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HIRON MACHINERY

浙江海荣机械有限公司
ZHEJIANG HIRON MACHINERY CO., LTD.

Adapter & Fitting Specialist

液压管件参考手册

ADAPTER & FITTING POCKET GUIDE



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海榮簡介

浙江海荣机械有限公司是一家集研发、制造和销售为一体的综合性企业。前身为玉环县第三化工机械厂，创建于1979年。公司占地面积30000m²，现有员工400多人，产品集液压管接件（碳钢、不锈钢、铝、铜）、法兰、阀门配件、汽车配件等系列近万种产品。年产量约2000多万件，已远销美、英、法、德等欧美市场，“海荣”商标在国际市场上享有较高的声誉，尤其是在美国。

海荣的液压管件、法兰等产品是按照SAE，DIN，ISO等标准来制造、生产。产品主要用在液压、润滑、冷却等流体系统中，应用于工程机械，农业机械，机床制造，航空，铁路，汽车，船舶，石油化工，注塑机械等行业。

海荣人本着“海阔天空，荣辱与共”的文化精神，依靠“以质量求生存、以管理求效益、以品牌赢客户、以改进求发展”的质量方针，与时俱进，开拓创新；坚持“诚实守信，互惠互利”的原则经营企业。

海荣人热切希望能为国内外客户提供服务，与您共创美好未来。

- 1979年 玉环县第三化工机械厂
- 1993年 开始阀门及接头生产，出口国外市场
- 1998年 建造新厂区
- 1999年 更名为玉环县海荣机械有限公司（中外合资）
- 2001年 通过了ISO9000:1998质量管理体系认证
- 2004年 更名为浙江海荣机械有限公司
- 2006年 通过了ISO/TS16949:2002质量管理体系认证
- 2007年 投资建造海荣第三厂区
- 2008年 正式进入国内市场
- 2011年 投资建造浙江海荣锻压分厂
- 2012年 通过了ISO9001:2008质量管理体系认证
- 2018年 通过了ISO9001:2015质量管理体系认证



Brief Introduction — Hiron

Zhejiang Hiron Machinery Co., Ltd develops itself into a diversified and comprehensive entity with development, manufacturing and sales. Founded in 1979, Hiron was formerly known as Yuhuan County NO.3 Chemical Machinery Factory. After decades of hard work, Hiron has entered the ranks of medium and large enterprises in Taizhou. It covers an area of over 30,000 square meters and has over 400 employees. Different series, with more than ten thousand kinds of products, like hydraulic fittings (Material with carbon steel, stainless steel, aluminum, copper), flanges, valves, auto parts and so on. The annual output is over 20 million pieces. Hiron has worked with lots of corporations in Europe and US. Hiron brand enjoys a high reputation in the international market, especially in US.

Products like hydraulic fittings and flanges are manufactured per SAE, DIN and ISO standards. They are mainly used in hydraulic, lubrication, cooling and other fluid systems, involving lots of relevant industrial areas such as engineering machinery, agricultural machinery, machine tool manufacturing, aviation, railway, automobile, ship, petrochemical, injection machinery.

Hiron believes the cultural spirit -- the open sea and sky, the common weal and woe. Hiron relies on the policy of "quality of survival, manage for efficiency, brand to win customers and improve quality to develop with the times and blaze new trails. Hiron adheres to the principle of "honest and trustworthy, mutual benefit" to expand business.

Hiron will work together with global partners for a better future.

Company History

- In 1979 Founded Yuhuan County NO.3 Chemical Machinery Factory
- In 1993 Started the business of valves and hydraulic fittings, exported to international market
- In 1998 Built the new factory
- In 1999 Incorporated into a Sino-foreign joint venture named as Yuhuan Hiron Machinery Co., Ltd
- In 2001 Passed ISO9000:1998 Quality Management System Certification
- In 2004 Renamed as Zhejiang Hiron Machinery Co., Ltd
- In 2006 Passed ISO/TS 16949:2002 Quality Management System Certification
- In 2007 Invested to build the 3rd Factory Area of Hiron
- In 2008 Officially entered the domestic market
- In 2011 Invested to build Hiron Forging Factory
- In 2012 Passed ISO9000:2008 Quality Management System Certification
- In 2018 Passed ISO9000:2015 Quality Management System Certification

液压管接头，额定压力
 Hydraulic Tube Fitting,Pressure Ratings

本目录中描述的液压管接头符合SAE J514, SAE J518, SAE J1231, SAE J1453, SAE J1926, ISO 11926及相关标准指定的性能要求。
 The hydraulic tube fittings represented in this catalog conform to the performance requirements specified in SAE J514, SAE J518, SAE J1231, SAE J1453, SAE J1926, ISO 11926 and related standards.

表格P1.37° 管接头，内37° 旋转螺帽，O型圈孔口螺塞和直螺纹短管接头的额定压力
 Table P1.Pressure Ratings for 37° Flared Tube Ends, 37° Female Swivels, O-Ring Port Plugs and Straight Thread Stud Ends(Inch)

公称管尺寸		螺纹尺寸 (注释1&2)	额 定 工 作			
Nominal Tube Size		Thread Size (Notes 1&2)	Working Pressures			
SAE 公称管规格 Nom SAE Dash Size	英制管 外径 Nom Inch Tube O.D	SAE J514 37° 管接头和 SAE J1926/3/ISO 11926-3 O型圈孔螺纹规格 SAE J514 37° Flared Tube End and SAE J1926/3/ISO 11926-3 O-Ring Port Thread Size	外37° 管接头加长接头 37° Flared Tube Ends, Unions And Bulkheads	内37° 旋转螺帽 37° Female Swivels	依据SAE J1926/3/ISO 11926-3的SAE J514(英寸)孔口螺塞和短管接头 SAE J514(Inch) Port Plugs and Stud Ends Per SAE J1926/3/ISO 11926-3	
					孔口螺塞/非可调试接头 Port Plugs/Non-Adjustable Studs	可调试接头 Adjustable Studs
			Mpa	Mpa	Mpa	Mpa
-2	1/8	5/16-24 UNF	34.5	34.5	34.5	34.5
-3	3/16	3/8-24 UNF	34.5	34.5	34.5	34.5
-4	1/4	7/16-20 UNF	34.5	31	34.5	31.5
-5	5/16	1/2-20 UNF	34.5	27.5	34.5	27.5
-6	3/8	9/16-18 UNF	34.5	27.5	34.5	27.5
-8	1/2	3/4-16 UNF	31	27.5	31	27.5
-10	5/8	7/8-14 UNF	24	21	24	21
-12	3/4	1-1/16-12 UN	24	21	24	21
-14	7/8	1-3/16-12 UN	21	17	21	17
-16	1	1-5/16-12 UN	21	17	21	17
-20	1 1/4	1-5/8-12 UN	17	14	17	14
-24	1 1/2	1-7/8-12 UN	14	10.5	14	10.5
-32	2	2-1/2-12 UN	10.5	8	10.5	8

注释：
 1> 螺纹依据SAE J475 2A级外螺纹，2B级内螺纹。（参考ISO-263/ISO-R725）
 1> Threads per SAE J475 Class 2A external thread, Class 2B internal thread (Ref. ISO-263/ISO-R725)

 2> 标准2B级螺纹应用于旋转螺帽，锁紧螺帽小径依3B级进行修正。
 2> Unified Class 2B threads apply to swivel nuts, Class 3B threads apply to the correction of locknuts minor diameter.

T表格P2. 带NPTF管螺纹和接头的接头额定压力
 Table P2.Pressure Ratings for Fittings With NPTF Pipe Threads and Adapter Unions

公称管尺寸		螺纹尺寸		额定工作 压力 Working Pressures
Nominal Pipe Size		Threads Size		
SAE公称管规格	英制管 外径	干密封锥管螺纹 (NPTF)外螺纹 和内螺纹	直管螺纹 (NPSM) 旋转螺帽	
Nom SAE Dash Size	Nom Inch Tube O.D	Dry seal Pipe Thread (NPTF) Male and Female	Straight Pipe Thread (NPSM) Female Swivels	
				MPa
-2	1/8	1/8-27	1/8-27	34.5
-4	1/4	1/14-18	1/4-18	27.5
-6	3/8	3/8-18	3/8-18	21
-8	1/2	1/2-14	1/2-14	21
-12	3/4	3/4-14	3/4-14	17
-16	1	1-11-1/2	1-11-1/2	14
-20	1 1/4	1-1/4-11-1/2	1-1/4-11-1/2	8
-24	1 1/2	1-1/2-11-1/2	1-1/2-11-1/2	7
-32	2	2-11-1/2	2-11-1/2	7

表格P3. ORFS外螺纹管接头，内螺纹旋转螺帽直型螺纹管接头（英寸）
的额定压力

Table P3.Pressure Rating for ORFS Males Tube Ends,Female Swivels and Straight Thread Stud Ends(Inch)

公称管尺寸 Nominal Tube Size		螺纹尺寸 (注释1&2) Thread Size (Notes 1&2)		额定工作压力 Working Pressures		
SAE 公称 管规 格 Nom SAE Dash Size	英制 外径 Nom Inch Tube O.D	SAE J1453 ORFS 外螺纹和内 螺纹 SAE J1453 ORFS Tube End Male and Female Thread	SAE J1926/2/ ISO 11926-2 O型圈端端 纹尺寸 SAE J1926/2/ ISO 11926-2 O-Ring Port Thread Size	ORFS管接 头和带锁紧 螺帽接头 ORFSTube Ends, Unions And Bulkheads	依据SAE J1453,J1926/2/ISO 11926-2的重型接头 端口 Heavy Duty Stud Ends Per SAE J1453,J1926/2/ISO 11926-2	
					非可调试 接头 Non- Adjustable Studs	可调试接头 Adjustable Studs
				MPa	Mpa(3)	Mpa(3)
-4	1/4	9/16-18 UNF	7/16-20 UNF	41.3	63	40
-6	3/8	11/16-16 UNF	9/16-18 UNF	41.3	63	40
-8	1/2	13/16-16 UNF	3/4-16 UNF	41.3	63	40
-10	5/8	1-14 UNF	7/8-14 UNF	41.3	63	40
-12	3/4	1-3/16-12 UN	1-1/16-12 UN	41.3	40	40
-16	1	1-7/16-12 UN	1-5/16-12 UN	34.5	40	31.5
-20	1 1/4	1-11/16-12 UN	1-5/8-12 UN	27.5	25	25
-24	1 1/2	2-12 UN	1-7/8-12 UN	20.7	25	20

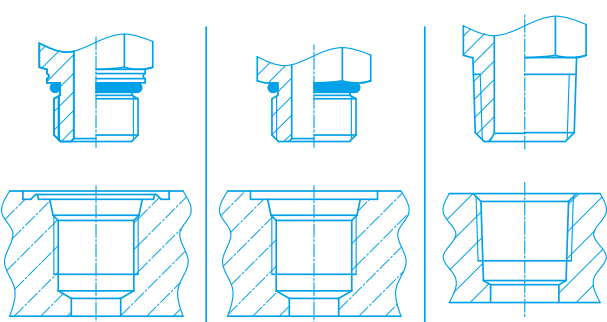
注释:
1> 螺纹依据SAE J475 2A级外螺纹, 2B级内螺纹 (参考.ISO-263/ISO-R725)
1> Threads per SAE J475 Class 2A external thread, Class 2B internal thread (Ref.ISO-263/ISO-R725)

2> 标准2B螺纹应用于旋转螺帽，锁紧螺帽小径依3B级进行修正
2> Unified Class 2B threads apply to swivel nuts, Class 3B threads apply to the correction of locknuts minor diameter.

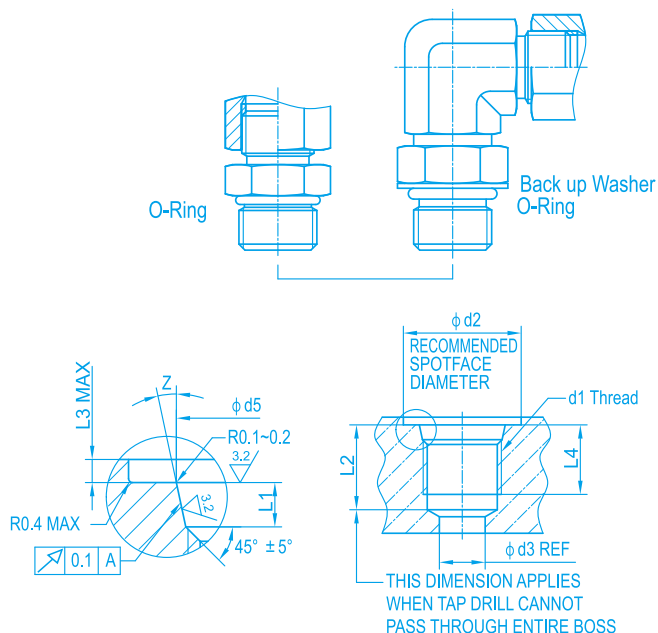
3> J1926/2/ISO 11926-2 短管端头的Mpa定额见已出版标准的合理评估值
3> Mpa ratings for J1926/2/ISO 11926-2 stud ends refer to rationalized values per published standards.

SAE J1926/1 Port Detail(ISO 11926)

螺纹，规格，用途
Thread,Conformance Specifications,and Use



端口描述 Port Description	BSPP 螺纹平面 孔口 British Standard Pipe Parallel (BSPP) Flat Face Port	公制直形 螺纹平面 孔口 Metric Straight Thread Flat Face Port	公制直螺 纹O型圈 孔口 Metric Straight Thread O-Ring Port	SAE直螺 纹O型圈 孔口 SAE Straight Thread O-Ring Port	NPTF-干 密封美标管 NPTF- Dry seal American Standard Pipe
螺纹类型 Thread Type	ISO 228-1 BS 2779 ISO 228-1 BS 2779	ISO 261 公制细牙 螺纹 ISO 261 Metric Fine	ISO 261 公制细牙 螺纹 ISO 261 Metric Fine	ISO 263 ANSI B1.1. Unified ISO 263 ANSI B1.1. Unified	ANSI B1.20.3 ANSI B1.20.3
ISO No.	1197	9974	6149	11926	
SAE No.			J2244	J1926	J476
DIN No.	3852-2 Form X or Y	3852-1 Form X or Y			



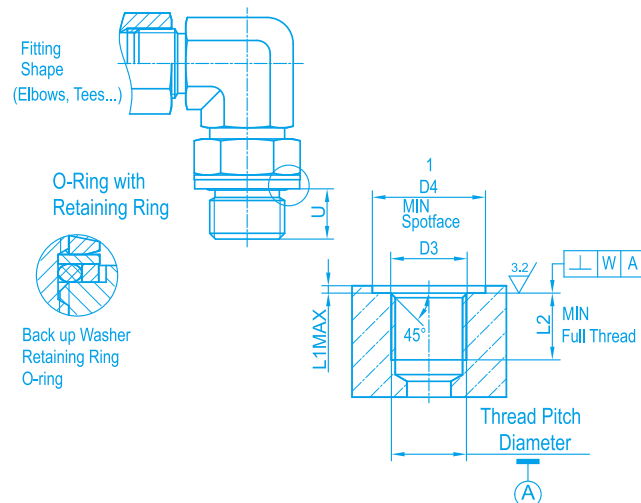
螺纹尺寸 ANSI B1.1 (ISO 263)	d2 dia. ³⁾	d3 dia.min.	D5 dia ± 0.05	L1 ± 0.02	L2 min.	L3 max.	L4 全螺纹	Z ± 1°	装配扭矩
Thread Size ANSI B1.1 (ISO 263)	d2 dia. ³⁾	d3 dia.min.	D5 dia ± 0.05	L1 ± 0.02	L2 min.	L3 max.	L4 Full Thread	Z ± 1°	Assembly Torque
In	mm	mm	mm	mm	mm	mm	mm	deg	Nm
5/16-24 UNF-2B	17	1.6	9.15	2.1	12	1.6	10	12°	
3/8-24 UNF-2B	19	3.5	10.75	2.1	12	1.6	10	12°	
7/16-20 UNF-2B	21	4.5	12.45	2.6	14	1.6	11.5	12°	21
1/2-20 UNF-2B	23	6	14.05	2.6	14	1.6	11.5	12°	37
9/16-18 UNF-2B	25	7.5	15.7	2.7	15.5	1.6	12.7	12°	47
3/4-16 UNF-2B	30	10	20.65	2.7	17.5	2.4	14.3	15°	81
7/8-14 UNF-2B	34	12.5	24	3.5	20	2.4	16.7	15°	141
1.1/16-12 UN-2B	41	16	29.2	3.5	23	2.4	19	15°	189
1.3/16-12 UN-2B	45	18	32.4	3.5	23	2.4	19	15°	
1.5/16-12 UN-2B	49	21	35.55	3.5	23	3.2	19	15°	284
1.5/8-12 UN-2B	58	27	43.55	3.5	23	3.2	19	15°	347
1.7/8-12 UN-2B	65	33	49.9	3.5	23	3.2	19	15°	425
2.1/2-12 UN-2B	88	45	65.75	3.5	23	3.2	19	15°	

BSPP 螺纹 BSPP Threads

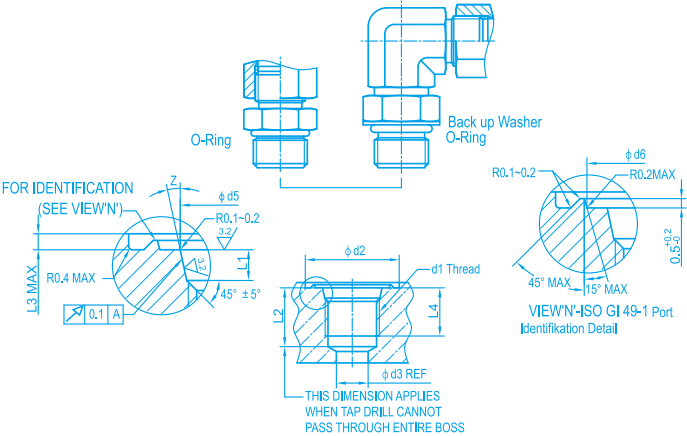
BSPP 螺纹有一个55度螺纹角，且广泛应用于液压应用领域。
BSPP threads have a 55° thread angle and are widely used in hydraulic applications.

孔口平面必须垂直于螺纹中径，并且没有纵向和螺旋形的刀痕。
The spot face surface must be square to the pitch diameter and free from longitudinal and spiral tool marks.

BSPP螺纹用于不通过螺纹来（实现）压力密封联接的接头，例如用于外围、周边密封。
BSPP-British Standard Pipe Parallel threads are used for fittings which are not pressurized through the thread, such as external seal or periphery seal.



螺纹尺寸 (ISO 228-1)	依据英制的螺纹	螺距	D3	D4 min		L1 max	L2 max	装配扭矩最小	装配扭矩最大
				Eolastic 类型 "E.D"	O型圈+挡圈类型				
Thread Size (ISO 228-1)	Thread per Inch	Pitch	D3	Eolastic Type "E.D"	O-Ring+Retaining Ring Type	L1 max	L2 max	Assembly Torque min.	Assembly Torque max.
		mm	mm			mm	mm	Nm	Nm
G1/8	28	0.91	9.9	15	17.2	1	8	20	25
G1/4	19	1.34	13.3	20	20.7	1.5	12	50	5
G3/8	19	1.34	16.8	23	24.5	2	12	80	90
G1/2	14	1.81	21.1	28	29.5	2.5	14	100	100
G3/4	14	1.81	26.6	33	36.9	2.5	16	200	220
G1	11	2.31	33.5	41	46.1	2.5	18	380	420
G1.1/4	11	2.31	42.2	51	54	2.5	20	500	550
G1.1/2	11	2.31	48.1	56	60.5	2.5	20	600	660



螺纹尺寸 (ISO 228-1) Thread Size (ISO 228-1)	d2		d5+ 0.10	d6+ 0.50	L1+ 0.40	L2 min	L3 max	L4min. 全螺纹 L4min.Full Thread	Z±1°	装配扭矩
	max	min								Nm
M8X1.0	17	14	9.1	14	1.6	11.5	1.5	10	12°	10
M10X1.0	20	16	11.1	16	1.6	11.5	1	10	12°	20
M12X1.5	23	19	13.8	19	2.4	14	1.5	11.5	15°	35
M14X1.5	25	21	15.8	21	2.4	14	1.5	11.5	15°	45
M16X1.5	28	24	17.8	24	2.4	15.5	1.5	13	15°	55
M18X1.5	30	26	19.8	26	2.4	17	2	14.5	15°	70
M22X1.5	34	29	23.8	29	2.4	18	2	15.5	15°	100
M27X2.0	40	34	29.4	34	3.1	22	2	19	15°	170
M30X2.0	43	38	32.4	38	3.1	22	2	19	15°	215
M33X2.0	49	43	35.4	43	3.1	22	2.5	19	15°	310
M42X2.0	60	52	44.4	52	3.1	22.5	2.5	19.5	15°	330
M48X2.0	66	57	50.4	57	3.1	25	2.5	22	15°	420
M60X2.0	76	67	62.4	67	3.1	27.5	2.5	24.5	15°	500

一、37° 密封面接头的装配扭矩

1. Assembly Torque Instructions for 37° Face Seal Fittings and Adapters

表格A1. 装配扭矩, 37° 管接头

Table A1. Assembly Torque, 37° Tube Fitting

管尺寸 Tube Size	螺纹尺寸 Thread Size	37° 管/旋转螺帽 37° Tube/Swivel Nut
		Nm
-2	5/16-24	8-9
-3	3/8-24	11-12
-4	7/16-20	15-16
-5	1/2-20	19-21
-6	9/16-18	24-28
-8	3/4-16	49-53
-10	7/8-14	77-85
-12	1 1/16-12	107-119
-14	1 3/16-12	127-140
-16	1 5/16-12	147-154
-20	1 7/8-12	172-181
-24	2 1/8-12	215-226
-32	2 1/2-12	332-350

二、O型圈端接头装配扭矩
2. Assembly Torque Instructions for Adjustable O-Ring Port Fittings

直管O型圈端及可调整式O型圈端装配扭矩

表格A2. 装配扭矩，SAE J1926-3 轻型螺栓端口（参考,SAEJ514管接头和端口塞子）
Table A2. Assembly Torque, SAE 1926-3 Light Stud Ends (Ref. SAE J514 Tube Fittings and Port Plugs)

管尺寸 Tube Size	螺纹尺寸 Thread Size	装配扭矩 Assembly Torque
		Nm
-2	5/16-24	8-9
-3	3/8-24	11-12
-4	7/16-20	18-20
-5	1/2-20	23-26
-6	9/16-18	29-33
-8	3/4-16	49-53
-10	7/8-14	59-64
-12	1-1/16-12	93-102
-14	1-3/16-12	122-134
-16	1-5/16-12	151-166
-20	1-5/8-12	198-218
-24	1-7/8-12	209-231
-32	2-1/2-12	296-325

表格A3. 装配扭矩，SAE J1926-2 重型螺栓端口（参考,SAEJ1453面密封接头）
Table A3. Assembly Torque, SAE J1926-2 Heavy Duty Stud Ends (Ref.SAE J1453 ORFS Fittings)

管尺寸 Tube Size	螺纹尺寸 Thread Size	装配扭矩 Assembly Torque
		Nm
-3	3/8-24	11-13
-4	7/16-20	20-22
-5	1/2-20	24-27
-6	9/16-18	33-35
-8	3/4-16	68-78
-10	7/8-14	98-110
-12	1-1/16-12	170-183
-14	1-3/16-12	230-260
-16	1-5/16-12	270-300
-20	1-5/8-12	285-380
-24	1-7/8-12	370-490

三、NPTF螺纹的装配扭矩
3. Assembly Torque Instructions for NPTF Pipe Threads

表格A4. 装配扭矩，接头和管接头。
Table A4. Assembly Torque, Adapter Unions and Pipe Fittings.

	螺纹尺寸 Thread Size		
	Ft. Lbs Max..	Nm. Max.	Ft. Lbs Max
1/8	1/8-27	18	12
1/4	1/4-18	27	25
3/8	3/8-18	34	40
1/2	1/2-14	64	54
3/4	3/4-14	114	78
1	1-11 1/2	175	112
1-1/4	1 1/4-11 1/2	206	154
1-1/2	1-1/2-11 1/2	206	211
2	2-11 1/2	407	300

四、O型圈面密封接头装配扭矩
4. Assembly Torque Instructions for O-Ring Face Seal Fittings and Adapters

表格A6. 装配扭矩，O型圈面密封接头
Table A6. Assembly Torque, O-Ring Face Seal Fitting

管尺寸 Tube Size	螺纹尺寸 Thread Size	装配扭矩 Assembly Torque
		Nm
-4	9/16-18	14-16
-6	11/16-16	24-27
-8	13/16-16	43-47
-10	1-14	60-68
-12	1-3/16-12	90-95
-16	1-7/16-12	125-135
-20	1-11/16-12	170-190
-24	2-12	200-225

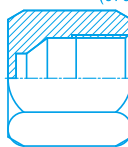
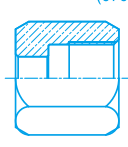
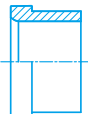
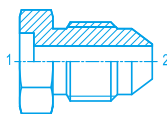
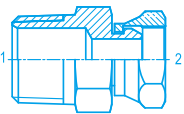
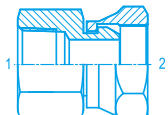
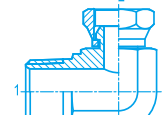
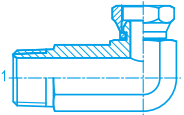
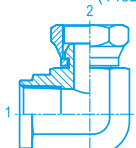
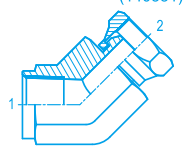
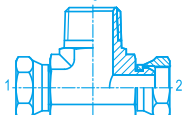
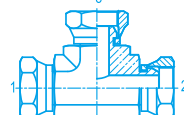
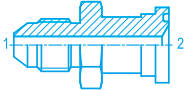
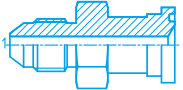
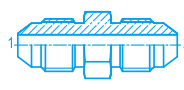
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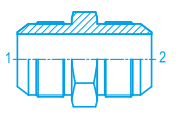
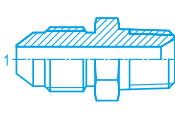
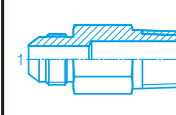
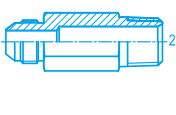
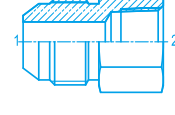
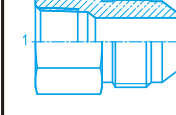
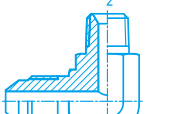
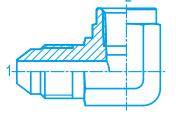
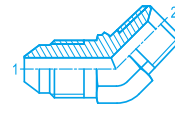
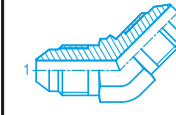
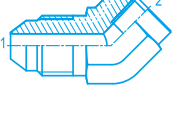
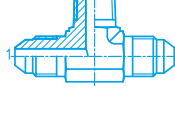
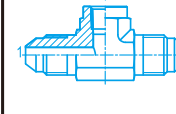
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SAE FITTINGS

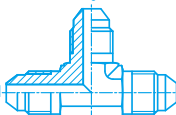
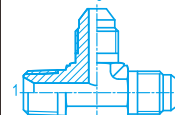
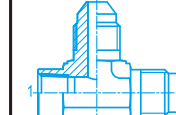
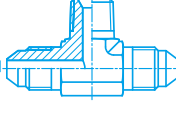
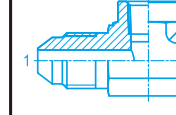
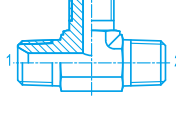
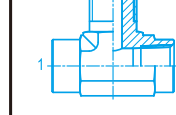
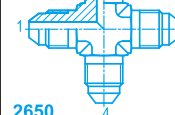
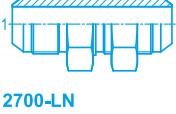
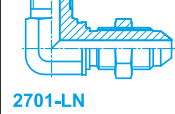
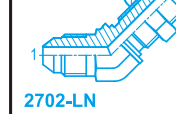
SAE

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 0319 TUBE SLEEVE	 0403 (1)BORE (2)37° MALE TUBE	 1404 (1)MALE PIPE (2)FEMALE PIPE SWIVEL
 1405 (1)FEMALE PIPE (2)FEMALE PIPE SWIVEL	 1501 (1)MALE PIPE (2)FEMALE PIPE SWIVEL	 1501-LL (1)MALE PIPE (2)FEMALE PIPE SWIVEL
 1502 (1)FEMALE PIPE (2)FEMALE PIPE SWIVEL	 1503 (1)MALE PIPE (2)FEMALE PIPE SWIVEL	 1504 (1)FEMALE PIPE (2)FEMALE PIPE SWIVEL
 1601 (1)(2)FEMALE PIPE SWIVEL (3)MALE PIPE	 1602 (1)(2)FEMALE PIPE SWIVEL (3)FEMALE PIPE	 1603 (1)(2)(3)FEMALE PIPE SWIVEL
 1700-61 (1)37° MALE TUBE (2)O-RING FLANGE	 1700-62 (1)37° MALE TUBE (2)O-RING FLANGE	 2403 (1)(2)37° MALE TUBE

SAE FITTINGS

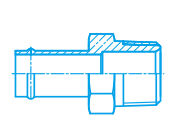
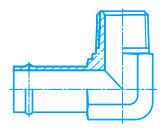
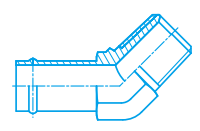
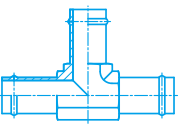
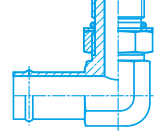
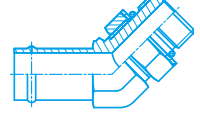
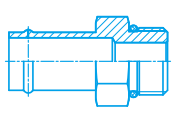
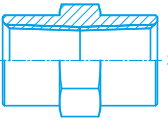
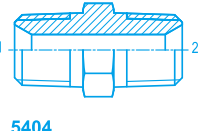
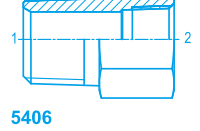
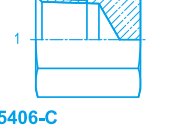
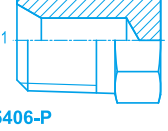
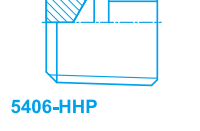
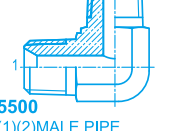
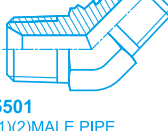
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(070109)  2404-LL (1) 37° MALE TUBE (2) MALE PIPE-X-LONG	(070201)  2405 (1) 37° MALE TUBE (2) FEMALE PIPE	(070202)  2406 (1) 37° FEMALE (2) 37° MALE TUBE
(071502)  2501-L (1) 37° MALE TUBE (2) TUBE PLUG	(071602)  2501-LL (1) 37° MALE TUBE (2) TUBE PLUG	(070202)  2501-LLL (1) 37° MALE TUBE (2) TUBE PLUG
(070203)  2502 (1) 37° MALE TUBE (2) FEMALE PIPE	(070302)  2503 (1) 37° MALE TUBE (2) MALE PIPE	(070427)  2504 (1) 37° MALE TUBE (2) 37° MALE TUBE
(070425)  2505 (1) 37° MALE TUBE (2) FEMALE PIPE	(070425)  2601 (1) 37° MALE TUBE (2) 37° MALE TUBE (3) MALE PIPE	(070427)  2602 (1) 37° MALE TUBE (2) 37° MALE TUBE (3) FEMALE PIPE

SAE FITTINGS

(070401)  2603 (1) 37° MALE TUBE (2) 37° MALE TUBE (3) 37° MALE TUBE	(070424)  2605 (1) MALE PIPE (2) 37° MALE TUBE (3) 37° MALE TUBE	(070424)  2606 (1) FEMALE PIPE (2) 37° MALE TUBE (3) 37° MALE TUBE
(070401)  2607 (1) 37° MALE TUBE (2) 37° MALE TUBE (3) MALE PIPE	(070424)  2608 (1) 37° MALE TUBE (2) FEMALE PIPE (3) MALE PIPE	(070424)  2609 (1) 37° MALE TUBE (2) 37° MALE TUBE (3) FEMALE PIPE
(070401)  2610 (1) 37° MALE TUBE (2) MALE PIPE (3) 37° MALE TUBE	(070424)  2611 (1) 37° MALE TUBE (2) MALE PIPE (3) FEMALE PIPE	(070424)  2612 (1) 37° MALE TUBE (2) 37° MALE TUBE (3) FEMALE PIPE
(070601)  2613 (1) FEMALE PIPE (2) MALE PIPE (3) 37° MALE TUBE	(070701)  2650 (1) 37° MALE TUBE (2) 37° MALE TUBE (3) 37° MALE TUBE (4) 37° MALE TUBE	(070801)  2651 (1) 37° MALE TUBE (2) 37° MALE TUBE (3) 37° MALE TUBE (4) 37° MALE TUBE
(070601)  2700-LN (1) 37° MALE TUBE (2) BULKHEAD	(070701)  2701-LN (1) 37° MALE TUBE (2) BULKHEAD	(070801)  2702-LN (1) 37° MALE TUBE (2) BULKHEAD
(070958)  2703-LN (1) 37° MALE TUBE (2) 37° MALE TUBE (3) BULKHEAD	(070958)  2704-LN (1) BULKHEAD (2) 37° MALE TUBE (3) 37° MALE TUBE	(070958)  2705-LN (1) BULKHEAD (2) FEMALE PIPE

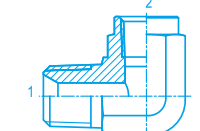
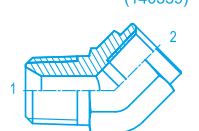
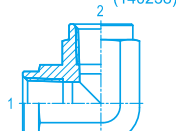
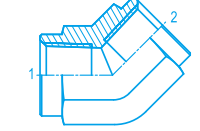
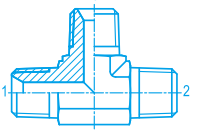
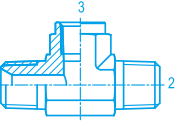
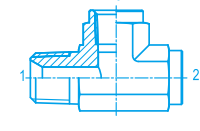
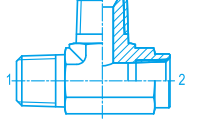
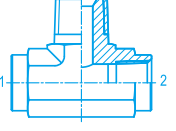
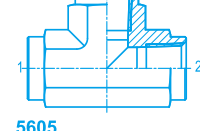
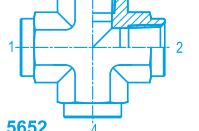
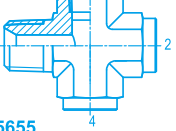
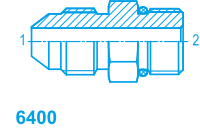
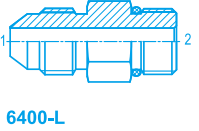
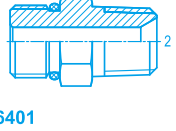
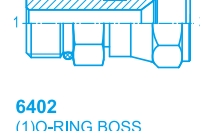
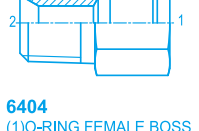
SAE FITTINGS

SAE

 2706-LN (1)BULKHEAD (2)MALE PIPE	 4404	 4501
 4503	 4504	 4601
 4603	 4604	 5000 (1)(2)FEMALE PIPE
 5404 (1)(2)MALE PIPE	 5404-N (1)(2)MALE PIPE	 5405 (1)MALE PIPE (2)FEMALE PIPE
 5406 (1)MALE PIPE (2)FEMALE PIPE	 5406-C (1)FEMALE PIPE	 5406-P (1)FEMALE PIUG
 5406-HHP	 5500 (1)(2)MALE PIPE	 5501 (1)(2)MALE PIPE

SAE FITTINGS

SAE

 5502 (1)MALE PIPE (2)FEMALE PIPE	 5503 (1)MALE PIPE (2)FEMALE PIPE	 5504 (1)(2)FEMALE PIPE
 5505 (1)(2)FEMALE PIPE	 5600 (1)(2)(3)MALE PIPE	 5601 (1)(2)MALE PIPE (3)FEMALE PIPE
 5602 (1)MALE PIPE (2)(3)FEMALE PIPE	 5603 (1)(3)MALE PIPE (2)FEMALE PIPE	 5604 (1)(2)FEMALE PIPE (3)MALE PIPE
 5605 (1)(2)(3)FEMALE PIPE	 5652 (1)-(4)FEMALE PIPE	 5655 (1)MALE PIPE (2)(3)(4)FEMALE PIPE
 6400 (1)37° MALE TUBE (2)O-RING BOSS	 6400-L (1)37° MALE TUBE (2)O-RING BOSS	 6401 (1)O-RING BOSS (2)MALE PIPE
 6402 (1)O-RING BOSS (2)37° FEMALE SWIVEL	 6404 (1)O-RING FEMALE BOSS (2)MALE PIPE	 6405 (1)O-RING BOSS (2)FEMALE PIPE

SAE FITTINGS

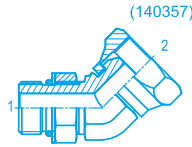
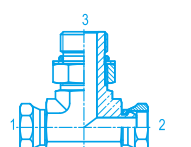
6408 HEXAGN HEAD O-RING BOSS PLUG	6408-HHP HEXAGONSOCKET O-RONG BOSS PLUG	6410 (1)O-RING BOSS (2)O-RING FEMALE BOSS
6464 (1)O-RING BOSS (2)ADJUSTABLE O-RING	6500 (1)37° MALE TUBE (2)37° FEMALE SWIVEL	6501 (1)37° FEMALE SWIVEL (2)MALE PIPE
6502 (1)37° MALE TUBE (2)37° FEMALE SWIVEL	6503 (1)FEMALE PIPE (2)37° FEMALE SWIVEL	6504 (1)37° MALE TUBE (2)37° FEMALE SWIVEL
6505 (1)MALE PIPE (2)37° FEMALE SWIVEL	6506 (1)37° FEMALE SWIVEL (2)FEMALE PIPE	6565 (1)(2)37° FEMALE SWIVEL
6566 (1)(2)37° FEMALE SWIVEL	6600 (1)(2)37° MALE TUBE (3)37° FEMALE SWIVEL	6602 (1)(3)37° MALE TUBE (2)37° FEMALE SWIVEL
6603 (1)(2)37° FEMALE SWIVEL (3)37° MALE TUBE	6606 (1)(2)(3)37° FEMALE SWIVEL	6801 (1)37° MALE TUBE (2)ADJUSTABLE O-RING

SAE FITTINGS

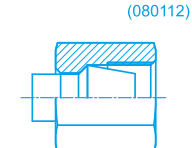
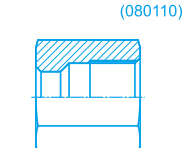
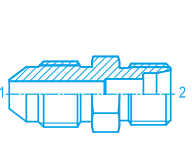
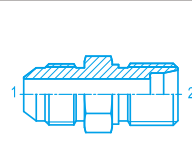
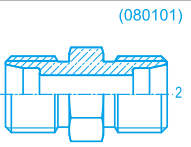
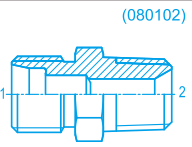
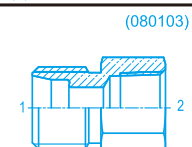
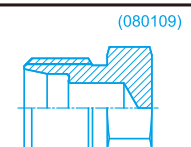
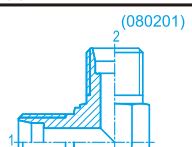
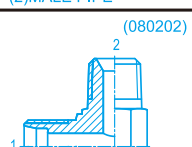
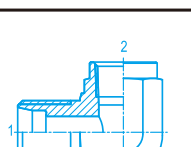
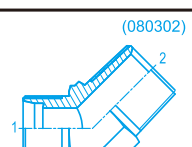
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6802 (1)37° MALE TUBE (2)ADJUSTABLE O-RING	6803 (1)(2)37° MALE TUBE (3)ADJUSTABLE O-RING	6804 (1)(3)37° MALE TUBE (2)ADJUSTABLE O-RING
6805 (1)ADJUSTABLE O-RING (2)FEMALE PIPE	6805-L (1)ADJUSTABLE O-RING-X (2)FEMALE PIPE	6806 (1)ADJUSTABLE O-RING (2)MALE PIPE
6807 (1)~(2)ADJUSTABLE O-RING	6809 (1)ADJUSTABLE O-RING (2)37° FEMALE SWIVEL	6810 (1)ADJUSTABLE O-RING (2)37° FEMALE SWIVEL
6815 (1)ADJUSTABLE O-RING (2)O-RING FEMALE BOSS	6868 (1)(2)(3)O-RING FEMALE BOSS	6870 (1)(2)O-RING FEMALE BOSS (3)ADJUSTABLE O-RING
6871 (1)O-RING FEMALE BOSS (2)(3)ADJUSTABLE O-RING	6900 (1)O-RING BOSS (2)FEMALE PIPE SWIVEL	6901 (1)ADJUSTABLE O-RING (2)FEMALE PIPE SWIVEL

FLARELESS FITTINGS

SAE

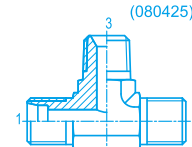
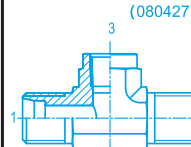
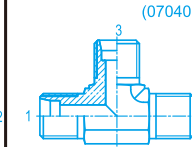
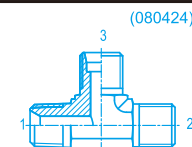
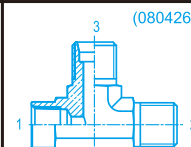
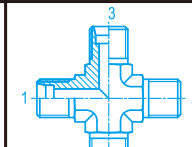
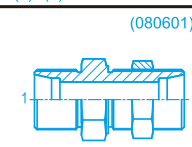
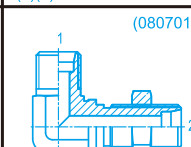
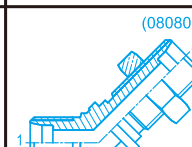
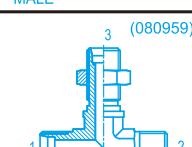
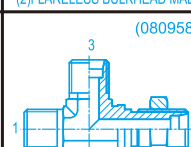
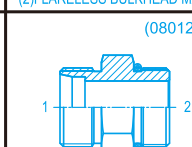
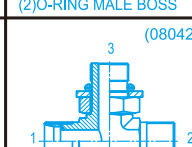
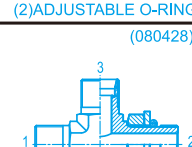
 6902 (1)ADJUSTABLE O-RING (2)FEMALE PIPE SWIVEL	 6911 (1)ADJUSTABLE O-RING (2)(3)FEMALE PIPE SWIVEL	
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SAE FLARELESS FITTINGS

 C0304-C CAP NUT	 C0318	 C2000 (1)FLARELESS MALE (2)37° MALE TUBE
 C2000-BH (1)FLARELESS MALE (2)37° MALE TUBE	 C2403 (1)&(2)FLARELESS MALE	 C2404 (1)FLARELESS MALE (2)MALE PIPE
 C2405 (1)FLARELESS MALE (2)MALE PIPE	 C2408 FLARELESS PLUG	 C2500 (1)&(2)FLARELESS MALE
 C2501 (1)FLARELESS MALE (2)MALE PIPE	 C2502 (1)FLARELESS MALE (2)MALE PIPE	 C2503 (1)FLARELESS MALE (2)MALE PIPE

FLARELESS FITTINGS

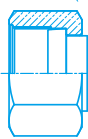
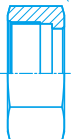
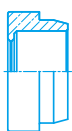
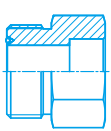
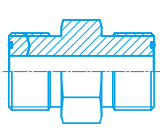
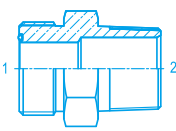
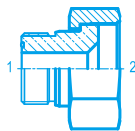
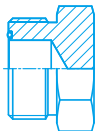
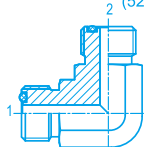
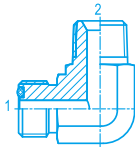
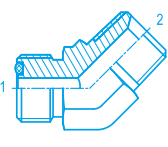
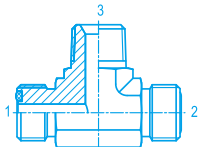
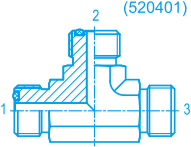
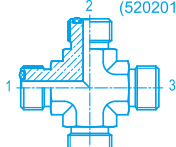
SAE

 C2601 (1)&(2)FLARELESS MALE (3)MALE PIPE	 C2602 (1)&(2)FLARELESS MALE (3)MALE PIPE	 C2603 (1)(2)(3)FLARELESS MALE
 C2605 (1)MALE PIPE (2)&(3)FLARELESS MALE	 C2606 (1)MALE PIPE (2)(3)FLARELESS MALE	 C2650 (1)(2)(3)(4)FLARELESS MALE
 C2700-LN (1)FLARELESS MALE (2)FLARELESS BULKHEAD MALE	 C2701-LN (1)FLARELESS MALE (2)FLARELESS BULKHEAD MALE	 C2702-LN (1)FLARELESS MALE (2)FLARELESS BULKHEAD MALE
 C2703-LN (1)(2)FLARELESS MALE (3)FLARELESS BULKHEAD MALE	 C2704-LN (2)FLARELESS BULKHEAD MALE	 C6400 (1)FLARELESS MALE (2)O-RING MALE BOSS
 C6801 (1)FLARELESS MALE (2)ADJUSTABLE O-RING	 C6802 (1)FLARELESS MALE (2)ADJUSTABLE O-RING	 C6803 (1)&(2)FLARELESS MALE (3)ADJUSTABLE O-RING
 C6804 (1)&(3)FLARELESS MALE (2)ADJUSTABLE O-RING		

O-RING FACE SEAL

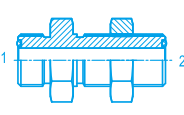
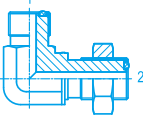
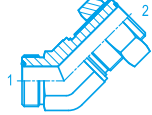
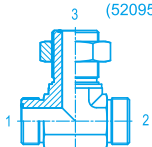
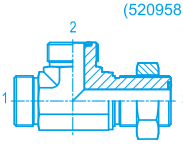
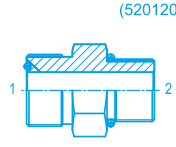
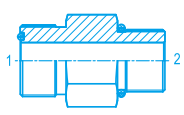
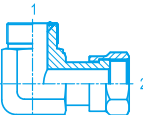
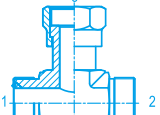
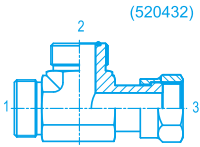
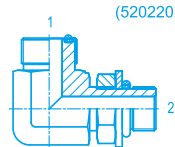
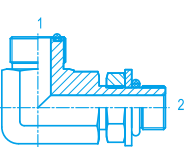
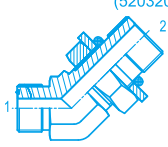
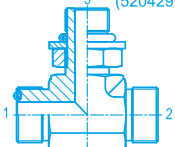
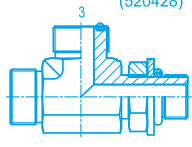
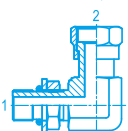
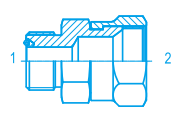
FS

FS O-RING FACE SEAL

 FS0304 CAP NUT	 FS0306	 FS0318 TUBE NUT
 FS0319 TUBE SLEEVE	 FS0403 (1) MALE ORFS (2) BORE	 FS2403 (1)&(2) MALE ORFS
 FS2404 (1) MALE ORFS (2) MALE PIPE	 FS2406 (1) FEMALE ORFS (2) MALE ORFS	 FS2408 MALE ORFS PLUG
 FS2500 (1)&(2) MALE ORFS	 FS2501 (1) MALE ORFS (2) MALE PIPE	 FS2503 (1) MALE ORFS (2) MALE PIPE
 FS2601 (1)&(2) MALE ORFS (3) MALE PIPE	 FS2603 (1), (2)&(3) MALE ORFS	 FS2650 (1)~(4) MALE ORFS

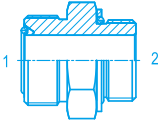
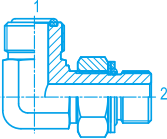
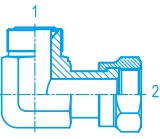
O-RING FACE SEAL

FS

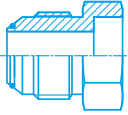
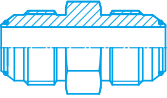
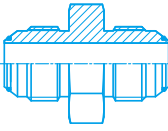
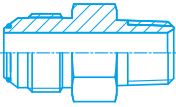
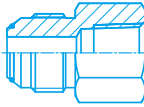
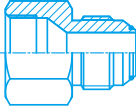
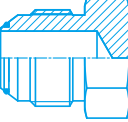
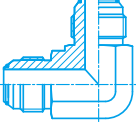
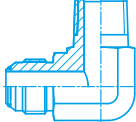
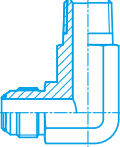
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 FS2703-LN (1)&(2) MALE ORFS (3) BULKHEAD ORFSE	 FS2704-LN (1)&(3) MALE ORFS (2) BULKHEAD ORFSE	 FS6400 (1) MALE ORFS (2) MALE O-RING
 FS6400-L (1) MALE ORFS (2) MALE O-RING	 FS6500 (1) MALE ORFS (2) ORFS FEMALE SWIVEL	 FS6600 (1)&(2) MALE ORFS (3) ORFS FEMALE SWIVEL
 FS6602 (1)&(3) MALE ORFS (2) ORFS FEMALE SWIVEL	 FS6801 (1) MALE ORFS (2) ADJUSTABLE O-RING	 FS6801-L (1) MALE ORFS (2) ADJUSTABLE O-RING
 FS6802 (1) MALE ORFS (2) ADJUSTABLE O-RING	 FS6803 (1)&(2) MALE ORFS (3) ADJUSTABLE O-RING	 FS6804 (1)&(3) MALE ORF (2) ADJUSTABLE O-RING
 FS6809 (1) ADJUSTABLE O-R (2) ORFS FEMALE SWIVEL	 FS-MJIC2403 (1) 37° MALE TUBE (2) MALE ORFS	 FS-MJIC6504 (1) ORFS FEMALE SWIVEL (2) 37° FEMALE SWIVEL

FITTINGS

FOO

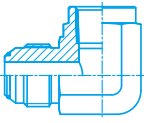
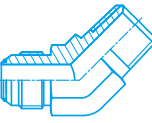
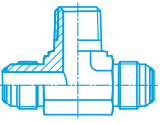
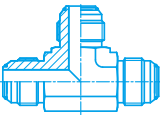
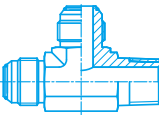
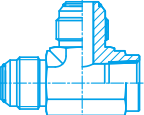
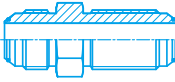
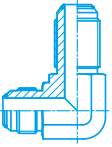
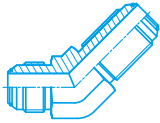
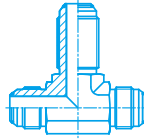
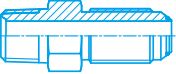
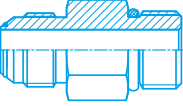
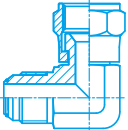
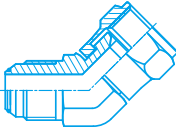
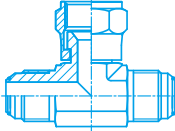
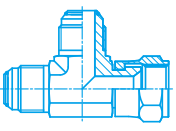
 H1FH (1)MALE ORFS (2)MALE TUBE ED	 H1FH9-OG (1)MALE ORFS (2)BULKHEAD ORFSE	 H2NF (1)MALE ORFS (2)ORFS FEMALE SWIVEL
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FOO FITTINGS

 FS0403 Bore-fo Straight	 F2403 FO-FO Straight	 F2403-LH FO-FO Straight Large Hex
 F2404 FO-MP Straight	 F2405 FO-FP Straight	 F2406 FJ-FO Straight Reducer
 F2408 FO Plug	 F2500 FO-FO 90°	 F2501 FO-MP 90°
 F2501-L (1)37° MALE TUBE O-RING	 F2501-LL FO-MP 90° X-Long	 F2501-LLL FO-MP 90° XX-Long

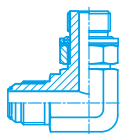
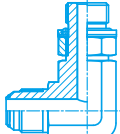
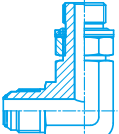
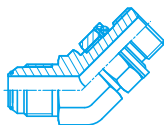
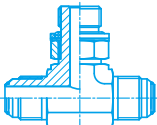
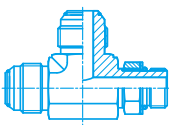
FITTINGS

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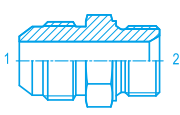
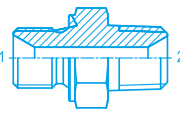
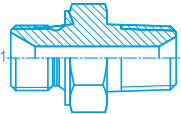
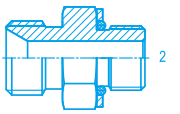
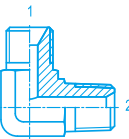
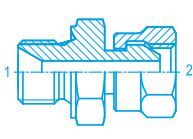
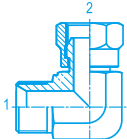
 F2502 FO-MP 90° Long	 F2503 FO-MP 90°	 F2602 FO-FO-FP Tee
 F2603 FO-FO-FO Tee	 F2605 FO-MP-FO Tee	 F2606 FO-FP-FO Tee
 F2650 FO-FO-FO-FO Cross	 F2700 FO-FO Bulkhead Straight	 F2701 FO-FO Bulkhead 90°
 F2702 FO-FO Bulkhead 45°	 F2703 FO-FO-FO Bulkhead Branch Tee	 F2706 MP-FO Bulkhead Straight
 F6400-O FO-MORB Straight	 F6400-L-O FO-MORB Straight Long	 F6500 FO-FJS 90°
 F6502 FO-FJS 45°	 F6600 FO-FO-FJS Tee	 F6602 FO-FJS-FO Tee

FITTINGS

ISO / DIN

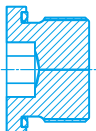
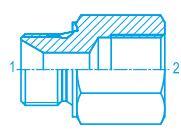
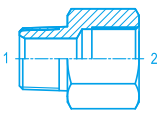
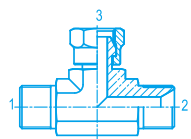
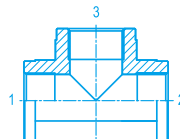
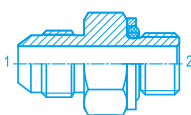
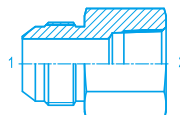
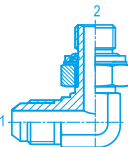
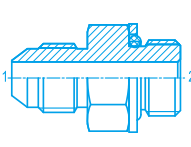
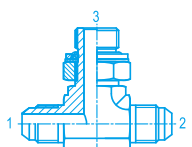
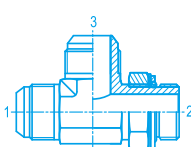
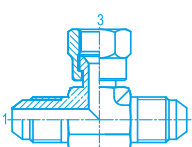
		
F6801-NWO FO-MPORB 90°	F6801-L-NWO FO-MPORB 90° Long	F6801-LL-NWO FO-MPORB 90° X-Long
		
F6802-NWO FO-MAORB 45°	F6803-NWO FO-MP-FO Tee	F6804-NWO FO-MAORB-FO Run Tee

ISO / DIN FITTINGS

		
H1B (1)(2)MALE PIPE	H1BG4-OG (1)FLARELESS MALE (2)ADJUSTABLE O-RING	H1BJ (1)37° MALE TUBE (2)MALE PIPE
		
H1BN (1)MALE PIPE	H1BT-SP (1)(2)MALE PIPE	H1BO (1)MALE TUBE (2)MALE TUBE O-RING
		
H1BT9-SP (1)(2)MALE PIPE	H2B (1)MALE PIPE (2)FEMALE PIPE SWIVEL	H2B9 (1)MALE PIPE (2)ORFS FEMALE SWIVEL

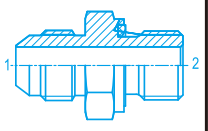
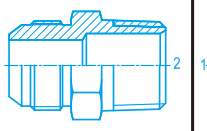
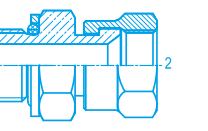
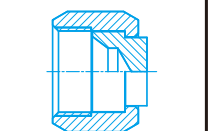
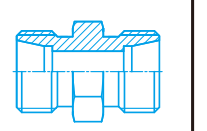
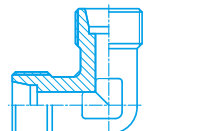
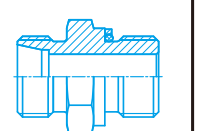
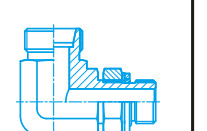
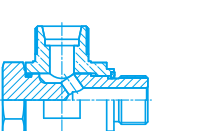
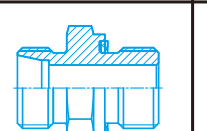
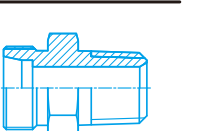
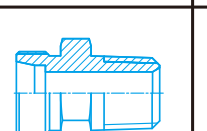
FITTINGS

ISO / DIN

		
H2BJ (1)MALE PIPE (2)37° FEMALE SWIVEL	H3B (1)(2)ORFS FEMALE SWIVEL	H4B MALE PIPE
		
H4BN-WD	H5B (1)MALE TUBE (2)FEMALE PIPE	6B-LN (1)MALE TUBE-LONG (2)MALE TUBE
		
H5NB (1)MALE TUBE (2)FEMALE PIPE	HBB (1)(2)MALE TUBE (3)FEMALE PIPE SWIVEL	HGB-PK (1)(2)(3)FEMALE PIPE
		
H1JB-WD (1)37° MALE TUBE (2)MALE TUBE ED	H1JG (1)37° MALE TUBE (2)MALE TUBE O-RING	H5JT (1)37° MALE TUBE (2)FEMALE PIPE
		
H1JG9-OG (1)37° MALE TUBE (2)ADJUSTABLE O-RING	H1JH (1)37° MALE TUBE (2)MALE TUBE O-RING	H1JH9-OG (1)37° MALE TUBE (2)ADJUSTABLE O-RING
		
HAJGJ-OG (1)(2)37° MALE TUBE (3)ADJUSTABLE O-RING	HAJJG-OG (1)(3)37° MALE TUBE (2)ADJUSTABLE O-RING	HBJ (1)(2)37° MALE TUBE (3)37° FEMALE SWIVEL

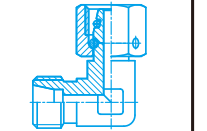
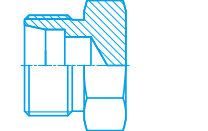
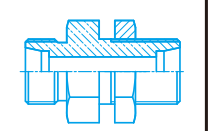
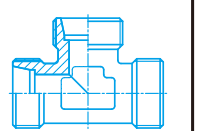
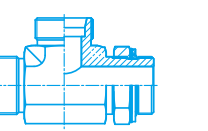
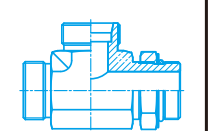
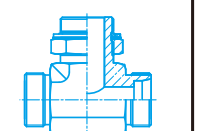
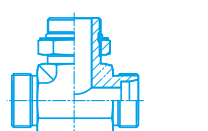
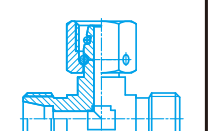
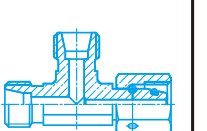
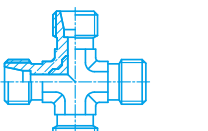
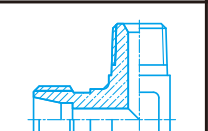
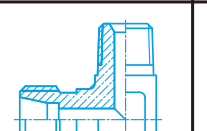
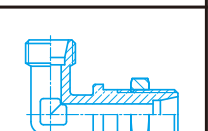
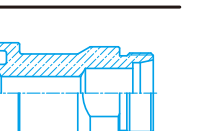
FITTINGS

ISO / DIN

		
H1JM-WD (1)37° MALE TUBE (2)MALE TUBE ED	H1JN (1)37° MALE TUBE (2)MALE PIPE	H2GJ (1)MALE TUBE O-RING (2)FEMALE PIPE SWIVEL
		
H9J	H1C/H1D	H1C9/H1D9
		
H1CB-WD H1DB-WD	H1CG/H1DG	H1CG9-OG H1DG9-OG
		
H1CH/H1DH	H1CH9-OG H1DH9-OG	H1CI/H1DI
		
H1CJ/H1DJ	H1CM-WD H1DM-WD	H1CN/H1DN
		
H1CO/H1DO	H1CT-SP H1DT-SP	H1CW H1DW

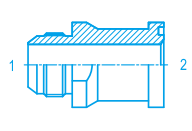
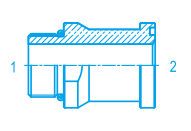
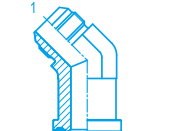
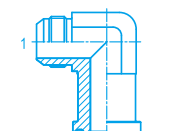
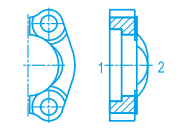
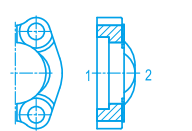
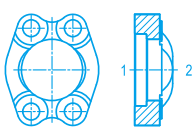
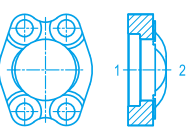
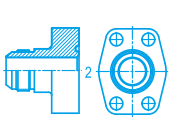
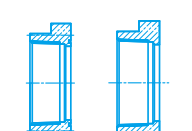
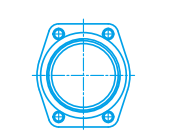
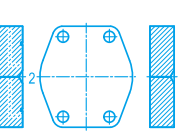
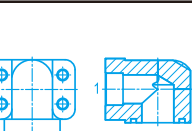
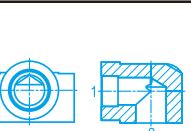
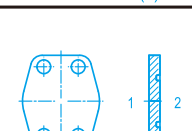
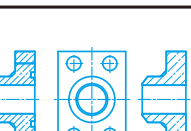
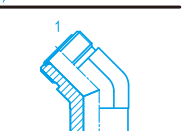
FITTINGS

ISO / DIN

		
H2C/H2D	H2C9/H2D9	H4C/H4D
		
H6C/H6D	HAC/HAD	HACCG-OG HADDG-OG
		
HADDO-OG	HACHC-OG HADHD-DG	HACOC-OG HADOD-OG
		
HBC/HBD	HCC/HCD	HXC/HXD
		
H1CN9 H1CD9	H1CT9 H1CD9	H5CM/H5DM
		
H6C9/H6D9	H1CL/H1DL	H1DFS

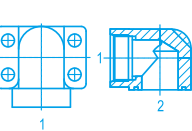
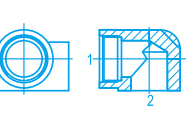
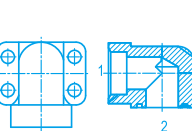
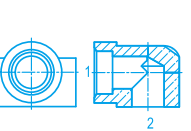
SAE FLANGE

法兰

 1700 (1)MJ-Flange (2)Straight Code 61	 1710 (1)MORB-Flange Straight (2)Code 61	 1703FG (1)MJ-Flange 45° (2)Code 61
 1704FG (1)MJ-Flange 90° (2)Code 61	 1951/1952-61 (1)Split Flange (2)Code 61	 1951/1952-62 (1)Split Flange (2)Code 61
 1903/1904-61 (1)Captive Flange (2)Code 61	 1903/1904-62 (1)Captive Flange (2)Code 61	 F300000/F600000 (1)MJ-Flange (2)Code 61
 W46 W106	 W48 W49	 1914-61 (1)Connector Plate (2)Code 61
 1965-61 (1)SAE Port Block Elbow (2)Code61	 FS1700 (1)MFS-Flange Straight (2)Code 61	
 1979-61/62 (1)Flang Shipping Plate (2)Φ-PSI Code61	 W27 W25	 FS1703FG (1)MFS-Flange 45° (2)Code 61

SAE FLANGE

法兰

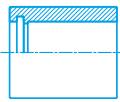
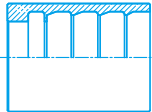
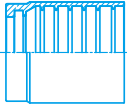
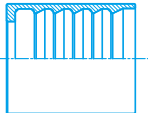
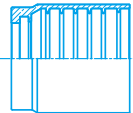
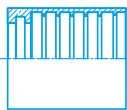
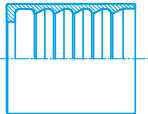
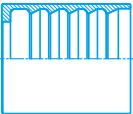
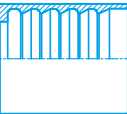
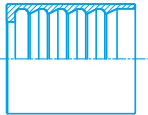
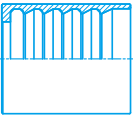
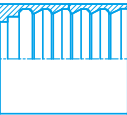
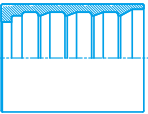
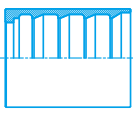
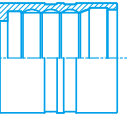
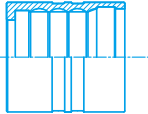
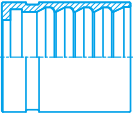
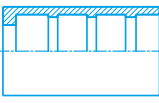
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 1965-62 (1)SAE Port Block Elbow (2)Code62	 F300002/F600002 (1)MFS-Flange (2)Code 61

SAE FLANGE

SAE FLANGE

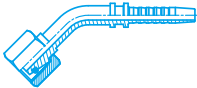
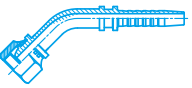
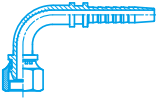
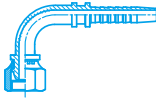
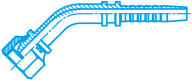
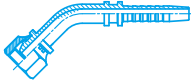
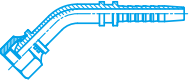
HOSE PIPE FITTINGS

软管

		
OOTFO	XTC	00110
		
00210	03310	03300
		
00100	00200	01100
		
01200	01300	01400
		
00400	00401	00405
		
00605	00601	00018

HOSE PIPE FITTINGS

软管

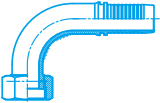
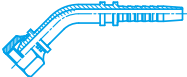
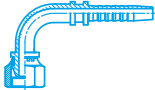
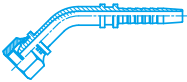
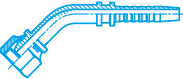
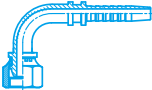
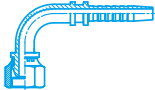
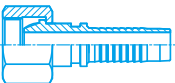
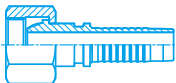
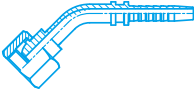
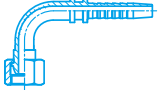
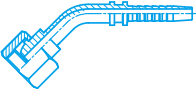
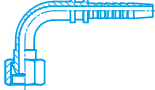
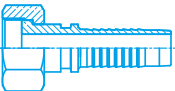
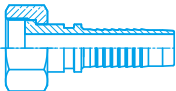
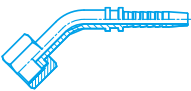
		
10211	10311	10312
		
10711	10712	10911
		
10911L	11711	20111
		
20141	20112	20142
		
20191	20192	20211
		
20231	20232	20241

HOSE PIPE FITTINGS

HOSE PIPE FITTINGS

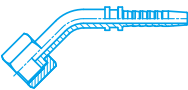
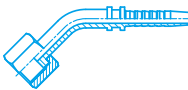
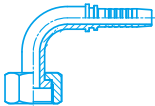
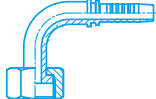
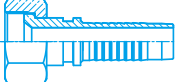
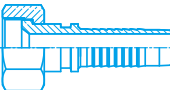
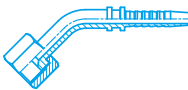
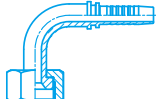
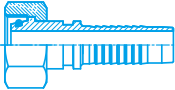
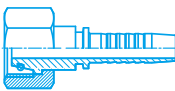
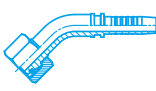
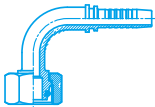
HOSE PIPE FITTINGS

软管

		
20291	20242	20292
		
20711	20741	20712
		
20742	20791	20792
		
30112	30111	30141
		
30191	30142	30192
		
30211	30212	30231

HOSE PIPE FITTINGS

软管

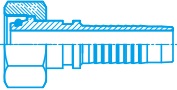
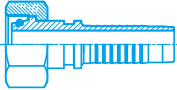
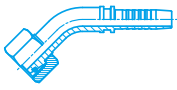
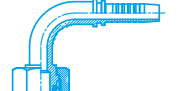
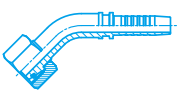
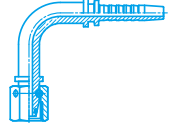
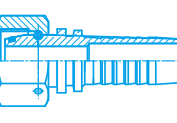
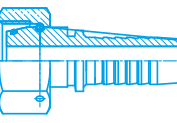
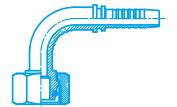
		
30232	30241	30291
		
30242	30292	30711
		
30712	30741	30791
		
30742	30792	10512
		
10511	10512-SG	30511C
		
20511	20541	20591

HOSE PIPE FITTINGS

HOSE PIPE FITTINGS

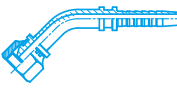
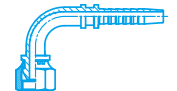
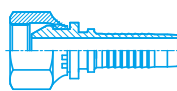
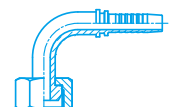
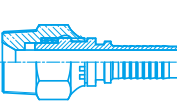
HOSE PIPE FITTINGS

软管

		
30511	30512	30541
		
30591	30542	30592
		
10411	10412	20441
		
20491	20411	30411
		
30441	30491	30442
		
30492	10611	10612

HOSE PIPE FITTINGS

软管

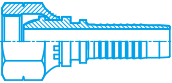
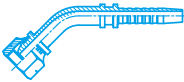
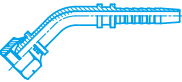
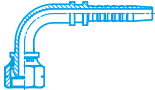
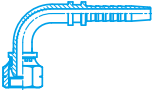
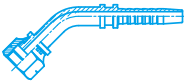
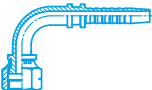
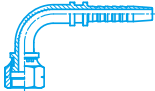
		
20611	20612	20641
		
20691	30611	30612
		
30641	30642	30691
		
30692	13011SW	15611SW
		
13011N	15611N	15611
		
15612	15613	15613L

HOSE PIPE FITTINGS

HOSE PIPE FITTINGS

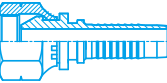
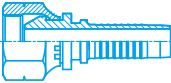
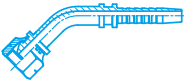
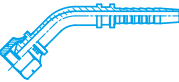
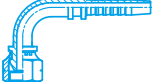
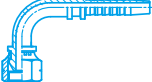
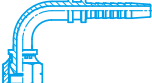
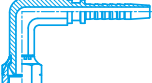
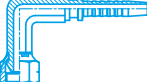
HOSE PIPE FITTINGS

软管

		
13011	13012	22111
		
22112	22141	22142
		
22191	22192	12211A
		
12212A	22211	22212
		
22241	22242	22291
		
22292	12611A	12612A

HOSE PIPE FITTINGS

软管

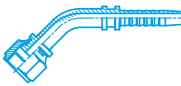
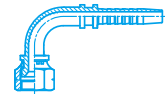
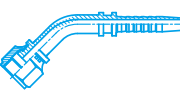
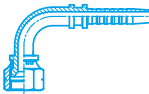
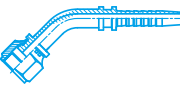
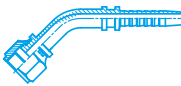
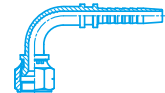
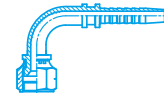
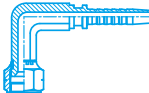
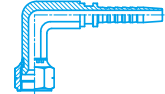
		
22611	22612	22641
		
22642	22691	22692
		
22611D	22612D	22613
		
22643	22693	22691K
		
22692K	16011SW	16011
		
16012	16711	16712

HOSE PIPE FITTINGS

HOSE PIPE FITTINGS

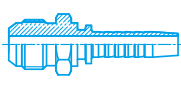
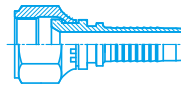
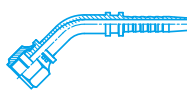
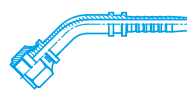
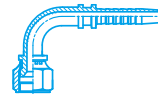
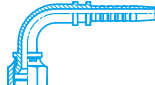
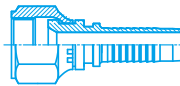
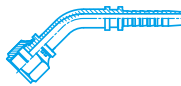
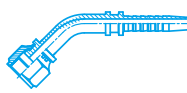
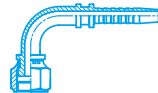
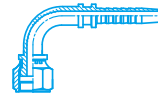
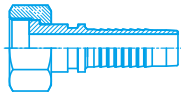
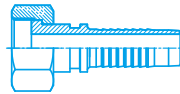
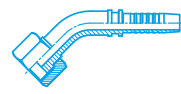
HOSE PIPE FITTINGS

软管

		
26712	26711	26741
		
26791	26742	26792
		
26711D	26712D	26713
		
26713L	26743	26743L
		
26793	26793L	26791K
		
26792K	17811	17812

HOSE PIPE FITTINGS

软管

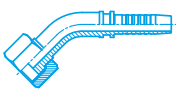
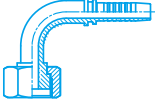
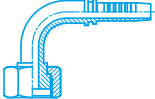
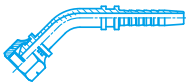
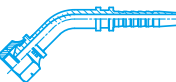
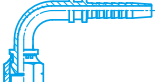
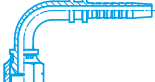
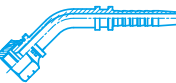
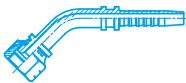
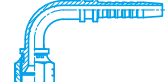
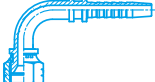
		
17811L	27811	27812
		
27841	27842	27891
		
27892	14211	14212
		
24211	24212	24241
		
24242	24291	24292
		
34211	34212	34241

HOSE PIPE FITTINGS

HOSE PIPE FITTINGS

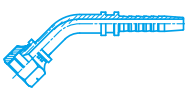
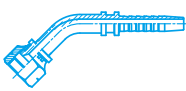
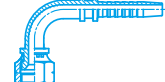
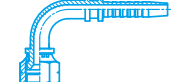
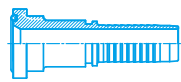
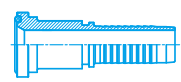
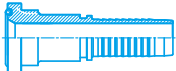
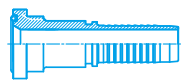
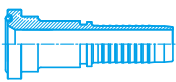
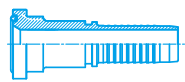
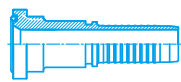
HOSE PIPE FITTINGS

软管

		
34242	34291	34292
		
21611	21612	21641
		
21642	21691	21692
		
18611	18612	28611
		
28612	28641	28642
		
28691	28692	29611

HOSE PIPE FITTINGS

软管

		
29612	29641	29642
		
29691	29692	88112
		
88142	88192	87312
		
87612	87342	87642
		
87392	87692	87313
		
87613	87313L	87613L

HOSE PIPE FITTINGS

HOSE PIPE FITTINGS

软管

