

FITTINGS



Hydraulic Fitting Families

The Continental fitting product line is broken into sections based on the fitting type:

1	2	3	4	5	6	7	8	9	10
B2	SG	S6, SE, DG	BT	UC	FG	TP	UT	Specialty	Ferrules
SR1SN	SR12	SR13	HR4	SR1SN	SR5	SR7	DUT	NSFX	SR1SN
DR1SN	ARC12	ARC13		SR2SN	DR5	TR7		Hot Oiler	SR2SN
SFS	SR13	SR15		SR3		NR7		SGUN	SR3
SR2SN	ARC13	ARC15		SR5		BR7		SHJ	SR5
DR2SN	SR15	XCP5S		DR5		SR8		IG	DR5
LR16SC	ARC15	XCP6S		SR6		TR8		IGHT	SR6
LR2SN	LCP4S			HR6		NR8		IGTC	HR6
LCP3	LCP6S			HR4		SR18		FXG	HR4
SR16SC	S4SP			SR14A					SR14A
ARC16SC	S4SH			SFS					SFS
DR16SC	XCP3S			SCP3					SCP3
XR16SC	XCP4S			ACP3					ACP3
SCP3	XCP5S			BOP					BOP
ACP3	XCP6S								SR13
XCP3									ARC13
XCP4									SR15
SR12									S4SP
ARC12									S4SH
Hot Oiler									XCP6S

Quick-Find™ Fittings

Continental Brand Quick-Find™ Hydraulic Hose and Fitting catalog makes fitting selection very easy with a 5-step process.

Step 1 - Choose the Hose Type

The first step in choosing the correct fitting is selecting the hose type from one of the 9 sections (excluding ferrules).

Note: Some hose may appear in more than one section, depending on the hose dash size and/or whether the desired fitting solution is a one-piece (B2, BT, SG, S6), two-piece (UC, DG) or re-attachable (FG).

Step 2 - Choose the Fitting Description

Once the hose type has been identified, go to the correct section and view the available fittings for that particular hose. Within the content of each section there is a table for each fitting.

The Fitting Description at the top of each table describes the following elements:

JIC 37° Flare (SAE J514)	Female	45° Elbow	Swivel
Thread Description	Gender	Elbow	Swivel or Non-Swivel

Step 3 - Choose Hose ID and Thread Size

Choose the correct fitting selected in Step 2 based on the Hose ID and Thread Size. In some cases, a fitting may be available in several thread sizes. As an example, a JIC 37° Flare (SAE J514) Female Swivel is available for a Hose ID of 3/8" and thread sizes 9/16 -18 and 3/4 -16.

Step 4 - Determine Availability for Hose Type

With the desired fitting identified by Hose ID and thread size in Step 3, confirm the fitting is compatible for a particular hose type by referencing the hose listed in the footer shown on the bottom of the page.

Step 5 - Note the Part Number

The fitting part number can now be noted. The part number is found on the left side of the chart. For UC and DG two-piece fittings, see Section 10 - Ferrules to find the appropriate ferrule.



Download the **MyCrimp App** for more information.

General Information

Fitting Selection

FITTINGS



Hydraulic Fittings Nomenclature

EXAMPLE: **B2 - JCFX45 - 0608**



FITTING FAMILY	THREAD DESCRIPTION	HOSE DASH SIZE	THREAD DASH SIZE
First 2 Characters	Next 2-7 Characters	Next 2 Characters	Last 2 Characters
B2 BT Ultra-Crimp™ S6 (1-piece fitting) SG	Refer to the next page for detailed information.	All hose except SAE 100R5, DUT and Galaxy Hose:	See the Thread Reference Chart for converting dash size to thread sizes (starting on page 334).
T7 Thermoplastic T8 (1-piece fitting)		02 1/8" (32 mm) 03 3/16" (4.8 mm) 04 1/4" (6.4 mm) 05 5/16" (7.9 mm) 06 3/8" (9.5 mm) 08 1/2" (12.7 mm) 10 5/8" (15.9 mm) 12 3/4" (19 mm) 16 1" (25.4 mm) 20 1 1/4" (31.8 mm) 24 1 1/2" (38.1 mm) 32 2" (50.8 mm) 40 2 1/2" (63.5 mm)	02 03 04 05 06 08 10 12 14 15
FG Field-Grip™ (1-piece reattachable fitting)		SAE 100R5, DUT and Galaxy Hose:	16 18 20 22 24 26 28 30 32 33 36 40 42 45 52
UT DUT Hose (1-piece reattachable fitting)			
UC Uni-Crimp™ Stem (2-piece fitting)			
DG Dual-Grip Stem (2-piece internal and external skive fitting)			
PB Push-On Brass (1-piece fitting)			
SF Saflex® (1-piece fitting)			
GG Grease Gun (1-piece fitting)			

Warning - Selection of Fitting

Selection of the proper fittings for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the hose fitting for the application can result in hose leakage, bursting or other failures, which can cause serious bodily injury or property damage from spraying fluids or flying projectiles. Some of the factors involved in the selection of the proper hose ends are:

› **Fluid Compatibility** › **Pressure** › **Temperature** › **Installation Design** › **Hose Size** › **Corrosion Requirements**

If there are any questions as to what fitting should be used, Continental recommends that you consult the Continental Hydraulics Application Group for assistance.

Proper Assembly of Continental Hose and Fittings

Continental hose, fittings and crimping equipment work together to provide an efficient and reliable hose connection. Continental hose and fittings are part of an engineered system and are to be assembled in accordance with Continental specifications. Using non-Continental components may produce an assembly that does not meet rated performance. Continental DOES NOT WARRANT, EXPRESSLY OR BY IMPLICATION, HOSE ASSEMBLIES THAT DO NOT INCORPORATE Continental HOSE AND FITTINGS, OR ARE NOT CRIMPED IN ACCORDANCE WITH Continental's PROCESS SPECIFICATIONS.

Buyers may elect to attach additional or non-standard parts or equipment, or to use different manufacturing specifications, as necessary to meet the requirements of the buyer or customer's application. In such cases, the buyer has sole responsibility to qualify the hose for these applications as necessary to ensure performance capability.

For guidance in the assembly of Continental hose and couplings, please refer to the Continental Crimp Specifications Manual. Information in this catalog is believed to be accurate, but is not warranted, and is subject to change without prior notice.

For the most current available product information, check www.continental-industry.com.

Hydraulic Fittings Nomenclature

Thread	Thread Description	Gender	Swivel	Elbow	Thread	Thread Description	Gender	Swivel	Elbow
JC FX		Female	Swivel		OF FX		Female	Swivel	
JC FX45		Female	Swivel	45° Elbow	OF FX45		Female	Swivel	45° Elbow
JC FX90		Female	Swivel	90° Elbow	OF FX90		Female	Swivel	90° Elbow
JC FX90L	JIC 37° Flare (SAE J514)	Female	Swivel	90° Elbow (Long Drop-Tube)	OF FX90L	O-Ring Face Seal (SAE J1453 ORS/ORFS)	Female	Swivel	90° Elbow (Long Drop-Tube)
JC FX90S		Female	Swivel	90° Elbow (Short Drop-Tube)	OF FX90S		Female	Swivel	90° Elbow (Short Drop-Tube)
JC M		Male			OF M		Male		
SF FX		Female	Swivel		OB M		Male		
SF FX45		Female	Swivel	45° Elbow	OB MX	O-Ring Boss Straight Thread (SAE J514)	Male	Swivel	
SF FX90		Female	Swivel	90° Elbow	OB MX90B		Male	Swivel	90° Block Elbow
SF FX90L	SAE 45° J512 Flare	Female	Swivel	90° Elbow (Long Drop-Tube)	FL				
SF FX90S		Female	Swivel	90° Elbow (Short Drop-Tube)	FL 22				22.5° Elbow
SF M		Male			FL 30				30° Elbow
SI F		Female			FL 45				45° Elbow
SI M		Male			FL 60	Code 61 Flange (SAE J518)			60° Elbow
SI MX	SAE 45° Inverted Flare	Male	Swivel		FL 67				67° Elbow
SI MX45		Male	Swivel	45° Elbow	FL 90				90° Elbow
SI MX90		Male	Swivel	90° Elbow	FL 110				110° Elbow
NP F		Female			FL 135				135° Elbow
NP FX		Female	Swivel		FL 90EOC	Engine Oil Connection			90° Elbow
NP M		Male			FH				
NP M90	NPTF	Male		90° Elbow	FH 22				22.5° Elbow
NP MX		Male	Swivel		FH 30				30° Elbow
NP MX90B		Male	Swivel	90° Block Elbow	FH 45	Code 62 Flange (SAE J518)			45° Elbow
NP MAPI	NPTF Oil Field Connection	Male			FH 60				60° Elbow
HM	Hose Mender				FH 67				67° Elbow
NS FX	NPSM	Female	Swivel		FH 90				90° Elbow
FT M	SAE J514 Flareless Tube Fittings	Male			CF				
GT F	Grease Trap	Female			CF 22				22.5° Elbow
SP	Standpipe				CF 30				30° Elbow
SP 45				45° Elbow	CF 45	Caterpillar® Flange			45° Elbow
					CF 60				60° Elbow
					CF 67				67° Elbow
					CF 90				90° Elbow

Continued on the next page.



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General Information
Hydraulic Fittings Nomenclature

FITTINGS

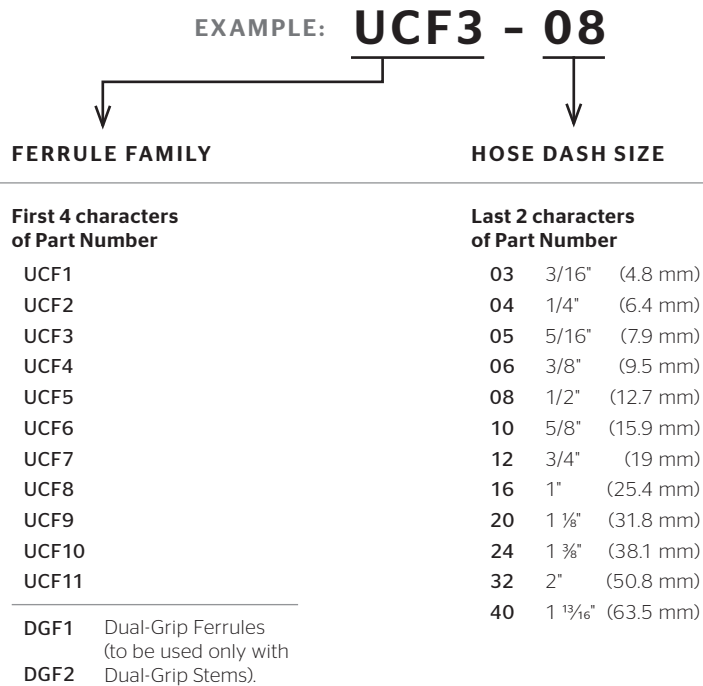


Hydraulic Fittings Nomenclature Continued

Thread	Thread Description	Gender	Swivel	Elbow
KF				
KF 45	Komatsu Flange			45° Elbow
KF 90				90° Elbow
BP		Female	Swivel	
BP	BSPP (British Standard Pipe Parallel)	Female	Swivel	45° Elbow
BP		Female	Swivel	90° Elbow
BP		Male	Swivel	
BT M	BSPT (British Standard Pipe Tapered)	Male		
BF FX	BSP Flat Seat (British Standard Pipe)	Female	Swivel	
DL FX		Female	Swivel	
DL FX45	DIN 24° Light	Female	Swivel	45° Elbow
DL FX90		Female	Swivel	90° Elbow
DL M		Male		

Thread	Thread Description	Gender	Swivel	Elbow
DH FX		Female	Swivel	
DH FX45	DIN 24° Heavy	Female	Swivel	45° Elbow
DH FX90		Female	Swivel	90° Elbow
DH M		Male		
DN FX45	DIN 60	Female	Swivel	45° Elbow
DN FX90		Female	Swivel	90° Elbow
KM		Female	Swivel	
KM	Komatsu 30° Flare (Metric Threads)	Female	Swivel	45° Elbow
KM		Female	Swivel	90° Elbow
JS FX	JIS 30° (Parallel Pipe Thread)	Female	Swivel	
PTT FX	PTT 30° (for DUT hose)	Female	Swivel	

Hydraulic Ferrule Nomenclature



SECTION 8 - UT FITTINGS

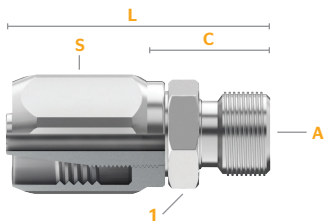
This section lists all fittings compatible with the following hose:

Hose	Description	Compatible Dash Size
DUT	SAE J1402 Type AI	All hose dash sizes

How to Use the Fittings Table








The fittings in this section will follow a similar table structure to the one seen on this page.

Fitting dimensions and attributes are explained below.



Fitting Name

Compatible Hose
Fitting Description

Part Number	Product Number	SAP Number											
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Cut-Off (C)	Length (L)				
			in.		in.	mm	in.	mm	in.	mm	in.	mm	
UTFTM-0404	38360-0404	20419775	3/16	7/16-20	1/2	12.7	9/16	14.3	9/16	0.96	24.5	1.68	42.7
UTFTM-0505	38360-0505	20419777	1/4	1/2-20	9/16	14.3	5/8	15.9	5/8	0.92	23.4	1.72	43.7
UTFTM-0604	38360-0604	20419778	5/16	7/16-20	9/16	14.3	9/16	14.3	3/4	1.01	25.7	2.12	53.8

Fitting Dimensions and Attributes

Part Number See Hydraulic Fittings Nomenclature on page 128 for a breakdown of part number attributes

Hose ID The compatible Hose ID

Tube ID The compatible Tube ID

Thread Size The thread size or sizes available for a particular fitting dash size (indicated by **A** in the fitting image)

Hex Size The wrench size for one or both nuts on the fitting (indicated by **1** or **2** in the fitting image)

Drop The length of the elbow (indicated by **D** in the fitting image)

Cut-Off The amount of hose to be cut for a correct assembly length (indicated by **C** in the fitting image)

Length The overall length of the fitting

Choose fittings carefully, considering the working pressure of both the hose and fitting. The maximum working pressure of the hose assembly is the lesser of the rated working pressure of the hose and the fitting. See page 333 for the Fittings Working Pressure Guide.

UT Fittings Overview

A complete overview of all UT fittings found in this section.

JIC 37° Flare (SAE J514)

Female Swivel

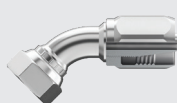


UT-JCFX

P. 308

JIC 37° Flare (SAE J514)

Female 45° Elbow Swivel



UT-JCFX45

P. 308

JIC 37° Flare (SAE J514)

Female 90° Elbow Swivel



UT-JCFX90

P. 309

SAE 45° J512 Flare

Female Swivel



UT-SFFX

P. 309

SAE 45° J512 Flare

Female 45° Elbow Swivel



UT-SFFX45

P. 310

SAE 45° J512 Flare

Female 90° Elbow Swivel



UT-SFFX90

P. 310

SAE 45° Inverted Flare

Male Swivel

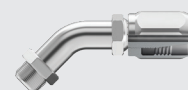


UT-SIMX

P. 311

SAE 45° Inverted Flare

Male 45° Elbow Swivel



UT-SIMX45

P. 311

SAE 45° Inverted Flare (SAE J514)

Male 90° Elbow Swivel



UT-SIMX90

P. 312

NPTF

Male



UT-NPM

P. 312

SAE J514 Flareless Tube Fittings

Male



UT-FTM

P. 313

Flange Engine Oil Connection (Two Bolt)

90° Elbow



UT-FL90EOC

P. 313

PTT 30°

Female Swivel



UT-PTTFX

P. 313

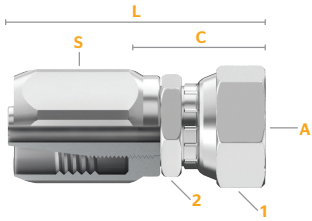


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Section 8
UT Fittings








FITTINGS



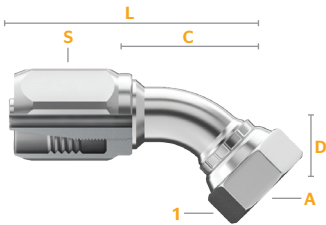


JIC 37° Flare (SAE J514)

Female / Swivel









Part Number	Product Number	SAP Number											
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Cut-Off (C)	Length (L)				
			in.		in.	mm	in.	mm	in.	mm	in.	mm	
UT-JCFX-0404 ^{DS}	38400-0404	20419786	3/16	7/16-20	1/2	12.7	9/16	14.3	9/16	1.10	27.9	1.82	46.2
UT-JCFX-0505 ^{DS}	38400-0505	20419787	1/4	1/2-20	1/2	12.7	11/16	17.5	5/8	1.21	30.7	2.00	50.8
UT-JCFX-0606	38400-0606	20419788	5/16	9/16-18	3/4	19.1	3/4	19.1	3/4	1.19	30.2	2.04	51.8
UT-JCFX-0808 ^{DS}	38400-0808	20419789	13/32	3/4-16	7/8	22.2	7/8	22.2	7/8	1.45	36.8	2.45	62.2
UT-JCFX-1010 ^{DS}	38400-1010	20419801	1/2	7/8-14	1 1/16	27.0	1 1/16	27.0	1	1.65	41.9	2.72	69.1
UT-JCFX-1212	38400-1212	20419803	5/8	1 1/16-12	1 1/4	31.8	1 1/4	31.8	1 1/2	1.78	45.2	2.92	74.2
UT-JCFX-1616	38400-1616	20419804	7/8	1 3/8-12	1 1/2	38.1	1 1/2	38.1	1 3/4	1.84	46.7	2.90	73.7
UT-JCFX-2020	38400-2020	20419806	1 1/8	1 5/8-12	1 3/4	39.7	2	50.8	1 3/4	2.20	55.9	3.34	84.8

DS = Dual Seat (Connects to either SAE 45° or JIC 37° male fitting.)



JIC 37° Flare (SAE J514)

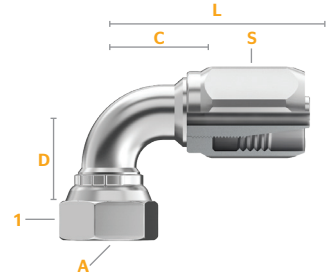
Female / 45° Elbow / Swivel









Part Number	Product Number	SAP Number													
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Drop (D)	Cut-Off (C)	Length (L)					
			in.		in.	mm	in.	mm	in.	mm	in.	mm			
UT-JCFX45-0404 ^{DS}	38420-0404	20419746	3/16	7/16-20	1/2	12.7	9/16	14.3	9/16	0.34	8.6	1.20	30.5	1.92	48.8
UT-JCFX45-0606	38420-0606	20419747	5/16	9/16-18	1/2	12.7	11/16	17.5	3/4	0.41	10.4	1.48	37.6	2.33	59.2
UT-JCFX45-0808 ^{DS}	38420-0808	20419749	13/32	3/4-16	7/8	17.5	7/8	22.2	7/8	0.56	14.2	1.73	43.9	2.73	69.3
UT-JCFX45-1010 ^{DS}	38420-1010	20419750	1/2	7/8-14	3/4	19.1	1	25.4	1	0.63	16.0	2.11	53.6	3.17	80.5
UT-JCFX45-1212	38420-1212	20419751	5/8	1 1/16-12	7/8	22.2	1 1/4	31.8	1 1/2	0.78	19.8	2.49	63.2	3.63	92.2

DS = Dual Seat (Connects to either SAE 45° or JIC 37° male fitting.)

JIC 37° Flare (SAE J514)

Female / 90° Elbow / Swivel

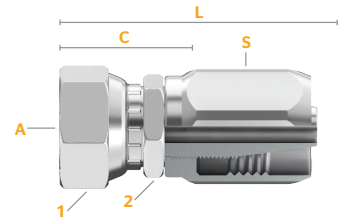









Part Number	Product Number	SAP Number													
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Drop (D)	Cut-Off (C)	Length (L)					
			in.		in.	mm	in.	mm	in.	mm	in.	mm			
UT-JCFX90-0404 ^{DS}	38425-0404	20419742	3/16	7/16-20	1/2	12.7	9/16	14.3	9/16	0.69	17.5	1.00	25.4	1.72	43.7
UT-JCFX90-0606	38425-0606	20419538	5/16	9/16-18	1/2	12.7	11/16	17.5	3/4	0.84	21.3	1.36	34.5	2.21	56.1
UT-JCFX90-0808 ^{DS}	38425-0808	20419743	13/32	3/4-16	11/16	17.5	7/8	22.2	7/8	1.09	27.7	1.54	39.1	2.54	64.5
UT-JCFX90-1010 ^{DS}	38425-1010	20419744	1/2	7/8-14	3/4	19.1	1	25.4	1	1.25	31.8	1.91	48.5	2.97	75.4
UT-JCFX90-1212	38425-1212	20419535	5/8	1 1/8-12	7/8	22.2	1 1/4	31.8	1 1/8	1.81	46.0	2.44	62.0	3.58	90.9
UT-JCFX90-1616	38425-1616	20419537	7/8	1 1/8-12	1 1/4	31.8	1 1/2	38.1	1 1/8	2.16	54.9	2.66	67.6	3.72	94.5

DS = Dual Seat (Connects to either SAE 45° or JIC 37° male fitting.)

SAE 45° J512 Flare

Female / Swivel



Part Number	Product Number	SAP Number											
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Cut-Off (C)	Length (L)				
			in.		in.	mm	in.	mm	in.	mm			
UTSFFX-0606	38775-0606	20419782	5/16	5/8-18	3/4	19.1	3/4	19.1	3/4	1.28	32.5	2.13	54.1
UTSFFX-1212	38775-1212	20419784	5/8	1 1/8-14	1 1/4	31.8	1 1/4	31.8	1 1/8	1.80	45.7	2.94	74.7

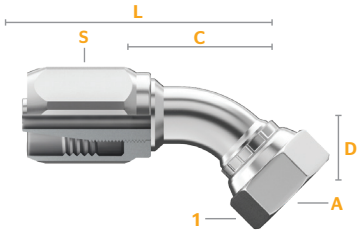


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Section 8
UT Fittings

FITTINGS



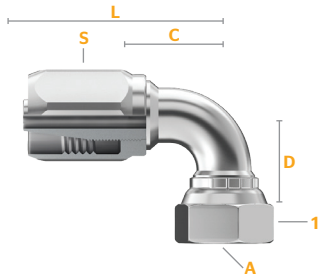


SAE 45° J512 Flare

Female / 45° Elbow / Swivel



Part Number	Product Number	SAP Number	Hose ID		Thread Size (A)		Hex 1 Wrench Size		Hex 2 Wrench Size		(S) Socket Wrench Size	Drop (D)		Cut-Off (C)		Length (L)	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
UT-SFFX45-0606	38777-0606	20419748	5/16		5/8-18	1/2	12.7	3/4	19.1	3/4	0.41	10.4	1.48	37.6	2.33	59.2	
UT-SFFX45-1212	38777-1212	20419752	5/8		1 1/6-14	7/8	22.2	1 1/4	31.8	1 1/8	0.78	19.8	2.49	63.2	3.63	92.2	



SAE 45° J512 Flare

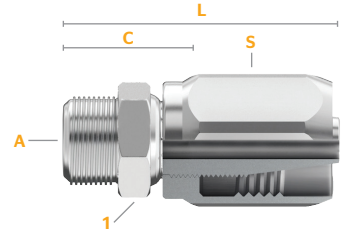
Female / 90° Elbow / Swivel



Part Number	Product Number	SAP Number	Hose ID		Thread Size (A)		Hex 1 Wrench Size		Hex 2 Wrench Size		(S) Socket Wrench Size	Drop (D)		Cut-Off (C)		Length (L)	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
UT-SFFX90-0606	38780-0606	20419539	5/16		5/8-18	1/2	12.7	3/4	19.1	3/4	0.84	21.3	1.36	34.5	2.21	56.1	
UT-SFFX90-1212	38780-1212	20419536	5/8		1 1/6-14	7/8	22.2	1 1/4	31.8	1 1/8	1.81	46.0	2.44	62.0	3.58	90.9	

SAE 45° Inverted Flare

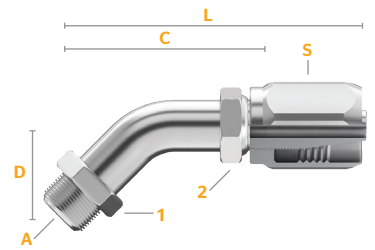
Male / Swivel



Part Number	Product Number	SAP Number											
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Cut-Off (C)	Length (L)				
			in.		in.	mm	in.	mm	in.	mm			
UTSIMX-0404	38800-0404	20419716	3/16	7/16-24	1/2	12.7	7/16	11.1	9/16	1.33	33.8	2.05	52.1
UTSIMX-0505	38800-0505	20419717	1/4	1/2-20	1/2	12.7	1/2	12.7	5/8	1.45	36.8	2.26	57.4
UTSIMX-0605	38800-0605	20419718	5/16	1/2-20	1/2	12.7	1/2	12.7	3/4	1.54	39.1	2.39	60.7
UTSIMX-0606	38800-0606	20419719	5/16	5/8-18	1/2	12.7	5/8	15.9	3/4	1.86	47.2	2.71	68.8
UTSIMX-0808	38800-0808	20419740	13/32	3/4-18	11/16	17.5	3/4	19.1	7/8	2.24	56.9	3.24	82.3

SAE 45° Inverted Flare

Male / 45° Elbow / Swivel



Part Number	Product Number	SAP Number													
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Drop (D)	Cut-Off (C)	Length (L)					
			in.		in.	mm	in.	mm	in.	mm	in.	mm			
UTSIMX45-0606	38810-0606	20419640	5/16	5/8-18	1/2	12.7	5/8	15.9	3/4	0.84	21.3	2.94	74.7	3.79	96.3
UTSIMX45-0808	38810-0808	20419741	13/32	3/4-18	1 1/16	17.5	3/4	19.1	7/8	1.09	27.7	3.24	82.3	4.24	107.7

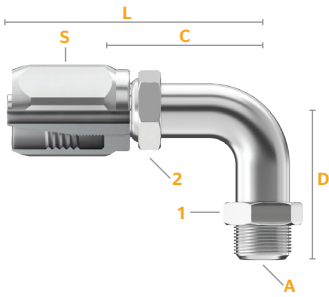


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Section 8
UT Fittings

FITTINGS

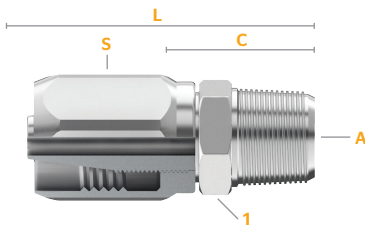




SAE 45° Inverted Flare (SAE J514)

Male / 90° Elbow / Swivel

Part Number	Product Number	SAP Number	Hose ID		Thread Size (A)		Hex 1 Wrench Size		Hex 2 Wrench Size		(S) Socket Wrench Size	Drop (D)		Cut-Off (C)		Length (L)	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
UT-SIMX90-0404	38815-0404	20419641	3/16		7/16-24	1/2	12.7	7/16	11.1	9/16	1.25	31.8	1.33	33.8	2.05	52.1	
UT-SIMX90-0505	38815-0505	20419642	1/4		1/2-20	1/2	12.7	1/2	12.7	5/8	1.50	38.1	1.46	37.1	2.25	57.2	
UT-SIMX90-0605	38815-0605	20419643	5/16		1/2-20	1/2	12.7	1/2	12.7	3/4	1.50	38.1	1.54	39.1	2.39	60.7	
UT-SIMX90-0606	38815-0606	20419644	5/16		5/8-18	1/2	12.7	5/8	15.9	3/4	1.63	41.4	1.86	47.2	2.71	68.8	
UT-SIMX90-0808	38815-0808	20419714	13/32		3/4-18	11/16	17.5	3/4	19.1	7/8	2.00	50.8	2.24	56.9	3.24	82.3	



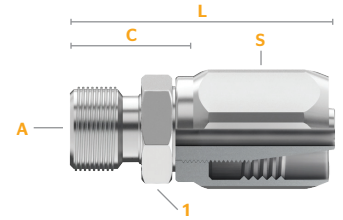
NPTF

Male

Part Number	Product Number	SAP Number	Hose ID		Thread Size (A)		Hex 1 Wrench Size		(S) Socket Wrench Size	Cut-Off (C)		Length (L)	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
UT-NPM-0402	38615-0402	20419753	3/16		1/8-27	1/2	12.7	9/16	0.81	20.6	1.53	38.9	
UT-NPM-0404	38615-0404	20419754	3/16		1/4-18	9/16	14.3	9/16	1.03	26.2	1.75	44.5	
UT-NPM-0504	38615-0504	20419755	1/4		1/4-18	9/16	14.3	5/8	0.96	24.4	1.76	44.7	
UT-NPM-0604	38615-0604	20419756	5/16		1/4-18	9/16	14.3	3/4	1.00	25.4	1.85	47.0	
UT-NPM-0606	38615-0606	20419757	5/16		3/8-18	11/16	17.5	3/4	1.04	26.4	1.89	48.0	
UT-NPM-0806	38615-0806	20419758	13/32		3/8-18	11/16	17.5	7/8	1.19	30.2	2.19	55.6	
UT-NPM-0808	38615-0808	20419759	13/32		1/2-14	7/8	22.2	7/8	1.29	32.8	2.29	58.2	
UT-NPM-1008	38615-1008	20419770	1/2		1/2-14	7/8	22.2	1	1.31	33.3	2.38	60.5	
UT-NPM-1212	38615-1212	20419771	5/8		3/4-14	1 1/16	27.0	1 1/8	1.44	36.6	2.59	65.8	
UT-NPM-1612	38615-1612	20419773	7/8		3/4-14	1 1/16	27.0	1 3/8	1.43	36.3	2.49	63.2	
UT-NPM-1616	38615-1616	20419772	7/8		1-11 1/2	1 3/8	34.9	1 3/8	1.74	44.2	2.80	71.1	
UT-NPM-2020	38615-2020	20419774	1 1/8		1 1/4-11 1/2	1 3/8	44.5	1 3/8	1.80	45.7	2.92	74.2	

SAE J514 Flareless Tube Fittings

Male

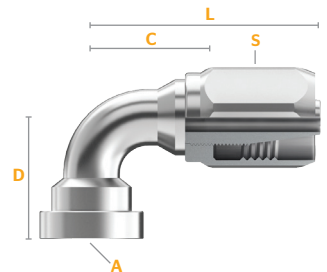


Part Number	Product Number	SAP Number											
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Cut-Off (C)	Length (L)				
			in.		in.	mm	in.	mm	in.	in.	mm	in.	mm
UTFTM-0404	38360-0404	20419775	3/16	7/16-20	1/2	12.7	9/16	14.3	9/16	0.96	24.5	1.68	42.7
UTFTM-0505	38360-0505	20419777	1/4	1/2-20	9/16	14.3	5/8	15.9	5/8	0.92	23.4	1.72	43.7
UTFTM-0604	38360-0604	20419778	5/16	7/16-20	9/16	14.3	9/16	14.3	3/4	1.01	25.7	2.12	53.8
UTFTM-0606	38360-0606	20419779	5/16	5/8-18	5/8	15.9	11/16	17.5	3/4	1.03	26.2	1.87	47.6
UTFTM-0808	38360-0808	20419780	13/32	3/4-16	13/16	20.6	7/8	22.2	7/8	1.15	29.2	2.15	54.6
UTFTM-1010	38360-1010	20419781	1/2	7/8-14	15/16	23.8	1	25.4	1	1.27	32.3	2.34	59.6

All Fittings come with Nut and Sleeve

Flange Engine Oil Connection (Two Bolt)

90° Elbow

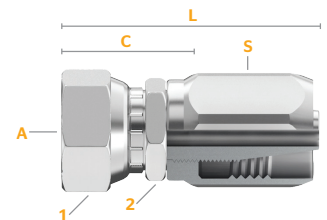


Part Number	Product Number	SAP Number												
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Drop (D)	Cut-Off (C)	Length (L)				
			in.		in.	mm	in.	mm	in.	in.	mm	in.	mm	
UTFL90EOC-2020	38351-2020	20419745	1 1/4	1 1/4	1 1/16	39.7	1 1/8	2.50	63.5	3.82	97.0	4.95	125.7	Y 52.1

UTFL90EOC-2020 includes engine connection flange clamp plate

PTT 30°

Female / Swivel



Part Number	Product Number	SAP Number											
			Hose ID	Thread Size (A)	Hex 1 Wrench Size	Hex 2 Wrench Size	(S) Socket Wrench Size	Cut-Off (C)	Length (L)				
			in.		in.	mm	in.	mm	in.	in.	mm	in.	mm
UTPTTFX-1616	38745-1616	20419805	7/8	1 1/16-14	1 1/2	38.1	1 1/2	38.1	1 3/8	1.68	42.7	2.74	69.6



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Section 8
UT Fittings

FITTINGS

