	350
S7141806	10	6	3/8"	18x1,5	33	23	19	24	400
S7142208	12	8	1/2"	22x1,5	37	25,5	22	27	350
S7142610	16	10	5/8"	26x1,5	44,5	29	27	32	315
S7142612	19	12	3/4"	26x1,5	43	32,5	27	32	315
S7143816	25	16	1"	38x1,5	54	43	41	46	200

Nota: for a stainless steel item, please add «C» at the end of the reference.  
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METRIC

# METRIC 24° CONE ISO 8434-1 (DIN 2353)

“S” INSERTS  
TYPE



S 621		MALE METRIC 24° CONE - LIGHT SERIES						
Part N°	Hose inner diameter			Tube dia. D1	M	L1	CH1	PN (bar)
	DN	Dash	Inch					
S6210603	5	3	3/16"	6L	12x1,5	19,5	12	315
S6210803	5	3	3/16"	8L	14x1,5	20,5	14	315
S6210604	6	4	1/4"	6L	12x1,5	19,5	12	NC
S6210804	6	4	1/4"	8L	14x1,5	20,5	14	315
S6211004	6	4	1/4"	10L	16x1,5	21,5	17	315
S6211204	6	4	1/4"	12L	18x1,5	22,5	19	315
S6211005	8	5	5/16"	10L	16x1,5	22	17	315
S6211205	8	5	5/16"	12L	18x1,5	23	19	315
S6211006	10	6	3/8"	10L	16x1,5	21,9	17	NC
S6211206	10	6	3/8"	12L	18x1,5	23	19	315
S6211506	10	6	3/8"	15L	22x1,5	24	24	315
S6211508	12	8	1/2"	15L	22x1,5	24	24	315
S6211808	12	8	1/2"	18L	26x1,5	25	27	315
S6211810	16	10	5/8"	18L	26x1,5	25,5	27	315
S6212210	16	10	5/8"	12L	30x2	27,4	32	NC
S6212212	19	12	3/4"	22L	30x2	28	32	160
S6212816	25	16	1"	28L	36x2	30	41	160
S6213520	31	20	1"1/4	35L	45x2	34	46	160
S6214224	38	24	1"1/2	42L	52x2	37	55	160

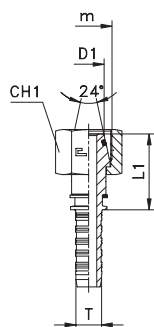
S 631		MALE METRIC 24° CONE - HEAVY SERIES						
Part N°	Hose inner diameter			Tube dia. D1	M	L1	CH1	PN (bar)
	DN	Dash	Inch					
S6310603	5	3	3/16"	6S	14x1,5	23,5	14	415
S6310803	5	3	3/16"	8S	16x1,5	25,5	17	415
S6310604	6	4	1/4"	6S	14x1,5	23,5	14	450
S6310804	6	4	1/4"	8S	16x1,5	25,5	17	450
S6311004	6	4	1/4"	10S	18x1,5	25,5	19	450
S6311204	6	4	1/4"	12S	20x1,5	27,5	22	450
S6311005	8	5	5/16"	10S	18x1,5	26	19	350
S6311205	8	5	5/16"	12S	20x1,5	28	22	350
S6311006	10	6	3/8"	10S	18x1,5	30	19	NC
S6311206	10	6	3/8"	12S	20x1,5	28	22	445
S6311406	10	6	3/8"	14S	22x1,5	30	24	445
S6311408	12	8	1/2"	14S	22x1,5	30	24	415
S6311608	12	8	1/2"	16S	24x1,5	30	27	400
S6312010	16	10	5/8"	20S	30x2	34,5	32	350
S6312012	19	12	3/4"	20S	30x2	35	32	350
S6312512	19	12	3/4"	25S	36x2	39	41	350
S6312516	25	16	1"	25S	36x2	40	41	280
S6313016	25	16	1"	30S	42x2	42	46	280
S6313820	31	20	1"1/4	38S	52x2	48	55	210

Nota: for a stainless steel item, please add «C» at the end of the reference.

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# METRIC 24° CONE ISO 8434-1 (DIN 2353)



“S” INSERTS  
TYPE

S761	FEMALE METRIC 24° CONE O-RING - LIGHT SERIES							
	Part N°	Hose inner diameter			24° Cone D1	M	L1	CH1
DN		Dash	Inch					
S7610603	5	3	3/16"	6L	12x1,5	22,5	14	315
S7610803	5	3	3/16"	8L	14x1,5	23,5	17	315
S7610604	6	4	1/4"	6L	12x1,5	20	17	NC
S7610804	6	4	1/4"	8L	14x1,5	23,5	17	315
S7611004	6	4	1/4"	10L	16x1,5	25	19	315
S7611204	6	4	1/4"	12L	18x1,5	25	22	315
S7611005	8	5	5/16"	10L	16x1,5	25,5	19	315
S7611205	8	5	5/16"	12L	18x1,5	25,5	22	315
S7611006	10	6	3/8"	10L	16x1,5	30	19	NCs
S7611206	10	6	3/8"	12L	18x1,5	25,5	22	315
S7611506	10	6	3/8"	15L	22x1,5	26	27	315
S7611508	12	8	1/2"	15L	22x1,5	26	27	315
S7611808	12	8	1/2"	18L	26x1,5	27	32	315
S7611810	16	10	5/8"	18L	26x1,5	27,5	32	315
S7612210	16	10	5/8"	22L	30x2	28,5	36	NC
S7611812	19	12	3/4"	18L	26x1,5	31	32	NC
S7612212	19	12	3/4"	22L	30x2	29,5	36	160
S7612816	25	16	1"	28L	36x2	31	41	160
S7613520	31	20	1"1/4	35L	45x2	36,5	50	160
S7614224	38	24	1"1/2	42L	52x2	37,5	60	160

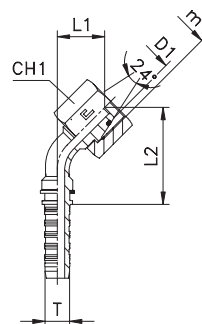
S771	FEMALE METRIC 24° CONE - HEAVY SERIES							
	Part N°	Hose inner diameter			24° Cone D1	M	L1	CH1
DN		Dash	Inch					
S7710603	5	3	3/16"	6S	14x1,5	24,5	17	415
S7710803	5	3	3/16"	8S	16x1,5	23,5	19	415
S7710604	6	4	1/4"	6S	14x1,5	24,5	17	450
S7710804	6	4	1/4"	8S	16x1,5	23,5	19	450
S7711004	6	4	1/4"	10S	18x1,5	25	22	450
S7711204	6	4	1/4"	12S	20x1,5	25	24	450
S7711005	8	5	5/16"	10S	18x1,5	25,5	22	350
S7711205	8	5	5/16"	12S	20x1,5	25,5	24	350
S7711206	10	6	3/8"	12S	20x1,5	25,5	24	445
S7711406	10	6	3/8"	14S	22x1,5	29,5	27	445
S7711006	10	6	3/8"	10S				
S7711408	12	8	1/2"	14S	22x1,5	29,5	27	415
S7711608	12	8	1/2"	16S	24x1,5	29,5	30	400
S7712010	16	10	5/8"	20S	30x2	34,5	36	350
S7712012	19	12	3/4"	20S	30x2	35	36	350
S7712512	19	12	3/4"	25S	36x2	35	41	350
S7712516	25	16	1"	25S	36x2	35,5	41	280
S7713016	25	16	1"	30S	42x2	40,5	50	280
S7713020	31	20	1"1/4	30S				
S7713820	31	20	1"1/4	38S	52x2	45	60	210

Nota: for a stainless steel item, please add «C» at the end of the reference.

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# METRIC 24° CONE ISO 8434-1 (DIN 2353)

“S” INSERTS  
TYPE



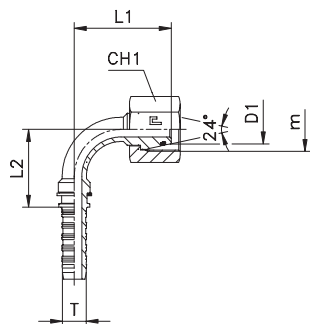
S762 FEMALE METRIC 24° CONE O-RING 45° SWEEP ELBOW LIGHT SERIES									
Part N°	Hose inner diameter			24° Cone D1	M	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S7620603	5	3	3/16"	6L	12x1,5	16,5	46	14	315
S7620803	5	3	3/16"	8L	14x1,5	17	46,5	17	315
S7620604	6	4	1/4"	6L	12x1,5	18	42	14	NC
S7620804	6	4	1/4"	8L	14x1,5	17	46,5	17	315
S7621004	6	4	1/4"	10L	16x1,5	17,5	47	19	315
S7621204	6	4	1/4"	12L	18x1,5	18,5	47,5	22	315
S7621005	8	5	5/16"	10L	16x1,5	17,5	48,5	19	315
S7621205	8	5	5/16"	12L	18x1,5	17,5	49	22	315
S7621006	10	6	3/8"	10L	16x1,5	21	55	19	NC
S7621206	10	6	3/8"	12L	18x1,5	18,5	54	22	315
S7621506	10	6	3/8"	15L	22x1,5	21	56,5	27	315
S7621508	12	8	1/2"	15L	22x1,5	20,5	60	27	315
S7621808	12	8	1/2"	18L	26x1,5	22,5	62,5	32	315
S7621810	16	10	5/8"	18L	26x1,5	22,5	67	32	315
S7622210	16	10	5/8"	22L	30x2	24	69	36	NC
S7622212	19	12	3/4"	22L	30x2	27	81	36	160
S7622816	25	16	1"	28L	36x2	29,5	99,5	41	160
S7623520	31	20	1 1/4"	35L	45x2	37	122	50	160
S7624224	38	24	1 1/2"	42L	52x2	43	155,5	60	160

S772 FEMALE METRIC 24° CONE O-RING 45° SWEEP ELBOW HEAVY SERIES									
Part N°	Hose inner diameter			24° Cone D1	M	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S7720603	5	3	3/16"	6S	14x1,5	16,5	46	17	415
S7720803	5	3	3/16"	8S	16x1,5	17	46,5	19	415
S7720604	6	4	1/4"	6S	14x1,5	16,5	46	17	450
S7720804	6	4	1/4"	8S	16x1,5	17	46,5	19	450
S7721004	6	4	1/4"	10S	18x1,5	17,5	47	22	450
S7721204	6	4	1/4"	12S	20x1,5	18,5	47,5	24	450
S7721005	8	5	5/16"	10S	18x1,5	17,5	48,5	22	350
S7721205	8	5	5/16"	12S	20x1,5	18	49	24	350
S7721006	10	6	3/8"	10S	18x1,5	24	57	22	NC
S7721206	10	6	3/8"	12S	20x1,5	18,5	54	24	445
S7721406	10	6	3/8"	14S	22x1,5	22,5	57,5	27	445
S7721408	12	8	1/2"	14S	22x1,5	22	62	27	415
S7721608	12	8	1/2"	16S	24x1,5	21,5	61,5	30	400
S7722010	16	10	5/8"	20S	30x2	25,5	70	36	350
S7722012	19	12	3/4"	20S	30x2	28,5	82,5	36	350
S7722512	19	12	3/4"	25S	36x2	31	85	41	350
S7722516	25	16	1"	25S	36x2	29,5	99,5	41	280
S7723016	25	16	1"	30S	42x2	34	104,5	50	280
S7723820	31	20	1 1/4"	38S	52x2	38,5	123,5	60	210

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# METRIC 24° CONE ISO 8434-1 (DIN 2353)



“S” INSERTS  
TYPE

<b>S763 FEMALE METRIC 24° CONE O-RING 45° SWEEP ELBOW LIGHT SERIES</b>									
Part N°	Hose inner diameter			24° Cone D1	M	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S7630603	5	3	3/16"	6L	12x1,5	33	26	14	315
S7630803	5	3	3/16"	8L	14x1,5	33	26	17	315
S7630604	6	4	1/4"	6L	12x1,5	33	22	14	NC
S7630804	6	4	1/4"	8L	14x1,5	33	26	17	315
S7631004	6	4	1/4"	10L	16x1,5	34,5	26	19	315
S7631204	6	4	1/4"	12L	18x1,5	35	26	22	315
S7631005	8	5	5/16"	10L	16x1,5	32,5	29	19	315
S7631205	8	5	5/16"	12L	18x1,5	35,5	27,5	22	315
S7631006	10	6	3/8"	10L	16x1,5	40	31	19	NC
S7631206	10	6	3/8"	12L	18x1,5	37	32	22	315
S7631506	10	6	3/8"	15L	22x1,5	40,5	32	27	315
S7631508	12	8	1/2"	15L	22x1,5	41	35,5	27	315
S7631808	12	8	1/2"	18L	26x1,5	43,5	35,5	32	315
S7631810	16	10	5/8"	18L	26x1,5	45,5	40	32	315
S7632210	16	10	5/8"	22L	30x2	48	40	36	NC
S7632212	19	12	3/4"	22L	30x2	56,5	47,5	36	160
S7632816	25	16	1"	28L	36x2	63	63	41	160
S7633520	31	20	1"1/4	35L	45x2	80	75,5	50	160
S7634224	38	24	1"1/2	42L	52x2	95	101	60	160

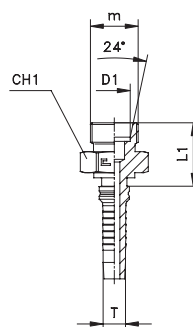
<b>S773 FEMALE METRIC 24° CONE O-RING 90° SWEEP ELBOW HEAVY SERIES</b>									
Part N°	Hose inner diameter			24° Cone D1	M	L1	L2	CH1	PN (bar)
	DN	Dash	Inch						
S7730603	5	3	3/16"	6S	14x1,5	32,5	26	17	415
S7730803	5	3	3/16"	8S	16x1,5	33	26	19	415
S7730604	6	4	1/4"	6S	14x1,5	32,5	26	17	450
S7730804	6	4	1/4"	8S	16x1,5	33	26	19	450
S7731004	6	4	1/4"	10S	18x1,5	34,5	26	22	450
S7731204	6	4	1/4"	12S	20x1,5	35	26	24	450
S7731005	8	5	5/16"	10S	18x1,5	35	27,5	22	350
S7731205	8	5	5/16"	12S	20x1,5	35,5	27,5	24	350
S7731006	10	6	3/8"	10S	18x1,5	44	29	22	NC
S7731206	10	6	3/8"	12S	20x1,5	37	32	24	445
S7731406	10	6	3/8"	14S	22x1,5	42,5	32	27	445
S7731408	12	8	1/2"	14S	22x1,5	43	35,5	27	415
S7731608	12	8	1/2"	16S	24x1,5	42,5	35,5	30	400
S7732010	16	10	5/8"	20S	30x2	49,5	40	36	350
S7732012	19	12	3/4"	20S	30x2	58,5	47,5	36	350
S7732512	19	12	3/4"	25S	36x2	61,5	47,5	41	350
S7732516	25	16	1"	25S	36x2	62,5	63	41	280
S7733016	25	16	1"	30S	42x2	69,5	63	50	280
S7733820	31	20	1"1/4	38S	52x2	82,5	75,5	60	210

Nota: for a stainless steel item, please add «C» at the end of the reference.

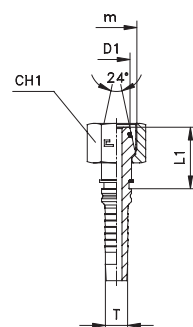
All the specifications are given as an indication, they may be updated in the interest of our customers.

# METRIC 24° CONE ISO 8434-1 (DIN 2353)

**“SD” INSERTS  
TYPE**



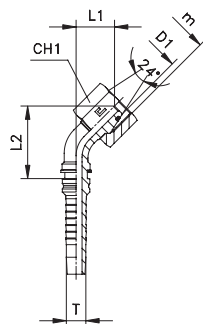
SD631	MALE METRIC 24° CONE - HEAVY SERIES								
	Part N°	Hose inner diameter			24° Cone D1	M	L1	CH1	PN (bar)
		DN	Dash	Inch					
SD6312012	19	12	3/4"	20S	30x2	34,5	32	420	
SD6312512	19	12	3/4"	25S	36x2	38,5	41	420	
SD6312516	25	16	1"	25S	36x2	39	41	420	
SD6313016	25	16	1"	30S	42x2	41	46	420	
SD6313820	31	20	1 1/4"	38S	52x2	48,5	55	420	



SD771	FEMALE METRIC 24° CONE O-RING HEAVY SERIES								
	Part N°	Hose inner diameter			24° Cone D1	M	L1	CH1	PN (bar)
		DN	Dash	Inch					
SD7712012	19	12	3/4"	20S	30x2	34,5	36	420	
SD7712512	19	12	3/4"	25S	36x2	36,5	46	420	
SD7712516	25	16	1"	25S	36x2	37	46	420	
SD7713016	25	16	1"	30S	42x2	40	50	420	
SD7713820	31	20	1 1/4"	38S	52x2	45,5	60	420	

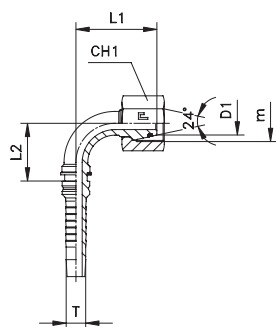
Nota: for a stainless steel item, please add «C» at the end of the reference.  
All the specifications are given as an indication, they may be updated in the interest of our customers.

# METRIC 24° CONE ISO 8434-1 (DIN 2353)



“SD” INSERTS  
TYPE

SD772	FEMALE METRIC 24° CONE O-RING 45° SWEPT ELBOW HEAVY SERIES								
	Part N°	Hose inner diameter			Tube dia. 24° cone	M	L1	L2	CH1
DN		Dash	Inch						
SD7722012	19	12	3/4"	20S	30x2	28,5	84	36	420
SD7722512	19	12	3/4"	25S	36x2	33	88,5	46	420
SD7722516	25	16	1"	25S	36x2	31,5	106,5	46	420
SD7723016	25	16	1"	30S	42x2	36	111	50	420
SD7723820	31	20	1"1/4	38S	52x2	40,5	131	60	420



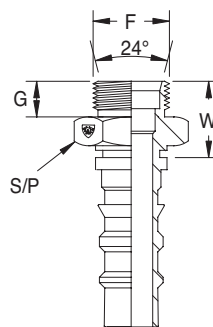
SD773	FEMALE METRIC 24° CONE O-RING 90° SWEPT ELBOW HEAVY SERIES								
	Part N°	Hose inner diameter			Tube dia. 24° cone	M	L1	L2	CH1
DN		Dash	Inch						
SD7732012	19	12	3/4"	20S	30x2	58,5	49	36	420
SD7732512	19	12	3/4"	25S	36x2	64,5	49	46	420
SD7732516	25	16	1"	25S	36x2	65,5	68	46	420
SD7733016	25	16	1"	30S	42x2	72	68	50	420
SD7733820	31	20	1"1/4	38S	52x2	85	81	60	420

Nota: for a stainless steel item, please add «C» at the end of the reference.

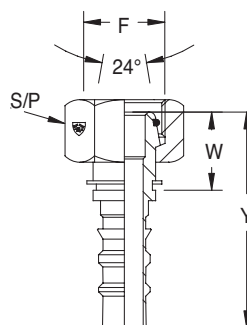
All the specifications are given as an indication, they may be updated in the interest of our customers.

# METRIC 24° CONE ISO 8434-1 (DIN 2353)

**“SC” INSERTS  
TYPE**



<b>SC631 MALE METRIC 24° CONE - HEAVY SERIES</b>											
Part N°	Hose inner diameter				Thread	Tube	Dimensions(mm)				PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	S/P	G	
<b>SC6312012</b>	3/4"	20	12	19,1	M30X2	20	34	85	30	16	420
<b>SC6312512</b>	3/4"	20	12	19,1	M36X2	25	38	89	36	18	420
<b>SC6312516</b>	1"	25	16	25,4	M36X2	25	40	97	36	18	420
<b>SC6313016</b>	1"	25	16	25,4	M42X2	30	44	101	46	20	420
<b>SC6313020</b>	1"1/4	32	20	31,8	M42X2	30	47	113	46	20	420
<b>SC6313820</b>	1"1/4	32	20	31,8	M52X2	38	51	117	55	20	420
<b>SC6313824</b>	1"1/2	40	24	38,1	m52x2	38	53	135	55	22	420

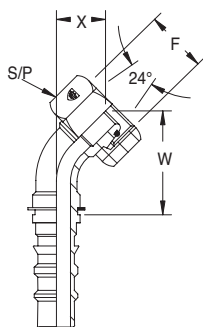


<b>SC771 FEMALE METRIC 24° CONE O-RING HEAVY SERIES</b>												
Part N°	Hose inner diameter				Thread	Tube	Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	S/P	G	O-ring	
<b>SC7712012</b>	3/4"	20	12	19,1	M30X2	20	37	88	36	4	16,3x2,4	420
<b>SC7712512</b>	3/4"	20	12	19,1	M36X2	25	39	90	46	7	20,3x2,4	420
<b>SC7712516</b>	1"	25	16	25,4	M36X2	25	41	97	46	7	22x2	420
<b>SC7713016</b>	1"	25	16	25,4	M42X2	30	42	98	50	8,7	25,3x2,4	420
<b>SC7713020</b>	1"1/4	32	20	31,8	M42X2	30	43	109	50	8,7	25,3x2,4	420
<b>SC7713820</b>	1"1/4	32	20	31,8	M52X2	38	48	115	60	12	33,3x2,4	420
<b>SC7713824</b>	1"1/2	40	24	38,1	M52X2	38	51	133	60	12	33,3x2,4	420

Nota: for a stainless steel item, please add «C» at the end of the reference.

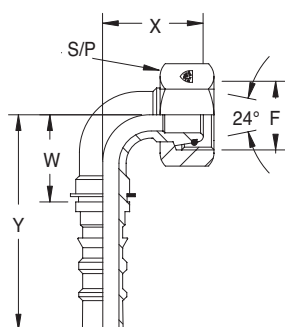
All the specifications are given as an indication , they may be updated in the interest of our customers.

# METRIC 24° CONE ISO 8434-1 (DIN 2353)



**“SC” INSERTS  
TYPE**

<b>SC772</b>		<b>FEMALE METRIC 24° CONE O-RING 45° SWEPT ELBOW HEAVY SERIES</b>											
Part N°	Hose inner diameter				Thread	Tube	Dimensions (mm)						PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	X	S/P	G	O-ring	
<b>SC7722012</b>	3/4"	20	12	19,1	M30X2	20	65	116	27	36	4	16,3x2,4	420
<b>SC7722512</b>	3/4"	20	12	19,1	M36X2	25	66	117	28	46	7	20,3x2,4	420
<b>SC7722516</b>	1"	25	16	25,4	M36X2	25	83	140	34	46	7	22x2	420
<b>SC7723016</b>	1"	25	16	25,4	M42X2	30	82	138	32	50	8,7	25,3x2,4	420
<b>SC7723020</b>	1"1/4	32	20	31,8	M42X2	30	97	164	38	60	12	25,3x2,4	420
<b>SC7723820</b>	1"1/4	32	20	31,8	M52X2	38	100	166	40	50	8,7	33,3x2,4	420
<b>SC7723824</b>	1"1/2	40	24	38,1	M52X2	38	121	203	48	60	12	33,3x2,4	420



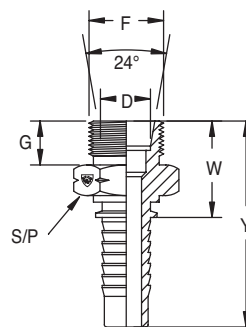
<b>SC773</b>		<b>FEMALE METRIC 24° CONE O-RING 90° SWEPT ELBOW HEAVY SERIES</b>											
Part N°	Hose inner diameter				Thread	Tube	Dimensions (mm)						PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	X	S/P	G	O-ring	
<b>SC7732012</b>	3/4"	20	12	19,1	M30X2	20	55	106	55	36	4	16,3x2,4	420
<b>SC7732512</b>	3/4"	20	12	19,1	M36X2	25	55	106	55	46	7	20,3x2,4	420
<b>SC7732516</b>	1"	25	16	25,4	M36X2	25	71	128	69	46	7	22x2	420
<b>SC7733016</b>	1"	25	16	25,4	M42X2	30	71	128	67	50	8,7	25,3x2,4	420
<b>SC7733020</b>	1"1/4	32	20	31,8	M42X2	30	87	154	83	50	8,7	25,3x2,4	420
<b>SC7733820</b>	1"1/4	32	20	31,8	M52X2	38	87	154	80	60	12	33,3x2,4	420
<b>SC7733824</b>	1"1/2	40	24	38,1	M52X2	38	105	188	100	60	12	33,3x2,4	420

METRIC

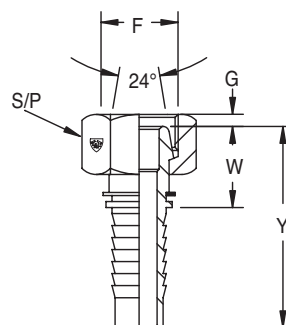
Nota: for a stainless steel item, please add «C» at the end of the reference.  
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# METRIC 24° CONE FRENCH GAZ SERIES

“S” INSERTS  
TYPE



Part N°	S641 MALE METRIC FRENCH GAZ 24° CONE											
	Hose inner diameter				Thread	Tube	Dimensions(mm)					PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	D	S/P	G	
S6411304	1/4"	6	4	6,3	M20x1,5	13,25	26,7	55	13,25	22	12	NC
S6411305	5/16"	8	5	7,9	M20x1,5	13,25	26,7	55	13,25	22	12	NC
S6411306	3/8"	10	6	9,5	M20x1,5	13,25	26,7	57	13,25	22	14	NC
S6411706	3/8"	10	6	9,5	M24x1,5	16,75	30,2	61	16,75	27	12	NC
S6411708	1/2"	12	8	12,7	M24x1,5	16,75	30,7	64	16,75	27	14	NC
S6412108	1/2"	12	8	12,7	M30x1,5	21,25	31,2	64	21,25	32	14	NC
S6412110	5/8"	16	10	15,9	M30x1,5	21,25	31,2	67	21,25	32	14	NC
S6412112	3/4"	20	12	19,1	M30x1,5	21,25	31,7	73	21,25	32	14	NC
S6412712	3/4"	20	12	19,1	M36x1,5	21,25	31,7	73	26,75	36	14	NC
S6413316	1"	25	16	25,4	M45x1,5	33,5	37,2	92	33,5	46	16	NC
S6413320	1 1/4"	32	20	31,8	M45x1,5	33,5	38,2	99	33,5	46	16	NC



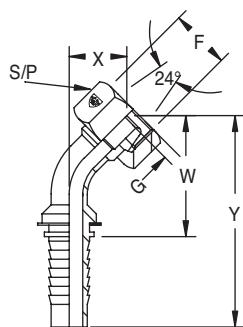
Part N°	S741 FEMALE METRIC FRENCH GAZ 24° CONE											
	Hose inner diameter				Thread	Tube	Dimensions(mm)					PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	S/P	G		
S7411304	1/4"	6	4	6,3	M20x1,5	13,25	23,8	52,3	24	4	NC	
S7411305	5/16"	8	5	7,9	M20x1,5	13,25	23,8	52,3	24	4	NC	
S7411306	3/8"	10	6	9,5	M20x1,5	13,25	23,8	54,3	24	4	NC	
S7411706	3/8"	10	6	9,5	M24x1,5	16,75	27	57,5	30	5	NC	
S7411708	1/2"	12	8	12,7	M24x1,5	16,75	27,3	60,3	30	5	NC	
S7412108	1/2"	12	8	12,7	M30x1,5	21,25	30	63	36	3	NC	
S7412110	5/8"	16	10	15,9	M30x1,5	21,25	30	66	36	3	NC	
S7412112	3/4"	20	12	19,1	M30x1,5	21,25	30,6	71,6	36	3	NC	
S7412712	3/4"	20	12	19,1	M36x1,5	26,75	33,6	74,5	41	7	NC	
S7413316	1"	25	16	25,4	M45x1,5	33,5	33,9	88,9	50	8,7	NC	
S7413320	1 1/4"	32	20	31,8	M45x1,5	33,5	34,5	95,5	50	8,7	NC	

Nota: for a stainless steel item, please add «C» at the end of the reference.

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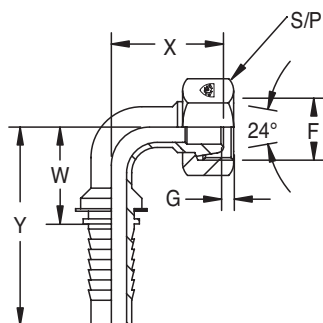


# METRIC 24° CONE FRENCH GAZ SERIES



“S” INSERTS  
TYPE

S742		FEMALE METRIC FRENCH GAZ 24° CONE 45° SWEEP ELBOW										
Part N°	Hose inner diameter				Thread	Tube	Dimensions(mm)					PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	X	S/P	G	
S7421304	1/4"	6	4	6,3	M20X1,5	13,25	41,5	70	21,3	24	4	NC
S7421305	5/16"	8	5	7,9	M20X1,5	13,25	48,6	77,2	21,5	24	4	NC
S7421306	3/8"	10	6	9,5	M20X1,5	13,25	54,3	84,7	21,9	24	4	NC
S7421706	3/8"	10	6	9,5	M24X1,5	16,75	54,3	84,7	21,9	30	5	NC
S7421708	1/2"	12	8	12,7	M24X1,5	16,75	65	97,7	23,8	30	5	NC
S7422108	1/2"	12	8	12,7	M30X1,5	21,25	65	97,7	23,8	36	3	NC
S7422110	5/8"	16	10	15,9	M30X1,5	21,25	76,5	112,6	30,5	36	3	NC
S7422112	3/4"	20	12	19,1	M30X1,5	21,25	86,7	127,7	31,8	36	3	NC
S7422712	3/4"	20	12	19,1	M36X1,5	26,75	90,4	131,4	36,7	41	7	NC
S7423316	1"	25	16	25,4	M45X1,5	33,5	113	168,2	45,5	50	8,7	NC
S7423320	1 1/4"	32	20	31,8	M45X1,5	33,5				50	8,7	NC



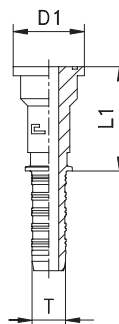
S743		FEMALE METRIC FRENCH GAZ 24° CONE 90° SWEEP ELBOW										
Part N°	Hose inner diameter				Thread	Tube	Dimensions(mm)					PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	X	S/P	G	
S7431304	1/4"	6	4	6,3	M20X1,5	13,25	24	53	31	24	4	NC
S7431305	5/16"	8	5	7,9	M20X1,5	13,25	31	59	34	24	4	NC
S7431306	3/8"	10	6	9,5	M20X1,5	13,25	34	64	35	24	4	NC
S7431706	3/8"	10	6	9,5	M24X1,5	16,75	34	64	37	30	5	NC
S7431708	1/2"	12	8	12,7	M24X1,5	16,75	41	74	42	30	5	NC
S7432108	1/2"	12	8	12,7	M30X1,5	21,25	39	72	47,3	36	3	NC
S7432110	5/8"	16	10	15,9	M30X1,5	21,25	49,7	85,7	51	36	3	NC
S7432112	3/4"	20	12	19,1	M30X1,5	21,25	54,9	95,9	59	36	3	NC
S7432712	3/4"	20	12	19,1	M36X1,5	26,75	55,3	96,5	61,3	41	7	NC
S7433316	1"	25	16	25,4	M45X1,5	33,5	54	109	75,4	50	8,7	NC
S7433320	1 1/4"	32	20	31,8	M45X1,5	33,5				50	8,7	NC

Nota: for a stainless steel item, please add «C» at the end of the reference.

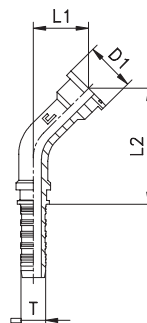
All the specifications are given as an indication, they may be updated in the interest of our customers.

## 3000 PSI FLANGE (SAE J518)

“S” INSERTS  
TYPE



S811	3000 PSI SAE J518 FLANGE STRAIGHT							
	Part N°	Hose inner diameter			Flange dia.	D1	L1	PN (bar)
		DN	Dash	Inch				
S8110808	12	8	1/2"	1/2"	30	44,5	350	
S8111208	12	8	1/2"	3/4"	38	49	350	
S8110810	16	10	5/8"	3/4"	30	40	NC	
S8111210	16	10	5/8"	3/4"	38	49,5	350	
S8111212	19	12	3/4"	3/4"	38	50	350	
S8111612	19	12	3/4"	1"	44,5	53	350	
S8111616	25	16	1"	1"	44,5	53,5	280	
S8112016	25	16	1"	1"1/4	50,8	58	280	
S8112020	31	20	1"1/4	1"1/4	50,8	59	210	
S8112420	31	20	1"1/4	1"1/2	60,3	61	210	
S8112424	38	24	1"1/2	1"1/2	60,3	62	185	
S8113224	38	24	1"1/2	2"	71,4	67	185	
S8113232	51	32	2"	2"	71,4	68	165	

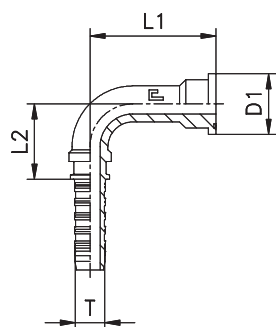


S812	3000 PSI SAE J518 FLANGE 45° SWEEP ELBOW								
	Part N°	Hose inner diameter			Flange dia.	D1	L1	L2	PN (bar)
		DN	Dash	Inch					
S8120808	12	8	1/2"	1/2"	30	20,5	36	350	
S8121208	12	8	1/2"	3/4"	38	24	36	350	
S8121210	16	10	5/8"	3/4"	38	24	40	350	
S8121212	19	12	3/4"	3/4"	38	27,5	47	350	
S8121612	19	12	3/4"	1"	44,5	29,5	47	350	
S8121616	25	16	1"	1"	44,5	28	63	280	
S8122016	25	16	1"	1"1/4	50,8	30	63	280	
S8122020	31	20	1"1/4	1"1/4	50,8	33	75,5	210	
S8122420	31	20	1"1/4	1"1/2	60,3	36,5	75,5	210	
S8122424	38	24	1"1/2	1"1/2	60,3	40	101	185	
S8123224	38	24	1"1/2	2"	71,4	44,5	101	185	
S8123232	51	32	2"	2"	71,4	46,5	137,5	165	

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

## 3000 PSI FLANGE (SAE J518)



“S” INSERTS  
TYPE

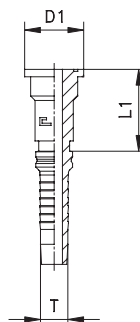
S813		3000 PSI SAE J518 FLANGE 90° SWEPT ELBOW						
Part N°	Hose inner diameter			Flange dia.	D1	L1	L2	PN (bar)
	DN	Dash	Inch					
S8130808	12	8	1/2"	1/2"	30	41	36	350
S8131208	12	8	1/2"	3/4"	38	46	36	350
S8131210	16	10	5/8"	3/4"	38	48	40	350
S8131212	19	12	3/4"	3/4"	38	57	47	350
S8131612	19	12	3/4"	1"	44,5	60	47	350
S8131616	25	16	1"	1"	44,5	61	63	280
S8132016	25	16	1"	1 1/4"	50,8	63,5	63	280
S8132020	31	20	1 1/4"	1 1/4"	50,8	74,5	75,5	210
S8132420	31	20	1 1/4"	1 1/2"	60,3	80	75,5	210
S8132424	38	24	1 1/2"	1 1/2"	60,3	90,5	101	185
S8133224	38	24	1 1/2"	2"	71,4	96,5	101	185
S8133232	51	32	2"	2"	71,4	112	137,5	165

Nota: for a stainless steel item, please add «C» at the end of the reference.

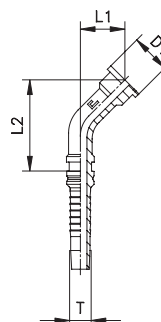
All the specifications are given as an indication , they may be updated in the interest of our customers.

## 3000 PSI FLANGE (SAE J518)

**“SD” INSERTS  
TYPE**



SD811	3000 PSI SAE J518 FLANGE STRAIGHT							
	Part N°	Hose inner diameter			Flange dia.	D1	L1	PN (bar)
		DN	Dash	Inch				
SD8111212	19	12	3/4"	3/4"	38	48	350	
SD8111612	19	12	3/4"	1"	44,5	51	350	
SD8111616	25	16	1"	1"	44,5	51,5	320	
SD8112016	25	16	1"	1"1/4	50,8	56	280	
SD8112020	31	20	1"1/4	1"1/4	50,8	57,5	280	
SD8112420	31	20	1"1/4	1"1/2	60,3	59,5	210	
SD8112424	38	24	1"1/2	1"1/2	60,3	59,5	210	
SD8113224	38	24	1"1/2	2"	71,4	64,5	210	
SD8113232	51	32	2"	2"	71,4	66	210	

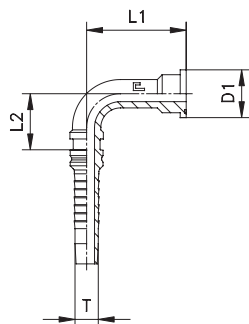


SD812	3000 PSI SAE J518 FLANGE 45° SWEEP ELBOW								
	Part N°	Hose inner diameter			Flange dia.	D1	L1	L2	PN (bar)
		DN	Dash	Inch					
SD8121212	19	12	3/4"	3/4"	38	27,5	82	350	
SD8121612	19	12	3/4"	1"	44,5	29,5	84	350	
SD8121616	25	16	1"	1"	44,5	28	103,5	320	
SD8122016	25	16	1"	1"1/4	50,8	30	105	280	
SD8122020	31	20	1"1/4	1"1/4	50,8	33	123,5	280	
SD8122420	31	20	1"1/4	1"1/2	60,3	36,5	127,5	210	
SD8122424	38	24	1"1/2	1"1/2	60,3	40	157,5	210	
SD8123224	38	24	1"1/2	2"	71,4	44,5	161,5	210	
SD8123232	51	32	2"	2"	71,4	46,5	205	210	

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication , they may be updated in the interest of our customers.

## 3000 PSI FLANGE (SAE J518)



**“SD” INSERTS  
TYPE**

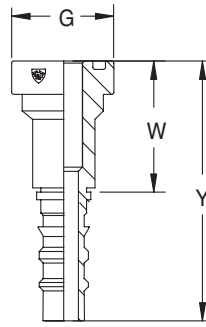
SD813	BRIDE SAE J518 90° SWEPT ELBOW 3000 PSI							
Part N°	Hose inner diameter			Flange dia.	D1	L1	L2	PN (bar)
	DN	Dash	Inch					
<b>SD8131212</b>	19	12	3/4"	3/4"	38	57	48,5	350
<b>SD8131612</b>	19	12	3/4"	1"	44,5	60	48,5	350
<b>SD8131616</b>	25	16	1"	1"	44,5	61	68	320
<b>SD8132016</b>	25	16	1"	1"1/4	50,8	63,5	68	280
<b>SD8132020</b>	31	20	1"1/4	1"1/4	50,8	74,5	81	280
<b>SD8132420</b>	31	20	1"1/4	1"1/2	60,3	80	81	210
<b>SD8132424</b>	38	24	1"1/2	1"1/2	60,3	90,5	105,5	210
<b>SD8133224</b>	38	24	1"1/2	2"	71,4	96,5	105,5	210
<b>SD8133232</b>	51	32	2"	2"	71,4	112	142,5	210

Nota: for a stainless steel item, please add «C» at the end of the reference.

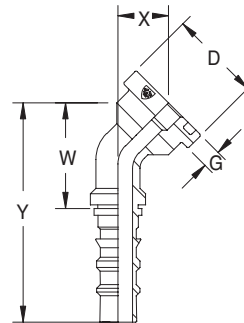
All the specifications are given as an indication , they may be updated in the interest of our customers.

## 3000 PSI FLANGE (SAE J518)

**“SC” INSERTS  
TYPE**



SC811 3000 PSI SAE J518 FLANGE STRAIGHT										
Part N°	Hose inner diameter				Collar		Dimensions(mm)			PN (bar)
	Inch	DN	Dash	mm	Dash	Inch	W	Y	D	
SC8111212	3/4"	20	12	19,1	12	3/4"	55	106	38,1	350
SC8111612	3/4"	20	12	19,1	16	1"	57	108	44,5	350
SC8112012	3/4"	20	12	19,1	20	1 1/4"	55	106	50,8	280
SC8111216	1"	25	16	25,4	12	3/4"	58	114,5	38,1	350
SC8111616	1"	25	16	25,4	16	1"	58	114,5	44,5	350
SC8112016	1"	25	16	25,4	20	1 1/4"	63	119,5	50,8	280
SC8112416	1"	25	16	25,4	24	1 1/2"	55	115,5	60,4	210
SC8111620	1 1/4"	32	20	31,8	16	1"	64	130,5	44,5	350
SC8112020	1 1/4"	32	20	31,8	20	1 1/4"	64	130,5	50,8	280
SC8112420	1 1/4"	32	20	31,8	24	1 1/2"	68	134,5	60,4	210
SC8113220	1 1/4"	32	20	31,8	32	2"	75	141,5	71,4	210
SC8112424	1 1/2"	38	24	38,1	24	1 1/2"	73	155,5	60,4	210
SC8113224	1 1/2"	38	24	38,1	32	2"	76	158,5	71,4	210
SC8113232	2"	51	32	50,8	32	2"	77	176,5	71,4	210
SC8114032	2"	51	32	50,8	40	2 1/2"	90	186,5	84,1	175

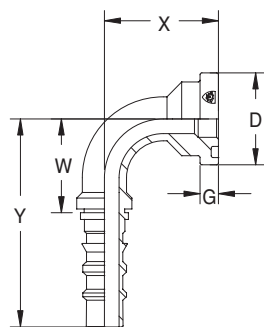


SC812 3000 PSI SAE J518 FLANGE 45° SWEEP ELBOW											
Part N°	Hose inner diameter				Collar		Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	Dash	Inch	W	Y	X	D	
SC8121212	3/4"	20	12	19,1	12	3/4"	63	114	25	38,1	350
SC8121612	3/4"	20	12	19,1	16	1"	65	116	27	44,5	350
SC8121216	1"	25	16	25,4	12	3/4"	81	137	31	38,1	350
SC8121616	1"	25	16	25,4	16	1"	78	134	28	44,5	350
SC8122016	1"	25	16	25,4	20	1 1/4"	78	134	28	50,8	280
SC8121620	1 1/4"	32	20	31,8	16	1"	96	163	37	44,5	350
SC8122020	1 1/4"	32	20	31,8	20	1 1/4"	91	157	32	50,8	280
SC8122420	1 1/4"	32	20	31,8	24	1 1/2"	91	157	32	60,4	210
SC8122424	1 1/2"	38	24	38,1	24	1 1/2"	108	191	36	60,4	210
SC8123224	1 1/2"	38	24	38,1	32	2"	107	189	35	71,4	210
SC8123232	2"	51	32	50,8	32	2"	151	245	57	71,4	210
SC8124032	2"	51	32	50,8	40	2 1/2"	146	243	51	84,1	175

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

## 3000 PSI FLANGE (SAE J518)



**“SC” INSERTS  
TYPE**

<b>SC813 3000 PSI SAE J518 FLANGE 90° SWEPT ELBOW</b>											
Part N°	Hose inner diameter				Collar		Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	Dash	Inch	W	Y	X	D	
<b>SC8131212</b>	3/4"	20	12	19,1	12	3/4"	55	106	51	38,1	350
<b>SC8131612</b>	3/4"	20	12	19,1	16	1"	55	106	55	44,5	350
<b>SC8132012</b>	3/4"	20	12	19,1	20	1"1/4	55	106	60	50,8	280
<b>SC8131216</b>	1"	25	16	25,4	12	3/4"	71	128	65	38,1	350
<b>SC8131616</b>	1"	25	16	25,4	16	1"	71	128	61	44,5	350
<b>SC8132016</b>	1"	25	16	25,4	20	1"1/4	71	128	61	50,8	280
<b>SC8132416</b>	1"	25	16	25,4	24	1"1/2	71	128	61	60,4	210
<b>SC8131620</b>	1"1/4	32	20	31,8	16	1"	87	154	79	44,5	350
<b>SC8132020</b>	1"1/4	32	20	31,8	20	1"1/4	87	154	71	50,8	280
<b>SC8132420</b>	1"1/4	32	20	31,8	24	1"1/2	87	154	71	60,4	210
<b>SC8132424</b>	1"1/2	38	24	38,1	24	1"1/2	105	188	83	60,4	210
<b>SC8133224</b>	1"1/2	38	24	38,1	32	2"	105	188	81	71,4	210
<b>SC8133232</b>	2"	51	32	50,8	32	2"	140	237	122	71,4	210
<b>SC8134032</b>	2"	51	32	50,8	40	2"1/2	140	237	117	84,1	175

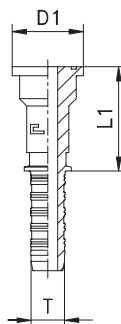
Extended elbow on request

Nota: for a stainless steel item, please add «C» at the end of the reference.

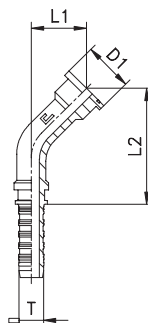
All the specifications are given as an indication , they may be updated in the interest of our customers.

## 6000 PSI FLANGE (SAE J518)

“S” INSERTS  
TYPE



S861	6000 PSI SAE J518 FLANGE STRAIGHT							
	Part N°	Hose inner diameter			Flange dia.	D1	L1	PN (bar)
		DN	Dash	Inch				
S8610808	12	8	1/2"	1/2"	31,8	44,5	350	
S8611208	12	8	1/2"	3/4"	41,3	49	350	
S8610810	16	10	5/8"	1/2"	31,8	46	NC	
S8611210	16	10	5/8"	3/4"	41,3	49,5	350	
S8611212	19	12	3/4"	3/4"	41,3	50	350	
S8611612	19	12	3/4"	1"	47,6	53	350	
S8611616	25	16	1"	1"	47,6	53,5	280	
S8612016	25	16	1"	1"1/4	54	58	280	
S8612020	31	20	1"1/4	1"1/4	54	59	210	
S8612420	31	20	1"1/4	1"1/2	63,5	61	210	
S8612424	38	24	1"1/2	1"1/2	63,5	62	185	
S8613224	38	24	1"1/2	2"	79,4	67	185	
S8613232	51	32	2"	2"	79,4	68	165	



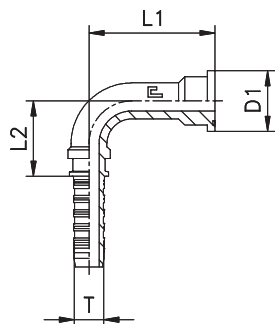
S862	6000 PSI SAE J518 FLANGE 45° SWEPT ELBOW								
	Part N°	Hose inner diameter			Flange dia.	D1	L1	L2	PN (bar)
		DN	Dash	Inch					
S8620808	12	8	1/2"	1/2"	31,8	21,5	62,5	415	
S8621208	12	8	1/2"	3/4"	41,3	27	68	415	
S8621210	16	10	5/8"	3/4"	41,3	27	73	350	
S8621212	19	12	3/4"	3/4"	41,3	30,5	84,5	350	
S8621612	19	12	3/4"	1"	47,6	34,5	88,5	350	
S8621616	25	16	1"	1"	47,6	33	106	280	
S8622016	25	16	1"	1"1/4	54	38	111	280	
S8622020	31	20	1"1/4	1"1/4	54	41	128	210	
S8622420	31	20	1"1/4	1"1/2	63,5	47	134	210	
S8622424	38	24	1"1/2	1"1/2	63,5	50,5	165	185	
S8623224	38	24	1"1/2	2"	79,4	61,5	176,5	185	
S8623232	51	32	2"	2"	79,4	64	219,5	165	

Nota: for a stainless steel item, please add «C» at the end of the reference.

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## 6000 PSI FLANGE (SAE J518)



“S” INSERTS  
TYPE

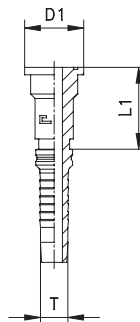
S863	6000 PSI SAE J518 FLANGE 90° SWEPT ELBOW							
Part N°	Hose inner diameter			Flange dia.	D1	L1	L2	PN (bar)
	DN	Dash	Inch					
S8630808	12	8	1/2"	1/2"	31,8	42	36	415
S8631208	12	8	1/2"	3/4"	41,3	50	36	415
S8631210	16	10	5/8"	3/4"	41,3	52	40	350
S8631212	19	12	3/4"	3/4"	41,3	61	47	350
S8631612	19	12	3/4"	1"	47,6	67	47	350
S8631616	25	16	1"	1"	47,6	68	63	280
S8632016	25	16	1"	1"1/4	54	75	63	280
S8632020	31	20	1"1/4	1"1/4	54	86	75,5	210
S8632420	31	20	1"1/4	1"1/2	63,5	94,5	75,5	210
S8632424	38	24	1"1/2	1"1/2	63,5	105	101	185
S8633224	38	24	1"1/2	2"	79,4	121	104	185
S8633232	51	32	2"	2"	79,4	136,5	137,5	165

Nota: for a stainless steel item, please add «C» at the end of the reference.

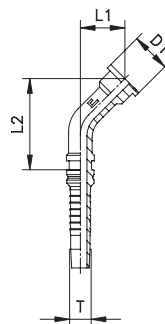
All the specifications are given as an indication , they may be updated in the interest of our customers.

## 6000 PSI FLANGE (SAE J518)

**“SC” INSERTS  
TYPE**



SD861	6000 PSI SAE J518 FLANGE STRAIGHT							
	Part N°	Hose inner diameter			Flange dia.	D1	L1	PN (bar)
		DN	Dash	Inch				
SD8611212	19	12	3/4"	3/4"	41,3	52	420	
SD8611612	19	12	3/4"	1"	47,6	58	420	
SD8611616	25	16	1"	1"	47,6	58,5	380	
SD8612016	25	16	1"	1"1/4	54	67	380	
SD8612020	31	20	1"1/4	1"1/4	54	68,5	345	
SD8612420	31	20	1"1/4	1"1/2	63,5	73,5	345	
SD8612424	38	24	1"1/2	1"1/2	63,5	73,5	345	
SD8613232	51	32	2"	2"	79,5	88	345	

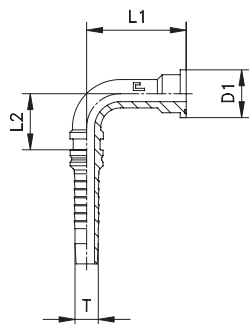


SD862	6000 PSI SAE J518 FLANGE 45° SWEEP ELBOW								
	Part N°	Hose inner diameter			Flange dia.	D1	L1	L2	PN (bar)
		DN	Dash	Inch					
SD8621212	19	12	3/4"	3/4"	41,3	30,5	85	420	
SD8621612	19	12	3/4"	1"	47,6	34,5	89	420	
SD8621616	25	16	1"	1"	47,6	33	108,5	380	
SD8622016	25	16	1"	1"1/4	54	38	113,5	380	
SD8622020	31	20	1"1/4	1"1/4	54	41	131,5	345	
SD8622420	31	20	1"1/4	1"1/2	63,5	47	137,5	345	
SD8622424	38	24	1"1/2	1"1/2	63,5	50,5	167,5	345	
SD8623232	51	32	2"	2"	79,4	64	222,5	345	

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication , they may be updated in the interest of our customers.

## 6000 PSI FLANGE (SAE J518)



**“SD” INSERTS  
TYPE**

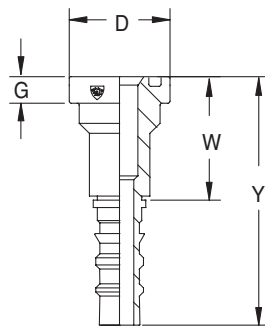
SD863	6000 PSI SAE J518 FLANGE 90° SWEPT ELBOW							
	Part N°	Hose inner diameter			Flange dia.	D1	L1	L2
DN		Dash	Inch					
SD8631212	19	12	3/4"	3/4"	41,3	61	48,5	420
SD8631612	19	12	3/4"	1"	47,6	67	48,5	420
SD8631616	25	16	1"	1"	47,6	68	68	380
SD8632016	25	16	1"	1"1/4	54	75	68	380
SD8632020	31	20	1"1/4	1"1/4	54	86	81	345
SD8632420	31	20	1"1/4	1"1/2	63,5	94,5	81	345
SD8632424	38	24	1"1/2	1"1/2	63,5	105	105,5	345
SD8633232	51	32	2"	2"	79,4	136,5	142,5	345

Nota: for a stainless steel item, please add «C» at the end of the reference.

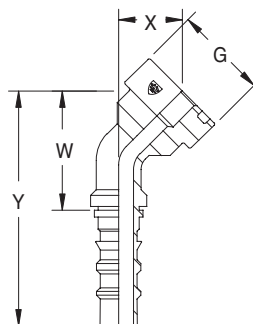
All the specifications are given as an indication , they may be updated in the interest of our customers.

## 6000 PSI FLANGE (SAE J518)

**“SC” INSERTS  
TYPE**



SC861	6000 PSI SAE J518 FLANGE STRAIGHT									
Part N°	Hose inner diameter				Collar		Dimensions (mm)			PN (bar)
	Inch	DN	Dash	mm	Dash	Inch	W	Y	D	
SC8611212	3/4"	20	12	19,1	12	3/4"	59	110	41,3	420
SC8611612	3/4"	20	12	19,1	16	1"	61	112	47,6	420
SC8611216	1"	25	16	25,4	12	3/4"	65	121,5	41,3	420
SC8611616	1"	25	16	25,4	16	1"	65	121,5	47,6	420
SC8612016	1"	25	16	25,4	20	1 1/4"	69	125,5	54	420
SC8611620	1 1/4"	32	20	31,8	16	1"	70	136,5	47,6	420
SC8612020	1 1/4"	32	20	31,8	20	1 1/4"	70	136,5	54	420
SC8612420	1 1/4"	32	20	31,8	24	1 1/2"	80	146,5	63,5	420
SC8612424	1 1/2"	38	24	38,1	24	1 1/2"	84	116,5	63,5	420
SC8613224	1 1/2"	38	24	38,1	32	2"	99	181,5	79,4	420
SC8613232	2"	51	32	50,8	32	2"	100	196,5	79,4	350

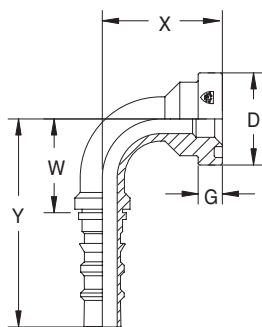


SC862	6000 PSI SAE J518 FLANGE 45° SWEPT ELBOW										
Part N°	Hose inner diameter				Collar		Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	Dash	Inch	W	Y	X	D	
SC8621212	3/4"	20	12	19,1	12	3/4"	66	117	28	41,3	420
SC8621612	3/4"	20	12	19,1	16	1"	68	118	29	47,6	420
SC8621216	1"	25	16	25,4	12	3/4"	81	137	31	41,3	420
SC8621616	1"	25	16	25,4	16	1"	80	136	30	47,6	420
SC8622016	1"	25	16	25,4	20	1 1/4"	80	136	30	54	420
SC8621620	1 1/4"	32	20	31,8	16	1"	96	163	37	47,6	420
SC8622020	1 1/4"	32	20	31,8	20	1 1/4"	93	160	34	54	420
SC8622420	1 1/4"	32	20	31,8	24	1 1/2"	94	161	35	63,5	420
SC8622424	1 1/2"	38	24	38,1	24	1 1/2"	112	195	40	63,5	420
SC8623224	1 1/2"	38	24	38,1	32	2"	115	198	43	79,4	420
SC8623232	2"	51	32	50,8	32	2"	150	247	56	79,4	350

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication , they may be updated in the interest of our customers.

# 6000 PSI FLANGE (SAE J518)



**“SC” INSERTS  
TYPE**

SC863	6000 PSI SAE J518 FLANGE 90° SWEEP ELBOW										
	Part N°	Hose inner diameter			Collar		Dimensions (mm)				PN (bar)
		Inch	DN	Dash	mm	Dash	Inch	W	Y	X	
SC8631212	3/4"	20	12	19,1	12	3/4"	55	106	56	41,3	420
SC8631612	3/4"	20	12	19,1	16	1"	55	106	58	47,6	420
SC8631216	1"	25	16	25,4	12	3/4"	71	128	65	41,3	420
SC8631616	1"	25	16	25,4	16	1"	71	128	64	47,6	420
SC8632016	1"	25	16	25,4	20	1 1/4"	71	128	64	54	420
SC8631620	1 1/4"	32	20	31,8	16	1"	87	154	79	47,6	420
SC8632020	1 1/4"	32	20	31,8	20	1 1/4"	87	154	74	54	420
SC8632420	1 1/4"	32	20	31,8	24	1 1/2"	87	154	76	63,5	420
SC8632424	1 1/2"	38	24	38,1	24	1 1/2"	105	188	88	63,5	420
SC8633224	1 1/2"	38	24	38,1	32	2"	105	188	93	79,4	420
SC8633232	2"	51	32	50,8	32	2"	140	237	123	79,4	350

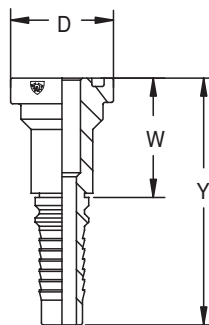
Extended elbow on request

Nota: for a stainless steel item, please add «C» at the end of the reference.

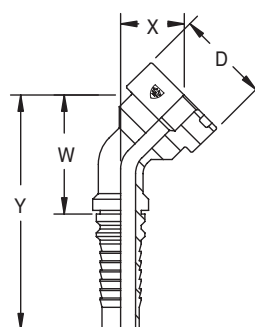
All the specifications are given as an indication, they may be updated in the interest of our customers.

# “SUPERCAT” FLANGE

“SD” INSERTS  
TYPE



SD881	“SUPERCAT” FLANGE STRAIGHT								
Part N°	Hose inner diameter				Collar	Dimensions (mm)			PN (bar)
	Inch	DN	Dash	mm		W	Y	D	
SD8811212	3/4"	20	12	19,1	3/4"	64	126	41,3	420
SD8811612	3/4"	20	12	19,1	1"	65	127	47,6	420
SD8811616	1"	25	16	25,4	1"	69	142	47,6	415
SD8812016	1"	25	16	25,4	1"1/4	72	145	54	415
SD8812020	1"1/4	32	20	31,8	1"1/4	73	161	54	415
SD8812420	1"1/4	32	20	31,8	1"1/2	80	168	63,5	415
SD8812424	1"1/2	40	24	38,1	1"1/2	81	175	63,5	345



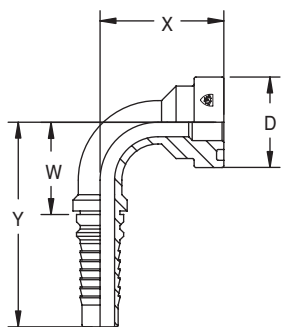
SD882	“SUPERCAT” FLANGE 45° SWEEP ELBOW									
Part N°	Hose inner diameter				Collar	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm		W	Y	X	D	
SD8821212	3/4"	20	12	19,1	3/4"	73	135	37	41,3	420
SD8821612	3/4"	20	12	19,1	1"	76	137	39	47,6	420
SD8821616	1"	25	16	25,4	1"	87	160	40	47,6	415
SD8822016	1"	25	16	25,4	1"1/4	88	161	41	54	415
SD8822020	1"1/4	32	20	31,8	1"1/4	102	189	42	54	415
SD8822420	1"1/4	32	20	31,8	1"1/2	108	196	48	63,5	415
SD8822424	1"1/2	40	24	38,1	1"1/2	120	214	49	63,5	345

FLANGE

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication, they may be updated in the interest of our customers.

# “SUPERCAT” FLANGE



“SD” INSERTS  
TYPE

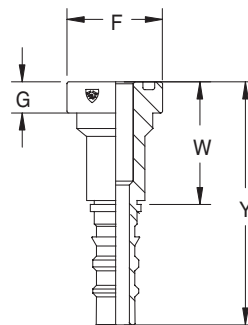
SD883	“SUPERCAT” FLANGE 90° SWEEP ELBOW										
	Part N°	Hose inner diameter				Collar	Dimensions (mm)				PN (bar)
		Inch	DN	Dash	mm		W	Y	X	D	
SD8831212	3/4"	20	12	19,1	3/4"	55	117	70	41,3	420	
SD8831612	3/4"	20	12	19,1	1"	55	117	73	47,6	420	
SD8831616	1"	25	16	25,4	1"	71	144	79	47,6	415	
SD8832016	1"	25	16	25,4	1"1/4	71	144	82	54	415	
SD8832020	1"1/4	32	20	31,8	1"1/4	90	177	89	54	415	
SD8832420	1"1/4	32	20	31,8	1"1/2	90	177	97	63,5	415	
SD8832424	1"1/2	40	24	38,1	1"1/2	107	201	105	63,5	345	

Nota: for a stainless steel item, please add «C» at the end of the reference.

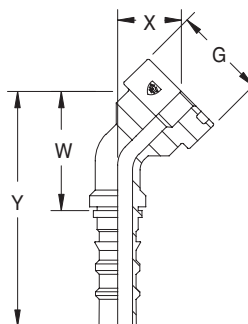
All the specifications are given as an indication, they may be updated in the interest of our customers.

# "SUPERCAT" FLANGE

"SC" INSERTS  
TYPE



SC881	"SUPERCAT" FLANGE STRAIGHT										
Part N°	Hose inner diameter				Collar		Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	Dash	Inch	W	Y	D	Flat seal	
SC8811212	3/4"	20	12	19,1	12	3/4"	84	135	41,3	DR12	420
SC8811612	3/4"	20	12	19,1	16	1"	84	135	47,6	DR16	420
SC8811616	1"	25	16	25,4	16	1"	90	146,5	47,6	DR16	420
SC8812016	1"	25	16	25,4	20	1"1/4	90	146,5	54	DR20	420
SC8812020	1"1/4	32	20	31,8	20	1"1/4	88	154,4	54	DR20	420
SC8812420	1"1/4	32	20	31,8	24	1"1/2	88	154,5	63,5	DR24	420
SC8812424	1"1/2	38	24	38,1	24	1"1/2	84	166,5	63,5	DR24	420
SC8813224	1"1/2	38	24	38,1	32	2"	110	192,5	79,4	DR32	420
SC8813232	2"	51	32	50,8	32	2"	130	226,5	79,4	DR32	350



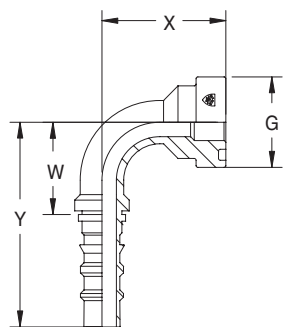
SC882	"SUPERCAT" FLANGE 45° SWEEP ELBOW											
Part N°	Hose inner diameter				Collar		Dimensions (mm)				PN (bar)	
	Inch	DN	Dash	mm	Dash	Inch	W	Y	X	D		Flat seal
SC8821212	3/4"	20	12	19,1	12	3/4"	72	123	34	41,3	DR12	420
SC8821612	3/4"	20	12	19,1	16	1"	74	125	36	47,6	DR16	420
SC8821616	1"	25	16	25,4	16	1"	86	143	36	47,6	DR16	420
SC8822016	1"	25	16	25,4	20	1"1/4	86	143	36	54	DR20	420
SC8822020	1"1/4	32	20	31,8	20	1"1/4	96	162	36	54	DR20	420
SC8822420	1"1/4	32	20	31,8	24	1"1/2	96	162	36	63,5	DR24	420
SC8822424	1"1/2	38	24	38,1	24	1"1/2	114	196	41	63,5	DR24	420
SC8823224	1"1/2	38	24	38,1	32	2"	116	199	44	79,4	DR32	420
SC8823232	2"	51	32	50,8	32	2"	152	250	57	79,4	DR32	350

Nota: for a stainless steel item, please add «C» at the end of the reference.

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# “SUPERCAT” FLANGE



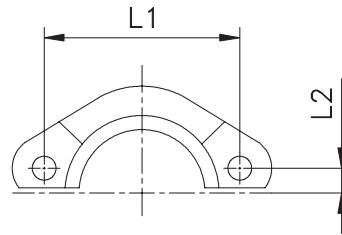
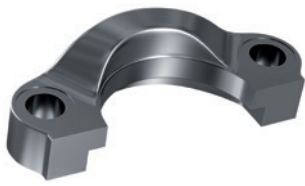
“SC” INSERTS  
TYPE

SC883	“SUPERCAT” FLANGE 90° SWEEP ELBOW											
Part N°	Hose inner diameter				Collar		Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	Dash	Inch	W	Y	X	D	Flat seal	
SC8831212	3/4"	20	12	19,1	12	3/4"	55	106	64	41,3	DR12	420
SC8831612	3/4"	20	12	19,1	16	1"	55	106	64	47,6	DR16	420
SC8831616	1"	25	16	25,4	16	1"	71	128	73	47,6	DR16	420
SC8832016	1"	25	16	25,4	20	1"1/4	71	128	73	54	DR20	420
SC8832020	1"1/4	32	20	31,8	20	1"1/4	87	154	77	54	DR20	420
SC8832420	1"1/4	32	20	31,8	24	1"1/2	87	154	78	63,5	DR24	420
SC8832424	1"1/2	38	24	38,1	24	1"1/2	105	188	90	63,5	DR24	420
SC8833224	1"1/2	38	24	38,1	32	2"	105	188	94	79,4	DR32	420
SC8833232	2"	51	32	50,8	32	2"	140	237	125	79,4	DR32	350

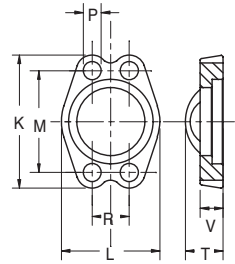
Nota: for a stainless steel item, please add «C» at the end of the reference.

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## FLANGE ACCESSORIES



994		3000 PSI SPLIT FLANGE		
Part N°	Flange dia.	L1	L2	
9947508	1/2"	38,1	8,7	
9947708	3/4"	47,6	11,1	
9947808	1"	52,4	13,1	
9947908	1"1/4	58,7	15,1	
9947918	1"1/2	69,9	17,8	
9947928	2"	77,8	21,4	
9947929	2"1/2	88,9	25,4	



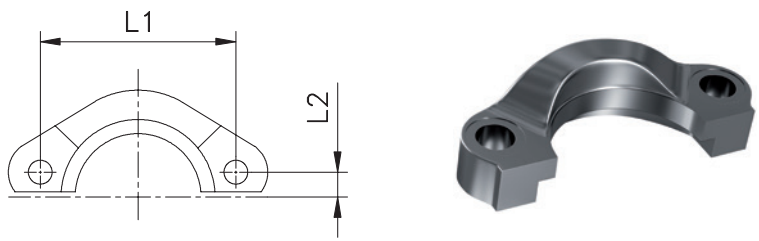
994		3000 PSI ONE-PIECE FLANGE							
Part N°	One-piece flange		Dimensions (mm)						
	3000 PSI	Dash	K	L	M	P	R	T	V
9947546	1/2"	8	54	46,2	38,1	8,7	17,4	19	12,7
9947646	3/4"	12	65	52,4	47,6	10,3	22,2	22,2	14,3
9947856	1"	16	70	58,8	52,4	10,3	26,2	24	16
9947946	1"1/4	20	80	73	58,7	11,9	30,2	22,2	14,3
9947976	1"1/2	24	94	82,6	69,9	13,5	35,7	25,4	15,9
9947996	2"	32	102	97	77,8	13,5	42,9	26,2	15,9
9947997	2"1/2	40	114,5	109	88,9	14,5	50,8	37,8	19



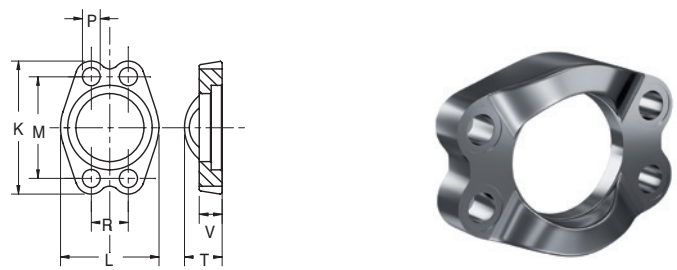
903		O-RING 3000 PSI / 6000 PSI			
Part N°	Dash	Collar	Dimensions (mm)		
		Inch	ISO 3601-1	SAE	
9039989	8	1/2"			
9039990	12	3/4"	25X3,55	24,99X3,53	
9039991	16	1"	32,5X3,55	32,92X3,53	
9039992	20	1"1/4	37,5X3,55	37,69X3,53	
9039993	24	1"1/2	47,5X3,55	47,22X3,53	
9039994	32	2"	56X3,55	56,74X3,53	
9039995	40	2"1/2	69X3,55	69,44X3,53	

Nota: for a stainless steel item, please add «C» at the end of the reference.  
 All the specifications are given as an indication, they may be updated in the interest of our customers.

# FLANGE ACCESSORIES



994		6000 PSI SPLIT FLANGE		
Part N°	Flange dia.	L1	L2	
9947984	1/2"	40,5	9,1	
9947985	3/4"	50,8	11,9	
9947986	1"	57,2	13,9	
9947987	1"1/4	66,7	15,9	
9947988	1"1/2	79,4	18,2	
9947989	2"	96,8	22,2	



994		6000 PSI ONE-PIECE FLANGE							
Part N°	One-piece flange		Dimensions (mm)						
	6000 PSI	Dash	K	L	M	P	R	T	V
9948084	1/2"	8	56	47,6	40,5	8,7	18,2	22	16
9948085	3/4"	12	71	60,4	50,8	10,3	23,8	28	19
9948086	1"	16	81	70	57,2	11,9	27,8	33	24
9948087	1"1/4	20	95	77,6	66,7	13,5	31,8	38	27
9948088	1"1/2	24	113	95,4	79,4	16,7	36,6	43	30
9948089	2"	32	133	114,4	96,8	19,8	44,5	52	37



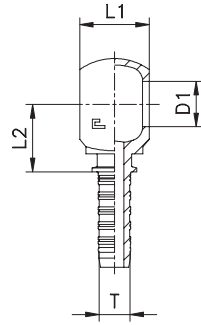
CALECAT		FLANGES WEDGES "SUPERCAT"			
Part N°	Connection type		Dimensions (mm)		Thickness
	mm	Inch	D1	D2	
CALECAT DN 19	20	3/4"	32,2	41,3	5,4
CALECAT DN 25	25	1"	38,3	47,5	5
CALECAT DN 32	32	1"1/4	44,3	50,4	4,24
CALECAT DN 38	38	1"1/2	63,5	53,8	5,34

Nota: for a stainless steel item, please add «C» at the end of the reference.  
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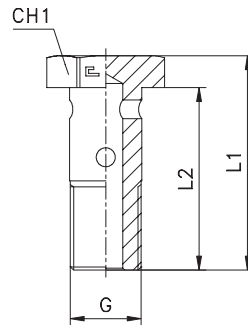
FLANGE

# BANJO B.S.P

**“S” INSERTS  
TYPE**



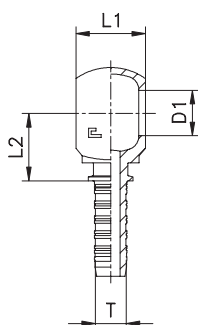
S921	BANJO B.S.P							
	Part N°	Hose inner diameter			G (Perforated bolt)	D1	L1	L2
		DN	Dash	Inch				
S9210203	5	3	3/16"	1/8"	10,1	10	20	
S9210403	5	3	3/16"	1/4"	13,3	14	23	
S9210204	6	4	1/4"	1/8"	10,1	10	22	
S9210404	6	4	1/4"	1/4"	13,3	14	23	
S9210604	6	4	1/4"	3/8"	16,8	17	25	
S9210804	6	4	1/4"	1/2"	21	22	27,5	
S9210405	8	5	5/16"	1/4"	13,3	14	26,5	
S9210605	8	5	5/16"	3/8"	16,8	17	26	
S9210805	8	5	5/16"	1/2"	21	22	28	
S9210406	10	6	3/8"	1/4"	13,3	14	26,5	
S9210606	10	6	3/8"	3/8"	16,8	17	25,5	
S9210806	10	6	3/8"	1/2"	21	22	28	
S9210608	12	8	1/2"	3/8"	16,8	17	28,5	
S9210808	12	8	1/2"	1/2"	21	22	28	
S9211008	12	8	1/2"	5/8"	23	25	30,5	
S9211010	16	10	5/8"	5/8"	23	25	31	
S9211210	16	10	5/8"	3/4"	26,5	30	37,5	
S9211212	19	12	3/4"	3/4"	26,5	30	38	
S9211616	25	16	1"	1"	33,3	37,5	49,5	



227	BSP BANJO BOLT			
	Part N°	G	L1	L2
2270119	1/8"	26	21	14
2270120	1/4"	34	28	19
2270121	3/8"	39	32	22
2270123	1/2"	48	40	27
2270160	5/8"	52	43	30
2270124	3/4"	58	48	32
2270161	1"	69	58	41

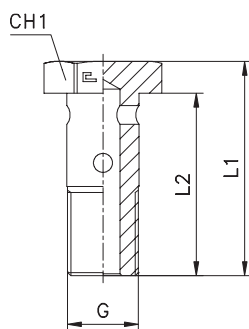
Nota: for a stainless steel item, please add «C» at the end of the reference.  
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## BANJO METRIC



“S” INSERTS  
TYPE

S941	BANJO METRIC							
	Part N°	Hose inner diameter			G (Perforated bolt)	D1	L1	L2
		DN	Dash	Inch				
S9411003	5	3	3/16"	10x1	10,1	10	20	
S9411203	5	3	3/16"	12x1,5	12,1	12	21	
S9411403	5	3	3/16"	14x1,5	14,1	14	23	
S9411004	6	4	1/4"	10x1	10,1	10	22	
S9411204	6	4	1/4"	12x1,5	12,1	12	25	
S9411404	6	4	1/4"	14x1,5	14,1	14	23	
S9411604	6	4	1/4"	16x1,5	16,1	16	25	
S9411804	6	4	1/4"	18x1,5	18,1	20	27	
S9411405	8	5	5/16"	14x1,5	14,1	14	26,5	
S9411605	8	5	5/16"	16x1,5	16,1	16	25,5	
S9411805	8	5	5/16"	18x1,5	18,1	20	27,5	
S9411406	10	6	3/8"	14x1,5	14,1	14	26,5	
S9411606	10	6	3/8"	16x1,5	16,1	16	28,5	
S9411806	10	6	3/8"	18x1,5	18,1	20	27,5	
S9412006	10	6	3/8"	20x1,5	20,1	22	28	
S9412206	10	6	3/8"	22x1,5	22,1	22	28	
S9411808	12	8	1/2"	18x1,5	18,1	20	30,5	
S9412008	12	8	1/2"	20x1,5	20,1	22	28	
S9412208	12	8	1/2"	22x1,5	22,1	22	28	
S9412210	16	10	5/8"	22x1,5	22,1	22	28,5	
S9412612	19	12	3/4"	26x1,5	26,5	30	38	
S9413012	19	12	3/4"	30x1,5	30,1	36	42,5	



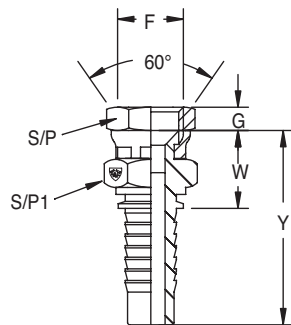
227	METRIC BANJO BOLT				
	Part N°	M	L1	L2	CH1
2270101	10x1		26	21	14
2270102	12x1,5		31,5	26	17
2270103	14x1,5		36	30	19
2270104	16x1,5		39	32	22
2270105	18x1,5		44	37	24
2270108	20x1,5		48	40	27
2270106	22x1,5		49	41	27
2270107	26x1,5		58	48	32
2270159	30x1,5		65	55	36

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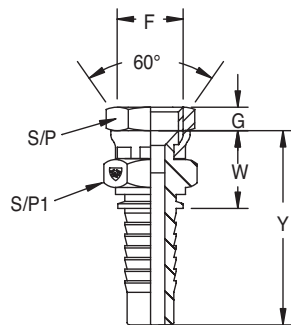
All the specifications are given as an indication, they may be updated in the interest of our customers.

**J.I.S (JAPANESE INDUSTRIAL STANDARD)  
ACCORDING B8363**

**“S” INSERTS  
TYPE**



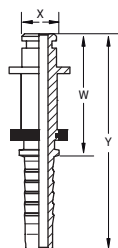
S 491		FEMALE BSP-JIS 60° INVERTED CONE									
Part N°	Hose inner diameter				Thread	Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	S/P1	G	
S4910404	1/4"	6	4	6,3	1/4"	24	52	19	14	8,5	450
S4910606	3/8"	10	6	9,5	3/8"	26	57	22	17	11,5	450
S4910808	1/2"	12	8	12,7	1/2"	30	63	27	22	11,5	415
S4911212	3/4"	20	12	19,1	3/4"	36	76	32	27	13,5	350
S4911616	1"	25	16	25,4	1"	40	91	41	32	14,5	280
S4912020	1 1/4"	32	20	31,8	1 1/4"	46	104	50	41	16	210
S4912424	1 1/2"	40	24	38,1	1 1/2"	47	112	55	50	17	185



S 791		FEMALE METRIC-JIS 60° INVERTED CONE									
Part N°	Hose inner diameter				Thread	Dimensions (mm)					PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	S/P1	G	
S7911404	1/4"	6	4	6,3	M14X1,5	24	52,5	19	19	10,5	NC
S7911605	5/16"	8	5	7,9	M16X1,5	22,2	50,7	22	19	9,5	NC
S7911406	3/8"	10	6	9,5	M14X1,5	24	54,5	19	19	10,5	NC
S7911606	3/8"	10	6	9,5	M16X1,5	22,2	52,7	22	19	9,5	NC
S7911806	3/8"	10	6	9,5	M18X1,5	24,3	54,8	24	19	11,5	NC
S7912208	1/2"	12	8	12,7	M22X1,5	26,5	59,5	27	27	13,5	NC
S7912408	1/2"	12	8	12,7	M24X1,5	29,9	62,9	32	32	15	NC
S7912410	5/8"	16	10	15,9	M24X1,5	29,9	65,9	32	32	15	NC
S7913012	3/4"	20	12	19,1	M30X1,5	33	74	36	36	18	NC
S7913316	1"	25	16	25,4	M33X1,5	34,5	89,5	41	36	21,5	NC
S7913620	1 1/4"	32	20	31,8	M36X1,5	42,6	103,6	46	46	20	NC
S7914224	1 1/2"	40	24	38,1	M42X1,5	43,5	114	50	50	19	NC

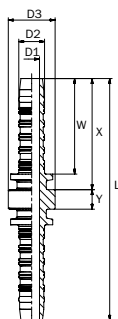
Nota: for a stainless steel item, please add «C» at the end of the reference.  
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## MISCELLANEOUS

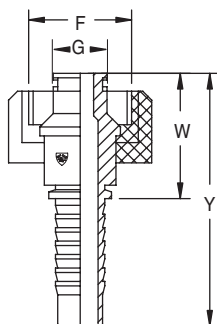


“S” INSERTS  
TYPE

S501		HP WASHER STAND-PIPE						
Part N°	Hose inner diameter				Dimensions (mm)			PN (bar)
	Inch	DN	Dash	mm		W	Y	
S5011004	1/4"	6	4	6,3	10	34,5	63	NC
S5011005	5/16"	8	5	7,9	10	34,5	63	NC
S5011104	1/4"	6	4	6,3	11	34,5	63	NC
S5011105	5/16"	8	5	7,9	11	34,5	63	NC



S590		DOUBLE-CONNECTOR										
Part N°	Hose inner diameter				Dimensions (mm)							PN (bar)
	Inch	DN	Dash	mm	D1	D2	D3	L	W	X	Y	
S5900404	1/4"	6	4	6,3	4	6.6	12	62	24.5	28.5	5	NC
S5900505	5/16"	8	5	7,9	5.3	8.3	14	63	24.7	29	5	NC
S5900606	3/8"	10	6	9,5	7	10	16	65	25.6	30	5	NC
S5900808	1/2"	12	8	12,7	9.5	13.2	20	71	28.4	33	5	NC
S5901010	5/8"	16	10	15,9	12	16.4	22	77	31.1	36	5	NC
S5901212	3/4"	20	12	19,1	14.7	19.4	26	85	34.5	40	5	NC
S5901616	1"	25	16	25,4	19.5	26	32	123	51	59	7	NC
S5902020	1 1/4"	32	20	31,8	26	32.5	40	131	55.2	62	7	NC



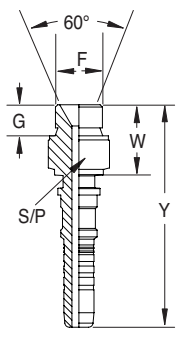
S701		HP WASHER FEMALE METRIC 22X1.5							
Part N°	Hose inner diameter				Thread	Dimensions (mm)			PN (bar)
	Inch	DN	Dash	mm	F	W	Y	G	
S7012204	1/4"	6	4	6,3	M22X1,5	36,5	65	14	NC
S7012205	5/16"	8	5	7,9	M22X1,5	36,5	65	14	NC
S7012206	3/8"	10	6	9,5	M22X1,5	36,5	67	14	NC

Nota: for a stainless steel item, please add «C» at the end of the reference.

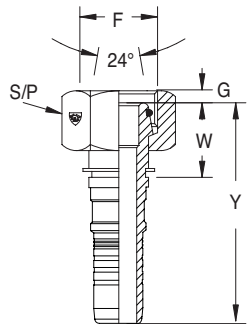
All the specifications are given as an indication, they may be updated in the interest of our customers.

SWAGE FITTINGS & FERRULES AQ TYPE

“AQ” INSERTS  
TYPE



AQ121		MALE NPT 60° CONE								
Part N°	Hose inner diameter				Thread	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	F	W	Y	S/P	G	
AQ1210404	1/4"	6	4	6,3	1/4"-18	26,5		15	14	NC
AQ1210606	3/8"	10	6	9,5	3/8"-18	27,5		19	14	NC
AQ1210808	1/2"	12	8	12,7	1/2"-14	34,5		22	19	NC
AQ1211212	3/4"	20	12	19,1	3/4"-14	37,2	98	27	19	NC
AQ1211616	1"	25	16	25,4	1"-11,5	43,5	115	36	21	NC

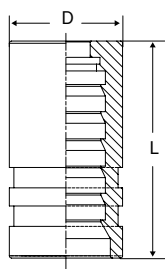


AQ771		FEMALE METRIC 24° CONE O-RING - HEAVY SERIES									
Part N°	Hose inner diameter				Thread	Tube	Dimensions (mm)				PN (bar)
	Inch	DN	Dash	mm	F	mm	W	Y	S/P	G	
AQ7710804	1/4"	6	4	6,3	M16x1,5	8	24		19	2,3	NC
AQ7711406	3/8"	12	6	9,5	M22x1,5	14	29		27	4	NC
AQ7711608	1/2"	12	8	12,7	M24x1,5	16	31		30	5	NC
AQ7712512	3/4"	20	12	19,1	M36x2	25	39	110	46	7	NC
AQ7713016	1"	25	16	25,4	M42x2	30	41	112	50	8,7	NC

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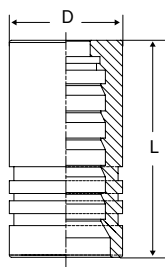
# SWAGE FITTINGS & FERRULES AQ TYPE



5697

“AQ” INSERTS  
TYPE

Part N°	Hose inner diameter				Dimensions (mm)		Usable on hose types	
	DN	mm	Dash	Inch	D	L		
569704	6	6,3	4	1/4"			T 961	
569706	10	9,5	6	3/8"	30	57,5	T 961 T 962	
569708	12	12,7	8	1/2"			T 961 T 962	
569712	19	19,1	12	3/4"	45	69	T 961 T 962	
569716	25	25,4	16	1"			T 961	



5698

“AQ” INSERTS  
TYPE

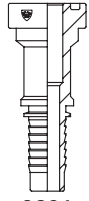
Part N°	Hose inner diameter				Dimensions (mm)		Usable on hose types	
	DN	mm	Dash	Inch	D	L		
569806	6	6,3	6	3/8"			T 1362	
569808	12	12,7	8	1/2"	38,3	64,5	T 1362	
569812	19	19,1	12	3/4"	48,6	69	T 1362	
569816	25	25,4	16	1"			T 1362	

Nota: for a stainless steel item, please add «C» at the end of the reference.

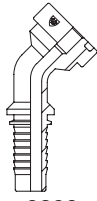
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# SPECIAL FITTINGS

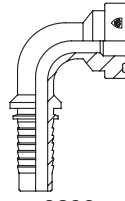
For more information on these fittings, please contact us.



**S891**  
**JIS FLANGE**



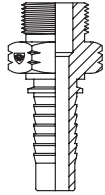
**S892**  
**JIS FLANGE 45° SWEPT ELBOW**



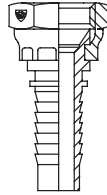
**S893**  
**JIS FLANGE 90° SWEPT ELBOW**



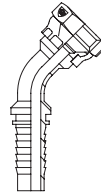
**S131**  
**MALE S.A.E. CONE 90°**



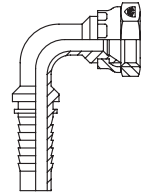
**S141**  
**MALE SAE - O-RING**



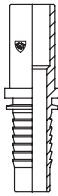
**S221**  
**FEMALE SAE - 90° CONE**



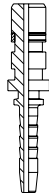
**S222**  
**FEMALE SAE - 90° CONE - 45° SWEPT ELBOW**



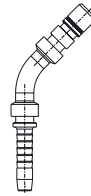
**S223**  
**FEMALE SAE - 90° CONE - 90° SWEPT ELBOW**



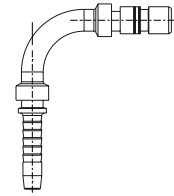
**S521**  
**FRENCH GAZ STAND-PIPE**



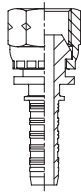
**S991**  
**SNAP STRAIGHT**



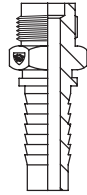
**S992**  
**SNAP ELBOW 45°**



**S993**  
**SNAP ELBOW 90°**



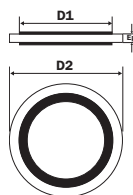
**S271**  
**Female NPSM**



**S971**  
**FARM VALVE METRIC MALE**

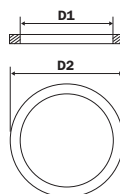
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## BS RING & COPPER SEAL



BS RING

Part N°	Désignation	D1	D2	Ep.
7100914	BS 1/8"	10,37	15,98	2,03
7100915	BS 1/4"	13,25	20,6	2,03
7100916	BS 3/8"	16,75	23,8	2,03
7100917	BS 1/2"	21,25	28,6	2,34
7100918	BS 3/4"	26,75	34,9	2,34
7100919	BS 1"	33,5	42,8	3,25
7100920	BS 1"1/4	42,25	52,4	3,25
7100921	BS 1"1/2	48,25	58,6	3,25
7100922	BS 2"	60	73	3,25
7100904	BS 10	10	16	1,4
7100905	BS 12	12	18	1,4
7100906	BS 14	14	22	1,6
7100907	BS 16	16	24	1,6
7100908	BS 18	18	26	1,6
7100909	BS 20	20	28	1,6
7100911	BS 22	22	30	1,9
7100912	BS 26	26	35	1,9



COPPER SEAL  
THICKNESS 1,5MM

Part N°	Designation	D1	D2	Use on			
				Thread male		Thread female	
				B.S.P	MET	B.S.P	MET
7100431	JC8	8,2	11,2			1/4"	
7100432	JC8A	8,2	12		8		14
7100433	JC10	10,2	13,5	1/8"	10		16
7100434	JC10A	10,2	15			3/8"	18
7100436	JC12	12,2	17		12		
7100437	JC13	13,4	17	1/4"			20
7100438	JC14	14,2	18,5		14	1/2"	22
7100439	JC16	16,2	21		16		24
7100440	JC17	17	21	3/8"			
7100441	JC18	18,2	23		18	3/4"	26
7100442	JC20	20,2	25		20		27
7100443	JC21	21,2	26	1/2v			
7100444	JC22	22,2	27		22		30
7100445	JC22A	22,2	30			1"	
7100446	JC24	24,2	29		24		
7100447	JC27	27,2	32	3/4"	27		36
7100448	JC30	30,2	35		30		39
7100449	JC33	33,2	38,8	1"			42
7100450	JC33A	33,2	38		33	1"1/4	
7100452	JC36	36,2	42		36		45
7100453	JC39	39,2	44		39	1"1/2	48
7100454	JC42	42,2	50	1"1/4	42		52
7100455	JC45	45,2	52		45		
7100456	JC48	48,2	53	1"1/2	48	2"	
7100457	JC52	52,2	62		52		
7100458	JC60	59,8	70	2"			

Nota: for a stainless steel item, please add «C» at the end of the reference.

All the specifications are given as an indication , they may be updated in the interest of our customers.



# SEL TECALEMIT™



Rubber hoses, PVC hoses, protection sheaths  
Fittings SEL TECALEMIT®

The SEL TECALEMIT® department at TECALEMIT FLEXIBLES®, offers a full range of PVC and rubber hoses to ensure the safe conveyance of various fluids and abrasive materials.

Thanks to its official approvals, certifications, wide experience and the development of a large capacity crimping press SEL TECALEMIT® offers a wide range of large-diameter and non-standard crimped hoses.



TECALEMIT FLEXIBLES® - Parc d'activités de Kernaria, 29120 Pont l'Abbé - France

Phone : (33) 02 98 82 48 48 - E-mail : [info@tecalemi.com](mailto:info@tecalemi.com)

"All the specifications are given as an indication , they may be updated in the interest of our customers"



# flexibles TecaLeMIT™



Hydraulic hoses, protection sheaths  
Systeme of flexibles reassured Protecalan

The FLEXIBLES TECALEMIT® department at TECALEMIT FLEXIBLES® offers a full range of low, medium, high and very high pressure hydraulic hoses.

TECALEMIT FLEXIBLES® equips and crimps all types of flexible hoses in compliance with official standards. Thanks to the Protecalan secured flexible hose system, we provide products with an additional protection for operators.



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Phone : (33) 02 98 82 48 48 - E-mail : [info@tecalemitlexibles.com](mailto:info@tecalemitlexibles.com)

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# flexibles TECALEMIT™



**Swage fittings for hydraulic hoses, hydraulic adapters, hydraulic couplings  
B.S.P.T & Metric ring fittings for hydraulic tubes, grease nipples**

**The FLEXIBLES TECALEMIT® department at TECALEMIT FLEXIBLES® offers a wide range of hydraulic & industrial fittings which comply with the numerous technical constraints relating to hydraulic connectors.**

**For a better understanding of the field of hydraulics TECALEMIT FLEXIBLES® provides a specific technical guide to our product range.**



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Phone : (33) 02 98 82 48 48 - E-mail : [info@tecalemitle.com](mailto:info@tecalemitle.com)

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# tubes **TECALEMIT**<sup>TM</sup>



**Technical tubes, spiralled tubes, multitubes  
Connectors & accessories tubes TUBES TECALEMIT®**

**The TUBES TECALEMIT® department at TECALEMIT FLEXIBLES® offers a full range of pneumatic pipes ensuring the conveyance of power or various fluids as well as cable protection.**

**The TUBES TECALEMIT® range of pneumatic products also includes monotubes, multitubes, MANURIL® & MANULAN® workshop spiral tubing and pneumatic connectors.**



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Phone : (33) 02 98 82 48 48 - E-mail : [info@tecalemitle.com](mailto:info@tecalemitle.com)

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## GENERAL TERMS & CONDITIONS OF SALE

### Terms of Sales

The information were concerned catalogs, notes and scales are given only as a rough guide and do not commit the seller. The seller is bound by the commitments of his representatives or employees only subject to confirmation emanating from himself. The offers are valid only within the limits of the deadline of option. Unless otherwise stipulated, this deadline is of 1 month. The additional stationery are the object of a new offer of the seller. It is that after express acceptance by the seller of order of the buyer that both parts are bound by the sale contract. Except special convention noticed, the acceptance of the offer by the customer involves its membership in the present general terms of sale. In the hypothesis where the buyer would intend to take advantage of opposite clauses, he will have to send to our company a registered letter with recorded delivery in 15 days following his knowledge of the present general terms of sale. A negotiation can then make a commitment to reach a possible agreement between the parties. Since the deadline of 15 days will be sold without appearance of will on behalf of the buyer, the present general terms of sale will be considered as irrevocably accepted without any reserve.

### Terms of delivery

Goods are sold, taken and approved in factories or store of the seller, even if the postage-paid is granted. If the shipping is delayed by the buyer and the seller grants it, goods are stored and handled at expenses and risks of the buyer without responsibility for the seller. These measures modify not at all the obligations for payment of the supply and establish no novation to the sale contract. Goods always travel at the risks and the dangers of the buyer, except his recourse against the carrier. It falls to the buyer, when he is himself an addressee of the sending, or to his representative when the buyer makes manage the sending to a third party, to receipt dated to the carrier only having made sure that stationery were delivered to him for the normal deadlines and good state. In case of damage or of absent person, the addressee has to achieve all the formalities of law (in particular reserves on it). The choice of the carrier by the seller does not modify these obligations of the buyer. Except the case where the buyer wishes to choose the carrier or to define condition of the carrier, the shipping are made according to the seller by every possible means by transport, in the most reduced rate. If the buyer imposes his carrier or conditions of transport particular, the seller is entitled to charge him the supplement of the transport costs which he can be brought to support of this fact.

### Packaging

The seller incurs no responsibility of the fact that stationery would not have been packed, in the absence of precise commitment of its part on this point in the sale contract.

### Property reserve

Ownership transfer of the goods is suspended from the complete payment of their price, in main thing and accessories, the risks, the loss or the deterioration of these goods as well as the damage which they could cause falling however to the buyer from the stake of these at his disposal. The seller will benefit from the right of resumption, consequence of the transfer postponed from the property and if he is put obstacle to this resumption address Mister President of the Commercial court of Quimper ruling in emergency proceeding, so that he orders it. The buyer will have to watch that the identification of the goods is always possible. Products in stock are presumed to be the ones to pay.

### Studies and projects

The studies and documents of all kinds transmitted by the seller always stay its whole property. They must be restored to him on his demand. The seller preserves entirely the intellectual property of these projects which can be neither communicated nor executed without his written authorization.

### Delivered quantities

The charged quantities are the ones which were really delivered. They can postpone ordered quantities without this fact can entail a contesting on behalf of the buyer.

### Delivery deadlines

The delivery deadlines indicated by the seller get on from the date of the acknowledgement of receipt of order. Except express agreement these deadlines are given only as a rough guide and are not rigorous, their overtaking can entail neither cancellation of the order, nor compensation. Even in the case of formal acceptance by the seller, of deadlines the overtaking of which would entail penalties, the execution of stationery can be suspended or delayed without compensation chargeable to the seller if the terms of payment are not observed by the buyer or if the information to be supplied by this last one did not reach the seller in due course. The war, the strikes, the epidemics, the total or partial interruption of transport, the shortage of raw materials, the hindrances resulting from measures of the authority regarding import of responsibility or internal economic regulations, the incidents or accidents of any causes entailing the unemployment of everything of all or any factories, the fire, the flood, the breaking of machine, the difficulties of transport, the accident of manufacturing, the imperfection of the raw material as a result of the deficiency of a supplier, quite





## GENERAL TERMS & CONDITIONS OF SALE

other accident or the not attributable event to the seller and presenting an irresistible and unpredictable character which prevents or reduces the manufacturing, is considered as cases of absolute necessity and unload our company of the obligation to deliver, without compensation neither damage interests and, in a general way, any coincidences or of circumstances outside one's control authorizing by rights the suspension of the current contracts or their late execution without compensation(allowance) nor damage.

### Prices

Prices are established on the basis of the economic conditions indicated in the offers. They are revisable according to the variation of the costs of their constituent elements within the framework of the legislation in force. Charged prices are the ones current, in particular if necessary according to price lists or scales, the day of the provision of stationery. The variations of price can be, on no account, a motive for termination of the order. Minimum order and postage-paid: these conditions are defined on our price lists.

### Payment

The fact that the product is made available to the client triggers invoicing. Supplies shall be paid to the head-office of the vendor within 30 days, or if a specific agreement has been made, by the date stated on the invoice. For any payment made before the due date, the vendor shall offer a discount, the conditions of which are indicated on the invoice. Any amount due and not paid in time shall be subject to interests as a matter of law, and a final notice shall be issued. Interests shall be applied at the legal rate in force plus 50%. These interests shall be invoiced separately at the end of the month. If the buyer does not pay an invoice by its due date, all other invoices become due immediately, even if they had previously given rise to commercial agreements and all sales not yet fully completed and paid shall be void as a matter of law, if this is the choice of the vendor, after a final notice to pay indicating the vendor intends to invoke this clause has been issued and has not been immediately followed by a response from the buyer. The vendor shall then be entitled to repossess or mandate someone to repossess the supplies if their sale has been cancelled as a matter of law. If the buyer objects to this repossession, the vendor can contact the President of the Trade Court of Quimper, ruling in summary proceedings, so that an order is issued. In application to what is mentioned above, received payments shall be applied in priority to supplies not recovered in kind. For any future order, the vendor shall be entitled to demand full payment is made prior to shipping. Any change in the situation of the buyer, such as the sale or placement in collateral of all or part of the business, death, incapacity, dissolution or change in company status, even after the partial execution of the contract or order, shall lead to the application of the same provisions as those mentioned in case of non-payment of invoices.

### Warranty

Unless otherwise stipulated, orders are executed according to the standards it exists and with tolerances of use in current quality and without respect in the special use there for which the buyer intends them. The desk clerk has to verify immediately the quantity, the weight, the dimensions and the quality. Goods are guaranteed against the not visible defects of material and manufacturing and against the latent defects during 12 months as from their starting, and at the latest 18 months after the date of provision. During this warranty period, any complaint will necessarily have to be formulated by registered letter with recorded delivery at the latest within one month after the discovery of the defects or the vices and any action must, to be acceptable, be instituted for the deadline of use of 2 months following the complaint. The seller can have only in the pure and simple replacement, in the price list of the most reduced transport, the defective recognized goods without other allowance, so replaced stationery staying its property. The imperfections resulting from a storage, from an assembly or from a use of goods by the clientele in abnormal conditions are excluded from any guarantees, or not corresponding to the rules of art. The seller accepts no return without having authorized him previously.

### Test and reception

Goods are checked in the factories of the seller only on the express demand of the buyer and according to the methods suited during the order. The corresponding expenses, in particular the expenses of vacation and report are chargeable to the buyer

### Attribution of jurisdiction

In case of contesting, the French law is only application and the courts of the head office of the company are only competent, whatever are the terms of sale and the method of payment suited even in case of call in guarantee or of plurality of applicants or defendants.







“Innovative and present for many years throughout all industries, proposed by an exclusive network of distributors, Tecalemit Flexibles remains a guarantee of quality and offers a wide range of hydraulic and pneumatic connectors”

# Tecalemit flexibles™



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