

WORLD WIDE FITTINGS



PRODUCT CATALOG

May 2026



ENGINEERING • INNOVATION • SERVICE



OUR MISSION

To consistently meet customer requirements in a efficient manner with continuous improvement to our quality system.

Quality is about more than product performance. It's about people and processes performing, too. At World Wide, we approach our work with intense attention to detail that starts with manufacturing and continues until the part is delivered to you, error-free. It's the only way to ensure our customers' success.

You are only a click away from ordering quality fittings. You can find us at worldwidefittings.com. Our professional staff will help you with the orders.

— World Wide Fittings Management

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WARNING

Selection of proper tubing, tube fittings, and proper installation is essential to the proper operation and safe use of products and related equipment.

IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED WITHIN THIS CATALOG CAN CAUSE DEATH, PERSONAL INJURY, AND PROPERTY DAMAGE.

World Wide Fittings has prepared this document and other information to provide product and / or system options for further analysis by users having technical expertise. Due to the variety of operating conditions and applications for these products, the user through its own analysis and testing, is solely responsible for making the final selection of the products and assuring that all performance, safety, and warning requirement of the application are met. Below are some of the factors which should be considered when specifying components and equipment for your application.

TYPE OF MEDIA
TUBE SIZE
INSIDE DIAMETER
PRESSURE
SAFETY FACTOR

TUBING MATERIAL
WALL THICKNESS
TEMPERATURE
NECESSARY FLOW RATE

The products described herein, including product specification, designs, pricing, and availability, are subject to change by World Wide Fittings Corporation at time without notice.

TUBE & FITTING THREAD CHART

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DASH #	TUBE SIZE	Flareless 7000	37° Flare 5000	Pipe 3000	Face-seal 4000	Swivel Adapters 9000	Straight Thread "O" Ring Boss	7/8 Taper Pressure Plugs 100 P	Metric	BSPP
1	1/16"	-	-	1/16-27	-	-	-	1/16-27	M8 X 1.0	1/16-28
2	1/8"	5/16-24	5/16-24	1/8-27	-	1/8-27	5/16-24	1/8-27	M10 X 1.0	1/8-28
3	3/16"	3/8-24	3/8-24	-	-	-	3/8-24	-	M12 X 1.5	
4	1/4"	7/16-20	7/16-20	1/4-18	9/16-18	1/4-18	7/16-20	1/4-18	M14 X 1.5	1/4-19
5	5/16"	1/2-20	1/2-20	-	-	-	1/2-20	-	M16 X 1.5	
6	3/8"	9/16-18	9/16-18	3/8-18	11/16-16	3/8-18	9/16-18	3/8-18	M18 X 1.5	3/8-19
8	1/2"	3/4-16	3/4-16	1/2-14	13/16-16	1/2-14	3/4-16	1/2-14	M20 X 1.5	1/2-14
10	5/8"	7/8-14	7/8-14	-	1-14	7/8-14	7/8-14	-	M22 X 1.5	5/8-14
12	3/4"	1-1/16-12	1-1/16-12	3/4-14	1-3/16-12	3/4-14	1-1/16-12	3/4-14	M27 X 2.0	3/4-14
14	7/8"	1-3/16-12	1-3/16-12	-	-	-	1-3/16-12	-	M30 X 2.0	
16	1"	1-5/16-12	1-5/16-12	1-11-1/2	1-7/6-12	1-11-12	1-5/16-12	1-11-1/2	M33 X 2.0	1-16
20	1-1/4"	1-5/8-12	1-5/8-12	1-1/4-11-1/2	1-11/16-12	1-1/4-11-1/2	1-5/8-12	1-1/4-11-1/2	M42 X 2.0	1-1/4-11
24	1-1/2"	1-7/8-12	1-7/8-12	1-1/2-11-1/2	2-12	1-1/2-11-1/2	1-7/8-12	1-1/2-11-1/2	M48 X 2.0	1-1/2-11
32	2"	2-1/2-12	2-1/2-12	2-11-1/2	-	2-11-1/2	2-1/2-12	2-11-1/2	M60 X 2.0	2-11

PRODUCT SPECIFICATION / INTERCHANGEABILITY

World Wide Fittings products are manufactured from various manufacturing processes which include cold heading, impact extrusion, hot and cold forging, and the conventional methods of making tube fittings on screw machines. World Wide products meet the SAE - J514, ASME Standard, NFPA Standard, and Military Standard - MIL - F - 18866, Class 1 for hydraulic and pneumatic fittings. World Wide Fittings "O" Ring Face Seal Fittings meet or exceed the requirements of the SAE - J1453 Specification.

Most of World Wide Fittings products fall under the Federal Supply Class #4730. All World Wide Fittings products are interchangeable with our competition's provided their fittings are made to the applicable SAE, ASME, NFPA, and Military Standards.

HOW TO ORDER

When specifying hydraulic fittings, the hose or tubing, as well as the thread sizes, are measured in sixteenths of an inch. When ordering tube fittings, customers must always specify the tube ends first followed by the opposite pipe, SAE straight thread, or female swivel end.

Customers who want to order fittings as "bodies only" that are normally sold as assemblies, must include the prefix letter "B" in front of the fitting number. Fittings which are sold as "bodies only" may be ordered as "assemblies" by including the prefix number "3" in front of the fitting number.

When ordering pipe and swivel Series fittings where tube ends are not present, refer to the proper fitting section and the individual listing of the fitting to be assured of ordering the correct part configuration.

(Contact World Wide Fittings when ordering fittings in configurations which are nonstandard or not listed in this catalog.)

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Hydraulic tube and pipe fittings are most commonly used with three different types of port threads:

- 1) SAE Straight Thread "O" Ring 2) ISO Metric Thread "O" Ring 3) National Pipe Thread

SAE STRAIGHT THREAD "O" RING PORTS

SAE straight threads can be machined for either adjustable or nonadjustable hydraulic fittings. Carefully machined internal and external UN/UNF straight threads provide the holding power for hydraulic fittings when installed in high pressure hydraulic systems.

SAE straight threads sealing power comes from the use of a high quality 90-durometer Buna-N "O" Ring as specified by SAE-J514. During assembly, the straight threads provide adjustability on shape fittings where maneuverability and alignment are necessary for tube line routing.

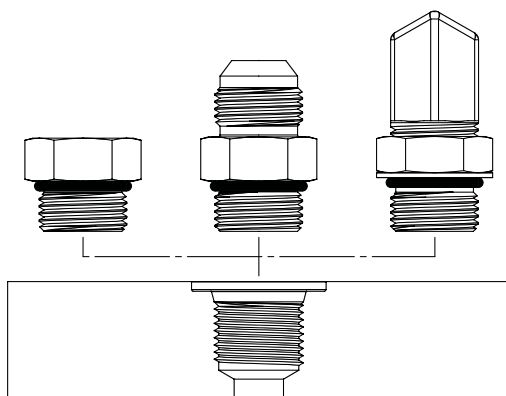
After the hydraulic fittings with the SAE straight thread have been properly installed, the hydraulic "O" Ring provides a high pressure seal by becoming seated between the angular groove in the female port and the male end of the hydraulic fittings.

Inspect threads before assembly to be assured that the male thread and female port are free of burrs and other foreign matter. Lubricate the hydraulic "O" Ring before installing the fitting to prevent the "O" Ring from possible damage during installation. Hydraulic fittings machined from forgings may have higher assembly torque values than are shown in the chart below.

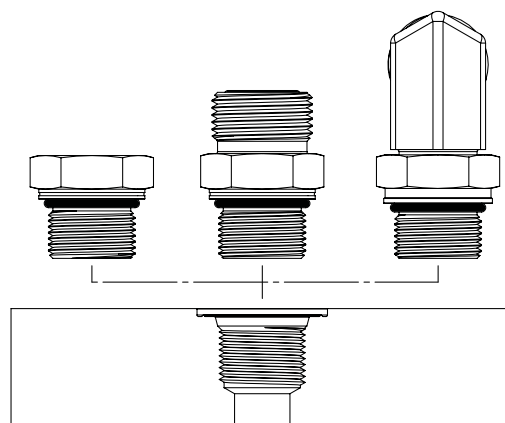
(See drawing below for example of proper installation.)

ASSEMBLY INSTRUCTIONS

1. Inspect the hydraulic fitting and mating port to ensure that there is no foreign matter present or nicks in the "O" Ring to cause a leak.
2. Lubricate the "O" Ring with a light coating of oil or hydraulic fluid.
3. On the fittings adjustable thread, back the locknut off as far as possible and screw the fitting into the port until the flat back-up washer makes contact with the face of the port.
4. Align the adjustable fitting with the end of the tube assembly by unscrewing the fitting to the proper direction. (Do not unscrew the fitting more than one full turn.)
5. Using a wrench to hold the fitting in the desired position, tighten the locknut to the proper torque value as shown in the torque chart for adjustable SAE threads.
6. Visually inspect the fitting assembly to confirm that the "O" Ring has seated properly in the female ports angular seating groove and the back-up washer is seated flat against the face of the port.



Straight thread adjustable and non-adjustable assembly



Metric thread adjustable and non-adjustable assembly

The charts below shows the approximate assembly torque values for hydraulic fittings and “O” Ring plugs with adjustable and non-adjustable SAE straight threads and ISO metric threads.

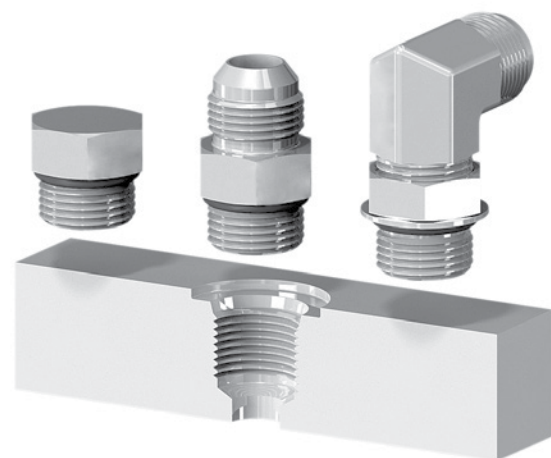
J1926-2 ORFS ADJUSTABLE & NON-ADJUSTABLE		
STUD END QUALIFICATION TORQUE		
DASH SIZE	THREAD	TORQUE [N•m] ¹ +10% - 0%
3	3/8-24	10 ⁽²⁾
4	7/16-20	20 ⁽²⁾
5	1/2-20	40
6	9/16-18	45
8	3/4-16	85
10	7/8-14	115
12	1-1/16-12	170
14	1-3/16-12	215
16	1-5/16-12	270
20	1-5/8-12	285
24	1-7/8-12	370
32	2-1/2-12	540

1. To convert from N•m to lb.ft, multiply by 0.737.
2. These values are for adjustable stud end. Nonadjustable values are 15 and 35 for sizes 3/8-24 and 7/16-20, respectively.

J514 TEST TORQUE FOR INTERNAL HEX PORT PLUGS AND TEST TORQUES FOR HEAVY-DUTY (S-SERIES) EXTERNAL HEX PLUG SCREWS			
DASH SIZE	THREAD	PLUG	
		INTERNAL HEX	EXTERNAL HEX
		TORQUE [N•m]	
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	

J1926-3 JIC, FLARELESS ADJUSTABLE & NON-ADJUSTABLE		
STUD END QUALIFICATION TORQUE		
DASH SIZE	THREAD	TORQUE [N•m] ¹ +10% - 0%
2	5/16-24	8
2	3/8-24	10
4	3/8-24	10
5	1/2-20	25
6	9/16-18	30
8	3/4-16	50
10	7/8-14	60
12	1-1/16-12	95
14	1-3/16-12	125
16	1-5/16-12	150
20	1-5/8-12	200
24	1-7/8-12	210
32	1-7/8-12	300

1. To convert from N•m to lb.ft, multiply by 0.737.



Straight Thread Port Assembly

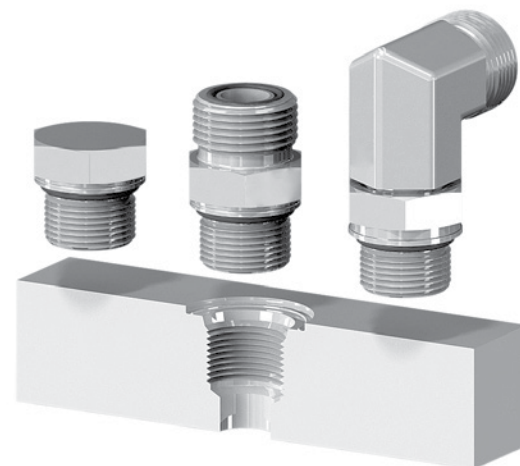
ISO 6149-2 ORFS ADJUSTABLE & NON-ADJUSTABLE	
TORQUES FOR STUD END QUALIFICATION TEST	
THREAD	TORQUE [N·m] ^a +10% - 0%
M10 X 1	10
M10 X 1	20
M12 X 1.5	35
M14 X 1.5	45
M16 X 1.5	55
M18 X 1.5	70
M20 X 1.5 ^a	80
M22 X 1.5	100
M27 X 2.0	170
M30 X 2.0	215
M33 X 2.0	310
M42 X 2.0	330
M48 X 2.0	420
M60 X 2.0	500

a. For plugs for cartridge valve cavities only (see ISO 6149-4 and ISO 7789).

ISO 6149-4		
TORQUES FOR PLUG QUALIFICATION TEST		
THREAD	PLUG	
	INTERNAL HEX	EXTERNAL HEX
	TORQUE [N·m] +10% - 0%	
M8 X 1	8	10
M10 X 1	15	20
M12 X 1.5	22	35
M14 X 1.5	45	45
M16 X 1.5	55	55
M18 X 1.5	70	70
M20 X 1.5 ^a	80	80
M22 X 1.5	100	100
M27 X 2.0	170	170
M30 X 2.0	215	215
M33 X 2.0	310	310
M42 X 2.0	330	330
M48 X 2.0	420	420
M60 X 2.0	500	500

a. For cartridge valve cavity applications only (see ISO 7789).

ISO 6149-3 JIC, FLARELESS ADJUSTABLE & NON-ADJUSTABLE	
TORQUES FOR STUD END QUALIFICATION TEST	
THREAD	TORQUE [N·m] ^a +10% - 0%
M8 X 1	8
M10 X 1	15
M12 X 1.5	25
M14 X 1.5	35
M16 X 1.5	40
M18 X 1.5	45
M22 X 1.5	60
M27 X 2.0	100
M30 X 2.0	130
M33 X 2.0	160
M42 X 2.0	210
M48 X 2.0	260
M60 X 2.0	315



Metric Thread Port Assembly

DRYSEAL PIPE THREADS

NPTF threads are formed to have a 3/4" taper with tightly machined tolerances to provide contact at the crest and root of the thread as well as the flank. The metal to metal seal of the thread crest, root, and flank, together provide a complete seal to help prevent the possibility of spiral leakage.

NPTF threads also provide the holding power for the connection while in high pressure service, which limits the reliability of the seal which the threads are making with the female port.

For high pressure applications where constant vibration is running through the hydraulic systems, hydraulic fittings with SAE straight threads which connect to female or male ports are recommended.

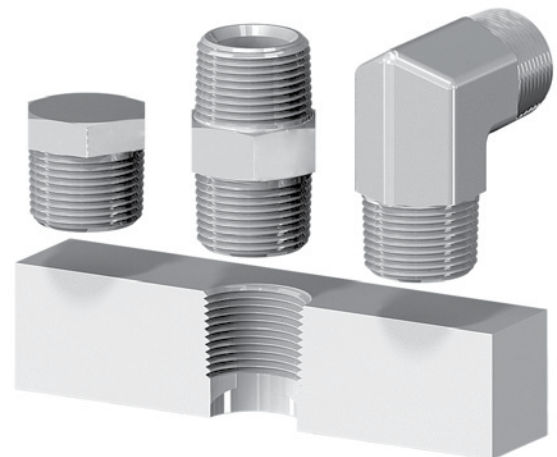
ASSEMBLY INSTRUCTIONS

1. Visually inspect the fitting and the mating port and remove any burrs or foreign matter which may be present.
2. Apply thread sealant if needed to the male threads. Do not apply thread sealant to the beginning 1/3rd of the male threads so as to keep the hydraulic system free from being contaminated by sealant which enters the system from the fitting connection.
3. Install the fitting to the finger-tight position. Using a wrench turn the fitting approximately 2 - 2 1/2 turns past the finger-tight position.

(See drawing below for example of proper installation.)

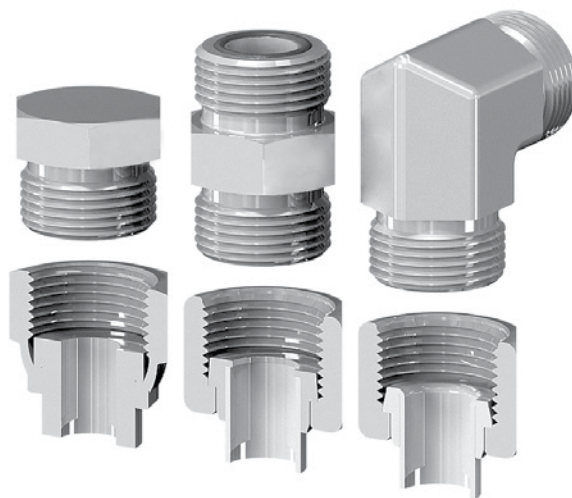
TAPERED PIPE THREAD SIZE		
DASH SIZE	NPTF	T.F.F.T.
2	1/8-27	2 - 3
4	1/4-18	2 - 3
6	3/8-18	2 - 3
8	1/2-14	2 - 3
12	3/4-14	2 - 3
16	1-11-1/2	1.5 - 2.5
20	1-1/4-11-1/2	1.5 - 2.5
24	1-1/2-11-1/2	1.5 - 2.5
32	2-11-1/2	1.5 - 2.5

Assembly turns from finger tight (T.F.F.T.) values for steel, stainless steel and brass pipe fittings.



Pipe Thread Port Assembly

J1453-2 & J1453-3				
FACE SEAL END QUALIFICATION TORQUE				
NOMINAL METRIC TUBE OD MM	INCH TUBE OD OR HOSE ID DASH SIZE	NOMINAL INCH TUBE OD MM	“O” RING FACE SEAL END THREAD INCH	TORQUE [N•m]
6	4	6.35	9/16-18	25
8	5	7.94	5/8-18	30
10	6	9.52	11/16-16	40
12	8	12.70	13/16-16	55
16	10	15.88	1-14	60
20	12	19.05	1-3/16-12	90
22	14	22.23	1-5/16-12	115
25	16	25.40	1-7/16-12	125
30	20	31.75	1-11/16-12	170
38	24	38.10	2-12	200



Face Seal Thread Assembly

TUBING DESIGN PRESSURES

For Steel and Stainless Steel Tubing Based On 4 - 1 Safety Factor

TUBE O.D.	WALL THICKNESS	TUBE I.D.	STEEL C1010	STAINLESS 304 & 316
0.125	0.028	0.069	6661	7994
0.125	0.035	0.055	8445	10134
0.188	0.028	0.132	4245	5094
0.188	0.035	0.118	5435	6521
0.188	0.049	0.090	7839	9407
0.250	0.028	0.194	3104	3725
0.250	0.035	0.180	3965	4758
0.250	0.049	0.152	5753	6903
0.250	0.065	0.120	7819	9382
0.250	0.083	0.084	9964	11957
0.313	0.028	0.257	2433	2919
0.313	0.035	0.243	3098	3718
0.313	0.049	0.215	4486	5383
0.313	0.065	0.183	6131	7357
0.313	0.083	0.147	7982	9579
0.313	0.095	0.123	9156	10987
0.375	0.028	0.319	2004	2405
0.375	0.035	0.305	2547	3056
0.375	0.049	0.277	3675	4410
0.375	0.065	0.245	5021	6025
0.375	0.083	0.209	6575	7890
0.375	0.095	0.185	7607	9128
0.375	0.109	0.157	8771	10526
0.500	0.035	0.430	1871	2245
0.500	0.049	0.402	2684	3221
0.500	0.065	0.370	3654	4385
0.500	0.083	0.334	4786	5744
0.500	0.095	0.310	5558	6670
0.500	0.109	0.282	6467	7760
0.500	0.120	0.260	7179	8615
0.500	0.134	0.232	8071	9685
0.500	0.148	0.204	8932	10719
0.500	0.188	0.124	11051	13262
0.625	0.035	0.555	1478	1773
0.625	0.049	0.527	2111	2534
0.625	0.065	0.495	2863	3436
0.625	0.083	0.459	3741	4489

TUBE O.D.	WALL THICKNESS	TUBE I.D.	STEEL C1010	STAINLESS 304 & 316
0.625	0.095	0.435	4342	5210
0.625	0.109	0.407	5055	6067
0.625	0.120	0.385	5623	6748
0.625	0.134	0.357	6350	7620
0.750	0.035	0.680	1221	1465
0.750	0.049	0.652	1739	2087
0.750	0.065	0.620	2351	2821
0.750	0.083	0.584	3064	3676
0.750	0.095	0.560	3551	4261
0.750	0.109	0.532	4132	4958
0.750	0.120	0.510	4595	5514
0.750	0.134	0.482	5193	6231
0.750	0.148	0.454	5796	6955
0.750	0.188	0.374	7521	9026
0.875	0.035	0.805	1040	1248
0.875	0.049	0.777	1478	1773
0.875	0.065	0.745	1993	2392
0.875	0.083	0.709	2591	3110
0.875	0.095	0.685	3000	3600
0.875	0.109	0.657	3487	4184
0.875	0.120	0.635	3876	4651
0.875	0.134	0.607	4378	5253
0.875	0.148	0.579	4887	5864
1.000	0.035	0.930	906	1087
1.000	0.049	0.902	1285	1542
1.000	0.065	0.870	1730	2076
1.000	0.083	0.834	2244	2693
1.000	0.095	0.810	2596	3115
1.000	0.109	0.782	3013	3616
1.000	0.120	0.760	3347	4016
1.000	0.134	0.732	3778	4533
1.000	0.148	0.704	4216	5059
1.000	0.156	0.688	4468	5362
1.000	0.188	0.624	5494	6592
1.000	0.220	0.560	6532	7838
1.250	0.049	1.152	1018	1222
1.250	0.065	1.120	1367	1641

TUBING DESIGN PRESSURES

For Steel and Stainless Steel Tubing Based On 4 - 1 Safety Factor

TUBE O.D.	WALL THICKNESS	TUBE I.D.	STEEL C1010	STAINLESS 304 & 316
1.250	0.083	1.084	1769	2123
1.250	0.095	1.060	2042	2451
1.250	0.109	1.032	2367	2840
1.250	0.120	1.010	2625	3150
1.250	0.134	0.982	2959	3551
1.250	0.148	0.954	3298	3958
1.250	0.156	0.938	3494	4193
1.250	0.188	0.874	4291	5149
1.250	0.220	0.810	5107	6128
1.500	0.065	1.370	1130	1356
1.500	0.083	1.334	1459	1751
1.500	0.095	1.310	1683	2019
1.500	0.109	1.282	1947	2336
1.500	0.120	1.260	2158	2589
1.500	0.134	1.232	2429	2915
1.500	0.148	1.204	2704	3245
1.500	0.156	1.188	2863	3436
1.500	0.188	1.124	3510	4212
1.500	0.220	1.060	4174	5008
1.500	0.250	1.000	4808	5769
2.000	0.065	1.870	839	1007
2.000	0.083	1.834	1080	1296
2.000	0.095	1.810	1244	1492
2.000	0.109	1.782	1436	1724
2.000	0.120	1.760	1589	1907
2.000	0.134	1.732	1786	2143
2.000	0.148	1.704	1985	2382
2.000	0.156	1.688	2100	2520
2.000	0.188	1.624	2566	3079
2.000	0.220	1.560	3043	3652
2.000	0.250	1.500	3500	4200
2.000	0.281	1.438	3980	4776

When using thick walled tubing where flaring is impractical, the use of Flareless Fittings is recommended. Pressures listed above are given in PSI.

Selection of hydraulic tubing size is calculated by evaluating several different factors.

These factors include:

1. Type of fluid in the application
2. Maximum working pressure
3. Type of service (Normal, Severe, Hazardous)
4. Operating Temperature of application
5. Flow rate of application

Tubing design pressures can be calculated using one of three equations as shown in SAE - J1065. The values which are shown in the tubing design pressure chart were calculated using (LAME'S) equation. Values as shown in the tubing design pressure chart are given using a safety factor of 4 to 1, which is rated for normal service.

LAME'S equation

$$P = S \left(\frac{D^2 - d^2}{D^2 + d^2} \right)$$

D = Outside tube diameter (Inches)

d = Inside tube diameter (Inches)

P = Recommended design pressure

S = Allowable stress of material (PSI)

** Values for allowable stress of materials

- C1010 Steel tubing: 12,500 PSI
- 304 and 316 Stainless tubing: 15,000 PSI

** Tubing design pressure values have not been derated for severity of service or elevated operating temperatures.

** Consult your tubing supplier for detailed information regarding pressure and temperature ratings for tubing.

1010 STEEL TUBING WALL THICKNESS

TUBE O.D.	6:1 SAFETY FACTOR					8:1 SAFETY FACTOR				
	WORKING PRESSURES (PSI)					WORKING PRESSURES (PSI)				
	1000	2000	3000	4000	5000	1000	2000	3000	4000	5000
1/8	0.028	0.028	0.028	0.028	0.035	0.028	0.028	0.028	0.035	-
3/16	0.030	0.030	0.030	-	-	0.030	0.030	-	-	-
1/4	0.030	0.030	0.042	0.058	-	0.030	0.035	0.058	-	-
5/16	0.032	0.032	0.058	0.065	-	0.032	0.049	0.065	-	-
3/8	0.032	0.042	0.083	-	-	0.032	0.058	-	-	-
1/2	0.032	0.058	-	-	-	0.042	0.072	-	-	-
5/8	0.035	0.072	-	-	-	0.049	0.095	-	-	-
3/4	0.049	0.083	-	-	-	0.058	0.109	-	-	-
7/8	0.049	0.095	-	-	-	0.065	-	-	-	-
1	0.058	0.109	-	-	-	0.072	-	-	-	-
1-1/4	0.072	-	-	-	-	0.095	-	-	-	-
1-1/2	0.083	-	-	-	-	0.109	-	-	-	-
2	0.109	-	-	-	-	-	-	-	-	-

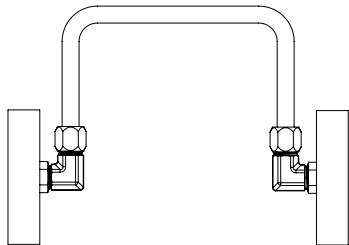
304 & 316 STAINLESS STEEL TUBING WALL THICKNESS

TUBE O.D.	6:1 SAFETY FACTOR					8:1 SAFETY FACTOR				
	WORKING PRESSURES (PSI)					WORKING PRESSURES (PSI)				
	1000	2000	3000	4000	5000	1000	2000	3000	4000	5000
1/8	0.028	0.028	0.028	0.028	0.035	0.028	0.028	0.028	0.028	0.035
3/16	0.030	0.030	0.030	0.030	0.035	0.030	0.030	0.030	0.035	-
1/4	0.030	0.030	0.030	0.042	0.058	0.030	0.030	0.035	0.058	0.065
5/16	0.032	0.032	0.035	0.058	0.065	0.032	0.032	0.049	0.065	-
3/8	0.032	0.042	0.065	0.083	-	0.032	0.042	0.058	-	-
1/2	0.032	0.042	0.065	0.083	-	0.032	0.058	0.083	-	-
5/8	0.035	0.058	0.083	0.095	-	0.035	0.065	-	-	-
3/4	0.035	0.065	0.095	-	-	0.049	0.083	-	-	-
7/8	0.049	0.072	0.109	-	-	0.049	0.095	-	-	-
1	0.049	0.083	0.120	-	-	0.058	0.109	-	-	-
1-1/4	0.058	0.109	-	-	-	0.065	0.134	-	-	-
1-1/2	0.065	0.120	-	-	-	0.083	-	-	-	-
2	0.083	-	-	-	-	0.109	-	-	-	-

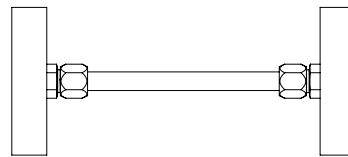
Equipment which makes use of hydraulic or pneumatic fluid lines must be properly designed for efficiency, ease of assembly, and leak free operation. Consider the following points when designing a fluid system.

1. Proper routing of lines to avoid pressure drops and excessive strain on joints.
2. Make joints accessible for easy installation and future maintenance.
3. Have tube supports installed to further eliminate strain on tube lines and excess noise from the system.

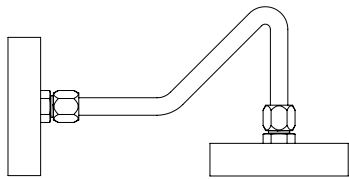
** Refer to drawings of fluid line fabrications for examples of proper and improper routing.



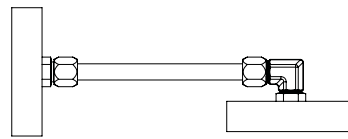
Correct routing



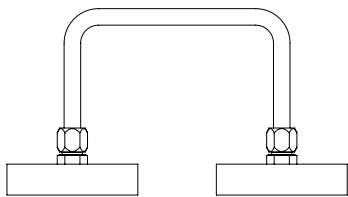
Incorrect routing



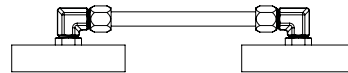
Correct routing



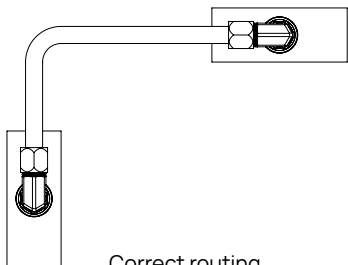
Incorrect routing



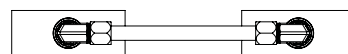
Correct routing



Incorrect routing



Correct routing



Incorrect routing

**WORLD
WIDE**

PIPE FITTINGS

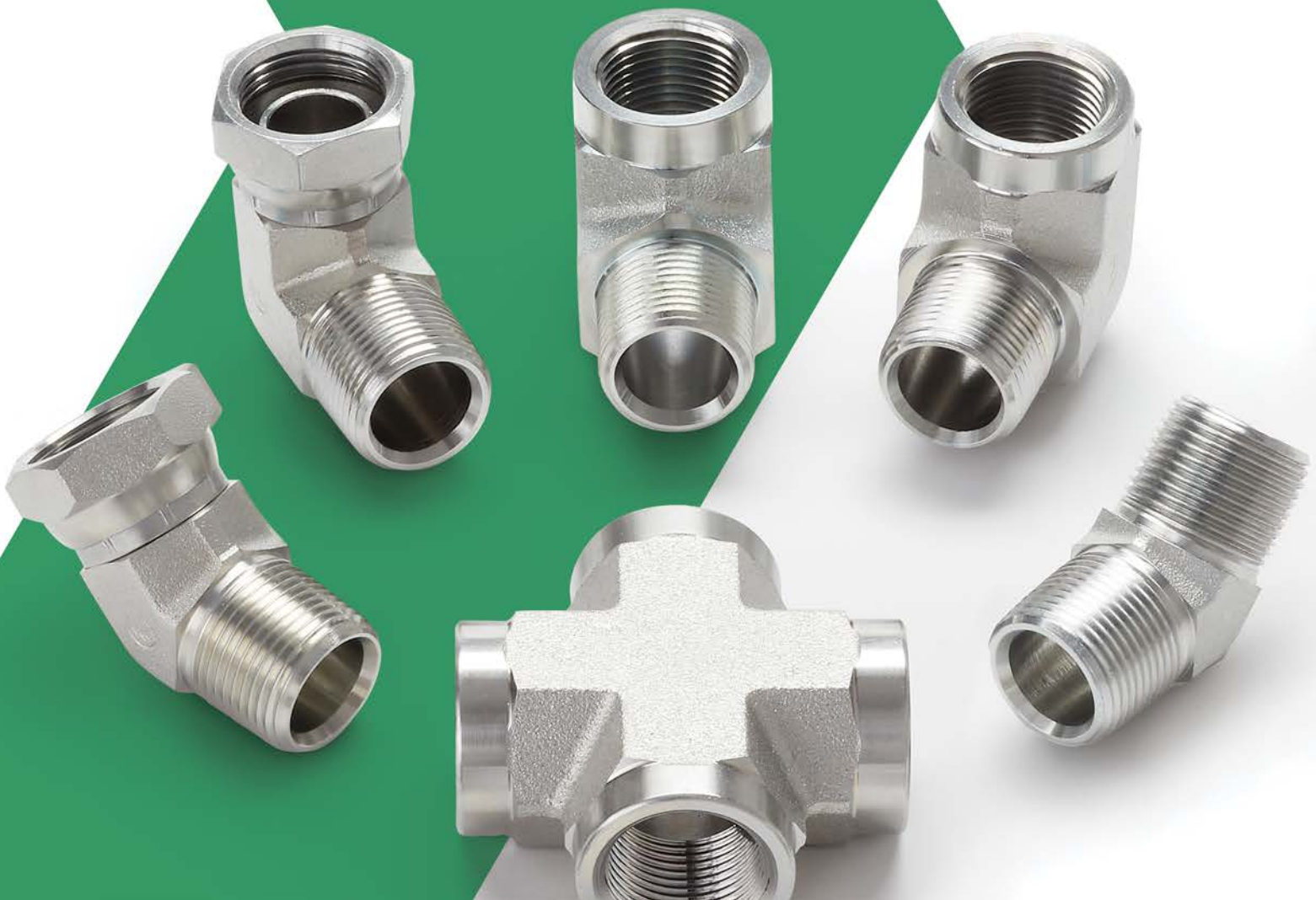


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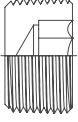
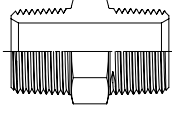
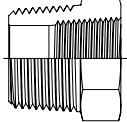
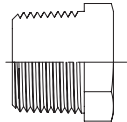
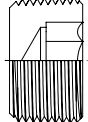
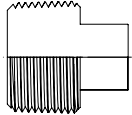
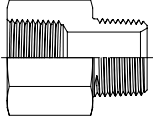
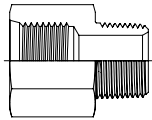
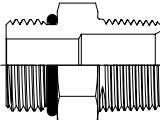
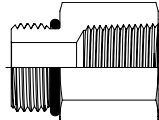
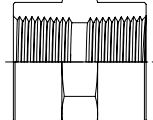
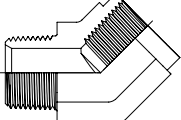
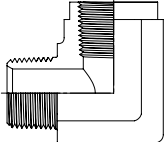
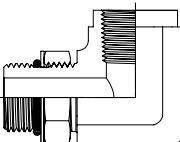
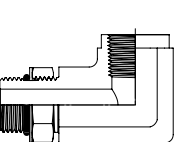
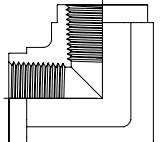
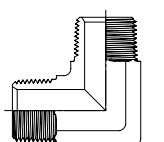
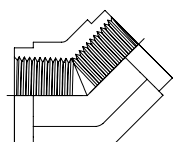
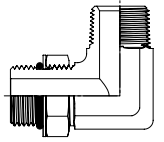
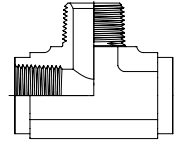
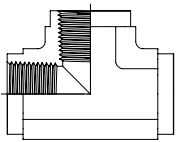
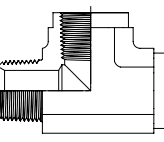
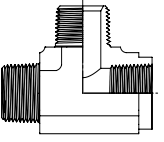
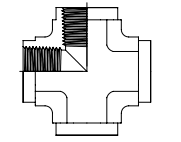
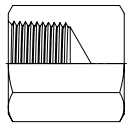
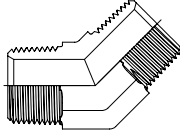
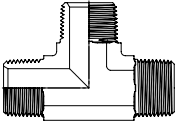
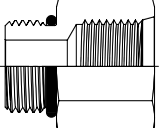
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or click on the [Pipe Fittings Index](#) to select a specific part.



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NUTS & ACCESSORIES

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PIPE CAP

WWF PART # 5406C
Industry Standard: 5406-C
Parker: HPC
Tompkins: 5406-CAP
Fittings Unlimited: Y-5406-C

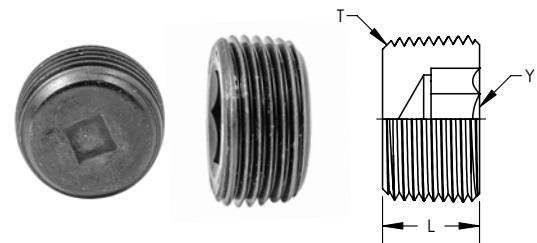


PART #	Y HEX	T	L
5406CX02	0.563	1/4-18	0.75
5406CX04	0.750	1/4-18	0.910
5406CX06	0.875	3/8-18	1.030
5406CX08	1.063	1/2-14	1.340
5406CX12	1.250	3/4-14	1.440
5406CX16	1.625	1-11-1/2	1.610
5406CX20	2.000	1-1/4-11-1/2	1.250

STRAIGHTS

7/8" TAPER LEVEL SEAL HEX SOCKET PIPE PLUG

WWF PART # 100P

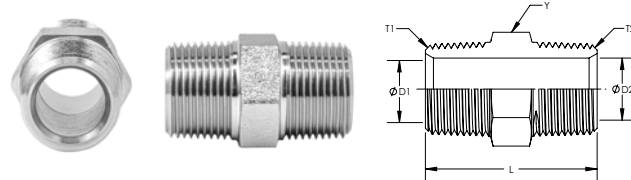


PART #	Y HEX	T	L
100PX01	0.156	1/16-27	0.250
100PX02	0.188	1/8-27	0.250
100PX04	0.250	1/4-18	0.406
100PX06	0.313	3/8-18	0.406
100PX08	0.375	1/2-14	0.531
100PX12	0.563	3/4-14	0.531
100PX16	0.625	1-11-1/2	0.656
100PX20	0.750	1-1/4-11-1/2	0.656
100PX24	0.750	1-1/2-11-1/2	0.656
100PX32	1.000	2-11-1/2	0.656

STRAIGHTS

HEXAGON PIPE NIPPLE

WWF PART # 3069
SAE: 140137
Industry Standard 5404
Parker: FF
Aeroquip: 2083
Gates: MP-MP
Gates Global: G60110
Fittings Unlimited: Y-5404

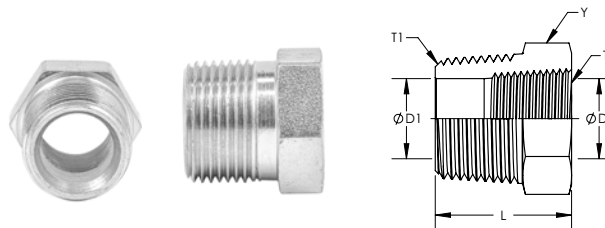


PART #	Y HEX	T1	D1	T2	D2	L
3069X02X02	0.438	1/8-27	0.188	1/8-27	0.188	1.060
3069X04X02	0.625	1/4-18	0.281	1/8-27	0.188	1.260
3069X04X04	0.625	1/4-18	0.281	1/4-18	0.281	1.450
3069X06X02	0.750	3/8-18	0.406	1/8-27	0.188	1.260
3069X06X04	0.750	3/8-18	0.406	1/4-18	0.281	1.450
3069X06X06	0.750	3/8-18	0.406	3/8-18	0.406	1.450
3069X08X02	0.875	1/2-14	0.531	1/8-27	0.188	1.510
3069X08X04	0.875	1/2-14	0.531	1/4-18	0.281	1.700
3069X08X06	0.875	1/2-14	0.531	3/8-18	0.406	1.700
3069X08X08	0.875	1/2-14	0.531	1/2-14	0.531	1.890
3069X12X04	1.125	3/4-14	0.719	1/4-18	0.281	1.772
3069X12X06	1.125	3/4-14	0.719	3/8-18	0.406	1.770
3069X12X08	1.125	3/4-14	0.719	1/2-14	0.531	1.960
3069X12X12	1.125	3/4-14	0.719	3/4-14	0.719	1.960
3069X16X06	1.375	1-11-1/2	0.938	3/8-18	0.406	1.960
3069X16X08	1.375	1-11-1/2	0.938	1/2-14	0.531	2.150
3069X16X12	1.375	1-11-1/2	0.938	3/4-14	0.719	2.150
3069X16X16	1.375	1-11-1/2	0.938	1-11-1/2	0.938	2.340
3069X20X12	1.750	1-1/4-11-1/2	1.250	3/4-14	0.719	2.260
3069X20X16	1.750	1-1/4-11-1/2	1.250	1-11-1/2	0.938	2.450
3069X20X20	1.750	1-1/4-11-1/2	1.250	1-1/4-11-1/2	1.250	2.480
3069X24X12	2.000	1-1/2-11-1/2	1.500	3/4-14	0.719	2.360
3069X24X16	2.000	1-1/2-11-1/2	1.500	1-11-1/2	0.938	2.550
3069X24X20	2.000	1-1/2-11-1/2	1.500	1-1/4-11-1/2	1.250	2.580
3069X24X24	2.000	1-1/2-11-1/2	1.500	1-1/2-11-1/2	1.500	2.610
3069X32X20	2.500	2-11-1/2	1.938	1-1/4-11-1/2	1.250	2.760
3069X32X24	2.500	2-11-1/2	1.938	1-1/2-11-1/2	1.500	2.790
3069X32X32	2.500	2-11-1/2	1.938	2-11-1/2	1.938	2.820

STRAIGHTS

MALE PIPE TO FEMALE PIPE REDUCER BUSHING

WWF PART # 3109
SAE: 140140
Industry Standard: 5406
Parker: PTR
Aeroquip: 2081
Gates: MP-FPS
Gates Global: G60130
Fittings Unlimited: Y-5406



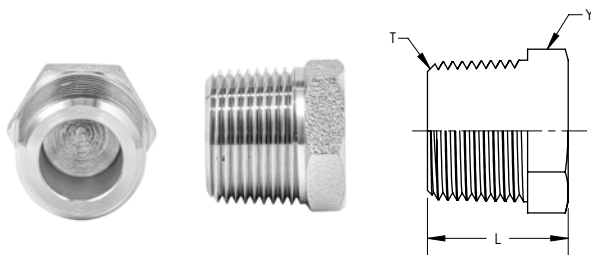
PART #	Y HEX	T1	D1	T2	D2	L
3109X04X02	0.625	1/4-18	0.281	1/8-27	0.332	0.850
3109X06X02	0.750	3/8-18	0.332	1/8-27	0.332	0.850
3109X06X04	0.750	3/8-18	0.406	1/4-18	0.438	0.850
3109X08X02	0.875	1/2-14	0.332	1/8-27	0.332	1.100
3109X08X04	0.875	1/2-14	0.438	1/4-18	0.438	1.100
3109X08X06	0.875	1/2-14	0.531	3/8-18	0.563	1.100
3109X12X02	1.125	3/4-14	0.332	1/8-27	0.332	1.170
3109X12X04	1.125	3/4-14	0.438	1/4-18	0.438	1.170
3109X12X06	1.125	3/4-14	0.563	3/8-18	0.563	1.170
3109X12X08	1.125	3/4-14	0.703	1/2-14	0.703	1.170
3109X16X04	1.375	1-11-1/2	0.438	1/4-18	0.438	1.360
3109X16X06	1.375	1-11-1/2	0.563	3/8-18	0.563	1.360
3109X16X08	1.375	1-11-1/2	0.703	1/2-14	0.703	1.360
3109X16X12	1.375	1-11-1/2	0.906	3/4-14	0.906	1.360
3109X20X04	1.750	1-1/4-11-1/2	0.438	1/4-18	0.438	1.470
3109X20X06	1.750	1-1/4-11-1/2	0.563	3/8-18	0.563	1.470
3109X20X08	1.750	1-1/4-11-1/2	0.703	1/2-14	0.703	1.470
3109X20X12	1.750	1-1/4-11-1/2	0.906	3/4-14	0.906	1.470
3109X20X16	1.750	1-1/4-11-1/2	1.141	1-11-1/2	1.141	1.470
3109X24X06	2.000	1-1/2-11-1/2	0.563	3/8-18	0.563	1.570
3109X24X08	2.000	1-1/2-11-1/2	0.703	1/2-14	0.703	1.570
3109X24X12	2.000	1-1/2-11-1/2	0.906	3/4-14	0.906	1.570
3109X24X16	2.000	1-1/2-11-1/2	1.141	1-11-1/2	1.141	1.570
3109X24X20	2.000	1-1/2-11-1/2	1.484	1-1/4-11-1/2	1.484	1.570
3109X32X04	2.500	2-11-1/2	0.438	1/4-18	0.438	1.750
3109X32X06	2.500	2-11-1/2	0.563	3/8-18	0.563	1.750
3109X32X08	2.500	2-11-1/2	0.703	1/2-14	0.703	1.750
3109X32X12	2.500	2-11-1/2	0.906	3/4-14	0.906	1.750
3109X32X16	2.500	2-11-1/2	1.141	1-11-1/2	1.141	1.750
3109X32X20	2.500	2-11-1/2	1.484	1-1/4-11-1/2	1.484	1.750
3109X32X24	2.500	2-11-1/2	1.744	1-1/2-11-1/2	1.744	1.750

STRAIGHTS

EXTERNAL HEX HEAD PIPE PLUG

WWF PART # 3159

Industry Standard: 5406-P
Parker: HP
Aeroquip: 2082
Gates: MP-PLUG
Gates Global: G60102
Fittings Unlimited: Y-5406-P

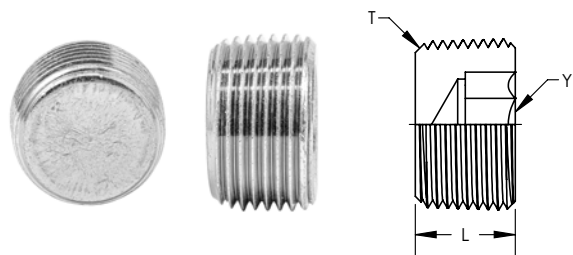


PART #	Y HEX	T	L
3159X02	0.438	1/8-27	0.568
3159X04	0.563	1/4-18	0.751
3159X06	0.688	3/8-18	0.782
3159X08	0.875	1/2-14	0.972
3159X12	1.063	3/4-14	1.064
3159X16	1.313	1-11-1/2	1.254
3159X20	1.750	1-1/4-11-1/2	1.469
3159X24	2.000	1-1/2-11-1/2	1.570
3159X32	2.500	2-11-1/2	1.750

INTERNAL HEX SOCKET PIPE PLUG

WWF PART # 3169

SAE: 130109
Industry Standard: 5406-HP
Air-Way: LONG ALLEN PLUG
Parker: HHP
Aeroquip: 2222
Gates Global: G60130-HP
Tompkins: 5406-HHP
Fittings Unlimited: Y-5406-HHP



PART #	Y HEX	T	L
3169X01	0.156	1/16-27	0.300
3169X02	0.188	1/8-27	0.300
3169X04	0.250	1/4-18	0.460
3169X06	0.313	3/8-18	0.460
3169X08	0.375	1/2-14	0.610
3169X12	0.563	3/4-14	0.620
3169X16	0.625	1-11-1/2	0.770
3169X20	0.750	1-1/4-11-1/2	0.830
3169X24	1.000	1-1/2-11-1/2	0.830
3169X32	1.000	2-11-1/2	0.830

STRAIGHTS

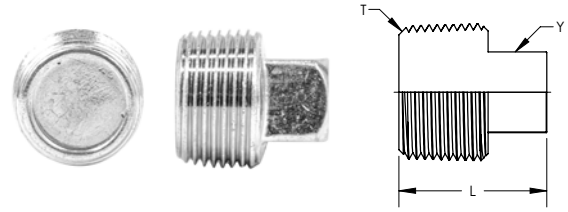
SQUARE HEAD PIPE PLUG

WWF PART # 3179

Industry Standard: 5406-SHP

Parker: SHP-S

Aeroquip: FF4177



PART #	Y HEX	T	L
3179X02	0.281	1/8-27	0.587
3179X04	0.375	1/4-18	0.800
3179X06	0.438	3/8-18	0.832
3179X08	0.563	1/2-14	1.075
3179X12	0.625	3/4-14	1.145
3179X16	0.813	1-11-1/2	1.370
3179X20	0.938	1-1/4-11-1/2	1.400

FEMALE PIPE TO MALE PIPE ADAPTER

WWF PART # 3209

SAE: 140139

Industry Standard: 5405

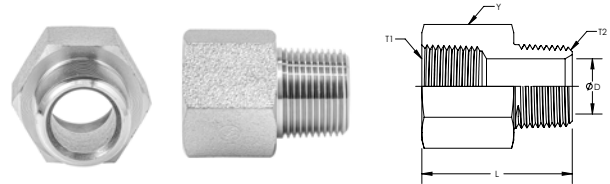
Parker: FG

Aeroquip: 2040

Gates: MP-FPL

Gates Global: G60132

Fittings Unlimited: Y-5405



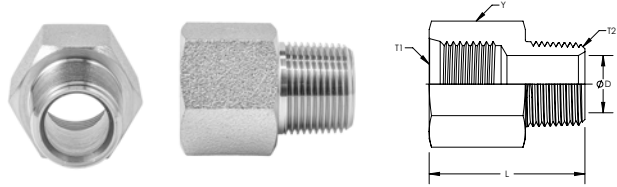
PART #	Y HEX	T1	D	T2	L
3209X02X02	0.625	1/8-27	0.188	1/8-27	1.040
3209X04X02	0.750	1/4-18	0.188	1/8-27	1.210
3209X04X04	0.750	1/4-18	0.281	1/4-18	1.390
3209X04X06	0.750	1/4-18	0.406	3/8-18	0.850
3209X04X08	0.875	1/4-18	0.438	1/2-14	1.600
3209X06X04	0.875	3/8-18	0.281	1/4-18	1.440
3209X06X06	0.875	3/8-18	0.406	3/8-18	1.440
3209X06X08	0.875	3/8-18	0.531	1/2-14	1.100
3209X08X02	1.125	1/2-14	0.188	1/8-27	1.490
3209X08X04	1.125	1/2-14	0.281	1/4-18	1.680
3209X08X06	1.125	1/2-14	0.406	3/8-18	1.680
3209X08X08	1.125	1/2-14	0.531	1/2-14	1.870
3209X08X12	1.125	1/2-14	0.703	3/4-14	1.890
3209X12X04	1.375	3/4-14	0.281	1/4-18	1.740
3209X12X06	1.375	3/4-14	0.406	3/8-18	1.740
3209X12X08	1.375	3/4-14	0.531	1/2-14	1.930
3209X12X12	1.375	3/4-14	0.719	3/4-14	1.930
3209X12X16	1.375	3/4-14	0.719	1-11-1/2	1.360
3209X12X20	1.750	3/4-14	0.906	1-1/4-11-1/2	2.150
3209X16X08	1.625	1-11-1/2	0.531	1/2-14	2.180
3209X16X12	1.625	1-11-1/2	0.719	3/4-14	2.180
3209X16X20	1.750	1-11-1/2	0.938	1-1/4-11-1/2	2.490
3209X20X16	2.000	1-1/4-11-1/2	0.938	1-11-1/2	2.460
3209X24X20	2.375	1-1/2-11-1/2	1.250	1-1/4-11-1/2	2.500

STRAIGHTS

FEMALE ORB TO MALE PIPE ADAPTER

WWF PART # 3239

Indsurty Standard: 6404
Parker: FHG5
Aeroquip: 2246
Gates: FB-MP
Gates Global: G60291
Fittings Unlimited: Y-6404



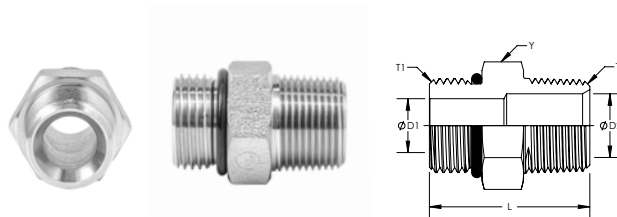
PART #	Y HEX	T1	D	T2	L
3239X04X02	0.688	7/16-20	0.188	1/8-27	1.130
3239X04X04	0.688	7/16-20	0.281	1/4-18	1.320
3239X06X04	0.875	9/16-18	0.281	1/4-18	1.590
3239X06X06	0.875	9/16-18	0.406	3/8-18	1.400
3239X06X08	0.875	9/16-18	0.531	1/2-14	1.450
3239X08X06	1.000	3/4-16	0.406	3/8-18	1.500
3239X08X08	1.000	3/4-16	0.531	1/2-14	1.690
3239X08X16	1.375	3/4-16	0.394	1-11-1/2	1.831
3239X10X08	1.125	7/8-14	0.531	1/2-14	1.820
3239X12X08	1.375	1-1/16-12	0.531	1/2-14	1.960
3239X12X12	1.375	1-1/16-12	0.719	3/4-14	1.960
3239X16X16	1.625	1-5/16-12	0.938	1-11-1/2	2.220

STRAIGHTS

MALE ORB TO MALE PIPE ADAPTER

WWF PART # 3249

Industry Standard: 6401
Parker: F5OF
Aeroquip: FF1796
Gates: MB-MP
Gates Global: G60265
Fittings Unlimited: Y-6401



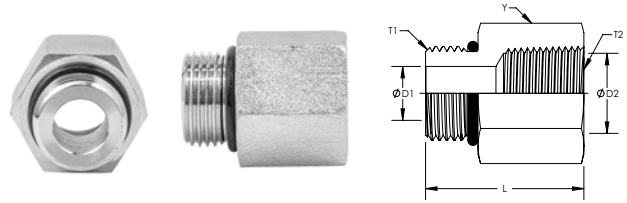
PART #	Y HEX	T1	D1	T2	D2	L
3249X04X02	0.563	7/16-20	0.172	1/8-27	0.188	1.040
3249X04X04	0.563	7/16-20	0.172	1/4-18	0.281	1.230
3249X05X04	0.625	1/2-20	0.234	1/4-18	0.281	1.230
3249X06X04	0.688	9/16-18	0.297	1/4-18	0.281	1.261
3249X06X06	0.750	9/16-18	0.297	3/8-18	0.406	1.261
3249X06X08	0.875	9/16-18	0.297	1/2-14	0.531	1.481
3249X08X06	0.875	3/4-16	0.391	3/8-18	0.406	1.338
3249X08X08	0.875	3/4-16	0.391	1/2-14	0.531	1.528
3249X08X12	1.125	3/4-16	0.391	3/4-14	0.719	1.568
3249X10X04	1.000	7/8-14	0.484	1/4-18	0.281	1.280
3249X10X06	1.000	7/8-14	0.484	3/8-18	0.406	1.460
3249X10X08	1.000	7/8-14	0.484	1/2-14	0.531	1.650
3249X10X12	1.125	7/8-14	0.484	3/4-14	0.719	1.650
3249X12X06	1.250	1-1/16-12	0.609	3/8-18	0.406	1.624
3249X12X08	1.250	1-1/16-12	0.609	1/2-14	0.531	1.814
3249X12X12	1.250	1-1/16-12	0.609	3/4-14	0.719	1.814
3249X12X16	1.375	1-1/16-12	0.609	1-11-1/2	0.938	2.051
3249X16X12	1.500	1-5/16-12	0.844	3/4-14	0.719	1.844
3249X16X16	1.500	1-5/16-12	0.844	1-11-1/2	0.938	2.114
3249X20X16	1.875	1-5/8-12	1.078	1-11-1/2	0.938	2.160
3249X20X20	1.875	1-5/8-12	1.078	1-1/4-11-1/2	1.250	2.144
3249X24X24	2.000	1-7/8-12	1.313	1-1/2-11-1/2	1.500	2.244
3249X32X32	2.750	2-1/2-12	1.781	2-11-1/2	1.938	2.434

STRAIGHTS

MALE ORB TO FEMALE PIPE ADAPTER

WWF PART # 3269

Industry Standard: 6405
Parker: F5OG
Aeroquip: 2216
Gates: MB-FP
Gates Global: G60275
Fittings Unlimited: Y-6405

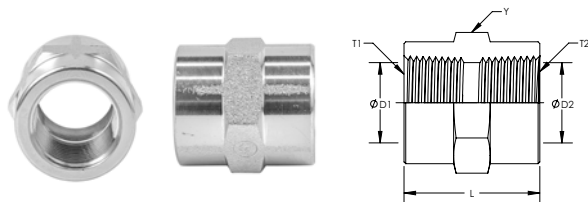


PART #	Y HEX	T1	D1	T2	D2	L
3269X04X02	0.563	7/16-20	0.172	1/8-27	0.332	1.000
3269X04X04	0.750	7/16-20	0.172	1/4-18	0.438	1.205
3269X04X06	0.875	7/16-20	0.172	3/8-18	0.563	1.351
3269X05X02	0.625	1/2-20	0.234	1/8-27	0.332	0.980
3269X05X04	0.750	1/2-20	0.234	1/4-18	0.438	1.205
3269X05X06	0.875	1/2-20	0.234	3/8-18	0.563	1.351
3269X06X02	0.750	9/16-18	0.297	1/8-27	0.332	1.025
3269X06X04	0.750	9/16-18	0.297	1/4-18	0.438	1.235
3269X06X06	0.875	9/16-18	0.297	3/8-18	0.563	1.301
3269X06X08	1.125	9/16-18	0.297	1/2-14	0.703	1.642
3269X08X02	0.875	3/4-16	0.391	1/8-27	0.332	1.121
3269X08X04	0.875	3/4-16	0.391	1/4-18	0.438	1.331
3269X08X06	0.875	3/4-16	0.391	3/8-18	0.563	1.341
3269X08X08	1.125	3/4-16	0.391	1/2-14	0.703	1.710
3269X08X12	1.375	3/4-16	0.391	3/4-14	0.906	1.760
3269X10X04	1.000	7/8-14	0.484	1/4-18	0.438	1.402
3269X10X06	1.000	7/8-14	0.484	3/8-18	0.563	1.412
3269X10X08	1.125	7/8-14	0.484	1/2-14	0.703	1.632
3269X10X12	1.375	7/8-14	0.484	3/4-14	0.906	1.700
3269X12X02	1.250	1-1/16-12	0.228	1/8-27	0.332	1.412
3269X12X04	1.250	1-1/16-12	0.609	1/4-18	0.438	1.550
3269X12X06	1.250	1-1/16-12	0.609	3/8-18	0.563	1.560
3269X12X08	1.250	1-1/16-12	0.609	1/2-14	0.703	1.780
3269X12X12	1.375	1-1/16-12	0.609	3/4-14	0.906	1.790
3269X12X16	1.625	1-1/16-12	0.609	1-11-1/2	1.141	2.033
3269X14X12	1.375	1-3/16-12	0.719	3/4-14	0.906	1.764
3269X16X06	1.500	1-5/16-12	0.844	3/8-18	0.563	1.573
3269X16X08	1.500	1-5/16-12	0.844	1/2-14	0.703	1.793
3269X16X12	1.500	1-5/16-12	0.844	3/4-14	0.906	1.803
3269X16X16	1.625	1-5/16-12	0.844	1-11-1/2	1.141	2.033
3269X16X20	2.000	1-5/16-12	0.844	1-1/4-11-1/2	1.484	2.286
3269X20X12	1.875	1-5/8-12	1.078	3/4-14	0.906	1.876
3269X20X16	1.875	1-5/8-12	1.078	1-11-1/2	1.141	2.106
3269X20X20	2.000	1-5/8-12	1.078	1-1/4-11-1/2	1.484	2.126
3269X20X24	2.375	1-5/8-12	1.078	1-1/2-11-1/2	1.744	2.291
3269X24X12	2.125	1-7/8-12	1.313	3/4-14	0.906	1.881
3269X24X16	2.125	1-7/8-12	1.313	1-11-1/2	1.141	2.111
3269X24X20	2.125	1-7/8-12	1.313	1-1/4-11-1/2	1.484	2.131
3269X24X24	2.375	1-7/8-12	1.313	1-1/2-11-1/2	1.744	2.131
3269X32X24	2.875	2-1/2-12	1.744	1-1/2-11-1/2	1.744	2.122
3269X32X32	2.875	2-1/2-12	1.781	2-11-1/2	2.213	2.231

STRAIGHTS

FEMALE PIPE TO FEMALE PIPE HEX COUPLING

WWF PART # 3309
SAE: 140138
Industry Standard: 5000
Parker: GG
Aeroquip: 2096
Gates: FP-FP
Gates Global: G60152
Fittings Unlimited: Y-5000



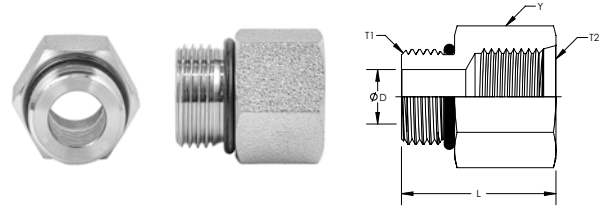
PART #	Y HEX	T1	D1	T2	D2	L
3309X02X02	0.625	1/8-27	0.332	1/8-27	0.332	0.750
3309X04X02	0.750	1/4-18	0.438	1/8-27	0.332	1.130
3309X04X04	0.750	1/4-18	0.438	1/4-18	0.438	1.130
3309X06X02	0.875	3/8-18	0.563	1/8-27	0.332	1.130
3309X06X04	0.875	3/8-18	0.563	1/4-18	0.438	1.130
3309X06X06	0.875	3/8-18	0.563	3/8-18	0.563	1.130
3309X08X04	1.125	1/2-14	0.703	1/4-18	0.438	1.500
3309X08X06	1.125	1/2-14	0.703	3/8-18	0.563	1.500
3309X08X08	1.125	1/2-14	0.703	1/2-14	0.703	1.500
3309X12X06	1.375	3/4-14	0.906	3/8-18	0.563	1.530
3309X12X08	1.375	3/4-14	0.906	1/2-14	0.703	1.530
3309X12X12	1.375	3/4-14	0.906	3/4-14	0.906	1.530
3309X16X08	1.625	1-11-1/2	1.141	1/2-14	0.703	1.890
3309X16X12	1.625	1-11-1/2	1.141	3/4-14	0.906	1.890
3309X16X16	1.625	1-11-1/2	1.141	1-11-1/2	1.141	1.890
3309X20X16	2.000	1-1/4-11-1/2	1.484	1-11-1/2	1.141	1.930
3309X20X20	2.000	1-1/4-11-1/2	1.484	1-1/4-11-1/2	1.484	1.930
3309X24X20	2.375	1-1/2-11-1/2	1.744	1-1/4-11-1/2	1.484	1.930
3309X24X24	2.375	1-1/2-11-1/2	1.744	1-1/2-11-1/2	1.744	1.930
3309X32X24	2.875	2-11-1/2	2.213	1-1/2-11-1/2	1.744	1.960
3309X32X32	2.875	2-11-1/2	2.213	2-11-1/2	2.213	1.960

STRAIGHTS

MALE ORB TO FEMALE ORB ADAPTER

WWF PART # 6410

Industry Standard: 6410
Parker: F50G5
Aeroquip: FF1010
Gates: MB-FB
Gates Global: G60340
Fittings Unlimited: Y-6410

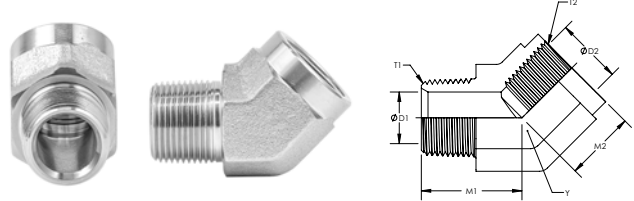


PART #	Y HEX	T1	D	T2	L
6410X04X02	0.563	7/16-20	0.172	5/16-24	1.080
6410X04X04	0.688	7/16-20	0.172	7/16-20	1.080
6410X04X06	0.813	7/16-20	0.172	9/16-18	1.240
6410X04X08	1.063	7/16-20	0.172	3/4-16	1.350
6410X05X04	0.688	1/2-20	0.234	7/16-20	1.080
6410X05X06	0.813	1/2-20	0.234	9/16-18	1.240
6410X06X04	0.688	9/16-18	0.297	7/16-20	1.120
6410X06X06	0.813	9/16-18	0.297	9/16-18	1.160
6410X06X08	1.063	9/16-18	0.297	3/4-16	1.380
6410X08X04	0.875	3/4-16	0.391	7/16-20	1.160
6410X08X06	0.875	3/4-16	0.391	9/16-18	1.160
6410X08X08	1.063	3/4-16	0.391	3/4-16	1.470
6410X08X10	1.125	3/4-16	0.391	7/8-14	1.560
6410X08X12	1.375	3/4-16	0.391	1-1/16-12	1.730
6410X10X04	1.000	7/8-14	0.484	7/16-20	0.910
6410X10X06	1.000	7/8-14	0.484	9/16-18	1.270
6410X10X08	1.063	7/8-14	0.484	3/4-16	1.380
6410X10X10	1.125	7/8-14	0.484	7/8-14	1.690
6410X10X12	1.375	7/8-14	0.484	1-1/16-12	1.790
6410X12X04	1.250	1-1/16-12	0.383	7/16-20	1.000
6410X12X06	1.250	1-1/16-12	0.609	9/16-18	1.000
6410X12X08	1.250	1-1/16-12	0.609	3/4-16	1.480
6410X12X10	1.250	1-1/16-12	0.609	7/8-14	1.570
6410X12X12	1.375	1-1/16-12	0.609	1-1/16-12	1.730
6410X12X16	1.625	1-1/16-12	0.609	1-5/16-12	1.880
6410X14X12	1.375	1-3/16-12	0.719	1-1/16-12	1.730
6410X16X08	1.500	1-5/16-12	0.844	3/4-16	1.000
6410X16X10	1.500	1-5/16-12	0.844	7/8-14	1.570
6410X16X12	1.500	1-5/16-12	0.844	1-1/16-12	1.730
6410X16X14	1.625	1-5/16-12	0.844	1-3/16-12	1.730
6410X16X16	1.625	1-5/16-12	0.844	1-5/16-12	1.730
6410X16X20	2.125	1-5/16-12	0.844	1-5/8-12	1.970
6410X20X08	1.875	1-5/8-12	1.078	3/4-16	1.000
6410X20X10	1.875	1-5/8-12	1.078	7/8-14	1.000
6410X20X12	1.875	1-5/8-12	1.078	1-1/16-12	1.000
6410X20X16	1.875	1-5/8-12	1.078	1-5/16-12	1.730
6410X20X24	2.250	1-5/8-12	1.078	1-7/8-12	1.980
6410X24X12	2.125	1-7/8-12	1.313	1-1/16-12	1.000
6410X24X16	2.125	1-7/8-12	1.313	1-5/16-12	1.730
6410X24X20	2.125	1-7/8-12	1.313	1-5/8-12	1.790
6410X32X20	2.750	2-1/2-12	1.781	1-5/8-12	1.000
6410X32X24	2.750	2-1/2-12	1.781	1-7/8-12	1.800

ELBOWS

MALE PIPE TO FEMALE PIPE 45° STREET ELBOW

WWF PART # F3359
SAE: 140339
Industry Standard: 5503
Parker: CD45
Aeroquip: 2088
Gates: FP-MP45
Gates Global: G60134
Fittings Unlimited: Y-5503-F

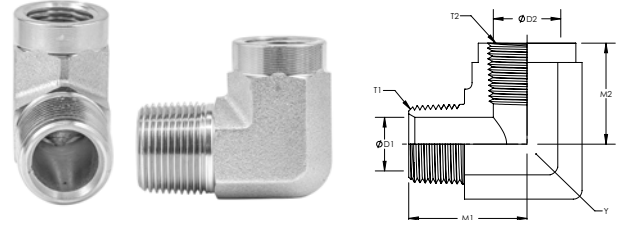


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F3359X02X02	0.563	1/8-27	0.720	0.188	1/8-27	0.470	0.332
F3359X04X04	0.750	1/4-18	1.050	0.281	1/4-18	0.620	0.438
F3359X06X06	0.875	3/8-18	1.060	0.406	3/8-18	0.720	0.563
F3359X08X08	1.063	1/2-14	1.340	0.531	1/2-14	0.910	0.703
F3359X12X12	1.313	3/4-14	1.380	0.719	3/4-14	0.970	0.906
F3359X16X16	1.625	1-11-1/2	1.720	0.938	1-11-1/2	1.120	1.141
F3359X20X20	1.875	1-1/4-11-1/2	1.800	1.250	1-1/4-11-1/2	1.630	1.484
F3359X24X24	2.562	1-1/2-11-1/2	2.060	1.500	1-1/2-11-1/2	1.690	1.744
F3359X32X32	2.812	2-11-1/2	2.150	1.938	2-11-1/2	2.190	2.213

ELBOWS

MALE PIPE TO FEMALE PIPE 90° STREET ELBOW

WWF PART # F3409
SAE: 140239
Industry Standard: 5502
Parker: CD
Aeroquip: 2089
Gates: MP-FP90
Gates Global: G60136
Fittings Unlimited: Y-5502-F



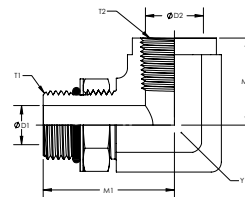
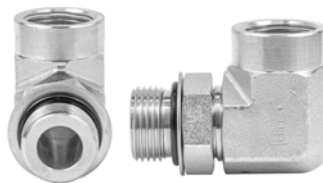
PART #	Y HEX	T1	M1	D1	T2	M2	D2
F3409X02X02	0.563	1/8-27	0.780	0.188	1/8-27	0.660	0.332
F3409X02X04	0.750	1/8-27	0.900	0.188	1/4-18	0.880	0.438
F3409X04X02	0.563	1/4-18	1.090	0.281	1/8-27	0.670	0.332
F3409X04X04	0.750	1/4-18	1.090	0.281	1/4-18	0.880	0.438
F3409X04X06	0.875	1/4-18	1.220	0.281	3/8-18	1.020	0.563
F3409X04X08	1.063	1/4-18	1.280	0.281	1/2-14	1.230	0.703
F3409X06X02	0.750	3/8-18	1.220	0.406	1/8-27	0.800	0.332
F3409X06X04	0.750	3/8-18	1.220	0.406	1/4-18	1.010	0.438
F3409X06X06	0.875	3/8-18	1.220	0.406	3/8-18	1.020	0.563
F3409X06X08	1.063	3/8-18	1.280	0.406	1/2-14	1.230	0.703
F3409X08X04	0.875	1/2-14	1.470	0.531	1/4-18	1.000	0.438
F3409X08X06	0.875	1/2-14	1.470	0.531	3/8-18	1.010	0.563
F3409X08X08	1.063	1/2-14	1.470	0.531	1/2-14	1.230	0.703
F3409X08X12	1.313	1/2-14	1.590	0.531	3/4-14	1.360	0.906
F3409X12X08	1.063	3/4-14	1.590	0.719	1/2-14	1.230	0.703
F3409X12X12	1.313	3/4-14	1.590	0.719	3/4-14	1.360	0.906
F3409X16X12	1.313	1-11-1/2	1.970	0.938	3/4-14	1.360	0.906
F3409X16X16	1.625	1-11-1/2	1.970	0.938	1-11-1/2	1.620	1.141
F3409X16X20	1.875	1-11-1/2	2.350	0.938	1-1/4-11-1/2	1.700	1.484
F3409X20X16	1.625	1-1/4-11-1/2	2.380	1.250	1-11-1/2	1.680	1.141
F3409X20X20	1.875	1-1/4-11-1/2	2.380	1.250	1-1/4-11-1/2	1.700	1.484
F3409X24X20	1.875	1-1/2-11-1/2	2.640	1.500	1-1/4-11-1/2	2.080	1.484
F3409X24X24	2.562	1-1/2-11-1/2	2.640	1.500	1-1/2-11-1/2	2.080	1.744
F3409X32X32	2.812	2-11-1/2	3.000	1.938	2-11-1/2	2.390	2.213

ELBOWS

MALE ORB TO FEMALE PIPE 90° ELBOW

WWF PART # F3459

Industry Standard: 6805
Parker: AOEG
Aeroquip: 206801
Fittings Unlimited: Y-6805-F

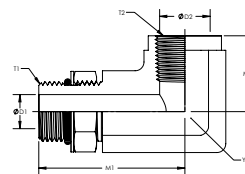


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F3459X04X02	0.563	7/16-20	1.190	0.172	1/8-27	0.660	0.332
F3459X04X04	0.750	7/16-20	1.260	0.172	1/4-18	0.880	0.438
F3459X06X04	0.750	9/16-18	1.320	0.297	1/4-18	0.880	0.438
F3459X06X06	0.875	9/16-18	1.410	0.297	3/8-18	1.020	0.563
F3459X08X06	0.875	3/4-16	1.540	0.391	3/8-18	1.020	0.563
F3459X08X08	1.063	3/4-16	1.620	0.391	1/2-14	1.230	0.703
F3459X10X06	0.875	7/8-14	1.700	0.484	3/8-18	1.020	0.563
F3459X10X08	1.063	7/8-14	1.780	0.484	1/2-14	1.230	0.703
F3459X12X08	1.063	1-1/16-12	1.940	0.609	1/2-14	1.230	0.703
F3459X12X12	1.313	1-1/16-12	2.050	0.609	3/4-14	1.360	0.906
F3459X14X12	1.313	1-3/16-12	2.000	0.719	3/4-14	1.360	0.906
F3459X16X12	1.313	1-5/16-12	2.050	0.844	3/4-14	1.360	0.906
F3459X16X16	1.625	1-5/16-12	2.250	0.844	1-11-1/2	1.620	1.141
F3459X20X20	1.875	1-5/8-12	2.390	1.078	1-1/4-11-1/2	1.700	1.484
F3459X24X24	2.562	1-7/8-12	2.890	1.313	1-1/2-11-1/2	2.080	1.744

MALE ORB TO FEMALE PIPE 90° ELBOW LONG

WWF PART # F3469

Industry Standard: 6805-L
Parker: AOE4G
Aeroquip: 206804
Fittings Unlimited: Y-6805-F-LL

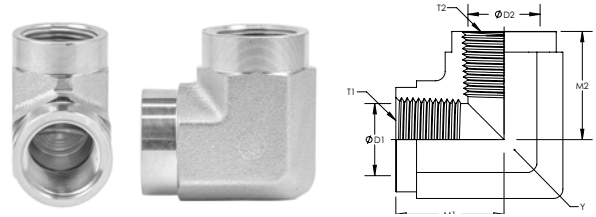


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F3469X08X08	1.063	3/4-16	2.100	0.391	1/2-14	1.230	0.703
F3469X10X08	1.063	7/8-14	2.260	0.484	1/2-14	1.230	0.703
F3469X12X12	1.313	1-1/16-12	2.620	0.609	3/4-14	1.360	0.906
F3469X16X16	1.625	1-5/16-12	3.060	0.844	1-11-1/2	1.620	1.141

ELBOWS

FEMALE PIPE TO FEMALE PIPE 90° ELBOW

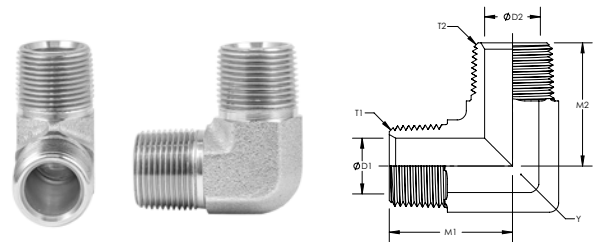
WWF PART # F3509
SAE: 140238
Industry Standard: 5504
Parker: DD
Aeroquip: 2087
Gates: FP-FP90
Gates Global: G60156
Fittings Unlimited: Y-5504-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2
F3509X02X02	0.563	1/8-27	0.660	0.332	1/8-27	0.660	0.332
F3509X04X02	0.750	1/4-18	0.880	0.438	1/8-27	0.670	0.332
F3509X04X04	0.750	1/4-18	0.880	0.438	1/4-18	0.880	0.438
F3509X06X04	0.875	3/8-18	1.020	0.563	1/4-18	1.010	0.438
F3509X06X06	0.875	3/8-18	1.020	0.563	3/8-18	1.020	0.563
F3509X08X04	1.063	1/2-14	1.230	0.703	1/4-18	1.000	0.438
F3509X08X06	1.063	1/2-14	1.230	0.703	3/8-18	1.010	0.563
F3509X08X08	1.063	1/2-14	1.230	0.703	1/2-14	1.230	0.703
F3509X12X08	1.313	3/4-14	1.360	0.906	1/2-14	1.350	0.703
F3509X12X12	1.313	3/4-14	1.360	0.906	3/4-14	1.360	0.906
F3509X16X12	1.625	1-11-1/2	1.620	1.141	3/4-14	1.620	0.906
F3509X16X16	1.625	1-11-1/2	1.620	1.141	1-11-1/2	1.620	1.141
F3509X20X20	1.875	1-1/4-11-1/2	1.700	1.484	1-1/4-11-1/2	1.700	1.484
F3509X24X24	2.562	1-1/2-11-1/2	2.080	1.744	1-1/2-11-1/2	2.080	1.744

MALE PIPE TO MALE PIPE 90° ELBOW

WWF PART # F3529
SAE: 140237
Industry Standard: 5500
Parker: CR
Aeroquip: 2085
Gates: MP-MP90
Gates Global: G60115
Fittings Unlimited: Y-5500-F



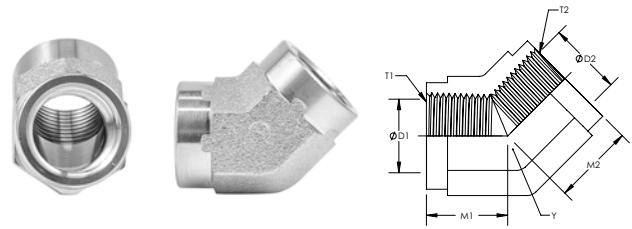
PART #	Y HEX	T1	M1	D1	T2	M2	D2
F3529X02X02	0.438	1/8-27	0.780	0.188	1/8-27	0.780	0.188
F3529X04X02	0.563	1/4-18	1.090	0.281	1/8-27	0.900	0.188
F3529X04X04	0.563	1/4-18	1.090	0.281	1/4-18	1.090	0.281
F3529X06X04	0.750	3/8-18	1.220	0.406	1/4-18	1.220	0.281
F3529X06X06	0.750	3/8-18	1.220	0.406	3/8-18	1.220	0.406
F3529X08X04	0.875	1/2-14	1.470	0.531	1/4-18	1.280	0.281
F3529X08X06	0.875	1/2-14	1.470	0.531	3/8-18	1.280	0.406
F3529X08X08	0.875	1/2-14	1.470	0.531	1/2-14	1.470	0.531
F3529X12X08	1.063	3/4-14	1.590	0.719	1/2-14	1.590	0.531
F3529X12X12	1.063	3/4-14	1.590	0.719	3/4-14	1.590	0.719
F3529X16X08	1.313	1-11-1/2	1.970	0.938	1/2-14	1.780	0.531
F3529X16X12	1.313	1-11-1/2	1.970	0.938	3/4-14	1.780	0.719
F3529X16X16	1.313	1-11-1/2	1.970	0.938	1-11-1/2	1.970	0.938
F3529X20X20	1.625	1-1/4-11-1/2	2.380	1.250	1-1/4-11-1/2	2.380	1.250
F3529X24X24	1.875	1-1/2-11-1/2	2.640	1.500	1-1/2-11-1/2	2.640	1.500

ELBOWS

FEMALE PIPE TO FEMALE PIPE 45° ELBOW

WWF PART # F3559
SAE: 140338

Industry Standard: 5505
Parker: DD45
Aeroquip: 2086
Fittings Unlimited: Y-5505-F

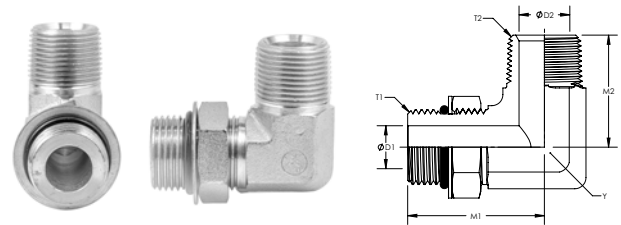


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F3559X02X02	0.563	1/8-27	0.500	0.332	1/8-27	0.500	0.332
F3559X04X04	0.750	1/4-18	0.690	0.438	1/4-18	0.690	0.438
F3559X06X06	0.875	3/8-18	0.750	0.563	3/8-18	0.750	0.563
F3559X08X08	1.063	1/2-14	0.940	0.703	1/2-14	0.940	0.703
F3559X12X12	1.313	3/4-14	1.000	0.906	3/4-14	1.000	0.906
F3559X16X16	1.625	1-11-1/2	1.190	1.141	1-11-1/2	1.190	1.141

MALE ORB TO MALE PIPE 90° ELBOW

WWF PART # F3569

Industry Standard: 6806
Parker: AOE
Fittings Unlimited: Y-6806-F



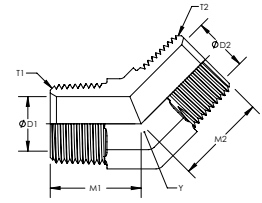
PART #	Y HEX	T1	M1	D1	T2	M2	D2
F3569X04X02	0.438	7/16-20	1.030	0.172	1/8-27	0.780	0.188
F3569X04X04	0.563	7/16-20	1.190	0.172	1/4-18	1.090	0.281
F3569X05X02	0.563	1/2-20	1.130	0.234	1/8-27	0.780	0.188
F3569X06X04	0.563	9/16-18	1.250	0.297	1/4-18	1.090	0.281
F3569X06X06	0.750	9/16-18	1.320	0.297	3/8-18	1.220	0.406
F3569X06X08	0.875	9/16-18	1.410	0.297	1/2-14	1.470	0.531
F3569X08X06	0.750	3/4-16	1.450	0.391	3/8-18	1.220	0.406
F3569X08X08	0.875	3/4-16	1.540	0.391	1/2-14	1.470	0.531
F3569X10X08	0.875	7/8-14	1.700	0.484	1/2-14	1.470	0.531
F3569X12X12	1.063	1-1/16-12	1.940	0.609	3/4-14	1.590	0.719
F3569X14X12	1.313	1-3/16-12	2.000	0.719	3/4-14	1.690	0.719
F3569X16X12	1.313	1-5/16-12	2.050	0.844	3/4-14	1.780	0.719
F3569X16X16	1.313	1-5/16-12	2.050	0.844	1-11-1/2	1.970	0.938
F3569X20X20	1.625	1-5/8-12	2.250	1.078	1-1/4-11-1/2	2.380	1.250
F3569X24X24	1.875	1-7/8-12	2.390	1.313	1-1/2-11-1/2	2.640	1.500
F3569X32X32	2.500	2-1/2-12	2.890	1.781	2-11-1/2	3.000	1.938

ELBOWS

MALE PIPE TO MALE PIPE 45° ELBOW

WWF PART # 5501

Industry Standard: 5501
Parker: CR45
Aeroquip: 2247
Fittings Unlimited: Y-5501-F

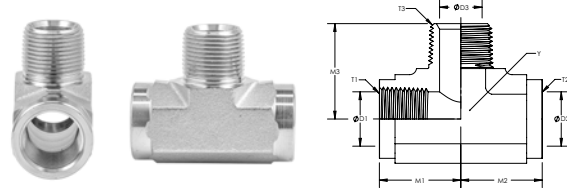


PART #	Y HEX	T1	M1	D1	T2	M2	D2
5501X04X04	0.563	1/4-18	0.860	0.281	1/4-18	0.860	0.281
5501X06X06	0.750	3/8-18	0.950	0.406	3/8-18	0.950	0.406
5501X08X08	0.875	1/2-14	1.170	0.531	1/2-14	1.170	0.531
5501X12X12	1.063	3/4-14	1.200	0.719	3/4-14	1.200	0.719
5501X16X16	1.313	1-11-1/2	1.480	0.938	1-11-1/2	1.480	0.938
5501X20X20	1.625	1-1/4-11-1/2	1.670	1.250	1-1/4-11-1/2	1.670	1.250
5501X24X24	1.875	1-1/2-11-1/2	1.770	1.500	1-1/2-11-1/2	1.770	1.500

TEES

FEMALE PIPE TO MALE PIPE BRANCH TEE

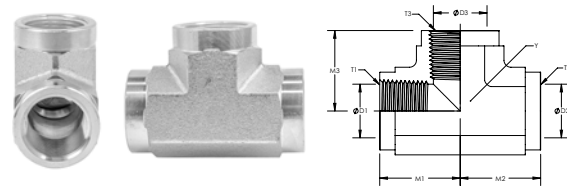
WWF PART # F3609
SAE: 140425
 Industry Standard: 5604
 Parker: MMS
 Aeroquip: 2091
 Gates: FP-FP-MP
 Gates Global: G60183
 Fittings Unlimited: Y-5604-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F3609X02X02X02	0.563	1/8-27	0.660	0.332	1/8-27	0.660	0.332	1/8-27	0.780	0.188
F3609X04X04X04	0.750	1/4-18	0.880	0.438	1/4-18	0.880	0.438	1/4-18	1.090	0.281
F3609X06X06X06	0.875	3/8-18	1.020	0.563	3/8-18	1.020	0.563	3/8-18	1.220	0.406
F3609X08X08X08	1.063	1/2-14	1.230	0.703	1/2-14	1.230	0.703	1/2-14	1.470	0.531
F3609X12X12X12	1.313	3/4-14	1.360	0.906	3/4-14	1.360	0.906	3/4-14	1.590	0.719
F3609X16X16X16	1.625	1-11-1/2	1.620	1.141	1-11-1/2	1.620	1.141	1-11-1/2	1.970	0.938
F3609X20X20X20	1.875	1-1/4-11-1/2	1.700	1.484	1-1/4-11-1/2	1.700	1.484	1-1/4-11-1/2	2.380	1.250
F3609X24X24X24	2.562	1-1/2-11-1/2	2.080	1.744	1-1/2-11-1/2	2.080	1.744	1-1/2-11-1/2	2.640	1.500

FEMALE PIPE TEE

WWF PART # F3709
SAE: 140438
 Industry Standard: 5605
 Parker: MMO
 Aeroquip: 2090
 Gates: FP-FP-FP
 Gates Global: G60181
 Fittings Unlimited: Y-5605-F

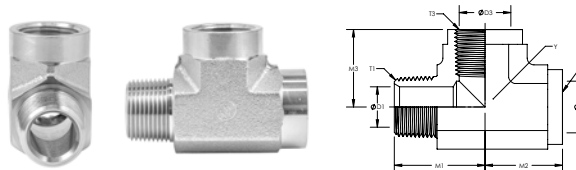


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F3709X02X02X02	0.563	1/8-27	0.660	0.332	1/8-27	0.660	0.332	1/8-27	0.660	0.332
F3709X04X04X04	0.750	1/4-18	0.880	0.438	1/4-18	0.880	0.438	1/4-18	0.880	0.438
F3709X06X04X06	0.875	3/8-18	1.020	0.563	1/4-18	1.010	0.438	3/8-18	1.020	0.563
F3709X06X06X06	0.875	3/8-18	1.020	0.563	3/8-18	1.020	0.563	3/8-18	1.020	0.563
F3709X08X08X04	1.063	1/2-14	1.230	0.703	1/2-14	1.230	0.703	1/4-18	0.880	0.438
F3709X08X08X08	1.063	1/2-14	1.230	0.703	1/2-14	1.230	0.703	1/2-14	1.230	0.703
F3709X12X12X12	1.313	3/4-14	1.360	0.906	3/4-14	1.360	0.906	3/4-14	1.360	0.906
F3709X16X16X16	1.625	1-11-1/2	1.620	1.141	1-11-1/2	1.620	1.141	1-11-1/2	1.620	1.141
F3709X20X20X20	1.875	1-1/4-11-1/2	1.700	1.484	1-1/4-11-1/2	1.700	1.484	1-1/4-11-1/2	1.700	1.484
F3709X24X24X24	2.562	1-1/2-11-1/2	2.080	1.744	1-1/2-11-1/2	2.080	1.744	1-1/2-11-1/2	2.080	1.744
F3709X32X32X32	2.812	2-11-1/2	2.390	2.213	2-11-1/2	2.390	2.213	2-11-1/2	2.390	2.213

TEES

MALE PIPE RUN TEE

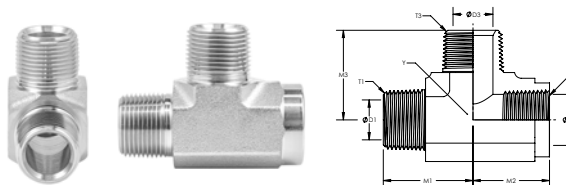
WWF PART # F3759
SAE: 140424
 Industry Standard: 5602
 Parker: MRO
 Aeroquip: 2092
 Gates: MP-FP-FP
 Fittings Unlimited: Y-5602-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F3759X02X02X02	0.563	1/8-27	0.780	0.188	1/8-27	0.660	0.332	1/8-27	0.660	0.332
F3759X02X04X04	0.750	1/8-27	0.902	0.188	1/4-18	0.880	0.438	1/4-18	0.880	0.438
F3759X04X04X04	0.750	1/4-18	1.090	0.281	1/4-18	0.880	0.438	1/4-18	0.880	0.438
F3759X06X06X06	0.875	3/8-18	1.220	0.406	3/8-18	1.020	0.563	3/8-18	1.020	0.563
F3759X08X08X08	1.063	1/2-14	1.470	0.531	1/2-14	1.230	0.703	1/2-14	1.230	0.703
F3759X12X12X12	1.313	3/4-14	1.590	0.719	3/4-14	1.360	0.906	3/4-14	1.360	0.906
F3759X16X16X16	1.625	1-11-1/2	1.970	0.938	1-11-1/2	1.620	1.141	1-11-1/2	1.620	1.141
F3759X20X20X20	1.875	1-1/4-11-1/2	2.380	1.250	1-1/4-11-1/2	1.700	1.484	1-1/4-11-1/2	1.700	1.484
F3759X24X24X24	2.562	1-1/2-11-1/2	2.640	1.500	1-1/2-11-1/2	2.080	1.744	1-1/2-11-1/2	2.080	1.744

FEMALE PIPE RUN TEE

WWF PART # F3809
 Industry Standard: 5603
 Aeroquip: 2093
 Fittings Unlimited: Y-5603-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F3809X02X02X02	0.563	1/8-27	0.780	0.188	1/8-27	0.660	0.332	1/8-27	0.780	0.188
F3809X04X04X04	0.750	1/4-18	1.090	0.281	1/4-18	0.880	0.438	1/4-18	1.090	0.281
F3809X06X06X06	0.875	3/8-18	1.220	0.406	3/8-18	1.020	0.563	3/8-18	1.220	0.406
F3809X08X08X08	1.063	1/2-14	1.470	0.531	1/2-14	1.230	0.703	1/2-14	1.470	0.531
F3809X12X12X12	1.313	3/4-14	1.590	0.719	3/4-14	1.360	0.906	3/4-14	1.590	0.719
F3809X16X16X16	1.625	1-11-1/2	1.970	0.938	1-11-1/2	1.620	1.141	1-11-1/2	1.970	0.938
F3809X20X20X20	1.875	1-1/4-11-1/2	2.380	1.250	1-1/4-11-1/2	1.700	1.484	1-1/4-11-1/2	2.380	1.250
F3809X24X24X24	2.562	1-1/2-11-1/2	2.640	1.500	1-1/2-11-1/2	2.080	1.744	1-1/2-11-1/2	2.640	1.500

TEES

MALE PIPE TEE

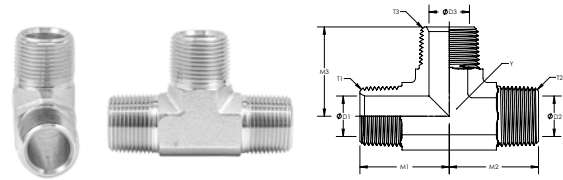
WWF PART # 5600

Industry Standard: 5600

Parker: RRS

Aeroquip: 2257

Fittings unlimited: Y-5600-F

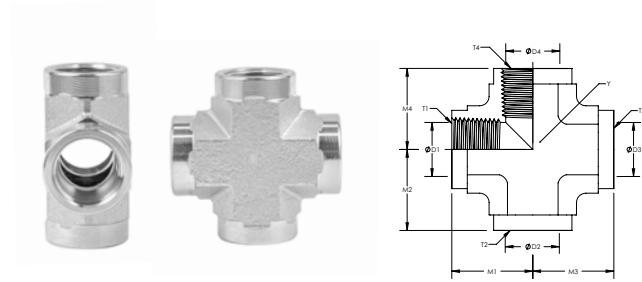


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
5600X02X02X02	0.438	1/8-27	0.780	0.188	1/8-27	0.780	0.188	1/8-27	0.780	0.188
5600X04X04X04	0.563	1/4-18	1.090	0.281	1/4-18	1.090	0.281	1/4-18	1.090	0.281
5600X06X06X06	0.750	3/8-18	1.220	0.406	3/8-18	1.220	0.406	3/8-18	1.220	0.406
5600X08X08X08	0.875	1/2-14	1.470	0.531	1/2-14	1.470	0.531	1/2-14	1.470	0.531
5600X12X12X12	1.063	3/4-14	1.590	0.719	3/4-14	1.590	0.719	3/4-14	1.590	0.719
5600X16X16X16	1.313	1-11-1/2	1.970	0.938	1-11-1/2	1.970	0.938	1-11-1/2	1.970	0.938

CROSSES

FEMALE PIPE CROSS

WWF PART # F3959
SAE: 140538
Industry Standard: 5652
Parker: KMMOO
Aeroquip: 2080
Fittings Unlimited: Y-5652-F



PART #	Y HEX	T1 / T3	M1 / M3	D1 / D3	T2 / T4	M2 / M4	D2 / D4
F3959X02X02X02X02	0.563	1/8-27	0.660	0.332	1/8-27	0.660	0.332
F3959X04X04X04X04	0.750	1/4-18	0.880	0.438	1/4-18	0.880	0.438
F3959X06X06X06X06	0.875	3/8-18	1.020	0.563	3/8-18	1.020	0.563
F3959X08X08X08X08	1.063	1/2-14	1.230	0.703	1/2-14	1.230	0.703
F3959X12X12X12X12	1.313	3/4-14	1.360	0.906	3/4-14	1.360	0.906
F3959X16X16X16X16	1.625	1-11-1/2	1.620	1.141	1-11-1/2	1.620	1.141
F3959X20X20X20X20	1.875	1-1/4-11-1/2	1.700	1.484	1-1/4-11-1/2	1.700	1.484
F3959X24X24X24X24	2.562	1-1/2-11-1/2	2.080	1.744	1-1/2-11-1/2	2.080	1.744
F3959X32X32X32X32	2.812	2-11-1/2	2.390	2.213	2-11-1/2	2.390	2.213

**WORLD
WIDE**

37° FLARE (JIC) FITTINGS



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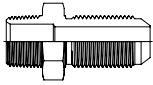
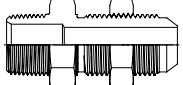
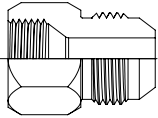
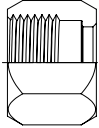
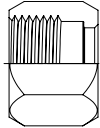
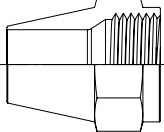
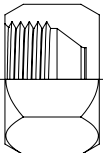

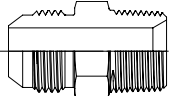
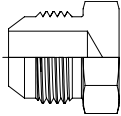
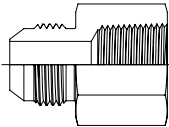
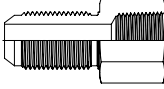
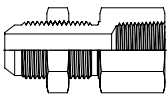
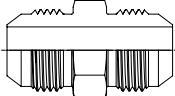
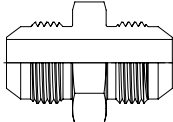
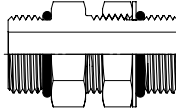
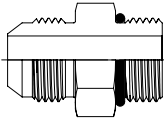
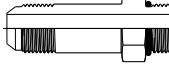
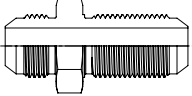

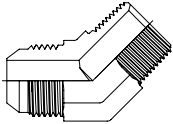
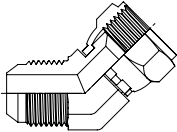
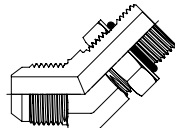
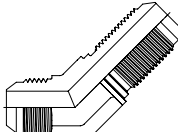
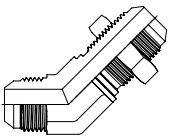
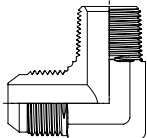
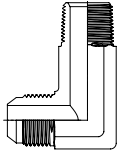
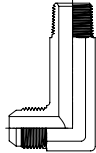
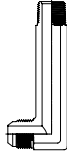
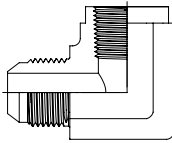
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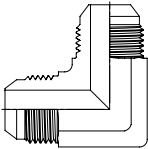
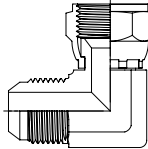
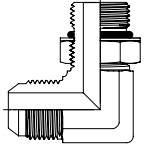
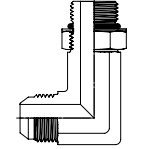
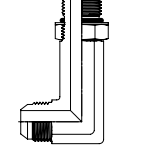
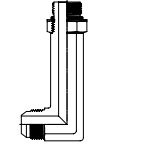
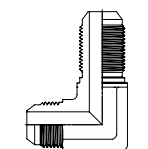
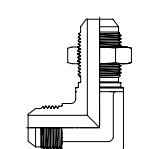
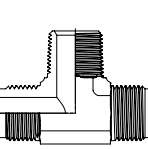
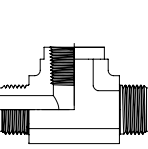
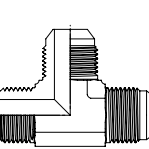
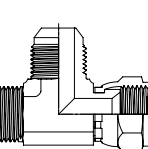
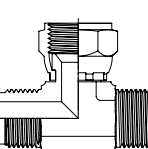
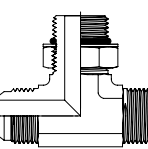
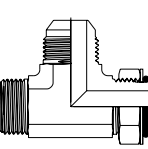
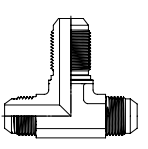
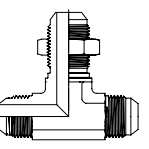
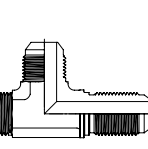
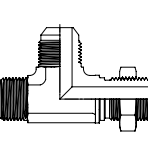
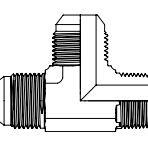
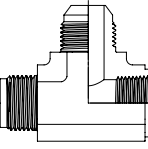
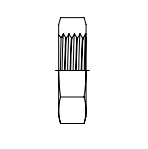
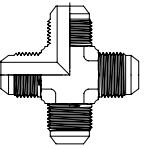
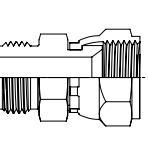
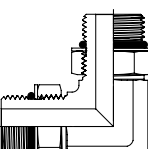
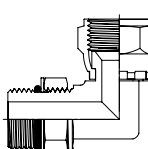
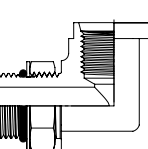
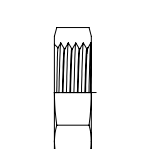
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<p>2706</p>  <p>Male JIC to Male Pipe Bulkhead</p>	<p>2706LN</p>  <p>Male JIC to Male Pipe Bulkhead With Locknut</p>	<p>5015</p>  <p>JIC Tube End Reducer (1 Piece)</p>	<p>5105T</p>  <p>JIC Tube Nut Trivalent Plated</p>	<p>5105MH</p>  <p>JIC Tube Nut Metric Hex</p>	<p>5115</p>  <p>JIC Nut Long</p>
<p>5129</p>  <p>JIC Cap</p>	<p>5165</p>  <p>JIC Sleeve</p>	<p>5205</p>  <p>Male JIC to Male Pipe Connector</p>	<p>5229</p>  <p>JIC Plug</p>	<p>5255</p>  <p>Male JIC to Female Pipe Connector</p>	<p>5275</p>  <p>Male Jic to Female Pipe Bulkhead Connector</p>
<p>5275LN</p>  <p>Male JIC to Female Pipe Bulkhead Connector With Locknut</p>	<p>5305</p>  <p>JIC Union</p>	<p>5306</p>  <p>Large Hex JIC Union</p>	<p>5314</p>  <p>Male Adjustable ORB Union</p>	<p>5315</p>  <p>Male JIC to Male ORB Connector</p>	<p>5316</p>  <p>Male JIC to Male ORB Connector Long</p>
<p>5325</p>  <p>JIC Bulkhead Union</p>	<p>5325LN</p>  <p>JIC Bulkhead Union With Locknut</p>	<p>F5355</p>  <p>Male JIC to Male Pipe 45° Elbow</p>	<p>F5356</p>  <p>Male JIC to Female Pipe Swivel 45° Elbow</p>	<p>F5365</p>  <p>Male JIC to Male ORB 45° Elbow</p>	<p>F5375</p>  <p>Male JIC to Male ORB 45° Elbow</p>
<p>F5375LN</p>  <p>Male JIC to Male JIC Bulkhead Union 45° Elbow with Locknut</p>	<p>F5405</p>  <p>Male JIC to Male Pipe 90° Elbow</p>	<p>F5425</p>  <p>Male JIC to Male Pipe 90° Elbow Long</p>	<p>F5435</p>  <p>Male JIC to Male Pipe 90° Elbow Extra Long</p>	<p>F5445</p>  <p>Male JIC to Male Pipe 90° Elbow Extra Extra Long</p>	<p>F5455</p>  <p>Male JIC to Female Pipe 90° Elbow</p>

Continued >

37° FLARE (JIC) FITTINGS INDEX

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<p>F5505</p>  <p>Male JIC Union 90° Elbow</p>	<p>F5506</p>  <p>Male JIC to Female JIC Swivel 90° Elbow</p>	<p>F5515</p>  <p>Male JIC to Male ORB 90° Elbow</p>	<p>F5515L</p>  <p>Male JIC to Male ORB 90° Elbow Long</p>	<p>F5515LL</p>  <p>Male JIC to Male ORB 90° Elbow Extra Long</p>	<p>F5515LLL</p>  <p>Male JIC to Male ORB 90° Elbow Extra Extra Long</p>
<p>F5525</p>  <p>Male JIC to Male JIC Bulkhead 90° Union Elbow</p>	<p>F5525LN</p>  <p>Male JIC to Male JIC Bulkhead 90° Union Elbow With Locknut</p>	<p>F5605</p>  <p>Male JIC to Male Pipe Branch Tee</p>	<p>F5655</p>  <p>Male JIC to Female Pipe Branch Tee</p>	<p>F5705</p>  <p>Male JIC Union Tee</p>	<p>F5706</p>  <p>Male JIC to Female JIC Swivel Run Tee</p>
<p>F5707</p>  <p>Male JIC to Female JIC Swivel Branch Tee</p>	<p>F5715</p>  <p>Male JIC to Male ORB Branch Tee</p>	<p>F5716</p>  <p>Male JIC to Male ORB Run Tee</p>	<p>F5725</p>  <p>Male JIC Bulkhead Branch Tee</p>	<p>F5725LN</p>  <p>Male JIC Bulkhead Branch Tee With Locknut</p>	<p>F5726</p>  <p>Male JIC Bulkhead Run Tee</p>
<p>F5726LN</p>  <p>Male JIC Bulkhead Run Tee With Locknut</p>	<p>F5755</p>  <p>Male JIC to Male Pipe Run Tee</p>	<p>F5805</p>  <p>Male JIC to Female Pipe Run Tee</p>	<p>5924</p>  <p>Bulkhead Locknut</p>	<p>F5955</p>  <p>Male JIC Cross</p>	<p>6504</p>  <p>Male JIC to Female JIC Swivel</p>
<p>6807</p>  <p>Male Adjustable ORB Union Elbow</p>	<p>6809</p>  <p>Male Adjustable ORB to Female JIC Swivel 90° Elbow</p>	<p>6815</p>  <p>Male Adjustable ORB to Female ORB 90° Elbow</p>	<p>8924</p>  <p>Straight Thread Locknut</p>		

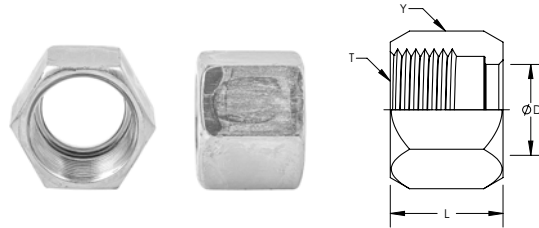
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JIC TUBE NUT - TRIVALENT PLATED

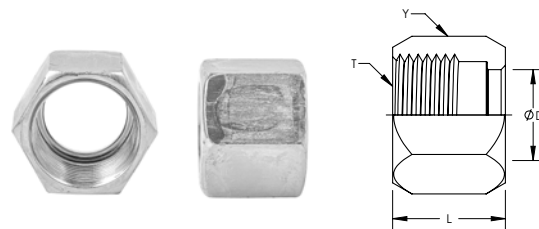
WWF PART # 5105T
SAE: 070110
Industry Standard 0318
Parker: BTX
Aeroquip: 1290
Gates: TSN
Gates Global: G60395
Fittings Unlimited: Y-0318



PART #	Y HEX	T	D	L
5105X02T	0.375	5/16-24	0.179	0.550
5105X03T	0.438	3/8-24	0.241	0.610
5105X04CFT	0.563	7/16-20	0.304	0.620
5105X05CFT	0.625	1/2-20	0.373	0.680
5105X06CFT	0.688	9/16-18	0.439	0.730
5105X08CFT	0.875	3/4-16	0.568	0.850
5105X10CFT	1.000	7/8-14	0.696	0.980
5105X12CFT	1.250	1-1/16-12	0.832	1.030
5105X14CFT	1.375	1-3/16-12	0.959	1.090
5105X16CFT	1.500	1-5/16-12	1.087	1.130
5105X20CFT	2.000	1-5/8-12	1.344	1.230
5105X24CFT	2.250	1-7/8-12	1.614	1.420
5105X32CFT	2.875	2-1/2-12	2.164	1.750

JIC TUBE NUT - METRIC HEX - TRIVALENT PLATED

WWF PART # 5105MH
Industry Standard: M0318
Air-Way: M318



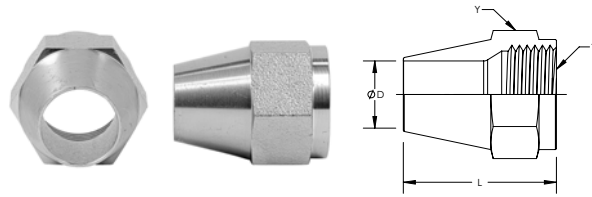
PART #	Y HEX	T	D	L
5105X04MHT	0.551	7/16-20	0.304	0.620
5105X05MHT	0.669	1/2-20	0.373	0.680
5105X06MHT	0.748	9/16-18	0.439	0.730
5105X08MHT	0.866	3/4-16	0.568	0.850
5105X10MHT	1.063	7/8-14	0.696	0.980
5105X12MHT	1.260	1-1/16-12	0.832	1.030
5105X16MHT	1.614	1-5/16-12	1.087	1.130
5105X20MHT	1.969	1-5/8-12	1.344	1.230
5105X24MHT	2.362	1-7/8-12	1.614	1.420
5105X32MHT	2.952	2-1/2-12	2.164	1.750
5105X20CFT	2.000	1-5/8-12	1.344	1.230
5105X24CFT	2.250	1-7/8-12	1.614	1.420
5105X32CFT	2.875	2-1/2-12	2.164	1.750

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JIC NUT - LONG

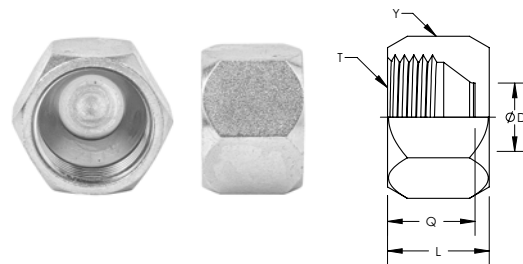
WWF PART # 5115
SAE: 070111
Industry Standard: 0304
Aeroquip: 221000
Fittings Unlimited: Y-0304



PART #	Y HEX	T	D	L
5115X03	0.438	3/8-24	0.193	0.940
5115X04	0.563	7/16-20	0.255	1.000
5115X05	0.625	1/2-20	0.318	1.060
5115X06	0.688	9/16-18	0.380	1.090
5115X08	0.875	3/4-16	0.505	1.280
5115X10	1.000	7/8-14	0.631	1.480
5115X12	1.250	1-1/16-12	0.756	1.660
5115X14	1.375	1-3/16-12	0.881	1.810
5115X16	1.500	1-5/16-12	1.006	1.940
5115X20	2.000	1-5/8-12	1.260	2.190
5115X24	2.250	1-7/8-12	1.510	2.310
5115X32	2.875	2-1/2-12	2.014	2.750

JIC CAP

WWF PART # 5129
SAE: 070112
Industry Standard: 0304-C
Parker: FNTX
Aeroquip: 210292
Gates: FJ-CAP
Gates Global: G60401



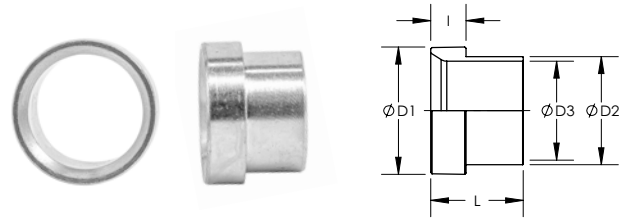
PART #	Y HEX	T	D	Q	L
5129X02	0.375	5/16-24	0.063	0.438	0.500
5129X03	0.438	3/8-24	0.125	0.500	0.563
5129X04CF	0.563	7/16-20	0.172	0.531	0.594
5129X05	0.625	1/2-20	0.234	0.547	0.609
5129X06CF	0.688	9/16-18	0.297	0.563	0.625
5129X08CF	0.875	3/4-16	0.391	0.625	0.750
5129X10CF	1.000	7/8-14	0.484	0.719	0.844
5129X12CF	1.250	1-1/16-12	0.609	0.781	0.906
5129X14	1.375	1-3/16-12	0.719	0.844	0.969
5129X16CF	1.500	1-5/16-12	0.844	0.859	1.016
5129X20CF	2.000	1-5/8-12	1.078	0.906	1.063
5129X24CF	2.250	1-7/8-12	1.313	1.031	1.188
5129X32CF	2.875	2-1/2-12	1.781	1.281	1.438

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JIC SLEEVE

WWF PART # 5165
SAE: 070115
 Industry Standard: 0319
 Parker: TX
 Aeroquip: 900605
 Gates: TS
 Gates Global: G60394
 Fittings Unlimited: Y-0319



PART #	D1	D2	D3	I	L
5165X02T	0.267	0.172	0.130	0.120	0.340
5165X03T	0.329	0.234	0.193	0.140	0.340
5165X04CFT	0.383	0.297	0.255	0.140	0.410
5165X05CFT	0.445	0.366	0.318	0.160	0.440
5165X06CFT	0.502	0.432	0.380	0.170	0.500
5165X08CFT	0.682	0.563	0.505	0.220	0.560
5165X10CFT	0.797	0.690	0.631	0.240	0.660
5165X12CFT	0.972	0.826	0.756	0.260	0.680
5165X14CFT	1.097	0.953	0.881	0.260	0.760
5165X16CFT	1.222	1.081	1.006	0.280	0.780
5165X20CFT	1.534	1.339	1.260	0.310	0.910
5165X24CFT	1.784	1.609	1.510	0.340	1.120
5165X32CFT	2.409	2.159	2.014	0.410	1.190

BULKHEAD LOCKNUT

WWF PART # 5924
SAE: 070118
 Industry Standard: 0306
 Air-Way: 306
 Parker: WLN
 Aeroquip: 210212
 Gates: LN-SH
 Gates Global: G60399
 Fittings Unlimited: Y-0306



PART #	Y HEX	T	L
5924X02T	0.563	5/16-24	0.220
5924X03T	0.625	3/8-24	0.220
5924X04CFT	0.688	7/16-20	0.280
5924X05CFT	0.750	1/2-20	0.280
5924X06CFT	0.813	9/16-18	0.270
5924X08CFT	1.000	3/4-16	0.310
5924X10CFT	1.125	7/8-14	0.360
5924X12CFT	1.375	1-1/16-12	0.410
5924X14T	1.500	1-3/16-12	0.410
5924X16CFT	1.625	1-5/16-12	0.410
8924X20T	1.875	1-5/8-12	0.410
8924X24T	2.125	1-7/8-12	0.410
8924X32T	2.750	2-1/2-12	0.410

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STRAIGHT THREAD LOCKNUT

WWF PART # 8924
SAE: 070117
Industry Standard: 0306-N
Air-Way: 306-N
Aeroquip: 210295



PART #	Y HEX	T	L
8924X02T	0.438	5/16-24	0.220
8924X04T	0.563	7/16-20	0.280
8924X05T	0.625	1/2-20	0.280
8924X06T	0.688	9/16-18	0.270
8924X08T	0.875	3/4-16	0.310
8924X10T	1.000	7/8-14	0.360
8924X12T	1.250	1-1/16-12	0.410
8924X14T	1.375	1-3/16-12	0.410
8924X16T	1.500	1-5/16-12	0.410
8924X20T	1.875	1-5/8-12	0.410
8924X24T	2.125	1-7/8-12	0.410
8924X32T	2.750	2-1/2-12	0.410

STRAIGHTS

MALE JIC TO MALE PIPE BULKHEAD

WWF PART # 2706

Industry Standard: 2706
Parker: WFTX
Aeroquip: 2240-1
Fittings Unlimited: Y-2706



PART #	Y HEX	T1	D1	T2	D2	L
2706X02X04	0.688	1/8-27	0.188	7/16-20	0.172	1.900
2706X04X04	0.688	1/4-18	0.281	7/16-20	0.172	2.080
2706X06X06	0.813	3/8-18	0.406	9/16-18	0.297	2.184
2706X08X08	1.000	1/2-14	0.531	3/4-16	0.391	2.560
2706X08X10	1.125	1/2-14	0.484	7/8-14	0.484	2.800
2706X12X12	1.375	3/4-14	0.719	1-1/16-12	0.609	2.976
2706X16X16	1.625	1-11-1/2	0.938	1-5/16-12	0.844	3.169
2706X24X24	2.125	1-1/2-11-1/2	1.500	1-7/8-12	1.313	3.437

MALE JIC TO MALE PIPE BULKHEAD WITH LOCKNUT

WWF PART # 2706LN

Industry Standard: 2706-LN
Parker: WFTX-WLN
Aeroquip: 2240
Gates: MJBKHD-MP
Gates Global: G60541
Fittings Unlimited: Y-2706-LN



PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
2706X02X04LN	0.688	0.688	1/8-27	0.188	7/16-20	0.172	1.900
2706X04X04LN	0.688	0.688	1/4-18	0.281	7/16-20	0.172	2.080
2706X06X06LN	0.813	0.813	3/8-18	0.406	9/16-18	0.297	2.184
2706X08X08LN	1.000	1.000	1/2-14	0.531	3/4-16	0.391	2.560
2706X08X10LN	1.125	1.125	1/2-14	0.484	1/2-14	0.484	2.800
2706X12X12LN	1.375	1.375	3/4-14	0.719	1-1/16-12	0.609	2.976
2706X16X16LN	1.625	1.625	1-11-1/2	0.938	1-5/16-12	0.844	3.169
2706X24X24LN	2.125	2.125	1-1/2-11-1/2	1.500	1-7/8-12	1.313	3.437

STRAIGHTS

JIC TUBE END REDUCER (1 Piece)

WWF PART # 5015
SAE: 070123
Industry Standard: 2406
Parker: TRTX
Aeroquip: 2215
Gates: MJ-FJ
Gates Global: G60420
Fittings Unlimited: Y-2406

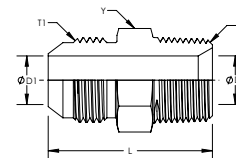
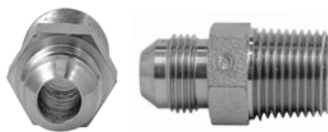


PART #	Y HEX	T1	D	T2	L
5015X03X04	0.500	3/8-24	0.126	7/16-20	1.114
5015X04X02	0.563	7/16-20	0.063	5/16-24	1.042
5015X04X06	0.688	7/16-20	0.172	9/16-18	1.150
5015X04X08	0.813	7/16-20	0.391	3/4-16	1.251
5015X05X04	0.625	1/2-20	0.172	7/16-20	1.159
5015X06X04	0.688	9/16-18	0.172	7/16-20	1.175
5015X06X06	0.688	9/16-18	0.297	9/16-18	1.181
5015X06X08	0.813	9/16-18	0.297	3/4-16	1.282
5015X08X04	0.875	3/4-16	0.172	7/16-20	1.300
5015X08X06	0.875	3/4-16	0.297	9/16-18	1.306
5015X08X10	0.938	3/4-16	0.391	7/8-14	1.508
5015X08X12	1.125	3/4-16	0.609	1-1/16-12	1.614
5015X08X16	1.375	3/4-16	0.844	1-5/16-12	1.661
5015X10X04	1.000	7/8-14	0.172	7/16-20	1.394
5015X10X06	1.000	7/8-14	0.297	9/16-18	1.400
5015X10X08	1.000	7/8-14	0.391	3/4-16	1.501
5015X10X12	1.125	7/8-14	0.484	1-1/16-12	1.708
5015X12X04	1.250	1-1/16-12	0.172	7/16-20	1.456
5015X12X06	1.250	1-1/16-12	0.297	9/16-18	1.462
5015X12X08	1.250	1-1/16-12	0.391	3/4-16	1.563
5015X12X10	1.250	1-1/16-12	0.484	7/8-14	1.664
5015X12X16	1.500	1-1/16-12	0.844	1-5/16-12	1.817
5015X12X20	1.688	1-1/16-12	1.078	1-5/8-12	1.864
5015X14X06	1.375	1-3/16-12	0.297	9/16-18	1.525
5015X14X08	1.375	1-3/16-12	0.391	3/4-16	1.626
5015X14X10	1.375	1-3/16-12	0.484	7/8-14	1.727
5015X14X12	1.375	1-3/16-12	0.609	1-1/16-12	1.833
5015X16X04	1.500	1-5/16-12	0.172	7/16-20	1.566
5015X16X06	1.500	1-5/16-12	0.297	9/16-18	1.572
5015X16X08	1.500	1-5/16-12	0.391	3/4-16	1.673
5015X16X10	1.500	1-5/16-12	0.484	7/8-14	1.774
5015X16X12	1.500	1-5/16-12	0.609	1-1/16-12	1.880
5015X16X14	1.500	1-5/16-12	0.719	1-3/16-12	1.906
5015X16X20	1.688	1-5/16-12	1.078	1-5/8-12	1.974
5015X16X24	2.000	1-5/16-12	1.313	1-7/8-12	2.099
5015X20X10	2.001	1-5/8-11	0.609	7/8-14	1.823
5015X20X12	2.000	1-5/8-12	0.609	1-1/16-12	1.926
5015X20X16	2.000	1-5/8-12	0.844	1-5/16-12	1.973
5015X20X24	2.000	1-5/8-12	1.313	1-7/8-12	2.145
5015X24X12	2.250	1-7/8-12	0.609	1-1/16-12	2.052
5015X24X16	2.250	1-7/8-12	0.844	1-5/16-12	2.099
5015X24X20	2.250	1-7/8-12	1.078	1-5/8-12	2.146
5015X24X32	2.625	1-7/8-12	1.313	2-1/2-12	2.521
5015X32X20	2.875	2-1/2-11	1.078	1-5/8-12	2.579
5015X32X24	2.875	2-1/2-12	1.313	1-7/8-12	2.521

STRAIGHTS

MALE JIC TO MALE PIPE CONNECTOR

WWF PART # 5205
SAE: 070102
Industry Standard: 2404
Parker: FTX
Aeroquip: 2021
Gates: MJ-MP
Gates Global: G60490
Fittings Unlimited: Y-2404



PART #	Y HEX	T1	D1	T2	D2	L
5205X02X02	0.438	5/16-24	0.063	1/8-27	0.188	1.110
5205X02X04	0.625	5/16-24	0.063	1/4-18	0.281	1.320
5205X03X02	0.438	3/8-24	0.125	1/8-27	0.188	1.140
5205X04X02	0.500	7/16-20	0.172	1/8-27	0.188	1.220
5205X04X04	0.563	7/16-20	0.172	1/4-18	0.281	1.420
5205X04X06	0.750	7/16-20	0.172	3/8-18	0.406	1.420
5205X04X08	0.875	7/16-20	0.172	1/2-14	0.531	1.680
5205X05X02	0.563	1/2-20	0.234	1/8-27	0.188	1.220
5205X05X04	0.563	1/2-20	0.234	1/4-18	0.281	1.420
5205X05X06	0.813	1/2-20	0.234	3/8-18	0.406	1.420
5205X06X02	0.625	9/16-18	0.297	1/8-27	0.188	1.240
5205X06X04	0.625	9/16-18	0.297	1/4-18	0.281	1.430
5205X06X06	0.750	9/16-18	0.297	3/8-18	0.406	1.430
5205X06X08	0.875	9/16-18	0.297	1/2-14	0.531	1.690
5205X06X12	1.125	9/16-18	0.297	3/4-14	0.719	1.750
5205X08X02	0.813	3/4-16	0.391	1/8-27	0.188	1.340
5205X08X04	0.813	3/4-16	0.391	1/4-18	0.281	1.530
5205X08X06	0.813	3/4-16	0.391	3/8-18	0.406	1.530
5205X08X08	0.875	3/4-16	0.391	1/2-14	0.531	1.790
5205X08X12	1.125	3/4-16	0.391	3/4-14	0.719	1.850
5205X08X16	1.375	3/4-16	0.391	1-11-1/2	0.938	2.050
5205X10X04	0.938	7/8-14	0.484	1/4-18	0.281	1.700
5205X10X06	0.938	7/8-14	0.484	3/8-18	0.406	1.700
5205X10X08	0.938	7/8-14	0.484	1/2-14	0.531	1.890
5205X10X12	1.125	7/8-14	0.484	3/4-14	0.719	1.950
5205X10X16	1.375	7/8-14	0.484	1-11-1/2	0.938	2.150
5205X12X06	1.125	1-1/16-12	0.609	3/8-18	0.406	1.870
5205X12X08	1.125	1-1/16-12	0.609	1/2-14	0.531	2.060
5205X12X12	1.125	1-1/16-12	0.609	3/4-14	0.719	2.060
5205X12X16	1.375	1-1/16-12	0.609	1-11-1/2	0.938	2.250
5205X12X20	1.688	1-1/16-12	0.609	1-1/4-11-1/2	1.250	2.360
5205X12X24	2.000	1-1/16-12	0.609	1-1/2-11-1/2	1.500	2.460
5205X14X08	1.250	1-3/16-12	0.719	1/2-14	0.531	2.090
5205X14X12	1.250	1-3/16-12	0.719	3/4-14	0.719	2.090
5205X16X08	1.375	1-5/16-12	0.844	1/2-14	0.531	2.110
5205X16X12	1.375	1-5/16-12	0.844	3/4-14	0.719	2.110
5205X16X16	1.375	1-5/16-12	0.844	1-11-1/2	0.938	2.300
5205X16X20	1.688	1-5/16-12	0.844	1-1/4-11-1/2	1.250	2.400
5205X16X24	2.000	1-5/16-12	0.844	1-1/2-11-1/2	1.500	2.510
5205X20X16	1.688	1-5/8-12	1.078	1-11-1/2	0.938	2.420
5205X20X20	1.688	1-5/8-12	1.078	1-1/4-11-1/2	1.250	2.450
5205X20X24	2.000	1-5/8-12	1.078	1-1/2-11-1/2	1.500	2.550
5205X20X32	2.625	1-5/8-12	1.078	2-11-1/2	1.938	2.730
5205X24X16	2.000	1-7/8-12	1.313	1-11-1/2	0.938	2.620
5205X24X20	2.000	1-7/8-12	1.313	1-1/4-11-1/2	1.250	2.650
5205X24X24	2.000	1-7/8-12	1.313	1-1/2-11-1/2	1.500	2.680
5205X24X32	2.500	1-7/8-12	1.313	2-11-1/2	1.938	2.860
5205X32X20	2.625	2-1/2-12	1.781	1-1/4-11-1/2	1.250	3.050
5205X32X24	2.625	2-1/2-12	1.781	1-1/2-11-1/2	1.500	3.080
5205X32X32	2.625	2-1/2-12	1.781	2-11-1/2	1.938	3.110
5205X40X40	3.25	3-12	2.323	2-1/2-8	2.323	3.370

STRAIGHTS

JIC Table of Contents | JIC Index
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JIC PLUG

WWF PART # **5229**
SAE: 070109
 Industry Standard: 2408
 Parker: PNTX
 Aeroquip: 90059
 Gates: MJ-PLUG
 Gates Global: G60402
 Fittings Unlimited: Y-2408



PART #	Y HEX	T	D	L
5229X02	0.438	5/16-24	0.063	0.700
5229X03	0.438	3/8-24	0.125	0.730
5229X04	0.500	7/16-20	0.172	0.800
5229X05	0.563	1/2-20	0.234	0.800
5229X06	0.625	9/16-18	0.297	0.840
5229X08	0.813	3/4-16	0.391	0.940
5229X10	0.938	7/8-14	0.484	1.100
5229X12	1.125	1-1/16-12	0.609	1.280
5229X14	1.250	1-3/16-12	0.719	1.310
5229X16	1.375	1-5/16-12	0.844	1.330
5229X20	1.688	1-5/8-12	1.078	1.450
5229X24	2.000	1-7/8-12	1.313	1.650
5229X32	2.625	2-1/2-12	1.781	2.050

STRAIGHTS

MALE JIC TO FEMALE PIPE CONNECTOR

WWF PART # 5255
SAE: 070103
Industry Standard: 2405
Parker: GTX
Aeroquip: 2022
Gates: MJ-FP
Gates Global: G60510
Fittings Unlimited: Y-2405

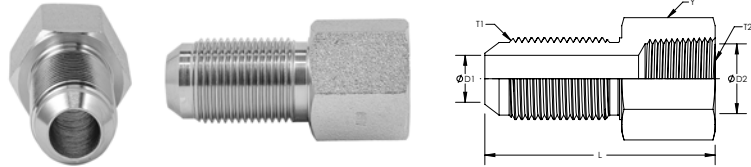


PART #	Y HEX	T1	D1	T2	D2	L
5255X02X02	0.563	5/16-24	0.063	1/8-27	0.332	1.120
5255X03X02	0.563	3/8-24	0.125	1/8-27	0.332	1.130
5255X04X02	0.563	7/16-20	0.172	1/8-27	0.332	1.190
5255X04X04	0.750	7/16-20	0.172	1/4-18	0.438	1.390
5255X04X06	0.875	7/16-20	0.172	3/8-18	0.563	1.450
5255X04X08	1.125	7/16-20	0.172	1/2-14	0.703	1.680
5255X05X02	0.563	1/2-20	0.234	1/8-27	0.332	1.170
5255X05X04	0.750	1/2-20	0.234	1/4-18	0.438	1.390
5255X06X02	0.750	9/16-18	0.297	1/8-27	0.332	1.190
5255X06X04	0.750	9/16-18	0.297	1/4-18	0.438	1.400
5255X06X06	0.875	9/16-18	0.297	3/8-18	0.563	1.460
5255X06X08	1.125	9/16-18	0.297	1/2-14	0.703	1.690
5255X08X04	0.875	3/4-16	0.391	1/4-18	0.438	1.550
5255X08X06	0.875	3/4-16	0.391	3/8-18	0.563	1.560
5255X08X08	1.125	3/4-16	0.391	1/2-14	0.703	1.790
5255X08X12	1.375	3/4-16	0.391	3/4-14	0.906	1.850
5255X10X06	1.125	7/8-14	0.484	3/8-18	0.563	1.670
5255X10X08	1.125	7/8-14	0.484	1/2-14	0.703	1.890
5255X10X12	1.375	7/8-14	0.484	3/4-14	0.906	1.950
5255X10X16	1.625	7/8-14	0.484	1-11-1/2	1.141	2.200
5255X12X08	1.375	1-1/16-12	0.609	1/2-14	0.703	2.050
5255X12X12	1.375	1-1/16-12	0.609	3/4-14	0.906	2.060
5255X12X16	1.625	1-1/16-12	0.609	1-11-1/2	1.141	2.300
5255X14X12	1.375	1-3/16-12	0.719	3/4-14	0.906	2.060
5255X16X12	1.625	1-5/16-12	0.844	3/4-14	0.906	2.120
5255X16X16	1.625	1-5/16-12	0.844	1-11-1/2	1.141	2.350
5255X16X20	2.000	1-5/16-12	0.844	1-1/4-11-1/2	1.484	2.440
5255X20X16	2.000	1-5/8-12	1.078	1-11-1/2	1.141	2.470
5255X20X20	2.000	1-5/8-12	1.078	1-1/4-11-1/2	1.484	2.490
5255X20X24	2.375	1-5/8-12	1.078	1-1/2-11-1/2	1.744	2.490
5255X24X20	2.375	1-7/8-12	1.313	1-1/4-11-1/2	1.484	2.620
5255X24X24	2.375	1-7/8-12	1.313	1-1/2-11-1/2	1.744	2.620
5255X32X32	2.875	2-1/2-12	1.781	2-11-1/2	2.213	2.970

STRAIGHTS

MALE JIC TO FEMALE PIPE BULKHEAD CONNECTOR

WWF PART # 5275
SAE: 070603
Industry Standard: 2705
Parker: WGTX
Aeroquip: 2239-1
Fittings Unlimited: Y-2705



PART #	Y HEX	T1	D1	T2	D2	L
5275X02X04	0.750	5/16-24	0.063	1/4-18	0.438	2.010
5275X04X02	0.688	7/16-20	0.172	1/8-27	0.332	1.840
5275X04X04	0.750	7/16-20	0.172	1/4-18	0.438	2.090
5275X04X06	0.875	7/16-20	0.172	3/8-18	0.563	2.140
5275X06X04	0.813	9/16-18	0.297	1/4-18	0.438	2.170
5275X06X06	0.875	9/16-18	0.297	3/8-18	0.563	2.230
5275X08X06	1.000	3/4-16	0.391	3/8-18	0.563	2.390
5275X08X08	1.125	3/4-16	0.391	1/2-14	0.703	2.620
5275X10X08	1.125	7/8-14	0.484	1/2-14	0.703	2.760
5275X12X08	1.375	1-1/16-12	0.609	1/2-14	0.703	2.910
5275X12X12	1.375	1-1/16-12	0.609	3/4-14	0.906	2.990
5275X16X16	1.625	1-5/16-12	0.844	1-11-1/2	1.141	3.240
5275X20X20	2.000	1-5/8-12	1.078	1-1/4-11-1/2	1.484	3.340
5275X24X24	2.375	1-7/8-12	1.313	1-1/2-11-1/2	1.744	3.400

MALE JIC TO FEMALE PIPE BULKHEAD CONNECTOR WITH LOCKNUT

WWF PART # 5275LN
SAE: 070603
Industry Standard: 2705-LN
Parker: WGTX-WLN
Aeroquip: 2239
Fittings Unlimited: Y-2705-LN

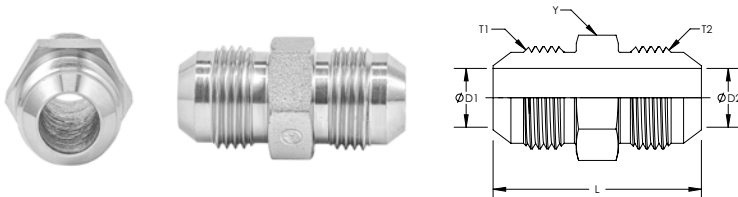


PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
5275X02X04LN	0.750	0.563	5/16-24	0.063	1/4-18	0.438	2.010
5275X04X02LN	0.688	0.688	7/16-20	0.172	1/8-27	0.332	1.840
5275X04X04LN	0.750	0.688	7/16-20	0.172	1/4-18	0.438	2.090
5275X04X06LN	0.875	0.688	7/16-20	0.172	3/8-18	0.563	2.140
5275X06X04LN	0.813	0.813	9/16-18	0.297	1/4-18	0.438	2.170
5275X06X06LN	0.875	0.813	9/16-18	0.297	3/8-18	0.563	2.230
5275X08X06LN	1.000	1.000	3/4-16	0.391	3/8-18	0.563	2.390
5275X08X08LN	1.125	1.000	3/4-16	0.391	1/2-14	0.703	2.620
5275X10X08LN	1.125	1.125	7/8-14	0.484	1/2-14	0.703	2.760
5275X12X12LN	1.375	1.375	1-1/16-12	0.609	3/4-14	0.906	2.990
5275X16X16LN	1.625	1.625	1-5/16-12	0.844	1-11-1/2	1.141	3.240
5275X20X20LN	2.000	1.875	1-5/8-12	1.078	1-1/4-11-1/2	1.484	3.340
5275X24X24LN	2.375	2.125	1-7/8-12	1.313	1-1/2-11-1/2	1.744	3.400

STRAIGHTS

JIC UNION

WWF PART # 5305
SAE: 070101
Industry Standard: 2403
Parker: HTX
Aeroquip: 2027
Gates: MJ-MJ
Gates Global: G60410
Fittings Unlimited: Y-2403

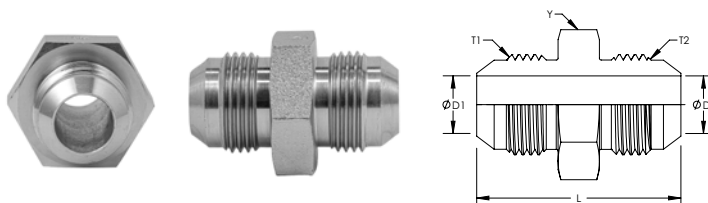


PART #	Y HEX	T1	D1	T2	D2	L
5305X02X02	0.438	5/16-24	0.063	5/16-24	0.063	1.170
5305X03X03	0.438	3/8-24	0.125	3/8-24	0.125	1.230
5305X04X02	0.500	7/16-20	0.172	5/16-24	0.063	1.270
5305X04X04	0.500	7/16-20	0.172	7/16-20	0.172	1.370
5305X05X04	0.563	1/2-20	0.234	7/16-20	0.172	1.370
5305X05X05	0.563	1/2-20	0.234	1/2-20	0.234	1.370
5305X06X04	0.625	9/16-18	0.297	7/16-20	0.172	1.400
5305X06X06	0.625	9/16-18	0.297	9/16-18	0.297	1.410
5305X08X04	0.813	3/4-16	0.391	7/16-20	0.172	1.510
5305X08X06	0.813	3/4-16	0.391	9/16-18	0.297	1.520
5305X08X08	0.813	3/4-16	0.391	3/4-16	0.391	1.620
5305X10X04	0.938	7/8-14	0.484	7/16-20	0.172	1.670
5305X10X06	0.938	7/8-14	0.484	9/16-18	0.297	1.680
5305X10X08	0.938	7/8-14	0.484	3/4-16	0.391	1.780
5305X10X10	0.938	7/8-14	0.484	7/8-14	0.484	1.880
5305X12X08	1.125	1-1/16-12	0.609	3/4-16	0.391	1.950
5305X12X10	1.125	1-1/16-12	0.609	7/8-14	0.484	2.050
5305X12X12	1.125	1-1/16-12	0.609	1-1/16-12	0.609	2.160
5305X14X14	1.250	1-3/16-12	0.719	1-3/16-12	0.719	2.210
5305X16X08	1.375	1-5/16-12	0.844	3/4-16	0.391	2.000
5305X16X10	1.375	1-5/16-12	0.844	7/8-14	0.484	2.100
5305X16X12	1.375	1-5/16-12	0.844	1-1/16-12	0.609	2.200
5305X16X16	1.375	1-5/16-12	0.844	1-5/16-12	0.844	2.250
5305X20X12	1.688	1-5/8-12	1.078	1-1/16-12	0.609	2.340
5305X20X16	1.688	1-5/8-12	1.078	1-5/16-12	0.844	2.380
5305X20X20	1.688	1-5/8-12	1.078	1-5/8-12	1.078	2.430
5305X24X12	2.000	1-7/8-12	1.313	1-1/16-12	0.609	2.530
5305X24X16	2.000	1-7/8-12	1.313	1-5/16-12	0.844	2.580
5305X24X20	2.000	1-7/8-12	1.313	1-5/8-12	1.078	2.620
5305X24X24	2.000	1-7/8-12	1.313	1-7/8-12	1.313	2.750
5305X32X32	2.625	2-1/2-12	1.781	2-1/2-12	1.781	3.400

STRAIGHTS

LARGE HEX JIC UNION

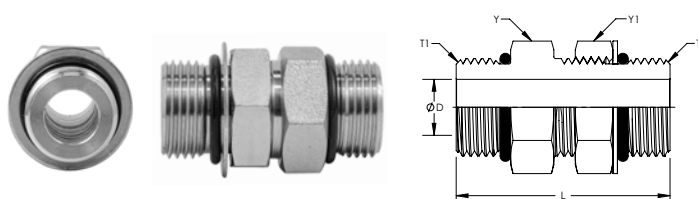
WWF PART # 5306
SAE: 070119
Industry Standard: 2403-LH
Parker: LHTX
Aeroquip: 202712
Fittings Unlimited: Y-2403-LH



PART #	Y HEX	T1	D1	T2	D2	L
5306X04X04	0.688	7/16-20	0.172	7/16-20	0.172	1.370
5306X05X05	0.750	1/2-20	0.234	1/2-20	0.234	1.370
5306X06X06	0.813	9/16-18	0.297	9/16-18	0.297	1.410
5306X08X08	1.000	3/4-16	0.391	3/4-16	0.391	1.620
5306X10X10	1.125	7/8-14	0.484	7/8-14	0.484	1.880
5306X12X12	1.375	1-1/16-12	0.609	1-1/16-12	0.609	2.160
5306X16X16	1.625	1-5/16-12	0.844	1-5/16-12	0.844	2.250
5306X20X20	1.875	1-5/8-12	1.078	1-5/8-12	1.078	2.430
5306X20X16	1.874	1-5/8-12	0.913	1-5/16-12	0.913	2.378
5306X24X24	2.125	1-7/8-12	1.313	1-7/8-12	1.313	2.750

MALE ADJUSTABLE ORB UNION

WWF PART # 5314
Industry Standard: 3474
Air-Way: 6407
Parker: F5OHAO
Aeroquip: 2220
Tompkins: 6403
Fittings Unlimited: Y-6464-NWO

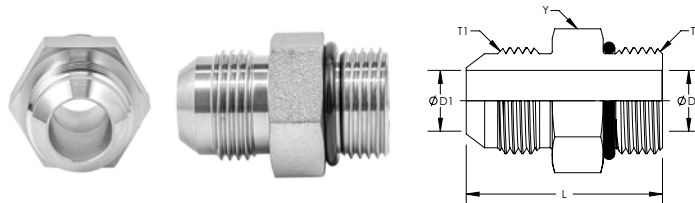


PART #	Y HEX	Y1 HEX	T1	D	T2	L
5314X04X04	0.563	0.563	7/16-20	0.172	7/16-20	1.470
5314X06X06	0.688	0.688	9/16-18	0.297	9/16-18	1.560
5314X08X08	0.875	0.875	3/4-16	0.391	3/4-16	1.760
5314X10X10	1.000	1.000	7/8-14	0.484	7/8-14	2.040
5314X12X12	1.250	1.250	1-1/16-12	0.609	1 1/16-12	2.330
5314X16X16	1.500	1.500	1-5/16-12	0.844	1 5/16-12	2.360
5314X20X20	1.875	1.875	1-5/8-12	1.078	1 5/8-12	2.310
5314X24X24	2.125	2.125	1-7/8-12	1.313	1-7/8-12	2.420
5314X32X32	2.750	2.750	2-1/2-12	1.781	2-1/2-12	2.590

STRAIGHTS

MALE JIC TO MALE ORB CONNECTOR

WWF PART # 5315
SAE: 070120
Industry Standard: 6400
Parker: F5OX
Aeroquip: 202702
Gates: MB-MJ
Gates Global: G60301
Fittings Unlimited: Y-6400



PART #	Y HEX	T1	D1	T2	D2	L
5315X02X02	0.438	5/16-24	0.063	5/16-24	0.063	1.060
5315X03X03	0.500	3/8-24	0.125	3/8-24	0.125	1.100
5315X04X02	0.563	7/16-20	0.172	5/16-24	0.063	1.170
5315X04X03	0.563	7/16-20	0.172	3/8-24	0.125	1.170
5315X04X04	0.563	7/16-20	0.172	7/16-20	0.172	1.230
5315X04X05	0.625	7/16-20	0.172	1/2-20	0.234	1.230
5315X04X06	0.688	7/16-20	0.172	9/16-18	0.297	1.290
5315X04X08	0.875	7/16-20	0.172	3/4-16	0.391	1.370
5315X04X10	1.000	7/16-20	0.172	7/8-14	0.484	1.490
5315X04X12	1.250	7/16-20	0.172	1-1/16-12	0.609	1.660
5315X05X04	0.563	1/2-20	0.234	7/16-20	0.172	1.230
5315X05X05	0.625	1/2-20	0.234	1/2-20	0.234	1.230
5315X05X06	0.688	1/2-20	0.234	9/16-18	0.297	1.290
5315X06X04	0.625	9/16-18	0.297	7/16-20	0.172	1.270
5315X06X05	0.625	9/16-18	0.297	1/2-20	0.234	1.270
5315X06X06	0.688	9/16-18	0.297	9/16-18	0.297	1.300
5315X06X08	0.875	9/16-18	0.297	3/4-16	0.391	1.380
5315X06X10	1.000	9/16-18	0.297	7/8-14	0.484	1.500
5315X06X12	1.250	9/16-18	0.297	1-1/16-12	0.609	1.660
5315X08X04	0.813	3/4-16	0.391	7/16-20	0.172	1.490
5315X08X06	0.813	3/4-16	0.391	9/16-18	0.297	1.440
5315X08X08	0.875	3/4-16	0.391	3/4-16	0.391	1.480
5315X08X10	1.000	3/4-16	0.391	7/8-14	0.484	1.600
5315X08X12	1.250	3/4-16	0.391	1-1/16-12	0.609	1.760
5315X08X16	1.500	3/4-16	0.391	1-5/16-12	0.844	1.790
5315X08X20	1.875	3/4-16	0.391	1-5/8-12	1.078	1.870
5315X10X04	1.000	7/8-14	0.484	7/16-20	0.172	1.650
5315X10X06	0.938	7/8-14	0.484	9/16-18	0.297	1.710
5315X10X08	0.938	7/8-14	0.484	3/4-16	0.391	1.640
5315X10X10	1.000	7/8-14	0.484	7/8-14	0.484	1.700
5315X10X12	1.250	7/8-14	0.484	1-1/16-12	0.609	1.860
5315X10X16	1.500	7/8-14	0.484	1-5/16-12	0.844	1.890

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STRAIGHTS

MALE JIC TO MALE ORB CONNECTOR – Continued

PART #	Y HEX	T1	D1	T2	D2	L
5315X12X06	1.125	1-1/16-12	0.609	9/16-18	0.297	1.860
5315X12X08	1.125	1-1/16-12	0.609	3/4-16	0.391	1.940
5315X12X10	1.125	1-1/16-12	0.609	7/8-14	0.484	1.880
5315X12X12	1.250	1-1/16-12	0.609	1-1/16-12	0.609	1.970
5315X12X14	1.375	1-1/16-12	0.609	1-3/16-12	0.719	1.960
5315X12X16	1.500	1-1/16-12	0.609	1-5/16-12	0.844	1.990
5315X12X20	1.875	1-1/16-12	0.609	1/5/8-12	1.078	2.080
5315X14X12	1.250	1-3/16-12	0.719	1-1/16-12	0.609	1.990
5315X14X14	1.375	1-3/16-12	0.719	1-3/16-12	0.719	1.990
5315X14X16	1.500	1-3/16-12	0.719	1-5/16-12	0.844	2.020
5315X16X08	1.375	1-5/16-12	0.844	3/4-16	0.391	2.010
5315X16X10	1.375	1-5/16-12	0.844	7/8-14	0.484	2.070
5315X16X12	1.375	1-5/16-12	0.844	1-1/16-12	0.609	2.040
5315X16X14	1.375	1-5/16-12	0.844	1-3/16-12	0.719	2.040
5315X16X16	1.500	1-5/16-12	0.844	1-5/16-12	0.844	2.040
5315X16X20	1.875	1-5/16-12	0.844	1-5/8-12	1.078	2.120
5315X16X24	2.125	1-5/16-12	0.844	1-7/8-12	1.313	2.200
5315X20X12	1.688	1-5/8-12	1.078	1-1/16-12	0.609	2.299
5315X20X16	1.688	1-5/8-12	1.078	1-5/16-12	0.844	2.330
5315X20X20	1.875	1-5/8-12	1.078	1-5/8-12	1.078	2.170
5315X20X24	2.125	1-5/8-12	1.078	1-7/8-12	1.313	2.240
5315X20X32	2.750	1-5/8-12	1.078	2-1/2-12	1.781	2.398
5315X24X16	2.750	1-7/8-12	1.313	1-5/16-12	0.844	2.530
5315X24X20	2.125	1-7/8-12	1.313	1-5/8-12	1.078	2.530
5315X24X24	2.125	1-7/8-12	1.313	1-7/8-12	1.313	2.370
5315X24X32	2.750	1-7/8-12	1.313	2-1/2-12	1.781	2.530
5315X32X20	2.625	2-1/2-12	1.781	1-5/8-12	1.078	2.940
5315X32X24	2.750	2-1/2-12	1.781	1-7/8-12	1.313	2.940
5315X32X32	2.750	2-1/2-12	1.781	2-1/2-12	1.781	2.780

[<Previous](#)

STRAIGHTS

MALE JIC TO MALE ORB CONNECTOR LONG

WWF PART # 5316
SAE: 071720

Industry Standard: 6400-L
Parker: FF50X
Aeroquip: 202713
Fittings Unlimited: Y-6400-L

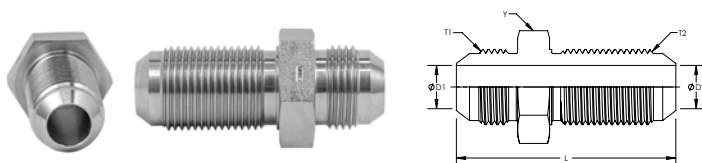


PART #	Y HEX	T1	D1	T2	D2	L
5316X04X04	0.563	7/16-20	0.172	7/16-20	0.172	2.080
5316X05X05	0.625	1/2-20	0.234	1/2-20	0.234	2.140
5316X06X06	0.688	9/16-18	0.297	9/16-18	0.297	2.310
5316X06X08	0.875	9/16-18	0.297	3/4-16	0.391	2.600
5316X08X08	0.875	3/4-16	0.391	3/4-16	0.391	2.700
5316X08X10	1.000	3/4-16	0.391	7/8-14	0.484	2.940
5316X10X10	1.000	7/8-14	0.484	7/8-14	0.484	3.040
5316X12X12	1.250	1-1/16-12	0.609	1-1/16-12	0.609	3.610
5316X12X16	1.500	1-1/16-12	0.609	1-5/16-12	0.843	3.640
5316X14X14	1.375	1-3/16-12	0.719	1-3/16-12	0.719	3.800
5316X16X16	1.500	1-5/16-12	0.844	1-5/16-12	0.844	3.980
5316X20X16	1.875	1-5/8-12	1.078	1-5/16-12	0.844	4.690
5316X20X20	1.875	1-5/8-12	1.078	1-5/8-12	1.078	4.690

JIC BULKHEAD UNION

WWF PART # 5325
SAE: 070601

Industry Standard: 2700
Parker: WTX
Aeroquip: 2041-1
Fittings Unlimited: Y-2700

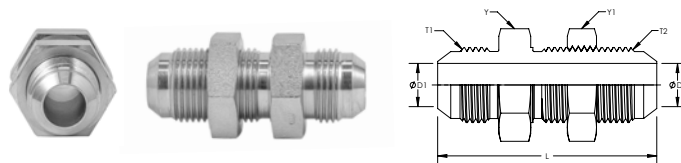


PART #	Y HEX	T1	D1	T2	D2	L
5325X03X03	0.625	3/8-24	0.126	3/8-24	0.126	1.902
5325X04X04	0.688	7/16-20	0.172	7/16-20	0.172	2.070
5325X04X06	0.813	7/16-20	0.172	9/16-18	0.297	2.170
5325X05X05	0.750	1/2-20	0.234	1/2-20	0.234	2.070
5325X06X04	0.813	9/16-18	0.297	7/16-20	0.172	2.170
5325X06X06	0.813	9/16-18	0.297	9/16-18	0.297	2.180
5325X08X08	1.000	3/4-16	0.391	3/4-16	0.391	2.440
5325X10X10	1.125	7/8-14	0.484	7/8-14	0.484	2.740
5325X12X12	1.375	1-1/16-12	0.609	1-1/16-12	0.609	3.090
5325X14X14	1.500	1-3/16-12	0.719	1-3/16-12	0.719	3.120
5325X16X12	1.625	1-5/16-12	0.844	1-1/16-12	0.609	3.140
5325X16X16	1.625	1-5/16-12	0.844	1-5/16-12	0.844	3.140
5325X20X20	1.875	1-5/8-12	1.078	1-5/8-12	1.078	3.310
5325X24X24	2.125	1-7/8-12	1.313	1-7/8-12	1.313	3.520

STRAIGHTS

JIC BULKHEAD UNION WITH LOCKNUT

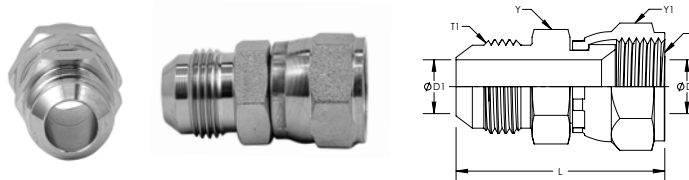
WWF PART # 5325LN
SAE: 070601
 Industry Standard: 2700-LN
 Parker: WTX-WLN
 Aeroquip: 2041
 Gates: MJ-BKHD
 Gates Global: G60445
 Fittings Unlimited: Y-2700-LN



PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
5325X03X03LN	0.625	0.625	3/8-24	0.126	3/8-24	0.126	1.902
5325X04X04LN	0.688	0.688	7/16-20	0.172	7/16-20	0.172	2.070
5325X04X06LN	0.813	0.813	7/16-20	0.172	9/16-18	0.297	2.139
5325X05X05LN	0.750	0.750	1/2-20	0.234	1/2-20	0.234	2.070
5325X06X04LN	0.813	0.688	9/16-18	0.297	7/16-20	0.172	2.100
5325X06X06LN	0.813	0.813	9/16-18	0.297	9/16-18	0.297	2.180
5325X08X08LN	1.000	1.000	3/4-16	0.391	3/4-16	0.391	2.440
5325X10X10LN	1.125	1.125	7/8-14	0.484	7/8-14	0.484	2.740
5325X12X12LN	1.375	1.375	1-1/16-12	0.609	1-1/16-12	0.609	3.090
5325X14X14LN	1.500	1.500	1-3/16-12	0.719	1-3/16-12	0.719	3.120
5325X16X12LN	1.625	1.375	1-5/16-12	0.844	1-1/16-12	0.609	3.140
5325X16X16LN	1.625	1.625	1-5/16-12	0.844	1-5/16-12	0.844	3.140
5325X20X20LN	1.875	1.875	1-5/8-12	1.078	1-5/8-12	1.078	3.310
5325X24X24LN	2.125	2.125	1-7/8-12	1.313	1-7/8-12	1.313	3.520

MALE JIC TO FEMALE JIC SWIVEL

WWF PART # 6504
 Industry Standard: 6504
 Parker: XHX6
 Fittings Unlimited: Y-6504

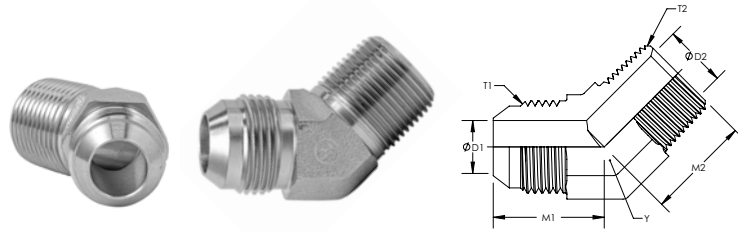


PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
6504X04X04	0.500	0.563	7/16-20	0.172	7/16-20	0.172	1.530
6504X06X06	0.625	0.688	9/16-18	0.297	9/16-18	0.297	1.590
6504X08X06	0.813	0.688	3/4-16	0.391	9/16-18	0.297	1.360
6504X08X08	0.813	0.875	3/4-16	0.391	3/4-16	0.391	1.830
6504X10X10	0.938	1.000	7/8-14	0.484	7/8-14	0.484	2.170
6504X12X12	1.125	1.250	1-1/16-12	0.609	1-1/16-12	0.609	2.370
6504X16X16	1.375	1.500	1-5/16-12	0.844	1-5/16-12	0.844	2.495
6504X20X20	1.688	2.000	1-5/8-12	1.078	1-5/8-12	1.078	2.760

ELBOWS

MALE JIC TO MALE PIPE 45° ELBOW

WWF PART # F5355
SAE: 070302
Industry Standard: 2503
Parker: VTX
Aeroquip: 2023
Gates: MJ-MP45
Gates Global: G60497
Fittings Unlimited: Y-2503-F

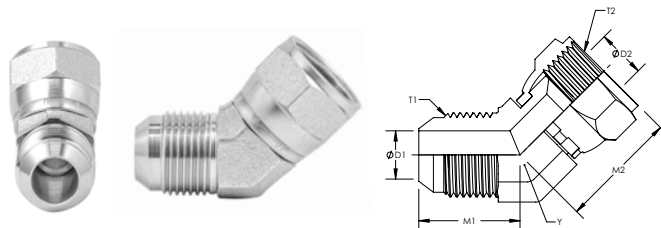


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5355X02X02	0.438	5/16-24	0.690	0.063	1/8-27	0.520	0.188
F5355X03X02	0.438	3/8-24	0.690	0.125	1/8-27	0.520	0.188
F5355X04X02	0.438	7/16-20	0.720	0.172	1/8-27	0.640	0.188
F5355X04X04	0.563	7/16-20	0.820	0.172	1/4-18	0.860	0.281
F5355X04X06	0.750	7/16-20	0.850	0.172	3/8-18	0.950	0.406
F5355X04X08	0.875	7/16-20	0.870	0.172	1/2-14	1.170	0.531
F5355X05X02	0.563	1/2-20	0.770	0.234	1/8-27	0.640	0.188
F5355X05X04	0.563	1/2-20	0.820	0.234	1/4-18	0.860	0.281
F5355X06X02	0.563	9/16-18	0.830	0.297	1/8-27	0.670	0.188
F5355X06X04	0.563	9/16-18	0.830	0.297	1/4-18	0.860	0.281
F5355X06X06	0.750	9/16-18	0.870	0.297	3/8-18	0.950	0.406
F5355X06X08	0.875	9/16-18	0.880	0.297	1/2-14	1.170	0.531
F5355X06X12	1.063	9/16-18	0.930	0.297	3/4-14	1.200	0.719
F5355X08X04	0.750	3/4-16	0.980	0.391	1/4-18	0.950	0.281
F5355X08X06	0.750	3/4-16	0.980	0.391	3/8-18	0.950	0.406
F5355X08X08	0.875	3/4-16	0.990	0.391	1/2-14	1.170	0.531
F5355X08X12	1.063	3/4-16	1.040	0.391	3/4-14	1.200	0.719
F5355X10X06	0.875	7/8-14	1.110	0.484	3/8-18	0.980	0.406
F5355X10X08	0.875	7/8-14	1.110	0.484	1/2-14	1.170	0.531
F5355X10X12	1.063	7/8-14	1.160	0.484	3/4-14	1.200	0.719
F5355X12X08	1.063	1-1/16-12	1.280	0.609	1/2-14	1.200	0.531
F5355X12X12	1.063	1-1/16-12	1.280	0.609	3/4-14	1.200	0.719
F5355X12X16	1.313	1-1/16-12	1.420	0.609	1-11-1/2	1.480	0.938
F5355X14X12	1.313	1-3/16-12	1.450	0.719	3/4-14	1.300	0.719
F5355X16X08	1.313	1-5/16-12	1.470	0.844	1/2-14	1.290	0.531
F5355X16X12	1.313	1-5/16-12	1.470	0.844	3/4-14	1.290	0.719
F5355X16X16	1.313	1-5/16-12	1.470	0.844	1-11-1/2	1.480	0.938
F5355X16X20	1.625	1-5/16-12	1.540	0.844	1-1/4-11-1/2	1.670	1.250
F5355X20X16	1.625	1-5/8-12	1.590	1.078	1-11-1/2	1.640	0.938
F5355X20X20	1.625	1-5/8-12	1.590	1.078	1-1/4-11-1/2	1.670	1.250
F5355X20X24	1.875	1-5/8-12	1.650	1.078	1-1/2-11-1/2	1.770	1.500
F5355X24X20	1.875	1-7/8-12	1.780	1.313	1-1/4-11-1/2	1.740	1.250
F5355X24X24	1.875	1-7/8-12	1.780	1.313	1-1/2-11-1/2	1.770	1.500
F5355X32X32	2.500	2-1/2-12	2.220	1.781	2-11-1/2	2.110	1.938

ELBOWS

MALE JIC TO FEMALE PIPE SWIVEL 45° ELBOW

WWF PART # F5356
SAE: 070321
Industry Standard: 6502
Parker: V6X
Aeroquip: 2070
Gates: MJ-FJX45
Gates Global: G60424
Fittings Unlimited: Y-6502-F



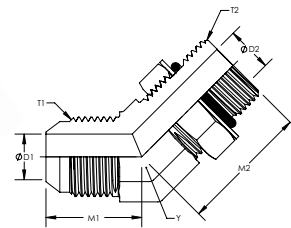
PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5356X02X02	0.438	5/16-24	0.690	0.063	5/16-24	0.940	0.063
F5356X04X04	0.438	7/16-20	0.720	0.172	7/16-20	0.940	0.172
F5356X05X05	0.563	1/2-20	0.770	0.234	1/2-20	1.000	0.234
F5356X06X06	0.563	9/16-18	0.830	0.297	9/16-18	1.120	0.297
F5356X08X08	0.750	3/4-16	0.980	0.391	3/4-16	1.280	0.391
F5356X10X10	0.875	7/8-14	1.110	0.484	7/8-14	1.440	0.484
F5356X12X12	1.063	1-1/16-12	1.280	0.609	1-1/16-12	1.500	0.609
F5356X16X16	1.313	1-5/16-12	1.470	0.844	1-5/16-12	1.750	0.844
F5356X20X20	1.625	1-5/8-12	1.590	1.078	1-5/8-12	2.030	1.078
F5356X24X24	1.875	1-7/8-12	1.780	1.313	1-7/8-12	2.250	1.313
F5356X32X32	2.500	2-1/2-12	2.220	1.781	2-1/2-12	2.910	1.781

ELBOWS

MALE JIC TO MALE ORB 45° ELBOW

WWF PART # F5365
SAE: 070320

Industry Standard: 6802
Parker: V50X
Aeroquip: 2061
Gates: MB-MJ45
Gates Global: G60308
Fittings Unlimited: Y-6802-F

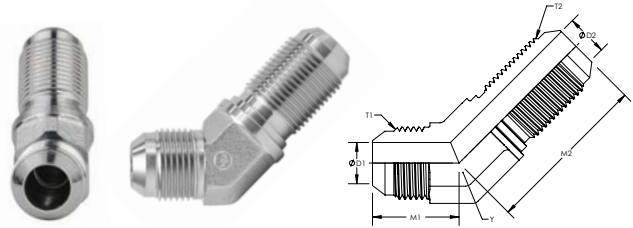


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5365X02X02	0.438	5/16-24	0.690	0.063	5/16-24	0.880	0.063
F5365X04X04	0.438	7/16-20	0.720	0.172	7/16-20	1.050	0.172
F5365X04X05	0.563	7/16-20	0.770	0.172	1/2-20	1.050	0.234
F5365X04X06	0.563	7/16-20	0.820	0.172	9/16-18	1.140	0.297
F5365X04X08	0.750	7/16-20	0.850	0.172	3/4-16	1.300	0.391
F5365X05X04	0.563	1/2-20	0.770	0.234	7/16-20	1.050	0.172
F5365X05X05	0.563	1/2-20	0.770	0.234	1/2-20	1.050	0.234
F5365X05X06	0.563	1/2-20	0.820	0.234	9/16-18	1.140	0.297
F5365X06X04	0.563	9/16-18	0.830	0.297	7/16-20	1.080	0.172
F5365X06X05	0.563	9/16-18	0.830	0.297	1/2-20	1.080	0.234
F5365X06X06	0.563	9/16-18	0.830	0.297	9/16-18	1.140	0.297
F5365X06X08	0.750	9/16-18	0.870	0.297	3/4-16	1.300	0.391
F5365X06X10	0.875	9/16-18	0.880	0.297	7/8-14	1.520	0.484
F5365X08X06	0.750	3/4-16	0.980	0.391	9/16-18	1.170	0.297
F5365X08X08	0.750	3/4-16	0.980	0.391	3/4-16	1.300	0.391
F5365X08X10	0.875	3/4-16	0.990	0.391	7/8-14	1.520	0.484
F5365X08X12	1.063	3/4-16	1.040	0.391	1-1/16-12	1.730	0.609
F5365X10X08	0.875	7/8-14	1.110	0.484	3/4-16	1.360	0.391
F5365X10X10	0.875	7/8-14	1.110	0.484	7/8-14	1.520	0.484
F5365X10X12	1.063	7/8-14	1.160	0.484	1-1/16-12	1.730	0.609
F5365X12X06	1.063	1-1/16-12	1.280	0.609	9/16-18	1.280	0.297
F5365X12X08	1.063	1-1/16-12	1.280	0.609	3/4-16	1.410	0.391
F5365X12X10	1.063	1-1/16-12	1.280	0.609	7/8-14	1.570	0.484
F5365X12X12	1.063	1-1/16-12	1.280	0.609	1-1/16-12	1.730	0.609
F5365X12X16	1.313	1-1/16-12	1.420	0.609	1-5/16-12	1.860	0.844
F5365X14X14	1.313	1-3/16-12	1.450	0.719	1-3/16-12	1.860	0.719
F5365X16X12	1.313	1-5/16-12	1.470	0.844	1-1/16-12	1.860	0.609
F5365X16X16	1.313	1-5/16-12	1.470	0.844	1-5/16-12	1.860	0.844
F5365X16X20	1.625	1-5/16-12	1.540	0.844	1-5/8-12	1.910	1.078
F5365X20X16	1.625	1-5/8-12	1.590	1.078	1-5/16-12	1.910	0.844
F5365X20X20	1.625	1-5/8-12	1.590	1.078	1-5/8-12	1.910	1.078
F5365X24X24	1.875	1-7/8-12	1.780	1.313	1-7/8-12	1.910	1.313
F5365X32X32	2.500	2-1/2-12	2.220	1.781	2-1/2-12	1.860	1.781

ELBOWS

MALE JIC TO MALE JIC BULKHEAD UNION 45° ELBOW

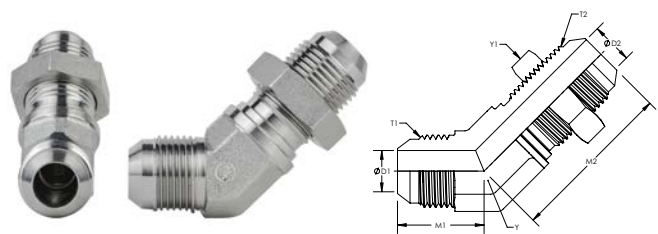
WWF PART # F5375
SAE: 070801
Industry Standard: 2702
Parker: WNTX
Aeroquip: 2042-1
Fittings Unlimited: Y-2702-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5375X04X04	0.438	7/16-20	0.720	0.172	7/16-20	1.530	0.172
F5375X05X05	0.563	1/2-20	0.770	0.234	1/2-20	1.660	0.234
F5375X06X06	0.563	9/16-18	0.830	0.297	9/16-18	1.670	0.297
F5375X08X06	0.750	3/4-16	0.980	0.391	9/16-18	1.830	0.297
F5375X08X08	0.750	3/4-16	0.980	0.391	3/4-16	1.940	0.391
F5375X10X10	0.875	7/8-14	1.110	0.484	7/8-14	2.170	0.484
F5375X12X12	1.063	1-1/16-12	1.280	0.609	1-1/16-12	2.440	0.609
F5375X16X16	1.313	1-5/16-12	1.470	0.844	1-5/16-12	2.560	0.844
F5375X20X20	1.625	1-5/8-12	1.590	1.078	1-5/8-12	2.650	1.078
F5375X24X24	1.875	1-7/8-12	1.780	1.313	1-7/8-12	2.670	1.313

MALE JIC TO MALE JIC BULKHEAD UNION 45° ELBOW WITH LOCKNUT

WWF PART # F5375LN
SAE: 070801
Industry Standard: 2702-LN
Parker: WNTX-WLN
Aeroquip: 2042
Gates: MJ-BKHD45
Gates Global: G60446

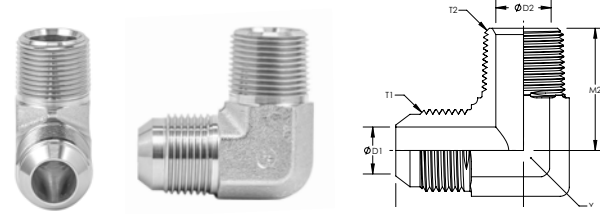


PART #	Y HEX	Y1 HEX	T1	M1	D1	T2	M2	D2
F5375X04X04LN	0.438	0.688	7/16-20	0.720	0.172	7/16-20	1.530	0.172
F5375X05X05LN	0.563	0.750	1/2-20	0.770	0.234	1/2-20	1.660	0.234
F5375X06X06LN	0.563	0.813	9/16-18	0.830	0.297	9/16-18	1.670	0.297
F5375X08X06LN	0.750	0.813	3/4-16	0.980	0.391	9/16-18	1.830	0.297
F5375X08X08LN	0.750	1.000	3/4-16	0.980	0.391	3/4-16	1.940	0.391
F5375X10X10LN	0.875	1.125	7/8-14	1.110	0.484	7/8-14	2.170	0.484
F5375X12X12LN	1.063	1.375	1-1/16-12	1.280	0.609	1-1/16-12	2.440	0.609
F5375X16X16LN	1.313	1.625	1-5/16-12	1.470	0.844	1-5/16-12	2.560	0.844
F5375X20X20LN	1.625	1.875	1-5/8-12	1.590	1.078	1-5/8-12	2.650	1.078
F5375X24X24LN	1.875	2.125	1-7/8-12	1.780	1.313	1-7/8-12	2.670	1.313

ELBOWS

MALE JIC TO MALE PIPE 90° ELBOW

WWF PART # F5405
SAE: 070202
 Industry Standard: 2501
 Parker: CTX
 Aeroquip: 2024
 Gates: MJ-MP90
 Gates Global: G60499
 Fittings Unlimited: Y-2501-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5405X02X02	0.438	5/16-24	0.770	0.063	1/8-27	0.720	0.188
F5405X02X04	0.563	5/16-24	0.940	0.063	1/4-18	1.090	0.281
F5405X03X02	0.438	3/8-24	0.830	0.125	1/8-27	0.720	0.188
F5405X04X02	0.438	7/16-20	0.890	0.172	1/8-27	0.780	0.188
F5405X04X04	0.563	7/16-20	1.050	0.172	1/4-18	1.090	0.281
F5405X04X06	0.750	7/16-20	1.120	0.172	3/8-18	1.220	0.406
F5405X04X08	0.875	7/16-20	1.210	0.172	1/2-14	1.470	0.531
F5405X04X12	1.063	7/16-20	1.660	0.172	3/4-14	1.590	0.719
F5405X05X02	0.563	1/2-20	0.950	0.234	1/8-27	0.780	0.188
F5405X05X04	0.563	1/2-20	1.050	0.234	1/4-18	1.090	0.281
F5405X05X06	0.750	1/2-20	1.120	0.234	3/8-18	1.220	0.406
F5405X05X08	0.875	1/2-20	1.210	0.234	1/2-14	1.470	0.531
F5405X06X02	0.563	9/16-18	1.060	0.297	1/8-27	0.900	0.188
F5405X06X04	0.563	9/16-18	1.060	0.297	1/4-18	1.090	0.281
F5405X06X06	0.750	9/16-18	1.140	0.297	3/8-18	1.220	0.406
F5405X06X08	0.875	9/16-18	1.220	0.297	1/2-14	1.470	0.531
F5405X06X12	1.063	9/16-18	1.310	0.297	3/4-14	1.590	0.719
F5405X08X02	0.750	3/4-16	1.250	0.391	1/8-27	1.030	0.188
F5405X08X04	0.750	3/4-16	1.250	0.391	1/4-18	1.220	0.281
F5405X08X06	0.750	3/4-16	1.250	0.391	3/8-18	1.220	0.406
F5405X08X08	0.875	3/4-16	1.330	0.391	1/2-14	1.470	0.531
F5405X08X12	1.063	3/4-16	1.420	0.391	3/4-14	1.590	0.719
F5405X08X16	1.313	3/4-16	1.520	0.391	1-11-1/2	1.970	0.938
F5405X10X06	0.875	7/8-14	1.450	0.484	3/8-18	1.280	0.406
F5405X10X08	0.875	7/8-14	1.450	0.484	1/2-14	1.470	0.531
F5405X10X12	1.063	7/8-14	1.540	0.484	3/4-14	1.590	0.719
F5405X10X16	1.313	7/8-14	1.640	0.484	1-11-1/2	1.970	0.938
F5405X12X06	1.063	1-1/16-12	1.660	0.609	3/8-18	1.400	0.406
F5405X12X08	1.063	1-1/16-12	1.660	0.609	1/2-14	1.590	0.531
F5405X12X12	1.063	1-1/16-12	1.660	0.609	3/4-14	1.590	0.719
F5405X12X16	1.313	1-1/16-12	1.760	0.609	1-11-1/2	1.970	0.938
F5405X12X20	1.625	1-1/16-12	1.970	0.609	1-1/4-11-1/2	2.380	1.250
F5405X12X24	1.875	1-1/16-12	2.110	0.609	1-1/2-11-12	2.640	1.500
F5405X14X12	1.313	1-3/16-12	1.800	0.719	3/4-14	1.690	0.719

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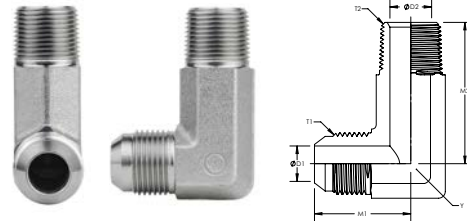
MALE JIC TO MALE PIPE 90° ELBOW – Continued

PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5405X16X08	1.313	1-5/16-12	1.810	0.844	1/2-14	1.780	0.531
F5405X16X12	1.313	1-5/16-12	1.810	0.844	3/4-14	1.780	0.719
F5405X16X16	1.313	1-5/16-12	1.810	0.844	1-11-1/2	1.970	0.938
F5405X16X20	1.625	1-5/16-12	2.010	0.844	1-1/4-11-1/2	2.380	1.250
F5405X16X24	1.875	1-5/16-12	2.160	0.844	1-1/2-11-12	2.640	1.500
F5405X20X12	1.625	1-5/8-12	2.060	1.078	3/4-14	2.160	0.719
F5405X20X16	1.625	1-5/8-12	2.060	1.078	1-11-1/2	2.350	0.938
F5405X20X20	1.625	1-5/8-12	2.060	1.078	1-1/4-11-1/2	2.380	1.250
F5405X20X24	1.875	1-5/8-12	2.200	1.078	1-1/2-11-12	2.640	1.500
F5405X24X16	1.875	1-7/8-12	2.330	1.313	1-11-1/2	2.580	0.938
F5405X24X20	1.875	1-7/8-12	2.330	1.313	1-1/4-11-1/2	2.610	1.250
F5405X24X24	1.875	1-7/8-12	2.330	1.313	1-1/2-11-12	2.640	1.500
F5405X24X32	2.500	1-7/8-12	2.810	1.313	2-11-1/2	3.000	1.938
F5405X32X24	2.500	2-1/2-12	3.060	1.781	1-1/2-11-12	2.970	1.500
F5405X32X32	2.500	2-1/2-12	3.060	1.781	2-11-1/2	3.000	1.938

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MALE JIC TO MALE PIPE 90° ELBOW LONG

WWF PART # F5425
SAE: 071502
Industry Standard: 2501-L
Parker: CCTX
Aeroquip: 202411
Fittings Unlimited: 2501-L

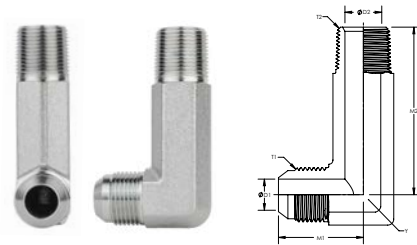


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5425X04X02	0.438	7/16-20	0.890	0.172	1/8-27	1.170	0.188
F5425X04X04	0.563	7/16-20	1.050	0.172	1/4-18	1.580	0.281
F5425X05X04	0.563	1/2-20	1.050	0.234	1/4-18	1.580	0.281
F5425X06X02	0.563	9/16-18	1.060	0.297	1/8-27	1.390	0.188
F5425X06X04	0.563	9/16-18	1.060	0.297	1/4-18	1.580	0.281
F5425X06X06	0.750	9/16-18	1.140	0.297	3/8-18	1.820	0.406
F5425X06X08	0.875	9/16-18	1.220	0.297	1/2-14	2.170	0.531
F5425X08X04	0.750	3/4-16	1.250	0.391	1/4-18	1.820	0.281
F5425X08X06	0.750	3/4-16	1.250	0.391	3/8-18	1.820	0.406
F5425X08X08	0.875	3/4-16	1.330	0.391	1/2-14	2.170	0.531
F5425X08X12	1.063	3/4-16	1.420	0.391	3/4-14	2.440	0.719
F5425X10X08	0.875	7/8-14	1.450	0.484	1/2-14	2.170	0.531
F5425X10X12	1.063	7/8-14	1.540	0.484	3/4-14	2.440	0.719
F5425X12X12	1.063	1-1/16-12	1.660	0.609	3/4-14	2.440	0.719
F5425X12X16	1.313	1-1/16-12	1.760	0.609	1-11-1/2	3.010	0.938
F5425X14X12	1.313	1-3/16-12	1.800	0.719	3/4-14	2.590	0.719
F5425X16X16	1.313	1-5/16-12	1.810	0.844	1-11-1/2	3.010	0.938
F5425X20X20	1.625	1-5/8-12	2.060	1.078	1-1/4-11-1/2	3.690	1.250
F5425X24X24	1.875	1-7/8-12	2.330	1.313	1-1/2-11-1/2	4.100	1.500

ELBOWS

MALE JIC TO MALE PIPE 90° ELBOW EXTRA LONG

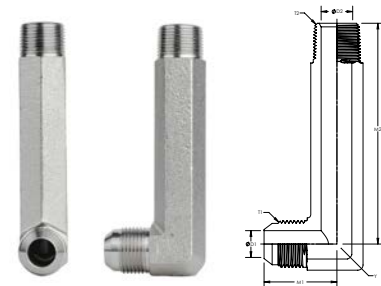
WWF PART # F5435
SAE: 071602
 Industry Standard: 2501-LL
 Parker: CCCTX
 Aeroquip: 202413
 Fittings Unlimited: Y-2501-F-LL



PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5435X04X02	0.438	7/16-20	0.890	0.172	1/8-27	1.560	0.188
F5435X04X04	0.563	7/16-20	1.050	0.172	1/4-18	2.070	0.281
F5435X05X02	0.563	1/2-20	0.950	0.234	1/8-27	1.630	0.188
F5435X05X04	0.563	1/2-20	1.050	0.234	1/4-18	2.070	0.281
F5435X06X04	0.563	9/16-18	1.060	0.297	1/4-18	2.070	0.281
F5435X06X06	0.750	9/16-18	1.140	0.297	3/8-18	2.420	0.406
F5435X06X08	0.875	9/16-18	1.220	0.297	1/2-14	2.870	0.531
F5435X08X06	0.750	3/4-16	1.250	0.391	3/8-18	2.420	0.406
F5435X08X08	0.875	3/4-16	1.330	0.391	1/2-14	2.870	0.531
F5435X10X08	0.875	7/8-14	1.450	0.484	1/2-14	2.870	0.531
F5435X12X08	1.063	1-1/16-12	1.660	0.609	1/2-14	3.280	0.531
F5435X12X12	1.063	1-1/16-12	1.660	0.609	3/4-14	3.280	0.719
F5435X14X12	1.313	1-3/16-12	1.800	0.719	3/4-14	3.500	0.719
F5435X16X16	1.313	1-5/16-12	1.810	0.844	1-11-1/2	4.050	0.938
F5435X20X20	1.625	1-5/8-12	2.060	1.078	1-1/4-11-1/2	5.000	1.250

MALE JIC TO MALE PIPE 90° ELBOW EXTRA EXTRA LONG

WWF PART # F5445
 Industry Standard: 2501-LLL
 Aeroquip: 202414
 Fittings Unlimited: Y-2501-F-LLL



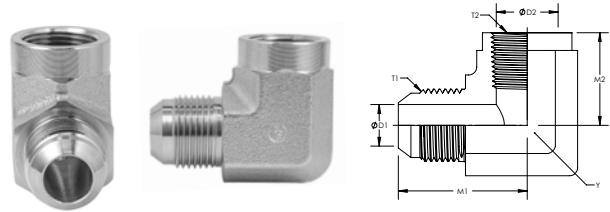
PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5445X04X02	0.438	7/16-20	0.890	0.172	1/8-27	2.310	0.188
F5445X04X04	0.563	7/16-20	1.050	0.172	1/4-18	3.060	0.281
F5445X06X04	0.563	9/16-18	1.060	0.297	1/4-18	3.060	0.281
F5445X06X06	0.750	9/16-18	1.140	0.297	3/8-18	3.750	0.406
F5445X08X06	0.750	3/4-16	1.250	0.391	3/8-18	3.750	0.406
F5445X08X08	0.875	3/4-16	1.330	0.391	1/2-14	4.500	0.531
F5445X10X08	0.875	7/8-14	1.450	0.484	1/2-14	4.500	0.531
F5445X12X12	1.063	1-1/16-12	1.660	0.609	3/4-14	5.030	0.719
F5445X16X16	1.313	1-5/16-12	1.810	0.844	1-11-1/2	6.340	0.938

ELBOWS

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MALE JIC TO FEMALE PIPE 90° ELBOW

WWF PART # F5455
SAE: 070203
Industry Standard: 2502
Parker: DTX
Aeroquip: 2025
Gates: MJ-FP90
Gates Global: G60514
Fittings Unlimited: Y-2502-F

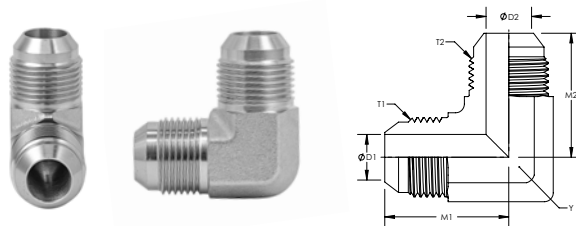


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5455X02X02	0.563	5/16-24	1.000	0.063	1/8-27	0.660	0.332
F5455X03X02	0.563	3/8-24	1.030	0.125	1/8-27	0.660	0.332
F5455X04X02	0.563	7/16-20	1.080	0.172	1/8-27	0.660	0.332
F5455X04X04	0.750	7/16-20	1.220	0.172	1/4-18	0.880	0.438
F5455X04X06	0.875	7/16-20	1.290	0.172	3/8-18	1.020	0.563
F5455X04X08	1.063	7/16-20	1.400	0.172	1/2-14	1.230	0.703
F5455X05X02	0.563	1/2-20	1.080	0.234	1/8-27	0.660	0.332
F5455X05X04	0.750	1/2-20	1.220	0.234	1/4-18	0.880	0.438
F5455X05X06	0.875	1/2-20	1.290	0.234	3/8-18	1.020	0.563
F5455X06X02	0.563	9/16-18	1.230	0.297	1/8-27	0.670	0.332
F5455X06X04	0.750	9/16-18	1.230	0.297	1/4-18	0.880	0.438
F5455X06X06	0.875	9/16-18	1.310	0.297	3/8-18	1.020	0.563
F5455X06X08	1.063	9/16-18	1.410	0.297	1/2-14	1.230	0.703
F5455X08X04	0.875	3/4-16	1.420	0.391	1/4-18	1.010	0.438
F5455X08X06	0.875	3/4-16	1.420	0.391	3/8-18	1.020	0.563
F5455X08X08	1.063	3/4-16	1.520	0.391	1/2-14	1.230	0.703
F5455X08X12	1.313	3/4-16	1.650	0.391	3/4-14	1.360	0.906
F5455X10X06	1.063	7/8-14	1.640	0.484	3/8-18	1.010	0.563
F5455X10X08	1.063	7/8-14	1.640	0.484	1/2-14	1.230	0.703
F5455X10X12	1.313	7/8-14	1.770	0.484	3/4-14	1.360	0.906
F5455X12X08	1.313	1-1/16-12	1.890	0.609	1/2-14	1.350	0.703
F5455X12X12	1.313	1-1/16-12	1.890	0.609	3/4-14	1.360	0.906
F5455X12X16	1.625	1-1/16-12	2.120	0.609	1-11-1/2	1.620	1.141
F5455X14X12	1.313	1-3/16-12	1.860	0.719	3/4-14	1.420	0.906
F5455X16X12	1.313	1-5/16-12	2.170	0.844	3/4-14	1.390	0.906
F5455X16X16	1.625	1-5/16-12	2.170	0.844	1-11-1/2	1.620	1.141
F5455X16X20	1.875	1-5/16-12	2.280	0.844	1-1/4-11-1/2	1.700	1.484
F5455X20X20	1.875	1-5/8-12	2.330	1.078	1-1/4-11-1/2	1.700	1.484
F5455X24X24	2.562	1-7/8-12	2.890	1.313	1-1/2-11-1/2	2.080	1.744
F5455X32X32	2.812	2-1/2-12	3.300	1.781	2-11-1/2	2.390	2.213

ELBOWS

MALE JIC UNION 90° ELBOW

WWF PART # F5505
SAE: 070201
Industry Standard: 2500
Parker: ETX
Aeroquip: 2039
Gates: MJ-MJ90
Gates Global: G60417

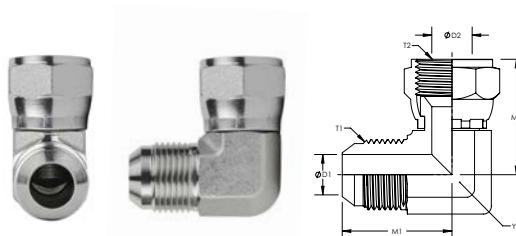


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5505X02X02	0.438	5/16-24	0.770	0.063	5/16-24	0.770	0.063
F5505X03X03	0.438	3/8-24	0.830	0.125	3/8-24	0.830	0.125
F5505X04X04	0.438	7/16-20	0.890	0.172	7/16-20	0.890	0.172
F5505X05X05	0.563	1/2-20	0.950	0.234	1/2-20	0.950	0.234
F5505X06X04	0.563	9/16-18	1.060	0.297	7/16-20	1.050	0.172
F5505X06X05	0.563	9/16-18	1.060	0.297	1/2 -20	1.050	0.234
F5505X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.060	0.297
F5505X08X04	0.750	3/4-16	1.250	0.391	7/16-20	1.120	0.172
F5505X08X06	0.750	3/4-16	1.250	0.391	9/16-18	1.140	0.297
F5505X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.250	0.391
F5505X10X08	0.875	7/8-14	1.450	0.484	3/4-16	1.330	0.391
F5505X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484
F5505X12X08	1.063	1-1/16-12	1.660	0.609	3/4-16	1.420	0.391
F5505X12X10	1.063	1-1/16-12	1.660	0.609	7/8-14	1.540	0.484
F5505X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609
F5505X14X14	1.313	1-3/16-12	1.800	0.719	1-3/16-12	1.800	0.719
F5505X16X12	1.313	1-5/16-12	1.810	0.844	1-1/16-12	1.760	0.609
F5505X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844
F5505X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.060	1.078
F5505X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.330	1.313
F5505X32X32	2.500	2-1/2-12	3.060	1.781	2-1/2-12	3.060	1.781

ELBOWS

MALE JIC TO FEMALE JIC SWIVEL 90° ELBOW

WWF PART # F5506
SAE: 070221
 Industry Standard: 6500
 Parker: C6X
 Aeroquip: 2071
 Gates: MJ-FJX90
 Gates Global: G60422
 Fittings Unlimited: Y-6500-F

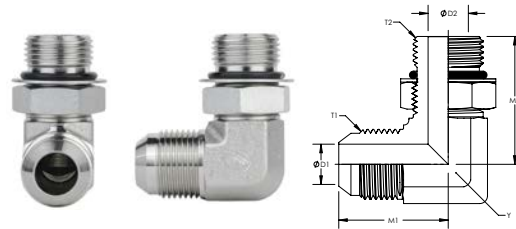


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5506X02X02	0.438	5/16-24	0.770	0.063	5/16-24	0.970	0.063
F5506X03X03	0.438	3/8-24	0.830	0.125	3/8-24	1.000	0.125
F5506X04X04	0.438	7/16-20	0.890	0.172	7/16-20	1.000	0.172
F5506X04X06	0.563	7/16-20	1.050	0.172	9/16-18	1.250	0.297
F5506X05X05	0.563	1/2-20	0.950	0.234	1/2-20	1.060	0.234
F5506X06X04	0.563	9/16-18	1.060	0.297	7/16-20	1.240	0.172
F5506X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.250	0.297
F5506X06X08	0.750	9/16-18	1.140	0.297	3/4-16	1.380	0.391
F5506X08X06	0.750	3/4-16	1.250	0.391	9/16-18	1.290	0.297
F5506X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.380	0.391
F5506X08X10	0.875	3/4-16	1.330	0.391	7/8-14	1.620	0.484
F5506X08X12	1.063	3/4-16	1.420	0.391	1-1/16-12	1.750	0.609
F5506X10X08	0.875	7/8-14	1.450	0.484	3/4-16	1.520	0.391
F5506X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.620	0.484
F5506X10X12	1.063	7/8-14	1.540	0.484	1-1/16-12	1.750	0.609
F5506X12X08	1.063	1-1/16-12	1.660	0.609	3/4-16	1.550	0.391
F5506X12X10	1.063	1-1/16-12	1.660	0.609	7/8-14	1.630	0.484
F5506X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.750	0.609
F5506X12X16	1.313	1-1/16-12	1.760	0.609	1-5/16-12	2.000	0.844
F5506X16X12	1.313	1-5/16-12	1.810	0.844	1-1/16-12	1.910	0.609
F5506X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	2.000	0.844
F5506X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.310	1.078
F5506X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.590	1.313
F5506X32X32	2.500	2-1/2-12	3.060	1.781	2-1/2-12	3.380	1.781

ELBOWS

MALE JIC TO MALE ORB 90° ELBOW

WWF PART # F5515
SAE: 070220
Industry Standard: 6801
Parker: C5OX
Aeroquip: 2062
Gates: MB-MJ90
Gates Global: G60312
Fittings Unlimited: Y-6801-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5515X02X02	0.438	5/16-24	0.770	0.063	5/16-24	0.940	0.063
F5515X03X03	0.438	3/8-24	0.830	0.125	3/8-24	0.940	0.125
F5515X04X02	0.438	7/16-20	0.890	0.172	5/16-24	0.920	0.063
F5515X04X03	0.438	7/16-20	0.890	0.172	3/8-24	1.030	0.125
F5515X04X04	0.438	7/16-20	0.890	0.172	7/16-20	1.030	0.172
F5515X04X05	0.563	7/16-20	0.950	0.172	1/2-20	1.130	0.234
F5515X04X06	0.563	7/16-20	1.050	0.172	9/16-18	1.250	0.297
F5515X04X08	0.750	7/16-20	1.120	0.172	3/4-16	1.450	0.391
F5515X05X04	0.563	1/2-20	0.950	0.234	7/16-20	1.130	0.172
F5515X05X05	0.563	1/2-20	0.950	0.234	1/2-20	1.130	0.234
F5515X05X06	0.563	1/2-20	1.050	0.234	9/16-18	1.250	0.297
F5515X05X08	0.750	1/2-20	1.120	0.234	3/4-16	1.450	0.391
F5515X06X04	0.563	9/16-18	1.060	0.297	7/16-20	1.190	0.172
F5515X06X05	0.563	9/16-18	1.060	0.297	1/2-20	1.190	0.234
F5515X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.250	0.297
F5515X06X08	0.750	9/16-18	1.140	0.297	3/4-16	1.450	0.391
F5515X06X10	0.875	9/16-18	1.220	0.297	7/8-14	1.700	0.484
F5515X06X12	1.063	9/16-18	1.310	0.297	1-1/16-12	1.940	0.609
F5515X08X04	0.750	3/4-16	1.250	0.391	7/16-20	1.260	0.172
F5515X08X06	0.750	3/4-16	1.250	0.391	9/16-18	1.320	0.297
F5515X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.450	0.391
F5515X08X10	0.875	3/4-16	1.330	0.391	7/8-14	1.700	0.484
F5515X08X12	1.063	3/4-16	1.420	0.391	1-1/16-12	1.940	0.609
F5515X08X16	1.313	3/4-16	1.520	0.391	1-5/16-12	2.050	0.844
F5515X10X06	0.875	7/8-14	1.450	0.484	9/16-18	1.410	0.297
F5515X10X08	0.875	7/8-14	1.450	0.484	3/4-16	1.540	0.391
F5515X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.700	0.484
F5515X10X12	1.063	7/8-14	1.540	0.484	1-1/16-12	1.940	0.609
F5515X10X16	1.313	7/8-14	1.640	0.484	1-5/16-12	2.050	0.844
F5515X12X06	1.063	1-1/16-12	1.660	0.609	9/16-18	1.490	0.297
F5515X12X08	1.063	1-1/16-12	1.660	0.609	3/4-16	1.620	0.391
F5515X12X10	1.063	1-1/16-12	1.660	0.609	7/8-14	1.780	0.484
F5515X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.940	0.609
F5515X12X14	1.313	1-1/16-12	1.770	0.609	1-3/16-12	2.000	0.719

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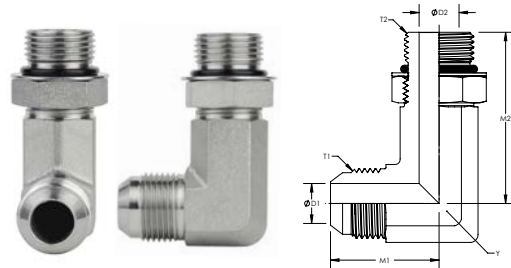
MALE JIC TO MALE ORB 90° ELBOW – Continued

PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5515X12X16	1.313	1-1/16-12	1.760	0.609	1-5/16-12	2.050	0.844
F5515X12X20	1.625	1-1/16-12	1.970	0.609	1-5/8-12	2.250	1.078
F5515X14X12	1.313	1-3/16-12	1.800	0.719	1-1/16-12	2.000	0.609
F5515X14X14	1.313	1-3/16-12	1.800	0.719	1-3/16-12	2.000	0.719
F5515X16X08	1.313	1-5/16-12	1.810	0.844	3/4-16	1.730	0.391
F5515X16X10	1.313	1-5/16-12	1.810	0.844	7/8-14	1.890	0.484
F5515X16X12	1.313	1-5/16-12	1.810	0.844	1-1/16-12	2.050	0.609
F5515X16X14	1.313	1-5/16-12	1.810	0.844	1-3/16-12	2.050	0.719
F5515X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	2.050	0.844
F5515X16X20	1.625	1-5/16-12	2.010	0.844	1-5/8-12	2.250	1.078
F5515X16X24	1.875	1-5/16-12	2.160	0.844	1-7/8-12	2.390	1.313
F5515X20X12	1.625	1-5/8-12	2.060	1.078	1-1/16-12	2.250	0.609
F5515X20X16	1.625	1-5/8-12	2.060	1.078	1-5/16-12	2.250	0.844
F5515X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.250	1.078
F5515X20X24	1.875	1-5/8-12	2.200	1.078	1-7/8-12	2.390	1.313
F5515X24X16	1.875	1-7/8-12	2.330	1.313	1-5/16-12	2.390	0.844
F5515X24X20	1.875	1-7/8-12	2.330	1.313	1-5/8-12	2.390	1.078
F5515X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.390	1.313
F5515X32X24	2.500	2-1/2-12	3.060	1.781	1-7/8-12	2.890	1.313
F5515X32X32	2.500	2-1/2-12	3.060	1.781	2-1/2-12	2.890	1.781

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MALE JIC TO MALE ORB 90° ELBOW LONG

WWF PART # F5515L
SAE: 071520
Industry Standard: 6801-L
Fittings Unlimited: Y-6801-F-L



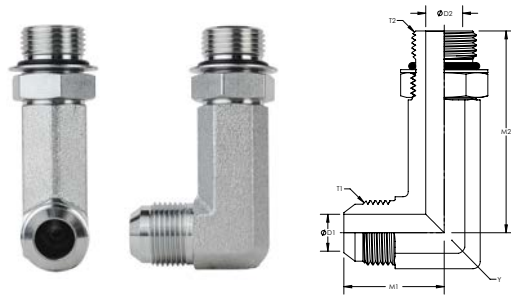
PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5515X04X04L	0.438	7/16-20	0.890	0.172	7/16-20	1.540	0.172
F5515X04X06L	0.563	7/16-20	1.050	0.172	9/16-18	1.660	0.297
F5515X06X06L	0.563	9/16-18	1.060	0.297	9/16-18	1.660	0.297
F5515X06X08L	0.750	9/16-18	1.140	0.297	3/4-16	1.970	0.391
F5515X08X08L	0.750	3/4-16	1.250	0.391	3/4-16	1.970	0.391
F5515X08X10L	0.875	3/4-16	1.330	0.391	7/8-14	2.260	0.484
F5515X10X08L	0.875	7/8-14	1.450	0.484	3/4-16	2.210	0.391
F5515X10X10L	0.875	7/8-14	1.450	0.484	7/8-14	2.260	0.484
F5515X12X12L	1.063	1-1/16-12	1.660	0.609	1-1/16-12	2.620	0.609
F5515X16X16L	1.313	1-5/16-12	1.810	0.844	1-5/16-12	3.060	0.844

ELBOWS

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MALE JIC TO MALE ORB 90° ELBOW EXTRA LONG

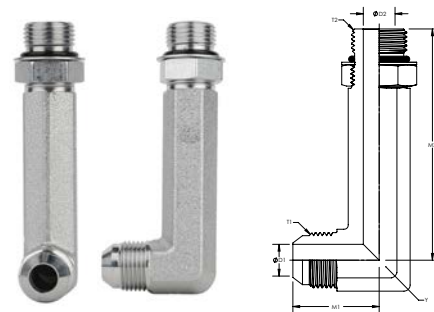
WWF PART # F5515LL
SAE: 071620
 Industry Standard: 6801-LL
 Parker: CC50X
 Aeroquip: 206209
 Fittings Unlimited: Y-6801-F-LL



PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5515X04X04LL	0.438	7/16-20	0.890	0.172	7/16-20	1.730	0.172
F5515X04X06LL	0.563	7/16-20	1.050	0.172	9/16-18	2.080	0.297
F5515X06X06LL	0.563	9/16-18	1.060	0.297	9/16-18	2.080	0.297
F5515X06X08LL	0.750	9/16-18	1.140	0.297	3/4-16	2.480	0.391
F5515X08X06LL	0.750	3/4-16	1.250	0.391	9/16-18	2.350	0.297
F5515X08X08LL	0.750	3/4-16	1.250	0.391	3/4-16	2.480	0.391
F5515X08X10LL	0.875	3/4-16	1.330	0.391	7/8-14	2.890	0.484
F5515X10X08LL	0.875	7/8-14	1.450	0.484	3/4-16	2.560	0.391
F5515X10X10LL	0.875	7/8-14	1.450	0.484	7/8-14	2.890	0.484
F5515X12X12LL	1.063	1-1/16-12	1.660	0.609	1-1/16-12	3.340	0.609
F5515X12X16LL	1.313	1-1/16-12	1.760	0.609	1-5/16-12	3.720	0.844
F5515X16X12LL	1.313	1-5/16-12	1.810	0.844	1-1/16-12	3.460	0.609
F5515X16X16LL	1.313	1-5/16-12	1.810	0.844	1-5/16-12	3.720	0.844
F5515X20X20LL	1.625	1-5/8-12	2.060	1.078	1-5/8-12	4.410	1.078

MALE JIC TO MALE ORB 90° ELBOW EXTRA EXTRA LONG

WWF PART # F5515LLL
SAE: 072120
 Industry Standard: 6801-LLL
 Parker: CCC50X
 Fittings Unlimited: Y-6801-F-LLL



PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5515X04X04LLL	0.438	7/16-20	0.890	0.172	7/16-20	2.440	0.172
F5515X06X06LLL	0.563	9/16-18	1.060	0.297	9/16-18	2.910	0.297
F5515X08X08LLL	0.750	3/4-16	1.250	0.391	3/4-16	3.530	0.391

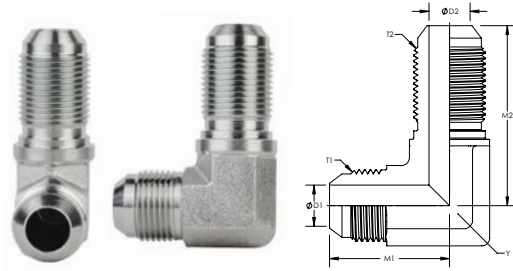
ELBOWS

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MALE JIC TO MALE JIC BULKHEAD 90° UNION ELBOW

WWF PART # F5525
SAE: 070701

Industry Standard: 2701
Parker: WETX
Aeroquip: 2043-1
Fittings Unlimited: Y-2701-F

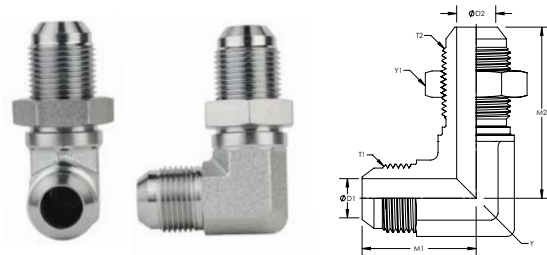


PART #	Y HEX	T1	M1	D1	T2	M2	D2
F5525X03X03	0.438	3/8-24	0.940	0.125	3/8-24	1.500	0.125
F5525X04X04	0.438	7/16-20	0.970	0.172	7/16-20	1.590	0.172
F5525X05X05	0.563	1/2-20	1.060	0.234	1/2-20	1.720	0.234
F5525X06X06	0.563	9/16-18	1.090	0.297	9/16-18	1.810	0.297
F5525X08X08	0.750	3/4-16	1.360	0.391	3/4-16	2.110	0.391
F5525X10X10	0.875	7/8-14	1.560	0.484	7/8-14	2.390	0.484
F5525X12X12	1.063	1-1/16-12	1.780	0.609	1-1/16-12	2.670	0.609
F5525X16X16	1.313	1-5/16-12	1.940	0.844	1-5/16-12	2.800	0.844
F5525X20X20	1.625	1-5/8-12	2.170	1.078	1-5/8-12	3.120	1.078

MALE JIC TO MALE JIC BULKHEAD 90° UNION ELBOW WITH LOCKNUT

WWF PART # F5525LN
SAE: 070701

Industry Standard: 2701-LN
Parker: WETX-WLN
Aeroquip: 2043
Gates: MJ-BKHD90
Gates Global: G60447
Fittings Unlimited: Y-2701-F-LN



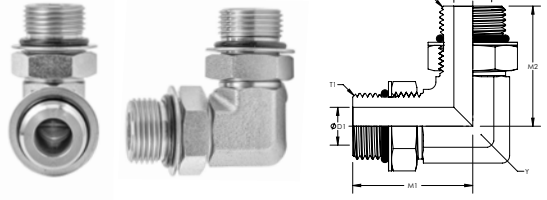
PART #	Y HEX	Y1 HEX	T1	M1	D1	T2	M2	D2
F5525X03X03LN	0.438	0.625	3/8-24	0.940	0.125	3/8-24	1.500	0.125
F5525X04X04LN	0.438	0.688	7/16-20	0.970	0.172	7/16-20	1.590	0.172
F5525X05X05LN	0.563	0.750	1/2-20	1.060	0.234	1/2-20	1.720	0.234
F5525X06X06LN	0.563	0.813	9/16-18	1.090	0.297	9/16-18	1.810	0.297
F5525X08X08LN	0.750	1.000	3/4-16	1.360	0.391	3/4-16	2.110	0.391
F5525X10X10LN	0.875	1.125	7/8-14	1.560	0.484	7/8-14	2.390	0.484
F5525X12X12LN	1.063	1.375	1-1/16-12	1.780	0.609	1-1/16-12	2.670	0.609
F5525X16X16LN	1.313	1.625	1-5/16-12	1.940	0.844	1-5/16-12	2.800	0.844
F5525X20X20LN	1.625	1.875	1-5/8-12	2.170	1.078	1-5/8-12	3.120	1.078

ELBOWS

MALE ADJUSTABLE ORB UNION ELBOW

WWF PART # 6807

Industry Standard: 6807
Parker: AOEO
Fittings Unlimited: Y-6807-F-NWO

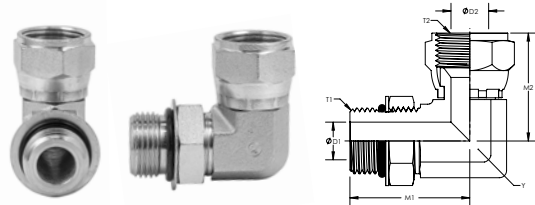


PART #	Y HEX	T1	M1	D1	T2	M2	D2
6807X04X04	0.438	7/16-20	1.030	0.172	7/16-20	1.030	0.172
6807X06X06	0.563	9/16-18	1.250	0.297	9/16-18	1.250	0.297
6807X08X06	0.750	3/4-16	1.450	0.391	9/16-18	1.320	0.297
6807X08X08	0.750	3/4-16	1.450	0.391	3/4-16	1.450	0.391
6807X12X12	1.063	1-1/16-12	1.940	0.609	1-1/16-12	1.940	0.609
6807X16X16	1.313	1-5/16-12	2.050	0.844	1-5/16-12	2.050	0.844
6807X20X20	1.625	1-5/8-12	2.250	1.078	1-5/8-12	2.250	1.078
6807X24X24	1.875	1-7/8-12	2.390	1.313	1-7/8-12	2.390	1.313

MALE ADJUSTABLE ORB TO FEMALE JIC SWIVEL 90° ELBOW

WWF PART # 6809

Industry Standard: 6809
Parker: AOEX6
Fittings Unlimited: Y-6809-F-NWO

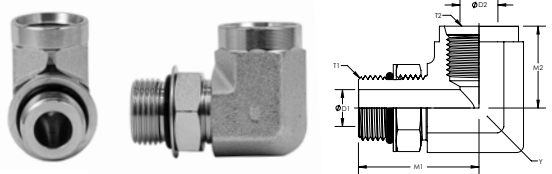


PART #	Y HEX	T1	M1	D1	T2	M2	D2
6809X04X04	0.438	7/16-20	1.030	0.172	7/16-20	1.000	0.172
6809X06X06	0.563	9/16-18	1.250	0.297	9/16-18	1.250	0.297
6809X08X08	0.750	3/4-16	1.450	0.391	3/4-16	1.380	0.391
6809X12X12	1.063	1-1/16-12	1.940	0.609	1-1/16-12	1.750	0.609
6809X16X16	1.313	1-5/16-12	2.050	0.844	1-5/16-12	2.000	0.844

MALE ADJUSTABLE ORB TO FEMALE ORB 90° ELBOW

WWF PART # 6815

Industry Standard: 6815
Parker: AOEG5
Aeroquip: FF2591
Fittings Unlimited: Y-6815-F-NWO



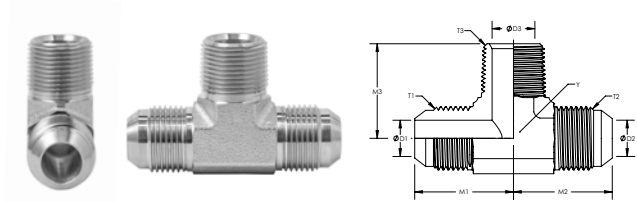
PART #	Y HEX	T1	M1	D1	T2	M2	D2
6815X04X04	0.750	7/16-20	1.260	0.172	7/16-20	0.830	0.172
6815X06X06	0.875	9/16-18	1.410	0.297	9/16-18	1.020	0.297
6815X06X08	1.063	9/16-18	1.490	0.297	3/4-16	1.230	0.391
6815X08X06	0.875	3/4-16	1.591	0.391	9/16-18	1.020	0.297
6815X08X08	1.063	3/4-16	1.620	0.391	3/4-16	1.230	0.391
6815X10X10	1.063	7/8-14	1.780	0.484	7/8-14	1.230	0.492
6815X12X10	1.063	1-1/16-12	1.949	0.609	7/8-14	1.004	0.492
6815X12X12	1.313	1-1/16-12	2.000	0.609	1-1/16-12	1.360	0.609
6815X16X16	1.625	1-5/16-12	2.250	0.844	1-5/16-12	1.620	0.827

TEES

MALE JIC TO MALE PIPE BRANCH TEE

WWF PART # F5605
SAE: 070425

Industry Standard: 2601
Parker: STX
Aeroquip: 2030
Gates: MJ-MJ-MP
Gates Global: G60551
Fittings Unlimited: Y-2601-F



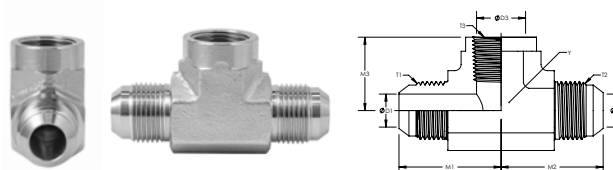
PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5605X03X03X02	0.438	3/8-24	0.830	0.125	3/8-24	0.830	0.125	1/8-27	0.720	0.188
F5605X04X04X02	0.438	7/16-20	0.890	0.172	7/16-20	0.890	0.172	1/8-27	0.780	0.188
F5605X04X04X04	0.563	7/16-20	1.050	0.172	7/16-20	1.050	0.172	1/4-18	1.090	0.281
F5605X04X04X06	0.750	7/16-20	1.120	0.172	7/16-20	1.120	0.172	3/8-18	1.220	0.406
F5605X06X06X04	0.563	9/16-18	1.060	0.297	9/16-18	1.060	0.297	1/4-18	1.090	0.281
F5605X06X06X06	0.750	9/16-18	1.140	0.297	9/16-18	1.140	0.297	3/8-18	1.220	0.406
F5605X06X06X08	0.875	9/16-18	1.220	0.297	9/16-18	1.220	0.297	1/2-14	1.470	0.531
F5605X08X08X04	0.750	3/4-16	1.250	0.391	3/4-16	1.250	0.391	1/4-18	1.160	0.281
F5605X08X08X06	0.750	3/4-16	1.250	0.391	3/4-16	1.250	0.391	3/8-18	1.220	0.406
F5605X08X08X08	0.875	3/4-16	1.330	0.391	3/4-16	1.330	0.391	1/2-14	1.470	0.531
F5605X08X08X12	1.063	3/4-16	1.420	0.391	3/4-16	1.420	0.391	3/4-14	1.590	0.719
F5605X10X10X06	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484	3/8-18	1.340	0.406
F5605X10X10X08	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484	1/2-14	1.470	0.531
F5605X10X10X12	1.063	7/8-14	1.540	0.484	7/8-14	1.540	0.484	3/4-14	1.590	0.719
F5605X12X12X08	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609	1/2-14	1.270	0.531
F5605X12X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609	3/4-14	1.590	0.719
F5605X12X12X16	1.313	1-1/16-12	1.760	0.609	1-1/16-12	1.760	0.609	1-11-1/2	1.970	0.938
F5605X16X16X12	1.313	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844	3/4-14	1.970	0.719
F5605X16X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844	1-11-1/2	1.970	0.938
F5605X20X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.060	1.078	1-1/4-11-1/2	2.380	1.250
F5605X24X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.330	1.313	1-1/2-11-1/2	2.640	1.500
F5605X32X32X32	2.500	2-1/2-12	3.060	1.781	2-1/2-12	3.060	1.781	2-11-1/2	3.000	1.938

TEES

MALE JIC TO FEMALE PIPE BRANCH TEE

WWF PART # **F5655**
SAE: 070427

Industry Standard: 2602
Parker: OTX
Aeroquip: 2031
Fittings Unlimited: Y-2602-F

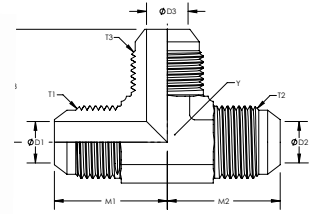
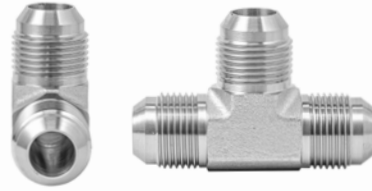


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5655X04X04X02	0.563	7/16-20	1.080	0.172	7/16-20	1.080	0.172	1/8-27	0.660	0.332
F5655X04X04X04	0.750	7/16-20	1.220	0.172	7/16-20	1.220	0.172	1/4-18	0.880	0.438
F5655X05X05X02	0.563	1/2-20	1.080	0.234	1/2-20	1.080	0.234	1/8-27	0.660	0.332
F5655X06X06X04	0.750	9/16-18	1.230	0.297	9/16-18	1.230	0.297	1/4-18	0.880	0.438
F5655X06X06X06	0.875	9/16-18	1.310	0.297	9/16-18	1.310	0.297	3/8-18	1.020	0.563
F5655X08X08X04	0.875	3/4-16	1.420	0.391	3/4-16	1.420	0.391	1/4-18	1.010	0.438
F5655X08X08X06	0.875	3/4-16	1.420	0.391	3/4-16	1.420	0.391	3/8-18	1.020	0.563
F5655X08X08X08	1.063	3/4-16	1.520	0.391	3/4-16	1.520	0.391	1/2-14	1.230	0.703
F5655X10X10X08	1.063	7/8-14	1.640	0.484	7/8-14	1.640	0.484	1/2-14	1.230	0.703
F5655X10X10X12	1.313	7/8-14	1.770	0.484	7/8-14	1.770	0.484	3/4-14	1.360	0.906
F5655X12X12X08	1.313	1-1/16-12	1.890	0.609	1-1/16-12	1.890	0.609	1/2-14	1.350	0.703
F5655X12X12X12	1.313	1-1/16-12	1.890	0.609	1-1/16-12	1.890	0.609	3/4-14	1.360	0.906
F5655X12X12X16	1.625	1-1/16-12	2.120	0.609	1-1/16-12	2.120	0.609	1-11-1/2	1.620	1.141
F5655X14X14X12	1.313	1-3/16-12	1.860	0.719	1-3/16-12	1.860	0.719	3/4-14	1.420	0.906
F5655X16X16X12	1.625	1-5/16-12	2.170	0.844	1-5/16-12	2.170	0.844	3/4-14	1.390	0.906
F5655X16X16X16	1.625	1-5/16-12	2.170	0.844	1-5/16-12	2.170	0.844	1-11-1/2	1.620	1.141
F5655X20X20X20	1.875	1-5/8-12	2.330	1.078	1-5/8-12	2.330	1.078	1-1/4-11-1/2	1.700	1.484
F5655X24X24X24	2.562	1-7/8-12	2.890	1.313	1-7/8-12	2.890	1.313	1-1/2-11-1/2	2.080	1.744
F5655X32X32X32	2.812	2-1/2-12	3.300	1.781	2-1/2-12	3.300	1.781	2-11-1/2	2.390	2.213

TEES

MALE JIC UNION TEE

WWF PART # F5705
SAE: 070401
Industry Standard: 2603
Parker: JTX
Aeroquip: 2033
Gates: MJ-MJ-MJ
Gates Global: G60469
Fittings Unlimited: Y-2603-F

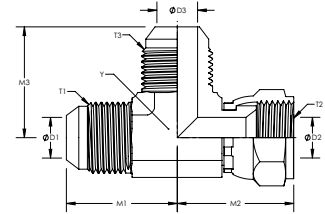
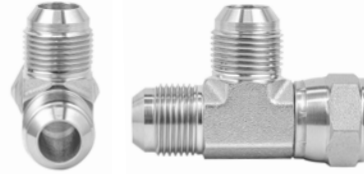


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5705X02X02X02	0.438	5/16-24	0.770	0.063	5/16-24	0.770	0.063	5/16-24	0.770	0.063
F5705X03X03X03	0.438	3/8-24	0.830	0.125	3/8-24	0.830	0.125	3/8-24	0.830	0.125
F5705X04X04X04	0.438	7/16-20	0.890	0.172	7/16-20	0.890	0.172	7/16-20	0.890	0.172
F5705X04X04X06	0.563	7/16-20	1.050	0.172	7/16-20	1.050	0.172	9/16-18	1.060	0.297
F5705X05X05X05	0.563	1/2-20	0.950	0.234	1/2-20	0.950	0.234	1/2-20	0.950	0.234
F5705X06X06X04	0.563	9/16-18	1.060	0.297	9/16-18	1.060	0.297	7/16-20	1.050	0.172
F5705X06X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.060	0.297	9/16-18	1.060	0.297
F5705X06X06X08	0.750	9/16-18	1.140	0.297	9/16-18	1.140	0.297	3/4-16	1.250	0.391
F5705X08X06X06	0.750	3/4-16	1.250	0.391	9/16-18	1.154	0.297	9/16-18	1.154	0.297
F5705X08X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.250	0.391	3/4-16	1.250	0.391
F5705X08X08X10	0.875	3/4-16	1.330	0.391	3/4-16	1.330	0.391	7/8-14	1.450	0.484
F5705X08X08X12	1.063	3/4-16	1.420	0.391	3/4-16	1.420	0.391	1-1/16-12	1.660	0.609
F5705X10X08X08	0.875	7/8-14	1.450	0.484	3/4-16	1.330	0.391	3/4-16	1.330	0.391
F5705X10X10X08	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484	3/4-16	1.330	0.391
F5705X10X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484	7/8-14	1.450	0.484
F5705X12X12X08	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609	3/4-16	1.420	0.391
F5705X12X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609
F5705X12X12X16	1.313	1-1/16-12	1.760	0.609	1-1/16-12	1.760	0.609	1-5/16-12	1.810	0.844
F5705X14X14X14	1.313	1-3/16-12	1.800	0.719	1-3/16-12	1.800	0.719	1-3/16-12	1.800	0.719
F5705X16X12X20	1.625	1-5/16-12	2.010	0.844	1-1/16-12	1.970	0.609	1-5/8-12	2.060	1.078
F5705X16X16X12	1.313	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844	1-1/16-12	1.760	0.609
F5705X16X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844
F5705X20X16X16	1.625	1-5/8-12	2.060	1.078	1-5/16-12	2.010	0.844	1-5/16-12	2.010	0.844
F5705X20X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.060	1.078	1-5/8-12	2.060	1.078
F5705X24X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.330	1.313	1-7/8-12	2.330	1.313
F5705X32X32X32	2.500	2-1/2-12	3.060	1.781	2-1/2-12	3.060	1.781	2-1/2-12	3.060	1.781

TEES

MALE JIC TO FEMALE JIC SWIVEL RUN TEE

WWF PART # F5706
SAE: 070432
Industry Standard: 6602
Parker: R6X
Aeroquip: 203102
Gates: MJ-FJX-MJ
Gates Global: G60473
Fittings Unlimited: Y-6602-F

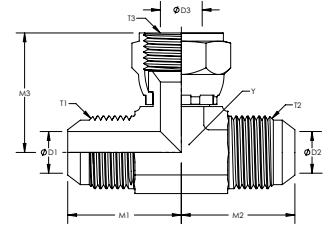


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5706X03X03X03	0.438	3/8-24	0.830	0.125	3/8-24	1.000	0.125	3/8-24	0.830	0.125
F5706X04X04X04	0.438	7/16-20	0.890	0.172	7/16-20	1.000	0.172	7/16-20	0.890	0.172
F5706X05X05X05	0.563	1/2-20	0.950	0.234	1/2-20	1.060	0.234	1/2-20	0.950	0.234
F5706X06X06X04	0.563	9/16-18	1.060	0.297	9/16-18	1.250	0.297	7/16-20	1.050	0.172
F5706X06X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.250	0.297	9/16-18	1.060	0.297
F5706X08X06X08	0.750	3/4-16	1.250	0.297	9/16-18	1.290	0.297	3/4-16	1.250	0.391
F5706X08X08X06	0.750	3/4-16	1.250	0.391	3/4-16	1.380	0.391	9/16-18	1.140	0.297
F5706X08X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.380	0.391	3/4-16	1.250	0.391
F5706X08X08X12	1.063	3/4-16	1.420	0.391	3/4-16	1.550	0.391	1-1/16-12	1.660	0.609
F5706X10X10X06	0.875	7/8-14	1.450	0.484	7/8-14	1.620	0.484	9/16-18	1.220	0.297
F5706X10X10X08	0.875	7/8-14	1.450	0.484	7/8-14	1.620	0.484	3/4-16	1.330	0.391
F5706X10X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.620	0.484	7/8-14	1.450	0.484
F5706X10X10X12	1.063	7/8-14	1.540	0.484	7/8-14	1.650	0.484	1-1/16-12	1.660	0.609
F5706X12X12X08	1.063	1-1/16-12	1.660	0.609	9/16-18	1.748	0.297	1-1/16-12	1.660	0.609
F5706X12X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.750	0.609	1-1/16-12	1.660	0.609
F5706X14X14X14	1.313	1-3/16-12	1.800	0.719	1-3/16-12	1.780	0.719	1-3/16-12	1.800	0.719
F5706X16X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	2.000	0.844	1-5/16-12	1.810	0.844
F5706X20X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.310	1.078	1-5/8-12	2.060	1.078
F5706X24X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.590	1.313	1-7/8-12	2.330	1.313
F5706X32X32X32	2.500	2-1/2-12	3.060	1.781	2-1/2-12	3.380	1.781	2-1/2-12	3.060	1.781

TEES

MALE JIC TO FEMALE JIC SWIVEL BRANCH TEE

WWF PART # F5707
SAE: 070433
Industry Standard: 6600
Parker: S6X
Aeroquip: 203101
Gates: MJ-MJ-FJX
Gates Global: G60470
Fittings Unlimited: Y-6600-F

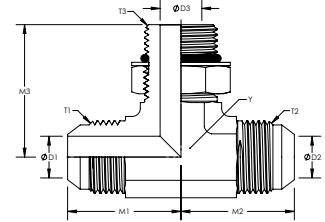
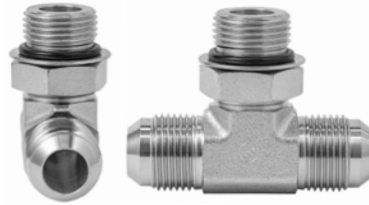


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5707X04X04X04	0.438	7/16-20	0.890	0.172	7/16-20	0.890	0.172	7/16-20	1.000	0.172
F5707X05X05X05	0.563	1/2-20	0.950	0.234	1/2-20	0.950	0.234	1/2-20	1.060	0.234
F5707X06X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.060	0.297	9/16-18	1.250	0.297
F5707X06X06X08	0.750	9/16-18	1.140	0.297	9/16-18	1.140	0.297	3/4-16	1.380	0.391
F5707X08X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.250	0.391	3/4-16	1.380	0.391
F5707X10X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484	7/8-14	1.620	0.484
F5707X12X10X12	1.063	1-1/16-12	1.660	0.609	7/8-14	1.540	0.484	1-1/16-12	1.750	0.609
F5707X12X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609	1-1/16-12	1.750	0.609
F5707X16X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844	1-5/16-12	2.000	0.844
F5707X20X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.060	1.078	1-5/8-12	2.310	1.078
F5707X24X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.330	1.313	1-7/8-12	2.590	1.313
F5707X32X32X32	2.500	2-1/2-12	3.060	1.781	2-1/2-12	3.060	1.781	2-1/2-12	3.380	1.781

TEES

MALE JIC TO MALE ORB BRANCH TEE

WWF PART # F5715
SAE: 070429
Industry Standard: 6803
Parker: S5OX
Aeroquip: 203003
Gates: MJ-MJ-MB
Gates Global: G60350
Fittings Unlimited: 6803-NWO



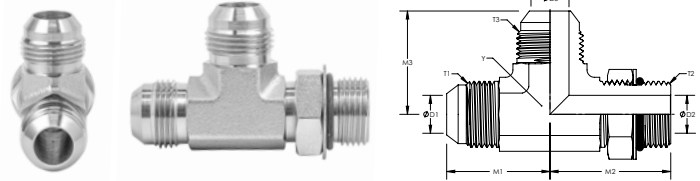
PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5715X02X02X02	0.438	5/16-24	0.770	0.063	5/16-24	0.770	0.063	5/16-24	0.940	0.063
F5715X04X04X03	0.438	7/16-20	0.890	0.172	7/16-20	0.890	0.172	3/8-24	1.030	0.125
F5715X04X04X04	0.438	7/16-20	0.890	0.172	7/16-20	0.890	0.172	7/16-20	1.030	0.172
F5715X04X04X06	0.563	7/16-20	1.050	0.172	7/16-20	1.050	0.172	9/16-18	1.250	0.297
F5715X05X05X05	0.563	1/2-20	0.950	0.234	1/2-20	0.950	0.234	1/2-20	1.130	0.234
F5715X06X06X04	0.563	9/16-18	1.060	0.297	9/16-18	1.060	0.297	7/16-20	1.190	0.172
F5715X06X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.060	0.297	9/16-18	1.250	0.297
F5715X06X06X08	0.750	9/16-18	1.140	0.297	9/16-18	1.140	0.297	3/4-16	1.450	0.391
F5715X08X08X06	0.750	3/4-16	1.250	0.391	3/4-16	1.250	0.391	9/16-18	1.320	0.297
F5715X08X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.250	0.391	3/4-16	1.450	0.391
F5715X08X08X10	0.875	3/4-16	1.330	0.391	3/4-16	1.330	0.391	7/8-14	1.700	0.484
F5715X10X10X08	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484	3/4-16	1.540	0.391
F5715X10X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484	7/8-14	1.700	0.484
F5715X12X10X12	1.063	1-1/16-12	1.660	0.484	7/8-14	1.540	0.484	1-1/16-12	1.940	0.609
F5715X12X12X08	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609	3/4-16	1.620	0.391
F5715X12X12X10	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609	7/8-14	1.780	0.484
F5715X12X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609	1-1/16-12	1.940	0.609
F5715X12X12X16	1.313	1-1/16-12	1.760	0.609	1-1/16-12	1.760	0.609	1-5/16-12	2.050	0.844
F5715X16X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844	1-5/16-12	2.050	0.844
F5715X20X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.060	1.078	1-5/8-12	2.250	1.078
F5715X24X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.330	1.313	1-7/8-12	2.390	1.313

TEES

MALE JIC TO MALE ORB RUN TEE

WWF PART # F5716
SAE: 070428

Industry Standard: 6804
Parker: R5OX
Aeroquip: 203005
Gates: MB-MJ-MJ
Gates Global: G60352
Fittings Unlimited: 6804-NWO



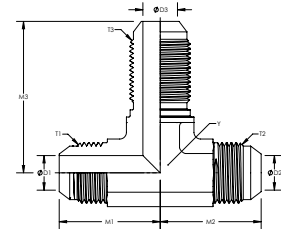
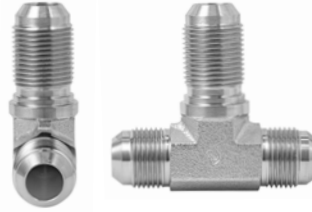
PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5716X04X02X04	0.438	7/16-20	0.890	0.172	5/16-24	0.920	0.063	7/16-20	0.890	0.172
F5716X04X04X04	0.438	7/16-20	0.890	0.172	7/16-20	1.030	0.172	7/16-20	0.890	0.172
F5716X04X04X06	0.563	7/16-20	1.050	0.172	7/16-20	1.190	0.172	9/16-18	1.060	0.297
F5716X04X06X04	0.563	7/16-20	1.050	0.172	9/16-18	1.250	0.297	7/16-20	1.050	0.172
F5716X04X06X06	0.563	7/16-20	1.050	0.172	9/16-18	1.250	0.297	9/16-18	1.060	0.297
F5716X05X05X05	0.563	1/2-20	0.950	0.234	1/2-20	1.130	0.234	1/2-20	0.950	0.234
F5716X06X04X06	0.563	9/16-18	1.060	0.297	7/16-20	1.190	0.172	9/16-18	1.060	0.297
F5716X06X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.250	0.297	9/16-18	1.060	0.297
F5716X06X06X08	0.750	9/16-18	1.140	0.297	9/16-18	1.320	0.297	3/4-16	1.250	0.391
F5716X06X08X06	0.750	9/16-18	1.140	0.297	3/4-16	1.450	0.391	9/16-18	1.140	0.297
F5716X08X06X08	0.750	3/4-16	1.250	0.391	9/16-18	1.320	0.297	3/4-16	1.250	0.391
F5716X08X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.450	0.391	3/4-16	1.250	0.391
F5716X08X10X08	0.875	3/4-16	1.330	0.391	7/8-14	1.700	0.484	3/4-16	1.330	0.391
F5716X10X08X10	0.875	7/8-14	1.450	0.484	3/4-16	1.540	0.391	7/8-14	1.450	0.484
F5716X10X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.700	0.484	7/8-14	1.450	0.484
F5716X12X10X12	1.063	1-1/16-12	1.660	0.609	7/8-14	1.780	0.484	1-1/16-12	1.660	0.609
F5716X12X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.940	0.609	1-1/16-12	1.660	0.609
F5716X16X12X16	1.313	1-5/16-12	1.810	0.844	1-1/16-12	2.050	0.609	1-5/16-12	1.810	0.844
F5716X16X16X12	1.313	1-5/16-12	1.810	0.844	1-5/16-12	2.050	0.844	1-1/16-12	1.760	0.609
F5716X16X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	2.050	0.844	1-5/16-12	1.810	0.844
F5716X20X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.250	1.078	1-5/8-12	2.060	1.078
F5716X24X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.390	1.313	1-7/8-12	2.330	1.313
F5716X32X32X32	2.500	2-1/2-12	3.060	1.781	2-1/2-12	2.890	1.781	2-1/2-12	3.060	1.781

TEES

MALE JIC BULKHEAD BRANCH TEE

WWF PART # F5725
SAE: 070959

Industry Standard: 2703
Parker: WJTX
Aeroquip: 203002-1
Fittings Unlimited: Y-2703-F

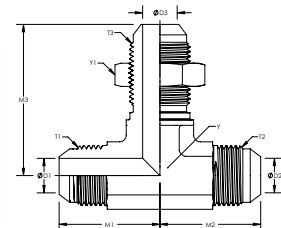
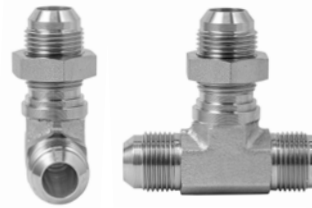


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5725X03X03X03	0.438	3/8-24	0.940	0.125	3/8-24	0.940	0.125	3/8-24	1.500	0.125
F5725X04X04X04	0.438	7/16-20	0.970	0.172	7/16-20	0.970	0.172	7/16-20	1.590	0.172
F5725X05X05X05	0.563	1/2-20	1.060	0.234	1/2-20	1.060	0.234	1/2-20	1.720	0.234
F5725X06X06X06	0.563	9/16-18	1.090	0.297	9/16-18	1.090	0.297	9/16-18	1.810	0.297
F5725X08X08X08	0.750	3/4-16	1.360	0.391	3/4-16	1.360	0.391	3/4-16	2.110	0.391
F5725X10X10X10	0.875	7/8-14	1.560	0.484	7/8-14	1.560	0.484	7/8-14	2.390	0.484
F5725X12X12X12	1.063	1-1/16-12	1.780	0.609	1-1/16-12	1.780	0.609	1-1/16-12	2.670	0.609
F5725X16X16X16	1.313	1-5/16-12	1.940	0.844	1-5/16-12	1.940	0.844	1-5/16-12	2.800	0.844
F5725X20X20X20	1.625	1-5/8-12	2.170	1.078	1-5/8-12	2.170	1.078	1-5/8-12	3.120	1.078

MALE JIC BULKHEAD BRANCH TEE WITH LOCKNUT

WWF PART # F5725LN
SAE: 070959

industry Standard: 2703-LN
Parker: WJTX-WLN
Aeroquip: 203002
Gates: MJ-MJ-BKHD
Gates Global: G60471
Fittings Unlimited: Y-2703-F-LN

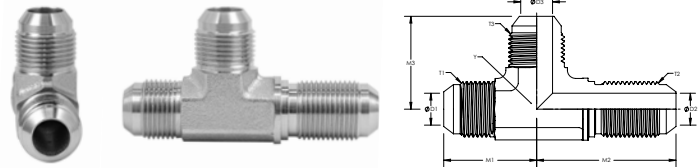


PART #	Y HEX	Y1 HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5725X03X03X03LN	0.438	0.625	3/8-24	0.940	0.125	3/8-24	0.940	0.125	3/8-24	1.500	0.125
F5725X04X04X04LN	0.438	0.688	7/16-20	0.970	0.172	7/16-20	0.970	0.172	7/16-20	1.590	0.172
F5725X05X05X05LN	0.563	0.750	1/2-20	1.060	0.234	1/2-20	1.060	0.234	1/2-20	1.720	0.234
F5725X06X06X06LN	0.563	0.813	9/16-18	1.090	0.297	9/16-18	1.090	0.297	9/16-18	1.810	0.297
F5725X08X08X08LN	0.750	1.000	3/4-16	1.360	0.391	3/4-16	1.360	0.391	3/4-16	2.110	0.391
F5725X10X10X10LN	0.875	1.125	7/8-14	1.560	0.484	7/8-14	1.560	0.484	7/8-14	2.390	0.484
F5725X12X12X12LN	1.063	1.375	1-1/16-12	1.780	0.609	1-1/16-12	1.780	0.609	1-1/16-12	2.670	0.609
F5725X16X16X16LN	1.313	1.625	1-5/16-12	1.940	0.844	1-5/16-12	1.940	0.844	1-5/16-12	2.800	0.844
F5725X20X20X20LN	1.625	1.875	1-5/8-12	2.170	1.078	1-5/8-12	2.170	1.078	1-5/8-12	3.120	1.078

TEES

MALE JIC BULKHEAD RUN TEE

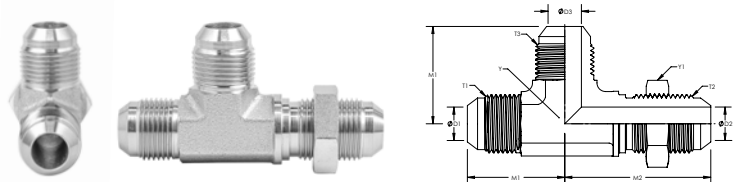
WWF PART # F5726
SAE: 070958
 Industry Standard: 2704
 Parker: WJJTX
 Aeroquip: FF1065
 Fittings Unlimited: Y-2704-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5726X04X04X04	0.438	7/16-20	0.970	0.172	7/16-20	1.590	0.172	7/16-20	0.970	0.172
F5726X04X06X04	0.563	7/16-20	1.080	0.172	9/16-18	1.810	0.297	7/16-20	1.080	0.172
F5726X06X06X06	0.563	9/16-18	1.090	0.297	9/16-18	1.810	0.297	9/16-18	1.090	0.297
F5726X08X08X08	0.750	3/4-16	1.360	0.391	3/4-16	2.110	0.391	3/4-16	1.360	0.391
F5726X08X10X08	0.875	3/4-16	1.440	0.391	7/8-14	2.390	0.484	3/4-16	1.440	0.391
F5726X10X10X10	0.875	7/8-14	1.560	0.484	7/8-14	2.390	0.484	7/8-14	1.560	0.484
F5726X12X12X12	1.063	1-1/16-12	1.780	0.609	1-1/16-12	2.670	0.609	1-1/16-12	1.780	0.609
F5726X16X16X16	1.313	1-5/16-12	1.940	0.844	1-5/16-12	2.800	0.844	1-5/16-12	1.940	0.844
F5726X20X20X20	1.625	1-5/8-12	2.170	1.078	1-5/8-12	3.120	1.078	1-5/8-12	2.170	1.078

MALE JIC BULKHEAD RUN TEE WITH LOCKNUT

WWF PART # F5726LN
SAE: 070958
 Industry Standard: 2704-LN
 Parker: WJJTX-WLN
 Aeroquip: 203008
 Gates: MJ-BKHD-MJ
 Gates Global: G60472
 Fittings Unlimited: Y-2704-LN



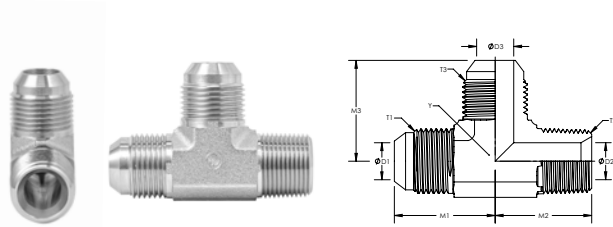
PART #	Y HEX	Y1 HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5726X04X04X04LN	0.438	0.688	7/16-20	0.970	0.172	7/16-20	1.590	0.172	7/16-20	0.970	0.172
F5726X04X06X04LN	0.563	0.813	7/16-20	1.080	0.172	9/16-18	1.810	0.297	7/16-20	1.080	0.172
F5726X06X06X06LN	0.563	0.813	9/16-18	1.090	0.297	9/16-18	1.810	0.297	9/16-18	1.090	0.297
F5726X08X08X08LN	0.750	1.000	3/4-16	1.360	0.391	3/4-16	2.110	0.391	3/4-16	1.360	0.391
F5726X08X10X08LN	0.875	1.125	3/4-16	1.440	0.391	7/8-14	2.390	0.484	3/4-16	1.440	0.391
F5726X10X10X10LN	0.875	1.125	7/8-14	1.560	0.484	7/8-14	2.390	0.484	7/8-14	1.560	0.484
F5726X12X12X12LN	1.063	1.375	1-1/16-12	1.780	0.609	1-1/16-12	2.670	0.609	1-1/16-12	1.780	0.609
F5726X16X16X16LN	1.313	1.625	1-5/16-12	1.940	0.844	1-5/16-12	2.800	0.844	1-5/16-12	1.940	0.844
F5726X20X20X20LN	1.625	1.875	1-5/8-12	2.170	1.078	1-5/8-12	3.120	1.078	1-5/8-12	2.170	1.078

TEES

MALE JIC TO MALE PIPE RUN TEE

WWF PART # F5755
SAE: 070424

Industry Standard: 2605
Parker: RTX
Aeroquip: 2028
Gates: MJ-MP-MJ
Gates Global: G60560
Fittings Unlimited: Y-2605-F



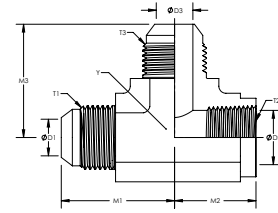
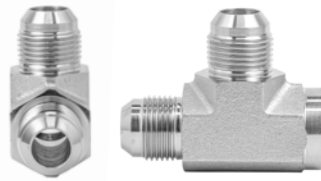
PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5755X04X02X04	0.438	7/16-20	0.890	0.172	1/8-27	0.780	0.188	7/16-20	0.890	0.172
F5755X04X04X04	0.563	7/16-20	1.050	0.172	1/4-18	1.090	0.281	7/16-20	1.050	0.172
F5755X06X04X04	0.563	9/16-18	1.060	0.297	1/4-18	1.090	0.281	7/16-20	1.050	0.172
F5755X06X04X06	0.563	9/16-18	1.060	0.297	1/4-18	1.090	0.281	9/16-18	1.060	0.297
F5755X06X06X06	0.750	9/16-18	1.140	0.297	3/8-18	1.220	0.406	9/16-18	1.140	0.297
F5755X06X08X06	0.875	9/16-18	1.220	0.297	1/2-14	1.470	0.531	9/16-18	1.220	0.297
F5755X08X06X08	0.750	3/4-16	1.250	0.391	3/8-18	1.220	0.406	3/4-16	1.250	0.391
F5755X08X08X06	0.875	3/4-16	1.330	0.391	1/2-14	1.470	0.391	9/16-18	1.220	0.297
F5755X08X08X08	0.875	3/4-16	1.330	0.391	1/2-14	1.470	0.531	3/4-16	1.330	0.391
F5755X10X08X10	0.875	7/8-14	1.450	0.484	1/2-14	1.470	0.531	7/8-14	1.450	0.484
F5755X12X12X08	1.063	1-1/16-12	1.660	0.609	3/4-14	1.590	0.719	3/4-16	1.420	0.391
F5755X12X12X12	1.063	1-1/16-12	1.660	0.609	3/4-14	1.590	0.719	1-1/16-12	1.660	0.609
F5755X16X16X16	1.313	1-5/16-12	1.810	0.844	1-11-1/2	1.970	0.938	1-5/16-12	1.810	0.844
F5755X20X20X20	1.625	1-5/8-12	2.060	1.078	1-1/4-11-1/2	2.380	1.250	1-5/8-12	2.060	1.078
F5755X24X24X24	1.875	1-7/8-12	2.330	1.313	1-1/2-11-1/2	2.640	1.500	1-7/8-12	2.330	1.313
F5755X32X32X32	2.500	2-1/2-12	3.060	1.781	2-11-12	3.000	1.938	2-1/2-12	3.060	1.781

TEES

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MALE JIC TO FEMALE PIPE RUN TEE

WWF PART # F5805
SAE: 070426
Industry Standard: 2606
Parker: MTX
Aeroquip: 2029
Fittings Unlimited: Y-2606-F

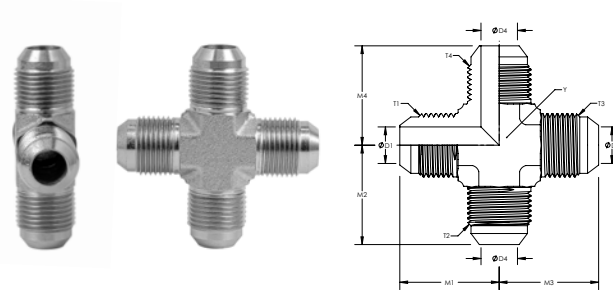


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
F5805X03X02X03	0.563	3/8-24	1.030	0.125	1/8-27	0.660	0.332	3/8-24	1.030	0.125
F5805X04X02X04	0.563	7/16-20	1.080	0.172	1/8-27	0.660	0.332	7/16-20	1.080	0.172
F5805X04X04X04	0.750	7/16-20	1.220	0.172	1/4-18	0.880	0.438	7/16-20	1.220	0.172
F5805X06X04X06	0.750	9/16-18	1.230	0.297	1/4-18	0.880	0.438	9/16-18	1.230	0.297
F5805X06X06X06	0.875	9/16-18	1.310	0.297	3/8-18	1.020	0.563	9/16-18	1.310	0.297
F5805X08X06X08	0.875	3/4-16	1.420	0.391	3/8-18	1.020	0.563	3/4-16	1.420	0.391
F5805X10X08X10	1.063	7/8-14	1.640	0.484	1/2-14	1.230	0.703	7/8-14	1.640	0.484
F5805X12X12X12	1.313	1-1/16-12	1.890	0.609	3/4-14	1.360	0.906	1-1/16-12	1.890	0.609
F5805X14X12X14	1.313	1-3/16-12	1.860	0.719	3/4-14	1.420	0.906	1-3/16-12	1.860	0.719
F5805X16X16X16	1.625	1-5/16-12	2.170	0.844	1-11-1/2	1.620	1.141	1-5/16-12	2.170	0.844
F5805X20X20X20	1.875	1-5/8-12	2.330	1.078	1-1/4-11-1/2	1.700	1.484	1-5/8-12	2.330	1.078

CROSSES

MALE JIC CROSS

WWF PART # F5955
 WWF Stainless Part No.: 2650-SS
 SAE: 070501
 Industry Standard: 2650
 Parker: KTX
 Aeroquip: 2020
 Gates: MJ-MJ-MJ-MJ
 Gates Global: G60575
 Fittings Unlimited: Y-2650-F



PART #	Y HEX	T1 / T3	M1 / M3	D1 / D3	T2 / T4	M2 / M4	D2 / D4
F5955X02X02X02X02	0.438	5/16-24	0.770	0.063	5/16-24	0.770	0.063
F5955X04X04X04X04	0.438	7/16-20	0.890	0.172	7/16-20	0.890	0.172
F5955X05X05X05X05	0.563	1/2-20	0.950	0.234	1/2-20	0.950	0.234
F5955X06X06X06X06	0.563	9/16-18	1.060	0.297	9/16-18	1.060	0.297
F5955X06X08X06X08	0.750	9/16-18	1.140	0.297	3/4-16	1.250	0.391
F5955X08X08X08X08	0.750	3/4-16	1.250	0.391	3/4-16	1.250	0.391
F5955X10X10X10X10	0.875	7/8-14	1.450	0.484	7/8-14	1.450	0.484
F5955X12X12X12X12	1.063	1-1/16-12	1.660	0.609	1-1/16-12	1.660	0.609
F5955X14X14X14X14	1.313	1-3/16-12	1.800	0.719	1-3/16-12	1.800	0.719
F5955X16X16X16X16	1.313	1-5/16-12	1.810	0.844	1-5/16-12	1.810	0.844
F5955X20X20X20X20	1.625	1-5/8-12	2.060	1.078	1-5/8-12	2.060	1.078
F5955X24X24X24X24	1.875	1-7/8-12	2.330	1.313	1-7/8-12	2.330	1.313

**WORLD
WIDE**

O-RING FACE SEAL FITTINGS



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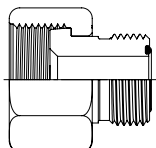
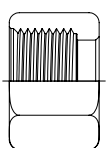
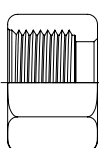
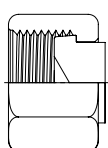
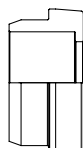
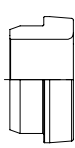
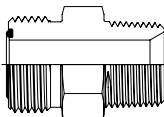
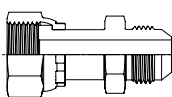
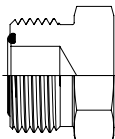
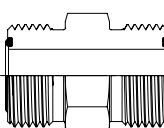
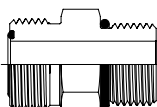
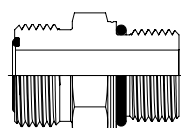
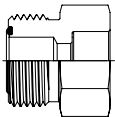
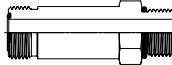
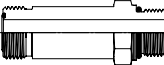
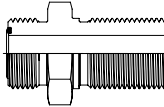
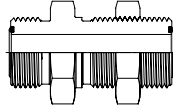
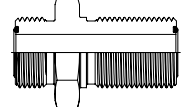
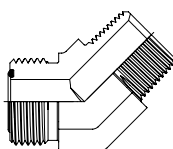
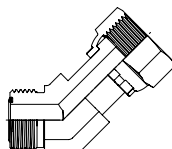
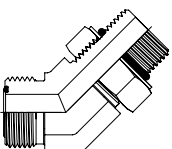
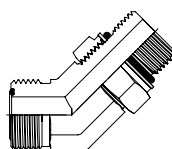
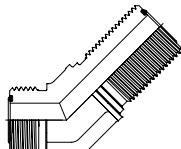
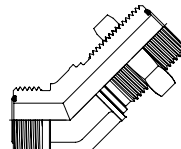
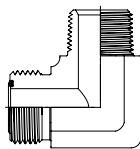
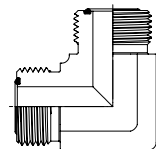
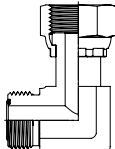
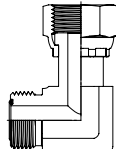
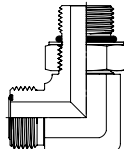
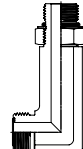
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or click on the [O-Ring Index](#) to select a specific part.



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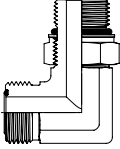
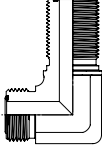
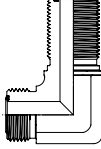
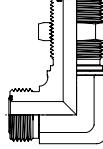
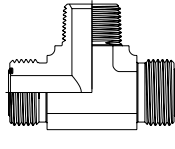

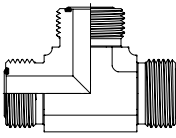
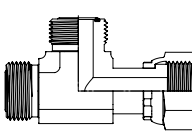
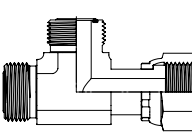
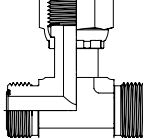
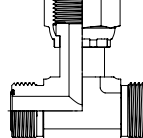
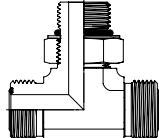
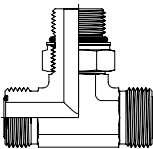
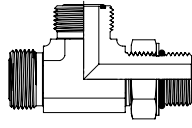
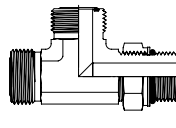
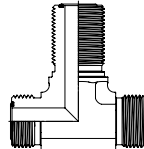
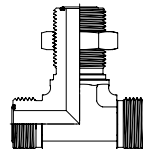
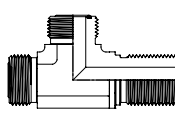
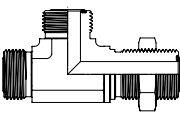
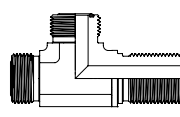
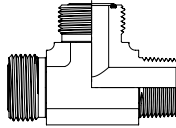

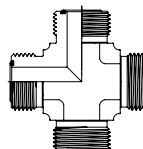
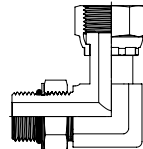
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<p>4205</p>  <p>Male ORFS To Male Pipe Straight Connector</p>	<p>4213</p>  <p>Female ORFS Swivel To Male JIC Straight Adapter</p>	<p>4229</p>  <p>ORFS Plug</p>	<p>4305</p>  <p>Male ORFS To Male ORFS Union Straight</p>	<p>4314</p>  <p>Male ORFS To Male O-Ring Boss Stud Straight</p>	<p>4314M</p>  <p>Male ORFS To Metric Male O-Ring Boss Stud Straight</p>
<p>4315</p>  <p>Male ORFS To Braze-On Bore Straight</p>	<p>4316</p>  <p>Male ORFS To Male O-Ring Boss Adjustable Stud Straight - Long</p>	<p>4316M</p>  <p>Male ORFS To Metric Male O-Ring Boss Adjustable Stud Straight - Long</p>	<p>4325</p>  <p>Male ORFS Bulkhead To Male ORFS Straight Union</p>	<p>4325LN</p>  <p>Male ORFS Bulkhead To Male ORFS Straight Union - With Locknut</p>	<p>4325MH</p>  <p>Male ORFS Bulkhead To Male ORFS Straight Union - Metric Hex</p>
<p>4355</p>  <p>Male ORFS To Male Pipe 45° Elbow</p>	<p>4356</p>  <p>Male ORFS To Female ORFS Swivel 45° Elbow</p>	<p>4365</p>  <p>Male ORFS To Male O-Ring Boss 45° Elbow</p>	<p>4365M</p>  <p>Male ORFS To Metric Male O-Ring Boss 45° Elbow</p>	<p>4375</p>  <p>Male ORFS Bulkhead To Male ORFS 45° Union Elbow</p>	<p>4375LN</p>  <p>Male ORFS Bulkhead To Male ORFS 45° Union Elbow - With Locknut</p>
<p>4405</p>  <p>Male ORFS To Male Pipe 90° Elbow</p>	<p>4505</p>  <p>Male ORFS To Male ORFS 90° Union Elbow</p>	<p>4506</p>  <p>Male ORFS To Female ORFS Swivel 90° Elbow</p>	<p>4506MH</p>  <p>Male ORFS To Female ORFS Swivel 90° Elbow - Metric Hex</p>	<p>4515</p>  <p>Male ORFS To Male O-Ring Boss Adjustable 90° Elbow</p>	<p>4515L</p>  <p>Male ORFS To Male O-Ring Boss Adjustable 90° Elbow - Long</p>

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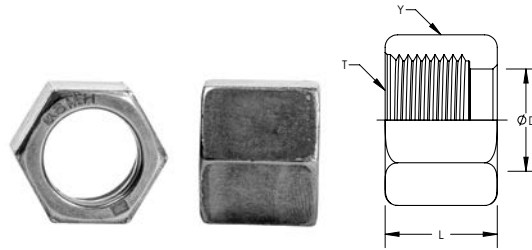
<p>4515M</p>  <p>Male ORFS To Metric Male O-Ring Boss Adjustable 90° Elbow</p>	<p>4525</p>  <p>Male ORFS Bulkhead To Male ORFS 90° Union Elbow</p>	<p>4525MH</p>  <p>Male ORFS Bulkhead To Male ORFS 90° Union Elbow - Metric Hex</p>	<p>4525LN</p>  <p>Male ORFS Bulkhead To Male ORFS 90° Union Elbow - With Locknut</p>	<p>4605</p>  <p>Male ORFS To Male ORFS To Male Pipe Branch Tee</p>	<p>4629</p>  <p>ORFS O-Ring - 90 Durometer Buna</p>
<p>4705</p>  <p>Male ORFS To Male ORFS To Male ORFS Union Tee</p>	<p>4706</p>  <p>Male ORFS To Female ORFS Swivel To Male ORFS Run Tee</p>	<p>4706MH</p>  <p>Male ORFS To Female ORFS Swivel To Male ORFS Run Tee - Metric Hex</p>	<p>4707</p>  <p>Male ORFS To Male ORFS To Female ORFS Swivel Branch Tee</p>	<p>4707MH</p>  <p>Male ORFS To Male ORFS To Female ORFS Swivel Branch Tee</p>	<p>4715</p>  <p>Male ORFS To Male ORFS To Male O-Ring Boss Adjustable Branch Tee</p>
<p>4715M</p>  <p>Male ORFS To Male ORFS To Metric Male O-Ring Boss Adjustable Branch Tee</p>	<p>4716</p>  <p>Male ORFS To Male O-Ring Boss Adjustable To Male ORFS Run Tee</p>	<p>4716M</p>  <p>Male ORFS To Metric Male O-Ring Boss Adjustable To Male ORFS Run Tee</p>	<p>4725</p>  <p>Male ORFS To Male ORFS To Male ORFS Bulkhead Branch Tee</p>	<p>4725LN</p>  <p>Male ORFS To Male ORFS To Male ORFS Bulkhead Branch Tee - With Locknut</p>	<p>4726</p>  <p>Male ORFS To Male ORFS Bulkhead To Male ORFS Run Tee</p>
<p>4726LN</p>  <p>Male ORFS To Male ORFS Bulkhead To Male ORFS Run Tee - With Locknut</p>	<p>4726MH</p>  <p>Male ORFS To Male ORFS Bulkhead To Male ORFS Run Tee - Metric Hex</p>	<p>4755</p>  <p>Male ORFS To Male Pipe To Male ORFS Run Tee</p>	<p>4925</p>  <p>ORFS Bulkhead Locknut</p>	<p>4955</p>  <p>Male ORFS To Male ORFS To Male ORFS To Male ORFS Union Cross</p>	<p>FS6809</p>  <p>Male O-Ring Boss Adjustable To Female ORFS 90° Elbow</p>

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NUTS & ACCESSORIES

ORFS NUT - METRIC HEX - TRIVALENT PLATED

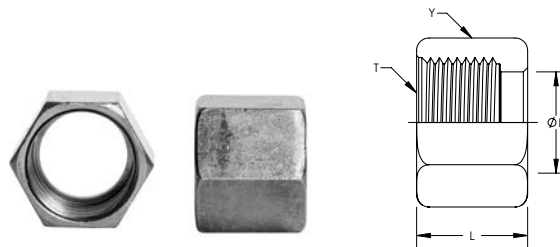
WWF PART # 4105MHT
SAE: 52M0110A
Industry Standard: MFS0318
Parker: BML



PART #	Y HEX	T	D	L
4105X08MHT	0.945	13/16-16	0.653	0.787
4105X10MHT	1.181	1-14	0.831	0.945
4105X12MHT	1.417	1-3/16-12	0.951	1.043
4105X16MHT	1.614	1-7/16-12	1.146	1.083
4105X20MHT	1.969	1-11/16-12	1.417	1.083
4105X24MHT	2.362	2-12	1.732	1.083

ORFS NUT -TRIVALENT PLATED

WWF PART # 4105T
SAE: 520110
Industry Standard: FS0318
Parker: BL
Aeroquip: FC2326
Tompkins: FF0318
Fittings Unlimited: Y-OFS-0318



PART #	Y HEX	T	D	L
4105X04T	0.688	9/16-18	0.413	0.590
4105X06T	0.813	11/16-16	0.533	0.669
4105X08T	0.938	13/16-16	0.653	0.787
4105X10T	1.125	1-14	0.831	0.945
4105X12T	1.375	1-3/16-12	0.951	1.043
4105X16T	1.625	1-7/16-12	1.146	1.083
4105X20T	1.875	1-11/16-12	1.417	1.083
4105X24T	2.250	2-12	1.732	1.083
4105X32T	2.875	2-1/2-2	2.219	1.299

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ORFS CAP ASSEMBLY INSERT & NUT

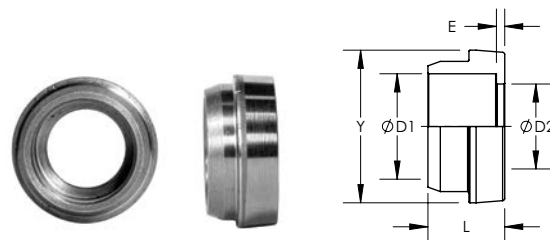
WWF PART # 4129
SAE: 520112
Industry Standard: FS0304-C
Parker: FNL
Aeroquip: FF9863
Gates: FFOR-CAP
Gates Global: G60701
Tompkins: FF0304-C
Fittings Unlimited: Y-OFS-0304-C



PART #	Y HEX	T	L	L1
4129X04	0.688	0.354	9/16-18	0.661
4129X06	0.813	0.413	11/16-16	0.740
4129X08	0.938	0.472	13/16-16	0.866
4129X10	1.125	0.531	1-14	1.024
4129X12	1.375	0.590	1-3/16-12	1.122
4129X16	1.625	0.630	1-7/16-12	1.161
4129X20	1.875	0.630	1-11/16-12	1.161
4129X24	2.250	0.630	2-12	1.161

ORFS BRAZE SLEEVE

WWF PART # 4165
SAE: 520115
Industry Standard: FS0319
Parker: TL
Aeroquip: FC1229
Tompkins: FF0319
Fittings Unlimited: Y-OFS-0319



PART #	Y	D1	D2	E	L
4165X04	0.502	0.256	0.177	0.039	0.374
4165X06X04	0.620	0.256	0.177	0.079	0.413
4165X06X05	0.620	0.318	0.216	0.079	0.413
4165X06	0.620	0.381	0.256	0.039	0.374
4165X08X06	0.744	0.381	0.256	0.138	0.472
4165X08	0.744	0.506	0.374	0.039	0.374
4165X10X08	0.923	0.506	0.374	0.197	0.531
4165X10	0.923	0.631	0.492	0.059	0.413
4165X12X06	1.096	0.381	0.264	0.236	0.571
4165X12X08	1.096	0.506	0.374	0.236	0.571
4165X12X10	1.096	0.631	0.492	0.216	0.571
4165X12	1.096	0.757	0.610	0.059	0.551
4165X16X12	1.346	0.757	0.610	0.177	0.669
4165X16X14	1.346	0.882	0.709	0.177	0.669
4165X16	1.346	1.007	0.807	0.059	0.610
4165X20X16	1.596	1.007	0.807	0.059	0.610
4165X20	1.596	1.258	1.024	0.059	0.610
4165X24X20	1.909	1.258	1.024	0.059	0.610
4165X24	1.909	1.508	1.260	0.059	0.610

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ORFS MECHANICAL FLANGE SLEEVE

WWF PART # 4165PFT

Industry Standard: FS1319

Parker: TPL



PART #	Y	D	L
4165X04PFT	0.502	0.256	0.295
4165X06PFT	0.620	0.381	0.332
4165X08PFT	0.744	0.506	0.415
4165X10PFT	0.923	0.631	0.415
4165X12PFT	1.096	0.757	0.475
4165X16PFT	1.346	1.007	0.529
4165X20PFT	1.596	1.258	0.551

ORFS O-RING - 90 DUROMETER BUNA

WWF PART # 4629

Industry Standard: FS4000

Parker: 14

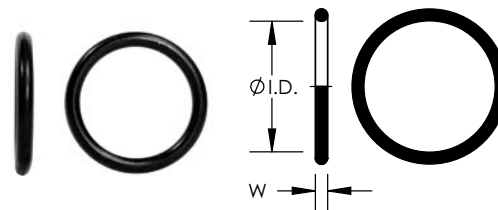
Aeroquip: 4629

Gates: O-RING FF

Gates Global: G60698

Tompkins: 90DFF

Fittings Unlimited: OFS-4000



PART #	I.D.	W
4629X04	0.301	0.070
4629X06	0.364	0.070
4629X08	0.489	0.070
4629X10	0.614	0.070
4629X12	0.739	0.070
4629X16	0.926	0.070
4629X20	1.176	0.070
4629X24	1.489	0.070

ORFS BULKHEAD LOCKNUT

WWF PART # 4925

SAE: 520118

Industry Standard: FS0306

Parker: WLNL

Aeroquip: FF9768

Tompkins: FF0306

Fittings Unlimited: Y-OFS-0306



PART #	Y HEX	T	L
4925X04T	0.813	9/16-18	0.275
4925X06T	1.000	11/16-16	0.315
4925X08T	1.125	13/16-16	0.354
4925X10T	1.313	1-14	0.413
4925X12T	1.500	1-3/16-12	0.413
4925X16T	1.750	1-7/16-12	0.413
4925X20T	2.000	1-11/16-12	0.413
4925X24T	2.375	2-12	0.413

STRAIGHTS

FEMALE ORFS TO MALE ORFS REDUCER

WWF PART# 4015

SAE: 520123

Industry Standard: FS2406

Parker: TRLON

Aeroquip: FF2281T

Fittings Unlimited: Y-OFS-2406

Tompkins: FF2406



PART #	Y HEX	D	T1	T2	L
4015X06X04	0.813	0.177	11/16-16	9/16-18	0.768
4015X08X04	0.938	0.177	13/16-16	9/16-18	0.866
4015X08X06	0.938	0.256	13/16-16	11/16-16	0.886
4015X10X04	1.125	0.177	1-14	9/16-18	0.906
4015X10X06	1.125	0.256	1-14	11-16-16	0.945
4015X10X08	1.125	0.374	1-14	13/16-16	1.004
4015X12X04	1.375	0.177	1-3/16-12	9/16-18	0.984
4015X12X06	1.375	0.256	1-3/16-12	11/16-16	1.024
4015X12X08	1.375	0.374	1-3/16-12	13/16-16	1.083
4015X12X10	1.375	0.492	1-3/16-12	1-14	1.161
4015X12X16	1.375	0.610	1-3/16-12	1-7/16-12	1.239
4015X16X08	1.625	0.374	1-7/16-12	13/16-16	1.150
4015X16X10	1.625	0.492	1-7/16-12	1-14	1.260
4015X16X12	1.625	0.610	1-7/16-12	1-3/16-12	1.299
4015X20X12	1.875	0.610	1-11/16-12	1-3/16-12	1.319
4015X20X16	1.875	0.807	1-11/16-12	1-7/16-12	1.338
4015X20X24	1.875	1.024	1-11/16-12	2-12	1.514
4015X24X16	2.250	0.807	2-12	1-7/16-12	1.338
4015X24X20	2.250	1.024	2-12	1-11/16-12	1.338

STRAIGHTS

MALE ORFS TO MALE PIPE STRAIGHT CONNECTOR

WWF PART # 4205

Industry Standard: FS2404
 Parker: FLO
 Aeroquip: FF2031T
 Gates: MFFOR-MP
 Gates Global: G60770
 Tompkins: FF2404
 Fittings Unlimited: Y-OFS-2404



PART #	Y HEX	T1	D1	T2	D2	L
4205X04X02	0.625	9/16-18	0.177	1/8-27	0.188	1.080
4205X04X04	0.625	9/16-18	0.177	1/4-18	0.281	1.260
4205X04X06	0.750	9/16-18	0.177	3/8-18	0.406	1.320
4205X04X08	0.875	9/16-18	0.177	1/2-14	0.531	1.520
4205X06X02	0.750	11/16-16	0.256	1/8-27	0.188	1.160
4205X06X04	0.750	11/16-16	0.256	1/4-18	0.281	1.340
4205X06X06	0.750	11/16-16	0.256	3/8-18	0.406	1.340
4205X06X08	0.875	11/16-16	0.256	1/2-14	0.531	1.540
4205X08X04	0.875	13/16-16	0.374	1/4-18	0.281	1.450
4205X08X06	0.875	13/16-16	0.374	3/8-18	0.406	1.450
4205X08X08	0.875	13/16-16	0.374	1/2-14	0.531	1.640
4205X08X12	1.125	13/16-16	0.374	3/4-14	0.719	1.690
4205X10X08	1.063	1-14	0.492	1/2-14	0.531	1.820
4205X10X12	1.125	1-14	0.492	3/4-14	0.719	1.850
4205X12X08	1.250	1-3/16-12	0.610	1/2-14	0.531	1.930
4205X12X12	1.250	1-3/16-12	0.610	3/4-14	0.719	1.940
4205X12X16	1.375	1-3/16-12	0.610	1-11-1/2	0.938	2.060
4205X16X12	1.500	1-7/16-12	0.807	3/4-14	0.719	2.000
4205X16X16	1.500	1-7/16-12	0.807	1-11-1/2	0.938	2.190
4205X16X20	1.688	1-7/16-12	0.807	1-1/4-11-1/2	1.250	2.244
4205X16X24	2.000	1-7/16-12	0.807	1-1-2-11-1/2	1.496	2.402
4205X20X12	1.750	1-11/16-12	1.024	3/4-14	0.719	2.080
4205X20X16	1.750	1-11/16-12	1.024	1-11-1/2	0.938	2.270
4205X20X20	1.750	1-11/16-12	1.024	1-1/4-11-1/2	1.250	2.300
4205X24X24	2.125	2-12	1.260	1-1/2-11-1/2	1.500	2.440

STRAIGHTS

FEMALE ORFS SWIVEL TO MALE JIC STRAIGHT ADAPTER

WWF PART # 4213

Industry Standard: FS6504
Parker: XHL6
Aeroquip: FF2209T
Gates: FFORX-MJ
Gates Global: G60880
Tompkins: FF6504
Fittings Unlimited: Y-OFS-MJIC-6504



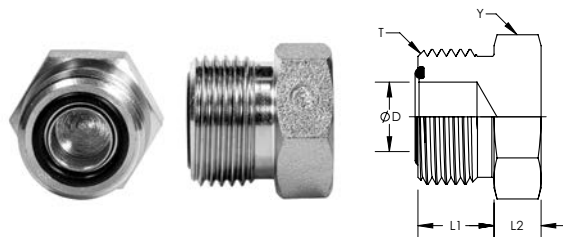
PART #	Y1 HEX	Y2 HEX	T1	D1	T2	D2	L
4213X04X04	0.688	0.625	9/16-18	0.157	7/16-20	0.172	1.574
4213X06X06	0.813	0.750	11/16-16	0.256	9/16-18	0.297	1.658
4213X08X08	0.938	0.875	13/16-16	0.354	3/4-16	0.391	2.055
4213X10X10	1.125	1.063	1-14	0.453	7/8-14	0.484	2.254
4213X12X12	1.375	1.250	1-3/16-12	0.551	1-1/16-12	0.609	2.478
4213X16X16	1.625	1.500	1-7/16-12	0.787	1-5/16-12	0.844	2.840
4213X20X20	1.875	1.875	1-11/16-12	1.024	1-5/8-12	1.078	2.887

ORFS PLUG

WWF PART # 4229

SAE: 520109

Industry Standard: FS2408
Parker: PNLO
Aeroquip: FF9767
Gates: MFFOR-PLUG
Gates Global: G60702
Tompkins: FF2408
Fittings Unlimited: Y-OFS-2408



PART #	Y HEX	T	D	L1	L2
4229X04	0.625	9/16-18	0.177	0.394	0.256
4229X06	0.750	11/16-16	0.256	0.433	0.315
4229X08	0.875	13/16-16	0.374	0.512	0.354
4229X10	1.063	1-14	0.492	0.610	0.413
4229X12	1.250	1-3/16-12	0.610	0.669	0.413
4229X16	1.500	1-7/16-12	0.807	0.689	0.413
4229X20	1.750	1-11/16-12	1.024	0.689	0.413
4229X24	2.125	2-12	1.260	0.689	0.413

STRAIGHTS

MALE ORFS TO MALE ORFS UNION STRAIGHT

WWF PART # 4305
SAE: 520101
 Industry Standard: FS2403
 Parker: HLO
 Aeroquip: FF2000T
 Gates: MFFOR-MFFOR
 Gates Global: G60705
 Tompkins: FF2403
 Fittings Unlimited: Y-OFS-2403

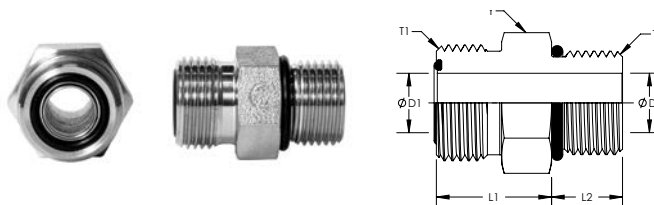


PART #	Y HEX	T1	D1	T2	D2	L
4305X04X04	0.625	9/16-18	0.177	9/16-18	0.177	1.083
4305X06X04	0.750	11/16-16	0.256	9/16-18	0.177	1.181
4305X06X06	0.750	11/16-16	0.256	11/16-16	0.256	1.220
4305X08X06	0.875	13/16-16	0.374	11/16-16	0.256	1.319
4305X08X08	0.875	13/16-16	0.374	13/16-16	0.374	1.398
4305X10X08	1.063	1-14	0.492	13/16-16	0.374	1.575
4305X10X10	1.063	1-14	0.492	1-14	0.492	1.673
4305X12X08	1.250	1-3/16-12	0.610	13/16-16	0.374	1.693
4305X12X10	1.250	1-3/16-12	0.610	1-14	0.492	1.791
4305X12X12	1.250	1-3/16-12	0.610	1-3/16-12	0.610	1.850
4305X16X12	1.500	1-7/16-12	0.807	1-3/16-12	0.610	1.929
4305X16X16	1.500	1-7/16-12	0.807	1-7/16-12	0.807	1.949
4305X20X16	1.750	1-11/16-12	1.024	1-7/16-12	0.807	2.027
4305X20X20	1.750	1-11/16-12	1.024	1-11/16-12	1.024	2.027
4305X24X20	2.125	2-12	1.260	1-11/16-12	1.024	2.087
4305X24X24	2.125	2-12	1.260	2-12	1.260	2.087

STRAIGHTS

MALE ORFS TO MALE O-RING BOSS STUD STRAIGHT

WWF PART # 4314
SAE: 520120
Industry Standard: FS6400
Parker: F5OLO
Aeroquip: FF1852T
Gates: MFFOR-MB
Gates Global: G60800
Tompkins: FF6400
Fittings Unlimited: Y-OFS-6400

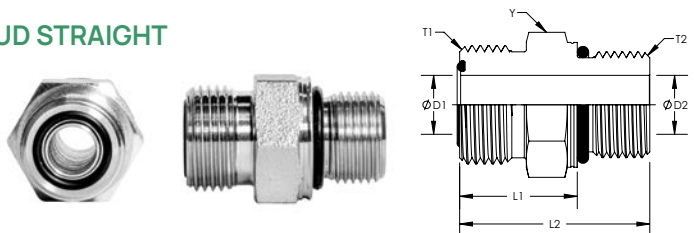


PART #	Y HEX	T1	L1	D1	T2	L2	D2
4314X04X04	0.625	9/16-18	0.709	0.177	7/16-20	0.433	0.177
4314X04X05	0.625	9/16-18	0.728	0.177	1/2-20	0.433	0.236
4314X04X06	0.750	9/16-18	0.748	0.177	9/16-18	0.472	0.295
4314X04X08	0.875	9/16-18	0.768	0.177	3/4-16	0.551	0.394
4314X06X04	0.750	11/16-16	0.905	0.256	7/16-20	0.433	0.177
4314X06X05	0.750	11/16-16	0.787	0.256	1/2-20	0.433	0.236
4314X06X06	0.750	11/16-16	0.787	0.256	9/16-18	0.472	0.295
4314X06X08	0.875	11/16-16	0.807	0.256	3/4-16	0.551	0.394
4314X06X10	1.063	11/16-16	0.886	0.256	7/8-14	0.630	0.492
4314X06X12	1.250	11/16-16	0.945	0.256	1-1/16-12	0.728	0.610
4314X08X04	0.875	13/16-16	1.004	0.374	7/16-20	0.433	0.177
4314X08X06	0.875	13/16-16	1.004	0.374	9/16-18	0.472	0.295
4314X08X08	0.875	13/16-16	0.886	0.374	3/4-16	0.551	0.394
4314X08X10	1.063	13/16-16	0.964	0.374	7/8-14	0.630	0.492
4314X08X12	1.250	13/16-16	1.024	0.374	1-1/16-12	0.728	0.610
4314X08X16	1.500	13/16-16	1.063	0.374	1-5/16-12	0.728	0.846
4314X10X06	1.063	1-14	1.161	0.492	9/16-18	0.472	0.295
4314X10X08	1.063	1-14	1.220	0.492	3/4-16	0.551	0.394
4314X10X10	1.063	1-14	1.063	0.492	7/8-14	0.630	0.492
4314X10X12	1.250	1-14	1.122	0.492	1-1/16-12	0.728	0.610
4314X10X16	1.500	1-14	1.181	0.492	1-5/16-12	0.728	0.846
4314X12X08	1.250	1-3/16-12	1.358	0.610	3/4-16	0.551	0.394
4314X12X10	1.250	1-3/16-12	1.358	0.610	7/8-14	0.630	0.492
4314X12X12	1.250	1-3/16-12	1.191	0.610	1-1/16-12	0.728	0.610
4314X12X16	1.500	1-3/16-12	1.220	0.610	1-5/16-12	0.728	0.846
4314X16X08	1.500	1-7/16-12	1.398	0.807	3/4-16	0.551	0.394
4314X16X10	1.500	1-7/16-12	1.398	0.807	7/8-14	0.630	0.492
4314X16X12	1.500	1-7/16-12	1.417	0.807	1-1/16-12	0.728	0.610
4314X16X16	1.500	1-7/16-12	1.260	0.807	1-5/16-12	0.728	0.846
4314X16X20	1.875	1-7/16-12	1.338	0.807	1-5/8-12	0.728	1.083
4314X16X24	2.125	1-7/16-12	1.398	0.807	1-7/8-12	0.728	1.319
4314X20X16	1.875	1-11/16-12	1.555	1.024	1-5/16-12	0.728	0.846
4314X20X20	1.875	1-11/16-12	1.338	1.024	1-5/8-12	0.728	1.083
4314X20X24	2.125	1-11/16-12	1.398	1.024	1-7/8-12	0.728	1.319
4314X24X20	2.125	2-12	1.614	1.260	1-5/8-12	0.728	1.083
4314X24X24	2.125	2-12	1.398	1.260	1-7/8-12	0.728	1.319

STRAIGHTS

MALE ORFS TO METRIC MALE O-RING BOSS STUD STRAIGHT

WWF PART # 4314M
SAE: 52M0187
Industry Standard: FS7640
Parker: F87OMLO

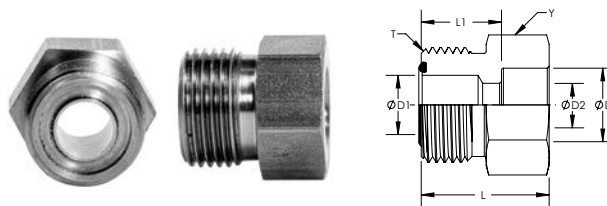


PART #	Y HEX	T1	L1	D1	T2	L2	D2
4314X04XM12	0.669	9/16-18	0.688	0.177	M12X1.5	1.122	0.157
4314X04XM14	0.748	9/16-18	0.728	0.177	M14X1.5	1.161	0.236
4314X06XM12	0.748	11/16-16	0.826	0.256	M12X1.5	1.260	0.157
4314X06XM14	0.748	11/16-16	0.826	0.256	M14X1.5	1.260	0.236
4314X06XM16	0.866	11/16-16	0.826	0.256	M16X1.5	1.318	0.275
4314X06XM18	0.944	11/16-16	0.866	0.256	M18X1.5	1.417	0.354
4314X06XM22	1.063	11/16-16	0.886	0.256	M22X1.5	1.476	0.472
4314X08XM14	0.866	13/16-16	0.944	0.374	M14X1.5	1.378	0.236
4314X08XM16	0.866	13/16-16	0.944	0.374	M16X1.5	1.438	0.275
4314X08XM18	0.944	13/16-16	0.944	0.374	M18X1.5	1.496	0.354
4314X08XM22	1.063	13/16-16	0.964	0.374	M22X1.5	1.555	0.472
4314X08XM27	1.260	13/16-16	1.024	0.374	M27X2.0	1.752	0.590
4314X10XM16	1.063	1-14	1.063	0.492	M16X1.5	1.555	0.275
4314X10XM18	1.063	1-14	1.063	0.492	M18X1.5	1.614	0.354
4314X10XM22	1.063	1-14	1.063	0.492	M22X1.5	1.653	0.472
4314X10XM27	1.260	1-14	1.122	0.492	M27X2.0	1.850	0.590
4314X12XM22	1.260	1-3/16-12	1.181	0.610	M22X1.5	1.771	0.472
4314X12XM27	1.260	1-3/16-12	1.181	0.610	M27X2.0	1.909	0.590
4314X12XM33	1.614	1-3/16-12	1.299	0.610	M33X2.0	2.027	0.787
4314X16XM27	1.614	1-7/16-12	1.318	0.807	M27X2.0	2.047	0.590
4314X16XM33	1.614	1-7/16-12	1.318	0.807	M33X2.0	2.047	0.787
4314X16XM42	1.969	1-7/16-12	1.417	0.807	M42X2.0	2.145	1.024
4314X20XM33	1.811	1-11/16-12	1.397	1.024	M33X2.0	2.126	0.787
4314X20XM42	1.969	1-11/16-12	1.397	1.024	M42X2.0	2.145	1.024
4314X24XM42	1.969	2-12	1.397	1.260	M42X2.0	2.145	1.024
4314X24XM48	2.165	2-12	1.397	1.260	M48X2.0	2.244	1.260

STRAIGHTS

MALE ORFS TO BRAZE-ON BORE STRAIGHT

WWF PART # 4315
SAE: 520104
Industry Standard: FS0403
Parker: LOHB3
Aeroquip: FF1851T
Tompkins: FF0403
Fittings Unlimited: Y-OFS-0403



PART #	Y HEX	T	D	D1	D2	L	L1
4315X04X04	0.625	9/16-18	0.256	0.177	0.177	0.866	0.531
4315X04X05	0.625	9/16-18	0.318	0.177	0.177	0.866	0.531
4315X04X06	0.625	9/16-18	0.381	0.177	0.177	0.866	0.531
4315X06X05	0.750	11/16-16	0.316	0.217	0.217	0.905	0.571
4315X06X06	0.750	11/16-16	0.381	0.256	0.256	0.905	0.571
4315X06X08	0.750	11/16-16	0.506	0.256	0.256	0.905	0.571
4315X08X06	0.875	13/16-16	0.381	0.256	0.256	0.964	0.630
4315X08X08	0.875	13/16-16	0.506	0.374	0.374	0.964	0.630
4315X08X10	0.875	13/16-16	0.631	0.374	0.374	0.964	0.630
4315X08X12	1.063	13/16-16	0.757	0.374	0.374	1.130	0.630
4315X10X08	1.063	1-14	0.506	0.374	0.374	1.102	0.744
4315X10X10	1.063	1-14	0.631	0.492	0.492	1.102	0.748
4315X10X12	1.063	1-14	0.757	0.492	0.492	1.240	0.748
4315X10X16	1.500	1-14	1.007	0.492	0.492	1.516	0.964
4315X12X10	1.250	1-3/16-12	0.631	0.610	0.492	1.181	0.827
4315X12X12	1.250	1-3/16-12	0.757	0.610	0.610	1.319	0.827
4315X12X14	1.375	1-3/16-12	0.882	0.610	0.610	1.322	0.827
4315X12X16	1.250	1-3/16-12	1.007	0.610	0.610	1.378	0.827
4315X16X12	1.500	1-7/16-12	0.757	0.807	0.610	1.457	0.964
4315X16X16	1.500	1-7/16-12	1.007	0.807	0.807	1.516	0.964
4315X16X20	1.750	1-7/16-12	1.258	0.807	0.807	1.516	0.964
4315X20X20	1.750	1-11/16-12	1.258	1.024	1.024	1.516	0.964
4315X24X24	2.125	2-12	1.508	1.260	1.260	1.516	0.964

MALE ORFS TO METRIC MALE O-RING BOSS ADJUSTABLE STUD STRAIGHT - LONG

WWF PART # 4316M
SAE: 52M1787
Industry Standard: FS7640-L

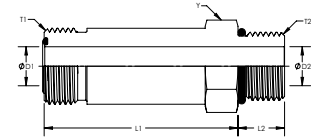


PART #	Y HEX	T1	L1	D1	T2	L2	D2
4316X04XM12	0.669	9/16-18	1.634	0.177	M12X1.5	2.067	0.157
4316X06XM16	0.866	11/16-16	1.791	0.256	M16X1.5	2.283	0.276
4316X08XM18	0.945	13/16-16	2.126	0.354	M18X1.5	2.677	0.354

STRAIGHTS

MALE ORFS TO MALE O-RING BOSS ADJUSTABLE STUD STRAIGHT - LONG

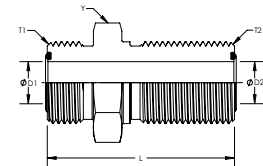
WWF PART # 4316
SAE: 521720
 Industry Standard: FS6400-L
 Parker: FF5OLO
 Aeroquip: FF1854T
 Gates: MFFOR-MBL
 Tompkins: FF6400-L
 Fittings Unlimited: Y-OFS-6400-L



PART #	Y HEX	T1	L1	D1	T2	L2	D2
4316X04X04	0.625	9/16-18	1.634	0.177	7/16-20	0.433	0.177
4316X06X04	0.750	11/16-16	1.791	0.256	7/16-20	0.433	0.177
4316X06X06	0.750	11/16-16	1.791	0.256	9/16-18	0.472	0.295
4316X08X08	0.875	13/16-16	2.126	0.374	3/4-16	0.551	0.394
4316X10X10	1.063	1-14	2.500	0.492	7/8-14	0.630	0.492
4316X10X12	1.250	1-14	2.972	0.492	1-1/16-12	0.728	0.610
4316X12X12	1.250	1-3/16-12	3.031	0.610	1-1/16-12	0.728	0.610
4316X12X16	1.500	1-3/16-12	3.386	0.610	1-5/16-12	0.728	0.846
4316X16X12	1.500	1-7/16-12	3.405	0.807	1-1/16-12	0.728	0.610
4316X16X16	1.500	1-7/16-12	3.405	0.807	1-5/16-12	0.728	0.846

MALE ORFS BULKHEAD TO MALE ORFS STRAIGHT UNION

WWF PART # 4325
SAE: 520601
 Industry Standard: FS2700
 Parker: WLO
 Tompkins: FF2700
 Fittings Unlimited: Y-OFS-2700-F



PART #	Y HEX	T1	D1	T2	D2	L
4325X04X04	0.813	9/16-18	0.177	9/16-18	0.177	1.890
4325X06X06	1.000	11/16-16	0.256	11/16-16	0.256	2.087
4325X06X08	1.125	11/16-16	0.256	13/16-16	0.374	2.224
4325X08X06	1.125	13/16-16	0.374	11/16-16	0.256	2.205
4325X08X08	1.125	13/16-16	0.374	13/16-16	0.374	2.303
4325X08X10	1.313	13/16-16	0.374	1-14	0.492	2.520
4325X10X10	1.313	1-14	0.492	1-14	0.492	2.618
4325X12X12	1.500	1-3/16-12	0.610	1-3/16-12	0.610	2.716
4325X16X12	1.750	1-7/16-12	0.807	1-3/16-12	0.610	2.736
4325X16X16	1.750	1-7/16-12	0.807	1-7/16-12	0.807	2.756
4325X20X16	2.000	1-11/16-12	0.807	1-7/16-12	0.807	2.756
4325X20X20	2.000	1-11/16-12	1.024	1-11/16-12	1.024	2.756

STRAIGHTS

MALE ORFS BULKHEAD TO MALE ORFS STRAIGHT UNION - WITH LOCKNUT

WWF PART # 4325LN

SAE: 520601

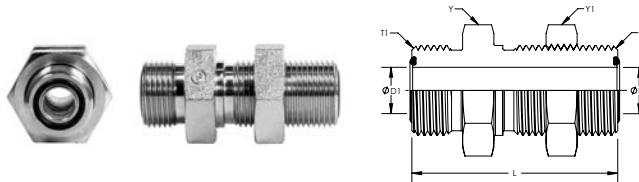
Industry Standard: FS2700-LN

Parker: WF5OLO-WLN

Aeroquip: FF1994T

Tompkins: FF2700-LN

Fittings Unlimited: Y-OFS-2700-LN



PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
4325X04X04LN	0.813	0.813	9/16-18	0.177	9/16-18	0.177	1.890
4325X06X06LN	1.000	1.000	11/16-16	0.256	11/16-16	0.256	2.087
4325X06X08LN	1.125	1.125	11/16-16	0.256	13/16-16	0.374	2.224
4325X08X06LN	1.125	1.000	13/16-16	0.374	11/16-16	0.256	2.205
4325X08X08LN	1.125	1.125	13/16-16	0.374	13/16-16	0.374	2.303
4325X08X10LN	1.313	1.313	13/16-16	0.374	1-14	0.492	2.520
4325X10X10LN	1.313	1.313	1-14	0.492	1-14	0.492	2.618
4325X12X12LN	1.500	1.500	1-3/16-12	0.610	1-3/16-12	0.610	2.716
4325X16X12LN	1.750	1.500	1-7/16-12	0.807	1-3/16-12	0.610	2.736
4325X16X16LN	1.750	1.750	1-7/16-12	0.807	1-7/16-12	0.807	2.756
4325X20X16LN	2.000	1.750	1-11/16-12	1.024	1-7/16-12	0.807	2.756
4325X20X20LN	2.000	2.000	1-11/16-12	1.024	1-11/16-12	1.024	2.756
4325X24X24LN	2.375	2.375	2-12	1.260	2-12	1.260	2.756

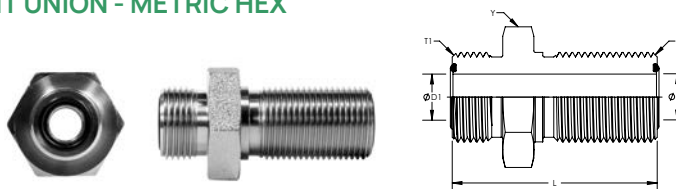
MALE ORFS BULKHEAD TO MALE ORFS STRAIGHT UNION - METRIC HEX

WWF PART # 4325MH

SAE: 52M0601

Industry Standard: FS2700-MH

Parker: WMLO



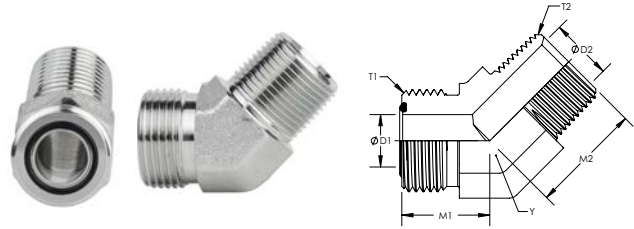
PART #	Y HEX	T1	D1	T2	D2	L
4325X04X04MH	0.866	9/16-18	0.177	9/16-18	0.177	1.890
4325X06X06MH	1.063	11/16-16	0.256	11/16-16	0.256	2.087
4325X08X08MH	1.181	13/16-16	0.374	13/16-16	0.374	2.303
4325X10X10MH	1.417	1-14	0.492	1-14	0.492	2.618
4325X12X12MH	1.614	1-3/16-12	0.610	1-3/16-12	0.610	2.716
4325X16X16MH	1.811	1-7/16-12	0.807	1-7/16-12	0.807	2.756
4325X20X20MH	1.969	1-11/16-12	1.024	1-11/16-12	1.024	2.756

ELBOWS

MALE ORFS TO MALE PIPE 45° ELBOW

WWF PART # 4355

Industry Standard: FS2503
Parker: VLO
Aeroquip: FF2093T
Tompkins: FF2503
Fittings Unlimited: Y-OFS-2503-F

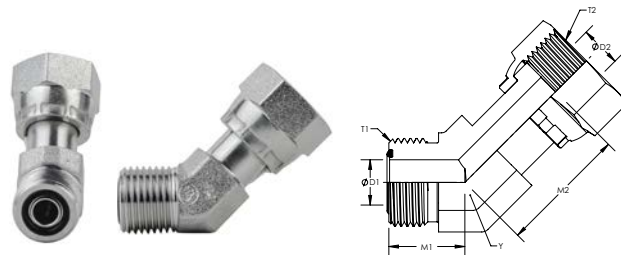


PART #	Y HEX	T1	M1	D1	T2	M2	D2
4355X04X04	0.563	9/16-18	0.630	0.177	1/4-18	0.860	0.281
4355X06X04	0.669	11/16-16	0.748	0.256	1/4-18	0.860	0.281
4355X06X08	0.750	11/16-16	0.748	0.256	1/2-14	1.170	0.531
4355X08X06	0.750	13/16-16	0.800	0.374	3/8-18	0.950	0.406
4355X08X08	0.875	13/16-16	0.860	0.374	1/2-14	1.170	0.531
4355X08X12	1.063	13/16-16	0.860	0.374	3/4-14	1.300	0.719
4355X10X08	1.063	1-14	0.925	0.492	1/2-14	1.170	0.531
4355X12X08	1.188	1-3/16-12	1.024	0.610	1/2-14	1.170	0.531
4355X12X12	1.188	1-3/16-12	1.024	0.610	3/4-14	1.300	0.719
4355X20X20	1.625	1-11/16-12	1.260	1.024	1-1/4-11-1/2	1.670	1.250

MALE ORFS TO FEMALE ORFS SWIVEL 45° ELBOW

WWF PART # 4356

Industry Standard: FS6502
Parker: V6LO
Aeroquip: FF2133T
Tompkins: FF6502
Fittings Unlimited: Y-OFS-6502-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2
4356X04X04	0.563	9/16-18	0.630	0.177	9/16-18	0.990	0.157
4356X06X06	0.669	11/16-16	0.748	0.256	11/16-16	1.120	0.256
4356X08X08	0.750	13/16-16	0.807	0.374	13/16-16	1.320	0.354
4356X10X10	1.063	1-14	0.925	0.492	1-14	1.440	0.453
4356X12X12	1.188	1-3/16-12	1.024	0.610	1-3/16-12	1.730	0.551
4356X16X16	1.438	1-7/16-12	1.181	0.807	1-7/16-12	1.870	0.787

ELBOWS

MALE ORFS TO MALE O-RING BOSS 45° ELBOW

WWF PART# 4365
SAE: 520320
Industry Standard: FS6802
Parker: V5OLO
Aeroquip: FF2068T
Gates: MFFOR-MB45
Gates Global: G60805
Tompkins: FF6802
Fittins Unlimited: Y-OFS-6802-F



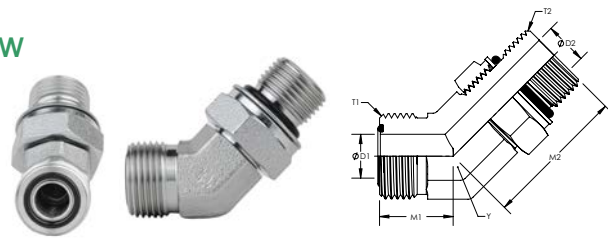
PART #	Y HEX	T1	M1	D1	T2	M2	D2
4365X04X03	0.563	9/16-18	0.630	0.177	3/8-24	1.102	0.118
4365X04X04	0.563	9/16-18	0.630	0.177	7/16-20	1.181	0.177
4365X04X06	0.669	9/16-18	0.689	0.177	9/16-18	1.300	0.295
4365X06X04	0.669	11/16-16	0.748	0.256	7/16-20	1.220	0.177
4365X06X06	0.669	11/16-16	0.748	0.256	9/16-18	1.300	0.295
4365X06X08	0.750	11/16-16	0.748	0.256	3/4-16	1.438	0.394
4365X08X06	0.750	13/16-16	0.807	0.374	9/16-18	1.280	0.295
4365X08X08	0.750	13/16-16	0.807	0.374	3/4-16	1.438	0.394
4365X08X10	1.063	13/16-16	0.846	0.374	7/8-14	1.752	0.492
4365X08X12	1.188	13/16-16	0.886	0.374	1-1/16-12	1.969	0.610
4365X10X08	1.063	1-14	0.925	0.492	3/4-16	1.575	0.394
4365X10X10	1.063	1-14	0.925	0.492	7/8-14	1.752	0.492
4365X10X12	1.188	1-14	0.964	0.492	1-1/16-12	1.969	0.610
4365X12X08	1.188	1-3/16-12	1.024	0.610	3/4-16	1.634	0.394
4365X12X10	1.188	1-3/16-12	1.024	0.610	7/8-14	1.811	0.492
4365X12X12	1.188	1-3/16-12	1.024	0.610	1-1/16-12	1.969	0.610
4365X12X16	1.438	1-3/16-12	1.161	0.610	1-5/16-12	2.067	0.846
4365X16X12	1.438	1-7/16-12	1.181	0.807	1-1/16-12	2.028	0.610
4365X16X16	1.438	1-7/16-12	1.181	0.807	1-5/16-12	2.067	0.846
4365X16X20	1.625	1-7/16-12	1.260	0.807	1-5/8-12	2.106	1.082
4365X20X16	1.625	1-11/16-12	1.260	1.024	1-5/16-12	2.106	0.846
4365X20X20	1.625	1-11/16-12	1.260	1.024	1-5/8-12	2.106	1.082
4365X24X24	1.875	2-12	1.457	1.260	1-7/8-12	2.106	1.319

ELBOWS

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MALE ORFS TO METRIC MALE O-RING BOSS 45° ELBOW

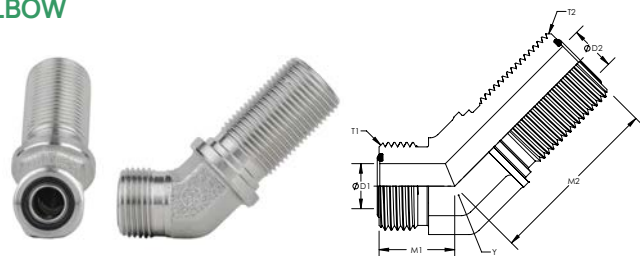
WWF PART # 4365M
SAE: 52M0387
Industry Standard: FS7300
Parker: V87OMLO



PART #	Y HEX	T1	M1	D1	T2	M2	D2
4365X04XM18	0.748	9/16-18	0.748	0.177	M18X1.5	1.457	0.354
4365X06XM14	0.669	11/16-16	0.748	0.256	M14X1.5	1.240	0.236
4365X06XM16	0.669	11/16-16	0.748	0.256	M16X1.5	1.319	0.276
4365X06XM18	0.748	11/16-16	0.748	0.256	M18X1.5	1.457	0.354
4365X08XM18	0.748	13/16-16	0.807	0.374	M18X1.5	1.457	0.354
4365X10XM22	0.945	1-14	0.925	0.492	M22X1.5	1.732	0.472
4365X12XM27	1.063	1-3/16-12	1.024	0.610	M27X2.0	1.988	0.591
4365X16XM33	1.417	1-7/16-12	1.181	0.807	M33X2.0	2.067	0.787
4365X20XM42	1.614	1-11/16-12	1.260	1.024	M42X2.0	2.126	1.024

MALE ORFS BULKHEAD TO MALE ORFS 45° UNION ELBOW

WWF PART # 4375
SAE: 520801
Industry Standard: FS2702
Parker: WNLO
Tompkins: FF2702
Fittings Unlimited: Y-OFS-2702-F

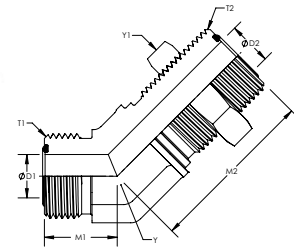


PART #	Y HEX	T1	M1	D1	T2	M2	D2
4375X04X04	0.563	9/16-18	0.630	0.177	9/16-18	1.732	0.177
4375X06X06	0.669	11/16-16	0.748	0.256	11/16-16	1.909	0.256
4375X08X08	0.750	13/16-16	0.807	0.374	13/16-16	2.008	0.374
4375X10X10	1.063	1-14	0.925	0.492	1-14	2.224	0.492
4375X12X12	1.188	1-3/16-12	1.024	0.610	1-3/16-12	2.382	0.610
4375X16X16	1.438	1-7/16-12	1.181	0.807	1-7/16-12	2.560	0.807
4375X20X20	1.625	1-11/16-12	1.260	1.024	1-11/16-12	2.638	1.024

ELBOWS

MALE ORFS BULKHEAD TO MALE ORFS 45° UNION ELBOW - WITH LOCKNUT

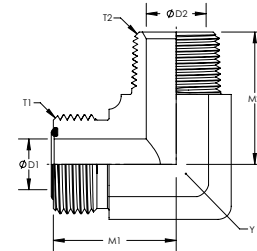
WWF PART # 4375LN
SAE: 520801
Industry Standard: FS2702-LN
Parker: WNLO-WLN
Aeroquip: FF2144T
Tompkins: FF2702-LN
Fittings Unlimited: Y-OFS-2702-F-LN



PART #	Y HEX	Y1 HEX	T1	M1	D1	T2	M2	D2
4375X04X04LN	0.563	0.813	9/16-18	0.630	0.177	9/16-18	1.732	0.177
4375X06X06LN	0.669	1.000	11/16-16	0.748	0.256	11/16-16	1.909	0.256
4375X08X08LN	0.750	1.125	13/16-16	0.807	0.374	13/16-16	2.008	0.374
4375X10X10LN	1.063	1.313	1-14	0.925	0.492	1-14	2.224	0.492
4375X12X12LN	1.188	1.500	1-3/16-12	1.024	0.610	1-3/16-12	2.382	0.610
4375X16X16LN	1.438	1.750	1-7/16-12	1.181	0.807	1-7/16-12	2.560	0.807
4375X20X20LN	1.625	2.000	1-11/16-12	1.260	1.024	1-11/16-12	2.638	1.024

MALE ORFS TO MALE PIPE 90° ELBOW

WWF PART # 4405
Industry Standard: FS2501
Parker: CLO
Aeroquip: FF2032T
Tompkins: FF2501
Fittings Unlimited: Y-OFS-2501-F

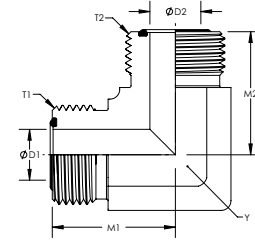


PART #	Y HEX	T1	M1	D1	T2	M2	D2
4405X04X02	0.563	9/16-18	0.846	0.177	1/8-27	0.800	0.188
4405X04X04	0.563	9/16-18	0.846	0.177	1/4-18	1.120	0.281
4405X06X04	0.669	11/16-16	0.984	0.256	1/4-18	1.090	0.281
4405X06X06	0.750	11/16-16	0.984	0.256	3/8-18	1.220	0.406
4405X06X08	0.875	11/16-16	1.150	0.256	1/2-14	1.470	0.531
4405X08X04	0.750	13/16-16	1.102	0.374	1/4-18	1.220	0.281
4405X08X06	0.750	13/16-16	1.102	0.374	3/8-18	1.220	0.406
4405X08X08	0.875	13/16-16	1.102	0.374	1/2-14	1.470	0.531
4405X08X12	1.063	13/16-16	1.327	0.374	3/4-14	1.590	0.719
4405X10X08	1.063	1-14	1.319	0.492	1/2-14	1.470	0.531
4405X10X12	1.188	1-14	1.410	0.492	3/4-14	1.590	0.719
4405X12X08	1.188	1-3/16-12	1.476	0.610	1/2-14	1.590	0.531
4405X12X12	1.188	1-3/16-12	1.476	0.610	3/4-14	1.590	0.719
4405X16X16	1.438	1-7/16-12	1.634	0.807	1-11-1/2	1.970	0.938
4405X20X20	1.625	1-11/16-12	1.752	1.024	1-1/4-11-1/2	2.380	1.250

ELBOWS

MALE ORFS TO MALE ORFS 90° UNION ELBOW

WWF PART # 4505
SAE: 520201
Industry Standard: FS2500
Parker: ELO
Aeroquip: FF2035T
Gates: MFFOR-MFFOR90
Gates Global: G60712
Tompkins: FF2500
Fittings Unlimited: Y-OFS-2500-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2
4505X04X04	0.563	9/16-18	0.846	0.177	9/16-18	0.846	0.177
4505X06X04	0.669	11/16-16	0.984	0.256	9/16-18	0.925	0.177
4505X06X06	0.669	11/16-16	0.984	0.256	11/16-16	0.984	0.256
4505X08X08	0.750	13/16-16	1.102	0.374	13/16-16	1.102	0.374
4505X10X08	1.063	1-14	1.319	0.492	13/16-16	1.240	0.374
4505X10X10	1.063	1-14	1.319	0.492	1-14	1.319	0.492
4505X12X08	1.188	1-3/16-12	1.476	0.610	13/16-16	1.338	0.374
4505X12X12	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610
4505X16X16	1.438	1-7/16-12	1.634	0.807	1-7/16-12	1.634	0.807
4505X20X20	1.625	1-11/16-12	1.752	1.024	1-11/16-12	1.752	1.024
4505X24X24	1.875	2-12	1.929	1.260	2-12	1.929	1.260

ELBOWS

MALE ORFS TO FEMALE ORFS SWIVEL 90° ELBOW

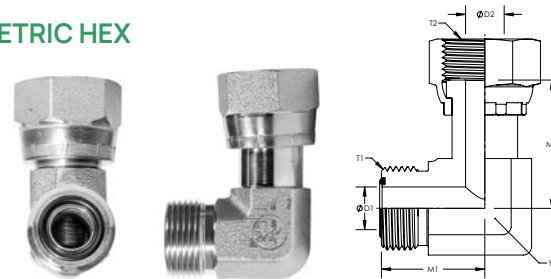
WWF PART # 4506
SAE: 520221
Industry Standard: FS6500
Parker: C6LO
Aeroquip: FF2098T
Gates: MFFOR-FFORX90
Gates Global: G60724
Tompkins: FF6500
Fittings unlimited: Y-OFS-6500-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2
4506X04X04	0.563	9/16-18	0.846	0.177	9/16-18	1.043	0.157
4506X04X06	0.669	9/16-18	0.925	0.177	11/16-16	1.142	0.256
4506X06X06	0.669	11/16-16	0.984	0.256	11/16-16	1.142	0.256
4506X08X06	0.750	13/16-16	1.102	0.374	11/16-16	1.378	0.256
4506X08X08	0.750	13/16-16	1.102	0.374	13/16-16	1.496	0.354
4506X08X12	1.188	13/16-16	1.338	0.374	1-3/16-16	1.831	0.551
4506X10X10	1.063	1-14	1.319	0.492	1-14	1.614	0.453
4506X12X12	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.831	0.551
4506X16X16	1.438	1-7/16-12	1.634	0.807	1-7/16-12	2.106	0.787
4506X20X20	1.625	1-11/16-12	1.752	1.024	1-11/16-12	2.283	1.024
4506X24X20	1.875	2-12	1.929	1.260	1-11/16-12	2.401	1.024
4506X24X24	1.875	2-12	1.929	1.260	2-12	2.401	1.260

MALE ORFS TO FEMALE ORFS SWIVEL 90° ELBOW - METRIC HEX

WWF PART # 4506MH
SAE: 52M0221
Industry Standard: FS6500-MH
Parker: C6MLO

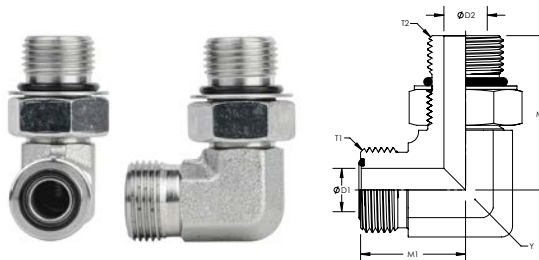


PART #	Y HEX	T1	M1	D1	T2	M2	D2
4506X04X04MH	0.551	9/16-18	0.846	0.177	9/16-18	1.043	0.157
4506X06X06MH	0.669	11/16-16	0.984	0.256	11/16-16	1.142	0.256
4506X10X10MH	0.945	1-14	1.319	0.492	1-14	1.614	0.453
4506X12X12MH	1.063	1-3/16-12	1.476	0.610	1-3/16-12	1.831	0.551
4506X16X16MH	1.417	1-7/16-12	1.634	0.807	1-7/16-12	2.106	0.787

ELBOWS

MALE ORFS TO MALE O-RING BOSS ADJUSTABLE 90° ELBOW

WWF PART # 4515
SAE: 520220
Industry Standard: FS6801
Parker: C5OLO
Aeroquip: FF1868T
Gates: MFFOR-MB90
Gates Global: G60810
Tompkins: FF6801
Fittings Unlimited: Y-OFS-6801-F-NWO-90°

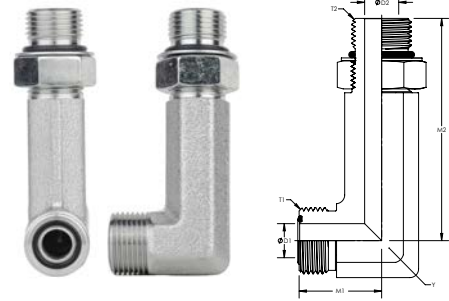


PART #	Y HEX	T1	M1	D1	T2	M2	D2
4515X04X04	0.563	9/16-18	0.846	0.177	7/16-20	1.299	0.177
4515X04X05	0.669	9/16-18	0.925	0.177	1/2-20	1.398	0.236
4515X04X06	0.669	9/16-18	0.925	0.177	9/16-18	1.457	0.295
4515X04X08	0.750	9/16-18	0.984	0.177	3/4-16	1.594	0.394
4515X06X04	0.669	11/16-16	0.984	0.256	7/16-20	1.378	0.177
4515X06X05	0.669	11/16-16	0.984	0.256	1/2-20	1.378	0.236
4515X06X06	0.669	11/16-16	0.984	0.256	9/16-18	1.457	0.295
4515X06X08	0.750	11/16-16	1.043	0.256	3/4-16	1.594	0.394
4515X06X10	1.063	11/16-16	1.181	0.256	7/8-14	1.969	0.492
4515X06X12	1.188	11/16-16	1.280	0.256	1-1/16-12	2.165	0.610
4515X08X04	0.750	13/16-16	1.102	0.374	7/16-20	1.358	0.177
4515X08X06	0.750	13/16-16	1.102	0.374	9/16-18	1.438	0.295
4515X08X08	0.750	13/16-16	1.102	0.374	3/4-16	1.594	0.394
4515X08X10	1.063	13/16-16	1.240	0.374	7/8-14	1.969	0.492
4515X08X12	1.188	13/16-16	1.338	0.374	1-1/16-12	2.165	0.610
4515X08X16	1.438	13/16-16	1.476	0.374	1-5/16-12	2.342	0.846
4515X10X08	1.063	1-14	1.319	0.492	3/4-16	1.811	0.394
4515X10X10	1.063	1-14	1.319	0.492	7/8-14	1.969	0.492
4515X10X12	1.188	1-14	1.417	0.492	1-1/16-12	2.165	0.610
4515X12X08	1.188	1-3/16-12	1.476	0.610	3/4-16	1.831	0.394
4515X12X10	1.188	1-3/16-12	1.476	0.610	7/8-14	2.008	0.492
4515X12X12	1.188	1-3/16-12	1.476	0.610	1-1/16-12	2.165	0.610
4515X12X16	1.438	1-3/16-12	1.614	0.610	1-5/16-12	2.342	0.846
4515X16X12	1.438	1-7/16-12	1.634	0.807	1-1/16-12	2.303	0.610
4515X16X16	1.438	1-7/16-12	1.634	0.807	1-5/16-12	2.342	0.846
4515X16X20	1.625	1-7/16-12	1.752	0.807	1-5/8-12	2.441	1.083
4515X20X12	1.625	1-11/16-12	1.752	1.024	1-1/16-12	2.402	0.610
4515X20X16	1.625	1-11/16-12	1.752	1.024	1-5/16-12	2.441	0.846
4515X20X20	1.625	1-11/16-12	1.752	1.024	1-5/8-12	2.441	1.083
4515X20X24	1.875	1-11/16-12	1.929	1.024	1-7/8-12	2.598	1.319
4515X24X20	1.875	2-12	1.929	1.260	1-5/8-12	2.598	1.083
4515X24X24	1.875	2-12	1.929	1.260	1-7/8-12	2.598	1.319

ELBOWS

MALE ORFS TO MALE O-RING BOSS ADJUSTABLE 90° ELBOW - LONG

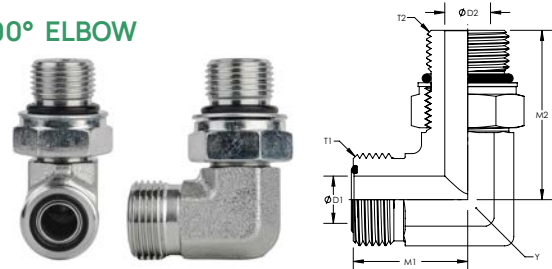
WWF PART # 4515L
SAE: 521520
Industry Standard: FS6801-L
Parker: CC5OLO
Aeroquip: FF2227T
Gates: MFFOR-MB90L
Gates Global: G60811
Tompkins: FF6801-L
Fittings unlimited: Y-OFS-6801-F-L-NWO-90°



PART #	Y HEX	T1	M1	D1	T2	M2	D2
4515X04X04L	0.563	9/16-18	0.846	0.177	7/16-20	2.224	0.177
4515X06X06L	0.669	11/16-16	0.984	0.256	9/16-18	2.618	0.295
4515X08X08L	0.750	13/16-16	1.102	0.374	3/4-16	2.953	0.394
4515X10X10L	1.063	1-14	1.319	0.492	7/8-14	3.504	0.492
4515X12X12L	1.188	1-3/16-12	1.476	0.610	1-1/16-12	3.976	0.610
4515X16X16L	1.438	1-7/16-12	1.634	0.807	1-5/16-12	4.508	0.846
4515X20X20L	1.625	1-11/16-12	1.752	1.024	1-5/8-12	4.980	1.083

MALE ORFS TO METRIC MALE O-RING BOSS ADJUSTABLE 90° ELBOW

WWF PART # 4515M
SAE: 52M0287
Industry Standard: FS7205
Parker: C87OMLO
Aeroquip: FF2744T
Tompkins: FF7801

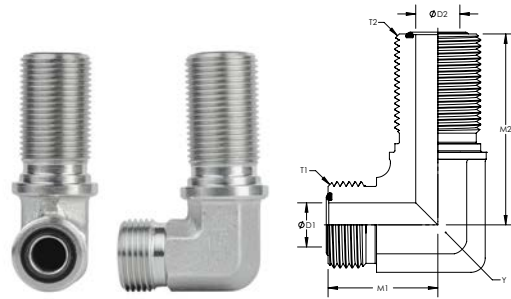


PART #	Y HEX	T1	M1	D1	T2	M2	D2
4515X04XM12	0.551	9/16-18	0.846	0.177	M12X1.5	1.299	0.157
4515X04XM14	0.669	9/16-18	0.925	0.177	M14X1.5	1.398	0.236
4515X04XM16	0.669	9/16-18	0.925	0.177	M16X1.5	1.476	0.276
4515X06XM12	0.669	11/16-16	0.984	0.256	M12X1.5	1.398	0.157
4515X06XM14	0.669	11/16-16	0.984	0.256	M14X1.5	1.398	0.236
4515X06XM16	0.669	11/16-16	0.984	0.256	M16X1.5	1.476	0.276
4515X06XM18	0.748	11/16-16	1.043	0.256	M18X1.5	1.614	0.354
4515X08XM14	0.748	13/16-16	1.102	0.374	M14X1.5	1.417	0.236
4515X08XM16	0.748	13/16-16	1.102	0.374	M16X1.5	1.496	0.276
4515X08XM18	0.748	13/16-16	1.102	0.374	M18X1.5	1.614	0.354
4515X08XM22	0.945	13/16-16	1.240	0.374	M22X1.5	1.929	0.472
4515X08XM30	1.417	13/16-16	1.476	0.374	M30X2.0	2.342	0.669
4515X10XM16	0.945	1-14	1.319	0.492	M16X1.5	1.752	0.276
4515X10XM18	0.945	1-14	1.319	0.492	M18X1.5	1.870	0.354
4515X10XM22	0.945	1-14	1.319	0.492	M22X1.5	1.929	0.472
4515X10XM27	1.063	1-14	1.417	0.492	M27X2.0	2.185	0.590
4515X12XM22	1.063	1-3/16-12	1.476	0.610	M22X1.5	1.929	0.472
4515X12XM27	1.063	1-3/16-12	1.476	0.610	M27X2.0	2.185	0.590
4515X12XM33	1.417	1-3/16-12	1.614	0.610	M33X2.0	2.342	0.787
4515X16XM27	1.417	1-7/16-12	1.634	0.807	M27X2.0	2.342	0.590
4515X16XM33	1.417	1-7/16-12	1.634	0.807	M33X2.0	2.342	0.787
4515X20XM33	1.614	1-11/16-12	1.752	1.024	M33X2.0	2.441	0.787
4515X20XM42	1.614	1-11/16-12	1.752	1.024	M42X2.0	2.480	1.024
4515X20XM48	1.969	1-11/16-12	1.929	1.024	M48X2.0	2.815	1.260

ELBOWS

MALE ORFS BULKHEAD TO MALE ORFS 90° UNION ELBOW

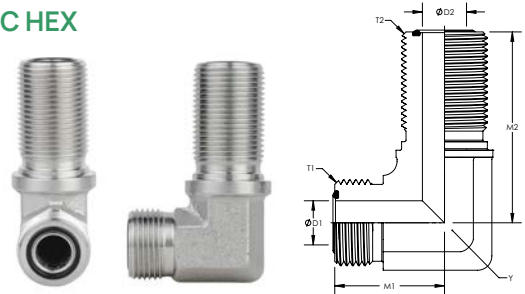
WWF PART # 4525
SAE: 520701
Industry Standard: FS2701
Parker: WELO
Tompkins: FF2701
Fittings Unlimited: Y-OFS-2701-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2
4525X04X04	0.563	9/16-18	0.886	0.177	9/16-18	1.850	0.177
4525X06X06	0.669	11/16-16	1.023	0.256	11/16-16	2.047	0.256
4525X06X08	0.750	11/16-16	1.083	0.256	13/16-16	2.185	0.374
4525X08X08	0.750	13/16-16	1.142	0.374	13/16-16	2.185	0.374
4525X10X10	1.063	1-14	1.358	0.492	1-14	2.480	0.492
4525X12X12	1.188	1-3/16-12	1.516	0.610	1-3/16-12	2.638	0.610
4525X16X16	1.438	1-7/16-12	1.673	0.807	1-7/16-12	2.795	0.807
4525X20X20	1.625	1-11/16-12	1.791	1.024	1-11/16-12	2.972	1.024
4525X24X24	1.875	2-12	1.949	1.260	2-12	3.130	1.260

MALE ORFS BULKHEAD TO MALE ORFS 90° UNION ELBOW - METRIC HEX

WWF PART # 4525MH
SAE: 52M0701
Industry Standard: FS2701-MH
Parker: WEMLO

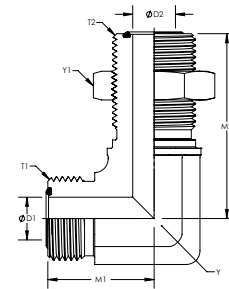


PART #	Y HEX	T1	M1	D1	T2	M2	D2
4525X04X04MH	0.551	9/16-18	0.886	0.117	9/16-18	1.850	0.177
4525X10X10MH	0.945	1-14	1.358	0.492	1-14	2.480	0.492
4525X16X16MH	1.417	1-7/16-12	1.673	0.807	1-7/16-12	2.795	0.807

ELBOWS

MALE ORFS BULKHEAD TO MALE ORFS 90° UNION ELBOW - WITH LOCKNUT

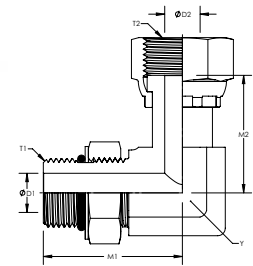
WWF PART # 4525LN
SAE: 520701
Industry Standard: FS2701-LN
Parker: WELO-WLN
Aeroquip: FF2030T
Tompkins: FF2701-LN
Fittings Unlimited: Y-OFS-2701-F-LN-90°



PART #	Y HEX	Y1 HEX	T1	M1	D1	T2	M2	D2
4525X04X04LN	0.563	0.813	9/16-18	0.886	0.177	9/16-18	1.850	0.177
4525X06X06LN	0.669	1.000	11/16-16	1.023	0.256	11/16-16	2.047	0.256
4525X06X08LN	0.750	1.125	11/16-16	1.083	0.256	13/16-16	2.185	0.374
4525X08X08LN	0.750	1.125	13/16-16	1.142	0.374	13/16-16	2.185	0.374
4525X10X10LN	1.063	1.313	1-14	1.358	0.492	1-14	2.480	0.492
4525X12X12LN	1.188	1.500	1-3/16-12	1.516	0.610	1-3/16-12	2.638	0.610
4525X16X16LN	1.438	1.750	1-7/16-12	1.673	0.807	1-7/16-12	2.795	0.807
4525X20X20LN	1.625	2.000	1-11/16-12	1.791	1.024	1-11/16-12	2.972	1.024
4525X24X24LN	1.875	2.375	2-12	1.949	1.260	2-12	3.130	1.260

MALE O-RING BOSS ADJUSTABLE TO FEMALE ORFS 90° ELBOW

WWF PART # FS6809
SAE: 520281
Industry Standard: FS6809
Fittings Unlimited: Y-OFS-6809-F-NWO- 90°

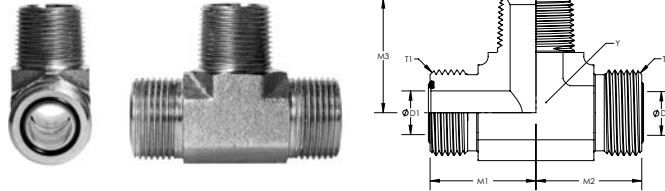


PART #	Y HEX	T1	M1	D1	T2	M2	D2
FS6809X04X04	0.563	7/16-20	1.299	0.177	9/16-18	1.043	0.157
FS6809X06X06	0.669	9/16-18	1.457	0.295	11/16-16	1.142	0.256
FS6809X08X08	0.750	3/4-16	1.594	0.394	13/16-16	1.496	0.354
FS6809X10X10	1.063	7/8-14	1.969	0.492	1-14	1.614	0.453
FS6809X12X12	1.188	1-1/16-12	2.165	0.610	1-3/16-12	1.831	0.551
FS6809X16X16	1.438	1-5/16-12	2.342	0.846	1-7/16-12	2.106	0.787
FS6809X20X20	1.625	1-5/8-12	2.441	1.083	1-11/16-12	2.283	1.024

TEES

MALE ORFS TO MALE ORFS TO MALE PIPE BRANCH TEE

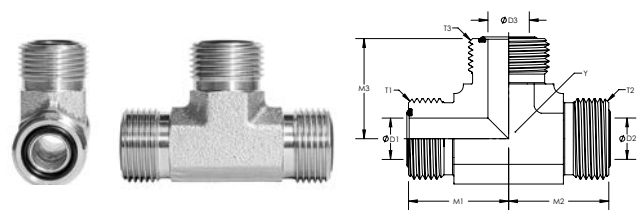
WWF PART # 4605
SAE: 520425
Industry Standard: FS2601
Parker: SLO
Aeroquip: FF2001T
Tompkins: FF2601
Fittings Unlimited: Y-OFS-2601-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4605X04X04X04	0.563	9/16-18	0.846	0.177	9/16-18	0.846	0.177	1/4-18	1.090	0.281
4605X06X06X04	0.669	11/16-16	0.984	0.256	11/16-16	0.984	0.256	1/4-18	1.090	0.281
4605X06X06X06	0.750	11/16-16	0.984	0.256	11/16-16	0.984	0.256	3/8-18	1.220	0.406
4605X08X08X06	0.750	13/16-16	1.102	0.374	13/16-16	1.102	0.374	3/8-18	1.220	0.406
4605X08X08X08	0.875	13/16-16	1.102	0.374	13/16-16	1.102	0.374	1/2-14	1.470	0.531
4605X12X12X12	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610	3/4-14	1.590	0.719
4605X16X16X16	1.438	1-7/16-12	1.634	0.807	1-7/16-12	1.634	0.807	1-11-1/2	1.970	0.938
4605X20X20X20	1.625	1-11/16-12	1.752	1.024	1-11/16-12	1.752	1.024	1-1/4-11-1/2	2.380	1.250

MALE ORFS TO MALE ORFS TO MALE ORFS UNION TEE

PRODUCT # 4705
SAE: 520401
Industry Standard: FS2603
Parker: JLO
Aeroquip: FF1898T
Gates: MFFOR-MFFOR-MFFOR
Global Gates: G60740
Tompkins: FF2603
Fittings Unlimited: Y-OFS-2603-F

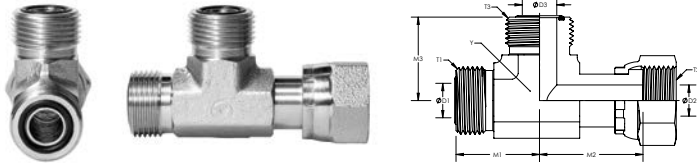


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4705X04X04X04	0.563	9/16-18	0.846	0.177	9/16-18	0.846	0.177	9/18-18	0.846	0.177
4705X06X06X06	0.669	11/16-16	0.984	0.256	11/16-16	0.984	0.256	11/16-16	0.984	0.256
4705X06X06X08	0.750	11/16-16	1.043	0.256	11/16-16	1.043	0.256	13/16-16	1.102	0.374
4705X08X06X08	0.750	13/16-16	1.102	0.374	11-16-16	1.043	0.256	13/16-16	1.102	0.374
4705X08X08X06	0.750	13/16-16	1.102	0.374	13/16-16	1.102	0.374	11/16-16	1.043	0.256
4705X08X08X08	0.750	13/16-16	1.102	0.374	13/16-16	1.102	0.374	13/16-16	1.102	0.374
4705X10X10X10	1.063	1-14	1.319	0.492	1-14	1.319	0.492	1-14	1.319	0.492
4705X10X10X12	1.188	1-14	1.417	0.492	1-14	1.417	0.492	1-3/16-12	1.476	0.610
4705X12X12X12	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610
4705X12X12X16	1.438	1-3/16-12	1.614	0.610	1-3/16-12	1.614	0.610	1-7/16-12	1.634	0.807
4705X16X16X12	1.438	1-7/16-12	1.634	0.807	1-7/16-12	1.634	0.807	1-3/16-12	1.614	0.610
4705X16X16X16	1.438	1-7/16-12	1.634	0.807	1-7/16-12	1.634	0.807	1-7/16-12	1.634	0.807
4705X20X20X20	1.625	1-11/16-12	1.752	1.024	1-11/16-12	1.752	1.024	1-11/16-12	1.752	1.024

TEES

MALE ORFS TO FEMALE ORFS SWIVEL TO MALE ORFS RUN TEE

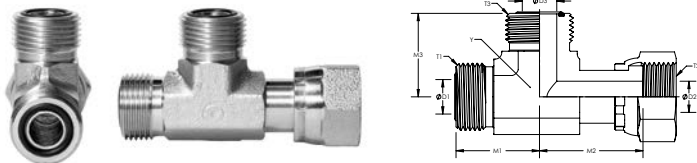
WWF PART # 4706
SAE: 520432
 Industry Standard: FS6602
 Parker: R6LO
 Aeroquip: FF2114T
 Gates: MFFOR-FFORX-MFFOR
 Gates Global: G60744
 Tompkins: FF6502
 Fittings Unlimited: Y-OFS-6602-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4706X04X04X04	0.563	9/16-18	0.846	0.177	9/16-18	1.043	0.157	9/16-18	0.846	0.177
4706X06X06X06	0.669	11/16-16	0.984	0.256	11/16-16	1.142	0.256	11/16-16	0.984	0.256
4706X06X06X08	0.750	11/16-16	1.043	0.256	11/16-16	1.378	0.256	13/16-16	1.102	0.374
4706X08X08X08	0.750	13/16-16	1.102	0.374	13/16-16	1.496	0.354	13/16-16	1.102	0.374
4706X10X10X10	1.063	1-14	1.319	0.492	1-14	1.614	0.453	1-14	1.319	0.492
4706X12X10X10	1.188	1-3/16-12	1.476	0.610	1-14	1.732	0.453	1-14	1.417	0.492
4706X12X12X10	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.831	0.551	1-14	1.417	0.492
4706X12X12X12	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.831	0.551	1-3/16-12	1.476	0.610
4706X16X16X16	1.438	1-7/16-12	1.634	0.807	1-7/16-12	2.106	0.787	1-7/16-12	1.634	0.807
4706X20X20X20	1.625	1-11/16-12	1.752	1.024	1-11/16-12	2.283	1.024	1-11/16-12	1.752	1.024
4706X24X24X24	1.875	2-12	1.929	1.260	2-12	2.401	1.260	2-12	1.929	1.260

MALE ORFS TO FEMALE ORFS SWIVEL TO MALE ORFS RUN TEE - METRIC HEX

WWF PART # 4706MH
SAE: 52M0432
 Industry Standard: FS6602-MH
 Parker: R6MLO

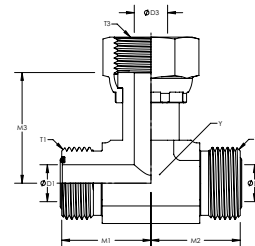


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4706X04X04X04MH	0.551	9/16-18	0.846	0.177	9/16-18	1.043	0.157	9/16-18	0.846	0.177
4706X06X06X06MH	0.669	11/16-16	0.984	0.256	11/16-16	1.142	0.256	11/16-16	0.984	0.256
4706X10X10X10MH	0.945	1-14	1.319	0.492	1-14	1.614	0.453	1-14	1.319	0.492
4706X12X12X12MH	1.063	1-3/16-12	1.476	0.610	1-3/16-12	1.831	0.551	1-3/16-12	1.476	0.610
4706X16X16X16MH	1.417	1-7/16-12	1.634	0.807	1-7/16-12	2.106	0.787	1-7/16-12	1.634	0.807

TEES

MALE ORFS TO MALE ORFS TO FEMALE ORFS SWIVEL BRANCH TEE

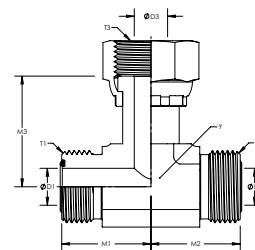
WWF PART # 4707
SAE: 520433
 Industry Standard: FS6600
 Parker: S6LO
 Aeroquip: FF1857T
 Gates: MFFOR-MFFOR-FFORX
 Gates Global: G60742
 Tompkins: FF6600
 Fittings Unlimited: Y-OFS-6600-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4707X04X04X04	0.563	9/16-18	0.846	0.177	9/16-18	0.846	0.177	9/18-18	1.043	0.157
4707X06X06X06	0.669	11/16-16	0.984	0.256	11/16-16	0.984	0.256	11/16-16	1.142	0.256
4707X08X08X08	0.750	13/16-16	1.102	0.374	13/16-16	1.102	0.374	13/16-16	1.496	0.354
4707X10X10X10	1.063	1-14	1.319	0.492	1-14	1.319	0.492	1-14	1.614	0.453
4707X12X12X12	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610	1-3/16-12	1.831	0.551
4707X16X16X16	1.438	1-7/16-12	1.634	0.807	1-7/16-12	1.634	0.807	1-7/16-12	2.106	0.787
4707X24X24X24	1.875	2-12	1.929	1.260	2-12	1.929	1.260	2-12	2.401	1.260

MALE ORFS TO MALE ORFS TO FEMALE ORFS SWIVEL BRANCH TEE

WWF PART # 4707MH
SAE: 52M0433
 Industry Standard: FS6600-MH
 Parker: S6MLO



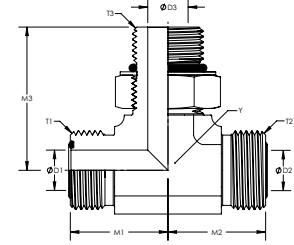
PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4707X10X10X10MH	0.945	1-14	1.319	0.492	1-14	1.319	0.492	1-14	1.614	0.453
4707X12X12X12MH	1.063	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610	1-3/16-12	1.831	0.551

TEES

MALE ORFS TO MALE ORFS TO MALE O-RING BOSS ADJUSTABLE BRANCH TEE

WWF PART # 4715
SAE: 520429

Industry Standard: FS6803
Parker: S5OLO
Aeroquip: FF1861T
Gates: MFFOR-MFFOR-MB
Global Gates: G60820
Tompkins: FF6803
Fittings Unlimited: Y-OFS-6803-F

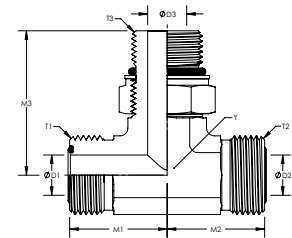


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4715X04X04X04	0.563	9/16-18	0.846	0.177	9/16-18	0.846	0.177	7/16-20	1.299	0.177
4715X06X06X06	0.669	11/16-16	0.984	0.256	11/16-16	0.984	0.256	9/16-18	1.457	0.295
4715X06X06X08	0.750	11/16-16	1.043	0.256	11/16-16	1.043	0.256	3/4-16	1.594	0.393
4715X08X08X06	0.750	13/16-16	1.102	0.374	13/16-16	1.102	0.374	9/16-18	1.438	0.295
4715X08X06X08	0.750	13/16-16	1.102	0.374	11/16-16	1.043	0.256	3/4-16	1.594	0.394
4715X08X08X08	0.750	13/16-16	1.102	0.374	13/16-16	1.102	0.374	3/4-16	1.594	0.393
4715X10X10X10	1.063	1-14	1.319	0.492	1-14	1.319	0.492	7/8-14	1.969	0.492
4715X12X12X10	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610	7/8-14	2.008	0.492
4715X12X12X12	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610	1-1/16-12	2.165	0.610
4715X12X12X16	1.438	1-3/16-12	1.614	0.610	1-3/16-12	1.614	0.610	1-5/16-12	2.342	0.846
4715X16X12X12	1.438	1-7/16-12	1.634	0.807	1-3/16-12	1.614	0.610	1-5/16-13	2.303	0.610
4715X16X16X16	1.438	1-7/16-12	1.634	0.807	1-7/16-12	1.634	0.807	1-5/16-12	2.342	0.846
4715X20X20X20	1.625	1-11/16-12	1.752	1.024	1-11/16-12	1.752	1.024	1-5/8-12	2.441	1.083
4715X24X24X24	1.875	2-12	1.929	1.260	2-12	1.929	1.260	1-7/8-12	2.598	1.319

MALE ORFS TO MALE ORFS TO METRIC MALE O-RING BOSS ADJUSTABLE BRANCH TEE

WWF PART # 4715M
SAE: 52M0489

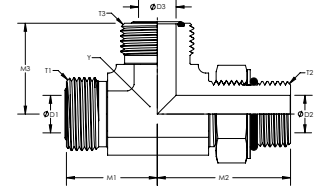
Industry Standard: FS7210
Parker: S870MLO



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4715X04X04XM12	0.551	9/16-18	0.846	0.177	9/16-18	0.846	0.177	M12X1.5	1.299	0.157
4715X08X08XM22	0.945	13/16-16	1.240	0.374	13/16-16	1.240	0.374	M22X1.5	1.929	0.472
4715X10X10XM22	0.945	1-14	1.319	0.492	1-14	1.319	0.492	M22X1.5	1.929	0.472
4715X12X12XM27	1.063	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610	M27X2.0	2.185	0.590

MALE ORFS TO MALE O-RING BOSS ADJUSTABLE TO MALE ORFS RUN TEE

WWF PART # 4716
SAE: 520428
Industry Standard: FS6804
Parker: R5OLO
Aeroquip: FF1865T
Gates: MFFOR-MB-MFFOR
Gates Global: G60821
Tompkins: FF6804
Fittings Unlimited: Y-OFS-6804-F

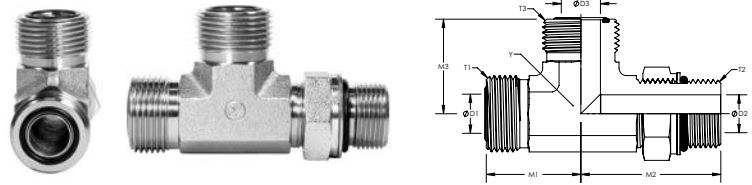


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4716X04X04X04	0.563	9/16-18	0.846	0.177	7/16-20	1.299	0.177	9/18-18	0.846	0.177
4716X04X04X06	0.669	9/16-18	0.925	0.177	7/16-20	1.378	0.177	11/16-16	0.984	0.256
4716X04X06X04	0.669	9/16-18	0.925	0.177	9/16-18	1.457	0.295	9/18-18	0.925	0.177
4716X06X06X04	0.669	11/16-16	0.984	0.256	9/16-18	1.457	0.295	9/16-18	0.925	0.177
4716X06X04X06	0.669	11/16-16	0.984	0.256	7/16-20	1.378	0.177	11/16-16	0.984	0.256
4716X06X06X06	0.669	11/16-16	0.984	0.256	9/16-18	1.457	0.295	11/16-16	0.984	0.256
4716X06X08X06	0.750	11/16-16	1.043	0.256	3/4-16	1.594	0.394	11/16-16	1.043	0.256
4716X08X06X08	0.750	13/16-16	1.102	0.374	9/16-18	1.438	0.295	13/16-16	1.102	0.374
4716X08X08X08	0.750	13/16-16	1.102	0.374	3/4-16	1.594	0.394	13/16-16	1.102	0.374
4716X08X08X12	1.188	13/16-16	1.338	0.374	3/4-16	1.831	0.394	1-3/16-12	1.476	0.610
4716X08X10X08	1.063	13/16-16	1.240	0.374	7/8-14	1.969	0.492	13/16-16	1.240	0.374
4716X08X16X08	1.438	13/16-16	1.476	0.374	1-5/16-12	2.342	0.846	13/16-16	1.476	0.374
4716X10X10X08	1.063	1-14	1.319	0.492	7/8-14	1.969	0.492	13/16-16	1.240	0.374
4716X10X10X10	1.063	1-14	1.319	0.492	7/8-14	1.969	0.492	1-14	1.319	0.492
4716X10X12X10	1.188	1-14	1.417	0.492	1-1/16-12	2.165	0.610	1-14	1.417	0.492
4716X10X12X12	1.188	1-14	1.417	0.492	1-1/16-12	2.165	0.610	1-3/16-12	1.476	0.610
4716X12X12X08	1.188	1-3/16-12	41.50	20.50	1-3/16-13	41.00	15.50	1-5/16-13	58.50	15.50
4716X12X12X12	1.188	1-3/16-12	1.476	0.610	1-1/16-12	2.165	0.610	1-3/16-12	1.476	0.610
4716X12X12X16	1.438	1-3/16-12	1.614	0.610	1-1/16-12	2.303	0.610	1-7/16-12	1.634	0.807
4716X12X16X12	1.438	1-3/16-12	1.614	0.610	1-5/16-12	2.342	0.846	1-3/16-12	1.614	0.610
4716X12X16X16	1.438	1-3/16-12	1.614	0.610	1-5/16-12	2.342	0.846	1-7/16-12	1.634	0.807
4716X16X12X10	1.438	1-7/16-12	1.634	0.807	1-1/16-12	2.303	0.610	1-14	1.555	0.492
4716X16X12X16	1.438	1-7/16-12	1.634	0.807	1-1/16-12	2.303	0.610	1-7/16-12	1.634	0.807
4716X16X16X12	1.438	1-7/16-12	1.634	0.807	1-5/16-12	2.342	0.846	1-3/16-12	1.614	0.610
4716X16X16X16	1.438	1-7/16-12	1.634	0.807	1-5/16-12	2.342	0.846	1-7/16-12	1.634	0.807
4716X16X16X20	1.625	1-7/16-12	1.752	0.807	1-5/16-12	2.441	0.846	1-11/16-12	1.752	1.024
4716X16X20X08	1.625	1-7/16-12	1.752	0.807	1-5/8-12	2.441	1.083	13/16-16	1.594	0.374
4716X20X20X20	1.625	1-11/16-12	1.752	1.024	1-5/8-12	2.441	1.083	1-11/16-12	1.752	1.024

TEES

MALE ORFS TO METRIC MALE O-RING BOSS ADJUSTABLE TO MALE ORFS RUN TEE

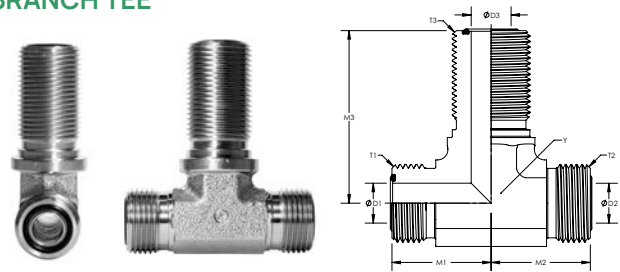
WWF PART # 4716M
SAE: 52M0488
Industry Standard: FS7215
Parker: R87OMLO



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4716X04XM12X04	0.551	9/16-18	0.846	0.177	M12X1.5	1.299	0.157	9/16-18	0.846	0.177
4716X04XM14X04	0.669	9/16-18	0.945	0.177	M14X1.5	1.398	0.236	9/16-18	0.945	0.177
4716X06XM14X06	0.669	11/16-16	0.984	0.256	M14X1.5	1.398	0.236	11/16-16	0.984	0.256
4716X06XM16X06	0.669	11/16-16	0.984	0.256	M16X1.5	1.476	0.275	11/16-16	0.984	0.256
4716X08XM14X08	0.748	13/16-16	1.102	0.374	M14X1.5	1.417	0.236	13/16-16	1.102	0.374
4716X08XM18X08	0.748	13/16-16	1.102	0.374	M18X1.5	1.614	0.354	13/16-16	1.102	0.374
4716X10XM22X10	0.945	1-14	1.319	0.492	M22X1.5	1.929	0.472	1-14	1.319	0.492
4716X12XM27X12	1.063	1-3/16-12	1.476	0.610	M27X2.0	2.185	0.590	1-3/16-12	1.476	0.610
4716X16XM33X16	1.417	1-7/16-12	1.634	0.807	M33X2.0	2.342	0.787	1-7/16-12	1.634	0.807

MALE ORFS TO MALE ORFS TO MALE ORFS BULKHEAD BRANCH TEE

WWF PART # 4725
SAE: 520959
Industry Standard: FS2703
Parker: WJLO
Tompkins: FF2703
Fittings Unlimited: Y-OFS-2703-F

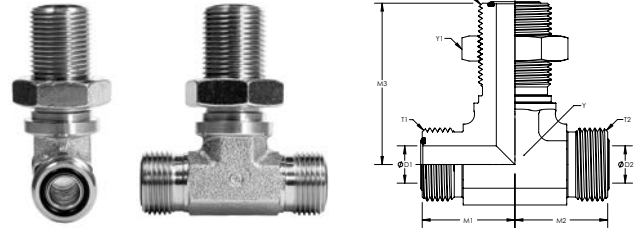


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4725X04X04X04	0.563	9/16-18	0.886	0.177	9/16-18	0.886	0.177	9/16-18	1.850	0.177
4725X06X06X06	0.669	11/16-16	1.024	0.256	11/16-16	1.024	0.256	11/16-16	2.047	0.256
4725X08X08X08	0.750	13/16-16	1.142	0.374	13/16-16	1.142	0.374	13/16-16	2.185	0.374
4725X10X10X10	1.063	1-14	1.358	0.492	1-14	1.358	0.492	1-14	2.480	0.492
4725X12X12X12	1.188	1-3/16-12	1.516	0.610	1-3/16-12	1.516	0.610	1-3/16-12	2.637	0.610
4725X16X16X16	1.438	1-7/16-12	1.673	0.807	1-7/16-12	1.673	0.807	1-7/16-12	2.795	0.807
4725X20X20X20	1.625	1-11/16-12	1.791	1.024	1-11/16-12	1.791	1.024	1-11/16-12	2.972	1.024
4725X24X24X24	1.875	2-12	1.949	1.260	2-12	1.949	1.260	2-12	3.130	1.260

TEES

MALE ORFS TO MALE ORFS TO MALE ORFS BULKHEAD BRANCH TEE - WITH LOCKNUT

WWF PART # 4725LN
SAE: 520959
Industry Standard: FS2703-LN
Parker: WJLO-WLN
Aeroquip: FF2033T
Tompkins: FF2703-LN
Fittings Unlimited: Y-OFS-2703-F-LN



PART #	Y HEX	Y1 HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4725X04X04X04LN	0.563	0.813	9/16-18	0.886	0.177	9/16-18	0.886	0.177	9/16-18	1.850	0.177
4725X06X06X06LN	0.669	1.000	11/16-16	1.024	0.256	11/16-16	1.024	0.256	11/16-16	2.047	0.256
4725X08X08X08LN	0.750	1.125	13/16-16	1.142	0.374	13/16-16	1.142	0.374	13/16-16	2.185	0.374
4725X10X10X10LN	1.063	1.313	1-14	1.358	0.492	1-14	1.358	0.492	1-14	2.480	0.492
4725X12X12X12LN	1.188	1.500	1-3/16-12	1.516	0.610	1-3/16-12	1.516	0.610	1-3/16-12	2.637	0.610
4725X16X16X16LN	1.438	1.750	1-7/16-12	1.673	0.807	1-7/16-12	1.673	0.807	1-7/16-12	2.795	0.807
4725X20X20X20LN	1.625	2.000	1-11/16-12	1.791	1.024	1-11/16-12	1.791	1.024	1-11/16-12	2.972	1.024
4725X24X24X24LN	1.875	2.375	2-12	1.949	1.260	2-12	1.949	1.260	2-12	3.130	1.260

MALE ORFS TO MALE ORFS BULKHEAD TO MALE ORFS RUN TEE

WWF PART # 4726
SAE: 520958
Industry Standard: FS2704
Parker: WJJLO
Tompkins: FF2704
Fittings Unlimited: Y-OFS-2704-F



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4726X04X04X04	0.563	9/16-18	0.886	0.177	9/16-18	1.850	0.177	9/16-18	0.886	0.177
4726X06X06X06	0.669	11/16-16	1.024	0.256	11/16-16	2.047	0.256	11/16-16	1.024	0.256
4726X08X08X08	0.750	13/16-16	1.142	0.374	13/16-16	2.185	0.374	13/16-16	1.142	0.374
4726X10X10X10	1.063	1-14	1.358	0.492	1-14	2.480	0.492	1-14	1.358	0.492
4726X12X12X12	1.188	1-3/16-12	1.516	0.610	1-3/16-12	2.637	0.610	1-3/16-12	1.516	0.610
4726X16X16X16	1.438	1-7/16-12	1.673	0.807	1-7/16-12	2.795	0.807	1-7/16-12	1.673	0.807
4726X20X20X20	1.625	1-11/16-12	1.791	1.024	1-11/16-12	2.972	1.024	1-11/16-12	1.791	1.024
4726X24X24X24	1.875	2-12	1.949	1.260	2-12	3.130	1.260	2-12	1.949	1.260

MALE ORFS TO MALE ORFS BULKHEAD TO MALE ORFS RUN TEE - WITH LOCKNUT

WWF PART # 4726LN

SAE: 520958

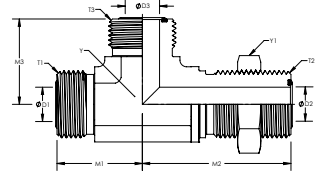
Industry Standard: FS2704-LN

Parker: WJJLO-WLN

Aeroquip: FF2174T

Tompkins: FF2704-LN

Fittings Unlimited: Y-OFS-2704-F-LN



PART #	Y HEX	Y1 HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4726X04X04X04LN	0.563	0.813	9/16-18	0.886	0.177	9/16-18	1.850	0.177	9/16-18	0.886	0.177
4726X06X06X06LN	0.669	1.000	11/16-16	1.024	0.256	11/16-16	2.047	0.256	11/16-16	1.024	0.256
4726X08X08X08LN	0.750	1.125	13/16-16	1.142	0.374	13/16-16	2.185	0.374	13/16-16	1.142	0.374
4726X10X10X10LN	1.063	1.313	1-14	1.358	0.492	1-14	2.480	0.492	1-14	1.358	0.492
4726X12X12X12LN	1.188	1.500	1-3/16-12	1.516	0.610	1-3/16-12	2.637	0.610	1-3/16-12	1.516	0.610
4726X16X16X16LN	1.438	1.750	1-7/16-12	1.673	0.807	1-7/16-12	2.795	0.807	1-7/16-12	1.673	0.807
4726X20X20X20LN	1.625	2.000	1-11/16-12	1.791	1.024	1-11/16-12	2.972	1.024	1-11/16-12	1.791	1.024
4726X24X24X24LN	1.875	2.375	2-12	1.949	1.260	2-12	3.130	1.260	2-12	1.949	1.260

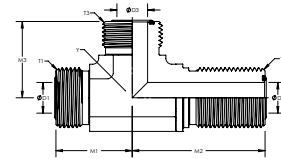
MALE ORFS TO MALE ORFS BULKHEAD TO MALE ORFS RUN TEE - METRIC HEX

WWF PART # 4726MH

SAE: 52M0958

Industry Standard: FS2704-MH

Parker: WJJMLO



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4726X06X06X06MH	0.669	11/16-16	1.024	0.256	11/16-16	2.047	0.256	11/16-16	1.024	0.256
4726X08X08X08MH	0.748	13/16-16	1.142	0.374	13/16-16	2.185	0.374	13/16-16	1.142	0.374
4726X10X10X10MH	0.945	1-14	1.358	0.492	1-14	2.480	0.492	1-14	1.358	0.492

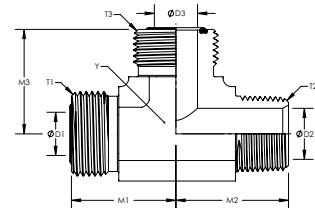
MALE ORFS TO MALE PIPE TO MALE ORFS RUN TEE

WWF PART # 4755

Industry Standard: FS2605

Tompkins: FF2605

Fittings Unlimited: Y-OFS-2605-F

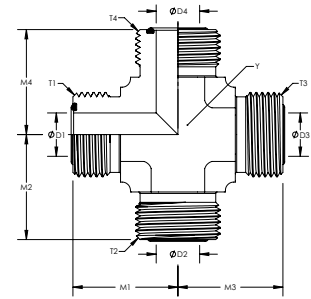


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
4755X04X04X04	0.563	9/16-18	0.846	0.177	1/4-18	1.090	0.281	9/16-18	0.846	0.177
4755X06X04X06	0.669	11/16-16	0.980	0.256	1/4-18	1.090	0.281	11/16-16	0.980	0.256
4755X06X06X06	0.750	11/16-16	0.980	0.256	3/8-18	1.220	0.406	11/16-16	0.980	0.256
4755X08X08X08	0.875	13/16-16	1.102	0.374	1/2-14	1.470	0.531	13/16-16	1.102	0.374

CROSSES

MALE ORFS TO MALE ORFS TO MALE ORFS TO MALE ORFS UNION CROSS

WWF PART # 4955
SAE: 520501
Industry Standard: FS2650
Parker: KLO
Tompkins: FF2650
Fittings Unlimited: Y-OFS-2650



PART #	Y HEX	T1 / T3	M1 / M3	D1 / D3	T2 / T4	M2 / M4	D2 / D4
4955X04X04X04X04	0.563	9/16-18	0.846	0.177	9/16-18	0.846	0.177
4955X06X06X06X06	0.669	11/16-16	0.984	0.256	11/16-16	0.984	0.256
4955X08X08X08X08	0.750	13/16-16	1.102	0.374	13/16-16	1.102	0.374
4955X10X10X10X10	1.063	1-14	1.319	0.492	1-14	1.319	0.492
4955X12X12X12X12	1.188	1-3/16-12	1.476	0.610	1-3/16-12	1.476	0.610
4955X16X16X16X16	1.438	1-7/16-12	1.634	0.807	1-7/16-12	1.634	0.807
4955X20X20X20X20	1.625	1-11/16-12	1.752	1.024	1-11/16-12	1.752	1.024
4955X24X24X24X24	1.875	2-12	1.929	1.260	2-12	1.929	1.260

**WORLD
WIDE**

FLARELESS FITTINGS

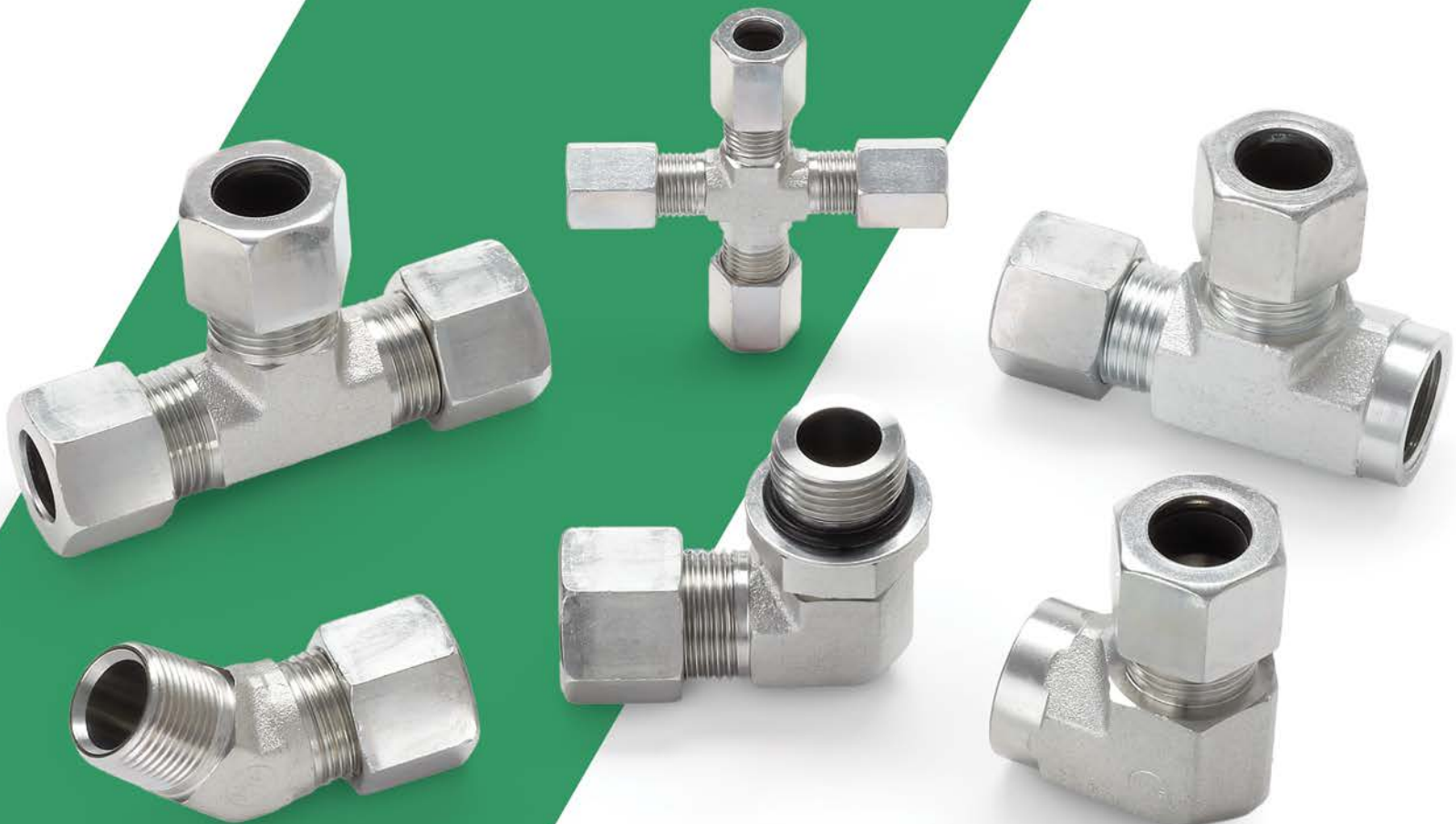


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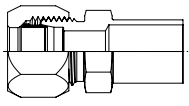
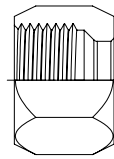
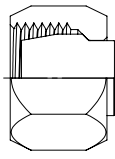
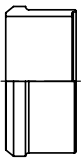
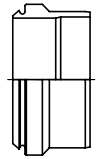
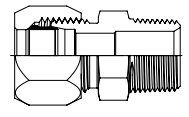
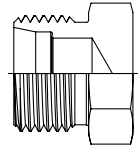
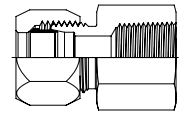
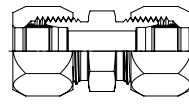
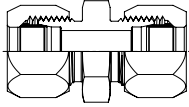
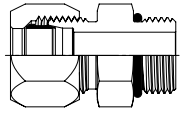
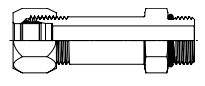
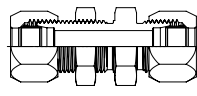
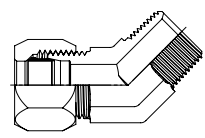
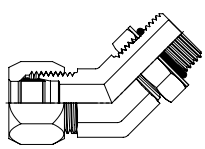
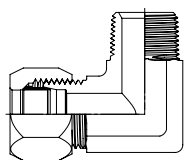
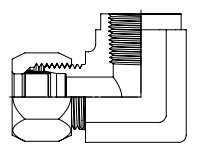
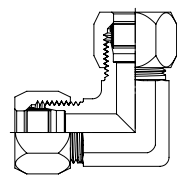
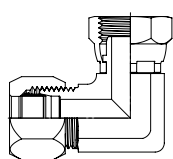
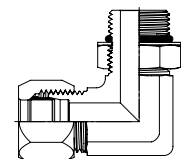
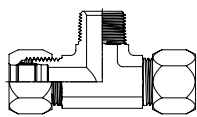
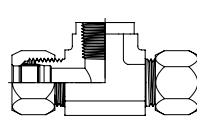
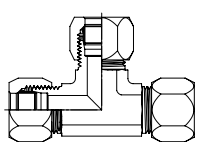
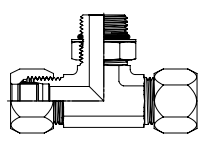
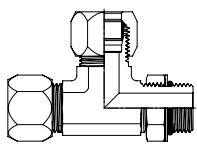
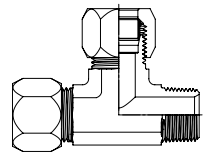
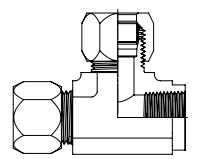
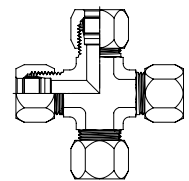
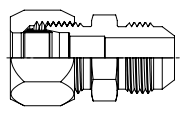
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or click on the [Flareless Fittings Index](#) to select a specific part.



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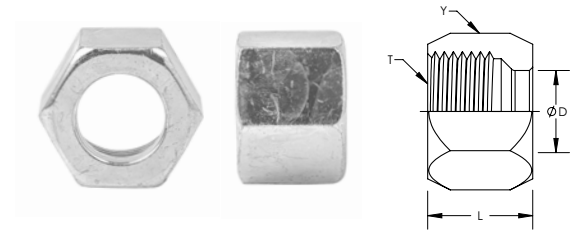
<p>7015</p>  <p>Tube End Reducer</p>	<p>7105T</p>  <p>Flareless Compression Nut</p>	<p>7129</p>  <p>Flareless Cap Assembly</p>	<p>7165</p>  <p>Style "B" Ferrule</p>	<p>7165A</p>  <p>Style "A" Ferrule</p>	<p>7205</p>  <p>Male Pipe Connector</p>
<p>7229</p>  <p>Flareless Plug</p>	<p>7255</p>  <p>Female Pipe Connector</p>	<p>7305</p>  <p>Flareless Union</p>	<p>7306</p>  <p>Large Hex Flareless Union</p>	<p>7315</p>  <p>Flareless Straight Thread ORB Connector</p>	<p>7316</p>  <p>Flareless Straight Thread Connector ORB Long</p>
<p>7325</p>  <p>Flareless Bulkhead Union</p>	<p>7355</p>  <p>45° Male Pipe Elbow</p>	<p>7365</p>  <p>45° Male Straight Thread ORB Elbow</p>	<p>7405</p>  <p>90° Male Pipe Elbow</p>	<p>7455</p>  <p>90° Female Pipe Elbow</p>	<p>7505</p>  <p>90° Flareless Union Elbow</p>
<p>7506</p>  <p>90° Flareless Swivel Nut Elbow</p>	<p>7515</p>  <p>90° Straight Thread ORB Elbow</p>	<p>7605</p>  <p>Male Pipe Branch Tee</p>	<p>7655</p>  <p>Female Pipe Branch Tee</p>	<p>7705</p>  <p>Flareless Union Tee</p>	<p>7715</p>  <p>Straight Thread ORB Branch Tee</p>
<p>7716</p>  <p>Straight Thread ORB Run Tee</p>	<p>7755</p>  <p>Male Pipe Run Tee</p>	<p>7805</p>  <p>Female Pipe Run Tee</p>	<p>7955</p>  <p>Flareless Union Cross</p>	<p>C2402</p>  <p>Male JIC to Flareless Union Adapter</p>	

NUTS & ACCESSORIES

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FLARELESS COMPRESSION NUT

WWF PART # 7105T
SAE: 080110
 Industry Standard: C0318
 Parker: BU
 Aeroquip: 210294
 Gates: FFN
 Gates Global: G60050
 Fittings Unlimited: Y-FL-0318



PART #	Y HEX	T	D	L
7105X02T	0.375	5/16-24	0.130	0.530
7105X03T	0.438	3/8-24	0.193	0.610
7105X04T	0.563	7/16-20	0.255	0.700
7105X05T	0.625	1/2-20	0.318	0.720
7105X06T	0.688	9/16-18	0.380	0.750
7105X08T	0.875	3/4-16	0.505	0.840
7105X10T	1.000	7/8-14	0.631	0.920
7105X12T	1.250	1-1/16-12	0.756	0.970
7105X14T	1.375	1-3/16-12	0.881	1.000
7105X16T	1.500	1-5/16-12	1.006	1.050
7105X20T	2.000	1-5/8-12	1.260	1.050
7105X24T	2.250	1-7/8-12	1.510	1.030
7105X32T	2.875	2-1/2-12	2.014	1.120

FLARELESS CAP ASSEMBLY

WWF PART # 7129
SAE: 080112
 Industry Standard: C0304-C
 Parker: FNU
 Fittings Unlimited: Y-FL-0304-C



PART #	Y HEX	T	L	L1
7129X04	0.563	7/16-20	0.700	0.720
7129X06	0.688	9/16-18	0.750	0.770
7129X08	0.875	3/4-16	0.840	0.930
7129X10	1.000	7/8-14	0.920	0.940
7129X12	1.250	1-1/16-12	0.970	0.930
7129X16	1.500	1-5/16-12	1.050	1.080
7129X20	2.000	1-5/8-12	1.050	1.190

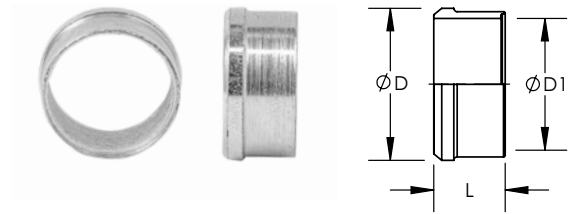
NUTS & ACCESSORIES

STYLE "B" FERRULE

WWF PART # 7165

Industry Standard: C0319

Fittings Unlimited: Y-FL-0319



PART #	D	D1	L
7165X02T	0.203	0.129	0.278
7165X03	0.313	0.190	0.278
7165X04	0.359	0.255	0.336
7165X05	0.422	0.318	0.336
7165X06	0.484	0.380	0.375
7165X08	0.625	0.506	0.375
7165X10	0.750	0.633	0.415
7165X12	0.875	0.758	0.415
7165X14	1.000	0.883	0.415
7165X16	1.125	1.008	0.415
7165X20	1.406	1.260	0.415
7165X24	1.656	1.511	0.415

STYLE "A" FERRULE

WWF PART # 7165A

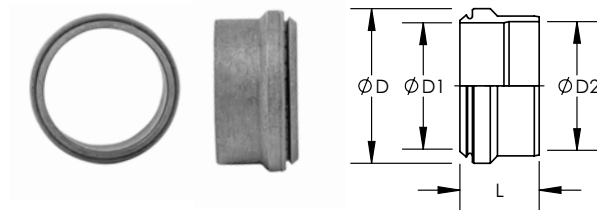
Industry Standard: C0319

Parker: TU

Aeroquip: FF9173

Gates Global: G60051

Fittings Unlimited: Y-FL-0319



PART #	D	D1	D2	L
7165AX03	0.307	0.193	0.205	0.329
7165AX04	0.367	0.255	0.268	0.363
7165AX05	0.430	0.318	0.330	0.367
7165AX06	0.492	0.380	0.393	0.393
7165AX08	0.663	0.505	0.521	0.429
7165AX10	0.780	0.631	0.647	0.442
7165AX12	0.925	0.756	0.772	0.475
7165AX14	1.063	0.881	0.897	0.475
7165AX16	1.188	1.006	1.022	0.475
7165AX20	1.446	1.260	1.275	0.475
7165AX24	1.694	1.510	1.524	0.475
7165AX32	2.210	2.014	2.026	0.509

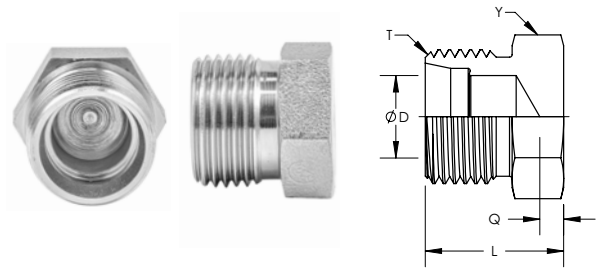
NUTS & ACCESSORIES

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FLARELESS PLUG

WWF PART # 7229
SAE: 080109

Industry Standard: C2408
Parker: PNU
Fittings Unlimited: Y-FL-2408



PART #	Y HEX	T	Q	D	L
7229X02	0.438	5/16-24	0.110	0.094	0.630
7229X04	0.500	7/16-20	0.110	0.203	0.710
7229X05	0.563	1/2-20	0.120	0.234	0.710
7229X06	0.625	9/16-18	0.120	0.281	0.750
7229X08	0.813	3/4-16	0.160	0.422	0.850
7229X10	0.938	7/8-14	0.160	0.500	0.970
7229X12	1.125	1-1/16-12	0.190	0.656	1.100
7229X16	1.375	1-5/16-12	0.190	0.875	1.100

STRAIGHTS

TUBE END REDUCER

WWF PART # 7015
SAE: 080123

Industry Standard: C2406
Parker: TRBU
Aeroquip: 7015
Fittings Unlimited: Y-FL-2406

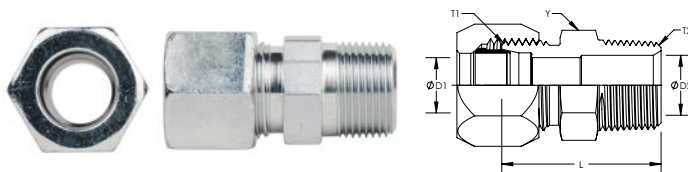


PART #	Y HEX	T	D1	D2	L
7015X06X04	0.500	7/16-20	0.203	0.250	1.610
7015X08X04	0.563	7/16-20	0.203	0.375	1.730
7015X08X06	0.625	9/16-18	0.281	0.375	1.770
7015X10X08	0.813	3/4-16	0.422	0.500	1.960
7015X12X06	0.813	9/16-18	0.281	0.625	1.930
7015X12X08	0.813	3/4-16	0.422	0.625	2.030
7015X16X12	1.125	1-1/16-12	0.656	0.844	2.240
7015X20X16	1.375	1-5/16-12	0.875	1.031	2.280

STRAIGHTS

MALE PIPE CONNECTOR

WWF PART # 7205
SAE: 080102
Industry Standard: C2404
Parker: FBU
Aeroquip: 7205
Fittings Unlimited: Y-FL-2404

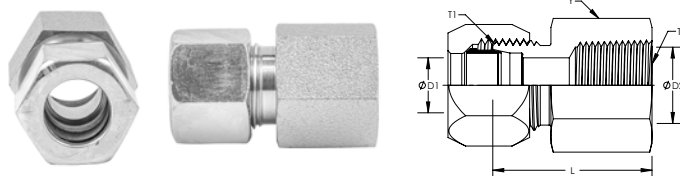


PART #	Y HEX	T1	D1	T2	D2	L
7205X02X02	0.438	5/16-24	0.094	1/8-27	0.188	1.040
7205X02X04	0.563	5/16-24	0.094	1/4-18	0.281	1.240
7205X03X02	0.438	3/8-24	0.125	1/8-27	0.188	1.090
7205X03X04	0.563	3/8-24	0.125	1/4-18	0.281	1.290
7205X04X02	0.500	7/16-20	0.203	1/8-27	0.188	1.120
7205X04X04	0.563	7/16-20	0.203	1/4-18	0.281	1.320
7205X04X06	0.750	7/16-20	0.203	3/8-18	0.406	1.330
7205X04X08	0.875	7/16-20	0.203	1/2-14	0.531	1.580
7205X05X02	0.563	1/2-20	0.234	1/8-27	0.188	1.120
7205X05X04	0.563	1/2-20	0.234	1/4-18	0.281	1.320
7205X06X02	0.625	9/16-18	0.281	1/8-27	0.188	1.150
7205X06X04	0.625	9/16-18	0.281	1/4-18	0.281	1.340
7205X06X06	0.750	9/16-18	0.281	3/8-18	0.406	1.350
7205X06X08	0.875	9/16-18	0.281	1/2-14	0.531	1.600
7205X08X04	0.813	3/4-16	0.422	1/4-18	0.281	1.440
7205X08X06	0.813	3/4-16	0.422	3/8-18	0.406	1.440
7205X08X08	0.875	3/4-16	0.422	1/2-14	0.531	1.690
7205X08X12	1.125	3/4-16	0.422	3/4-14	0.719	1.760
7205X10X06	0.938	7/8-14	0.500	3/8-18	0.406	1.560
7205X10X08	0.938	7/8-14	0.500	1/2-14	0.531	1.750
7205X12X08	1.125	1-1/16-12	0.656	1/2-14	0.531	1.880
7205X12X12	1.125	1-1/16-12	0.656	3/4-14	0.719	1.880
7205X14X12	1.250	1-3/16-12	0.719	3/4-14	0.719	1.880
7205X16X12	1.375	1.5/16-12	0.875	3/4-14	0.719	1.880
7205X16X16	1.375	1.5/16-12	0.875	1-11-1/2	0.938	2.070
7205X20X20	1.688	1-5/8-12	1.094	1-1/4-11-1/2	1.250	2.180
7205X24X24	2.000	1-7/8-12	1.344	1-1/2-11-1/2	1.500	2.280
7205X32X32	2.625	2-1/2-12	1.813	2-11-1/2	1.938	2.460

STRAIGHTS

FEMALE PIPE CONNECTOR

WWF PART # 7255
SAE: 080103
Industry Standard: C2405
Parker: GBU
Fittings Unlimited: Y-FL-2405

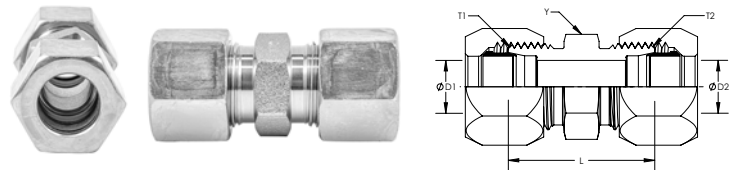


PART #	Y HEX	T1	D1	T2	D2	L
7255X02X02	0.563	5/16-24	0.094	1/8-27	0.332	1.050
7255X02X04	0.750	5/16-25	0.094	1/4-18	0.438	1.210
7255X03X02	0.563	3/8-24	0.125	1/8-27	0.332	1.080
7255X04X02	0.563	7/16-20	0.203	1/8-27	0.332	1.090
7255X04X04	0.750	7/16-20	0.203	1/4-18	0.438	1.290
7255X05X02	0.563	1/2-20	0.234	1/8-27	0.332	1.080
7255X05X04	0.750	1/2-20	0.234	1/4-18	0.438	1.290
7255X06X04	0.750	9/16-18	0.281	1/4-18	0.438	1.310
7255X06X06	0.875	9/16-18	0.281	3/8-18	0.563	1.380
7255X06X08	1.125	9/16-18	0.281	1/2-14	0.703	1.610
7255X08X04	0.875	3/4-16	0.422	1/4-18	0.438	1.460
7255X08X06	0.875	3/4-16	0.422	3/8-18	0.563	1.470
7255X08X08	1.125	3/4-16	0.422	1/2-14	0.703	1.700
7255X10X08	1.125	7/8-14	0.500	1/2-14	0.703	1.760
7255X12X12	1.375	1-1/16-12	0.656	3/4-14	0.906	1.890
7255X14X12	1.375	1-3/16-12	0.719	3/4-14	0.906	1.860
7255X16X12	1.625	1-5/16-12	0.875	3/4-14	0.906	1.900
7255X16X16	1.625	1-5/16-12	0.875	1-11-1/2	1.141	2.130
7255X20X20	2.000	1-5/8-12	1.094	1-1/4-11-1/2	1.484	2.220

STRAIGHTS

FLARELESS UNION

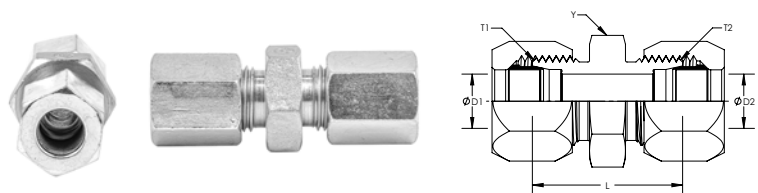
WWF PART # 7305
SAE: 080101
 Industry Standard: C2403
 Parker: HBU
 Fittings Unlimited: Y-FL-2403



PART #	Y HEX	T1	D1	T2	D2	L
7305X02X02	0.438	5/16-24	0.094	5/16-24	0.094	1.020
7305X03X03	0.438	3/8-24	0.125	3/8-24	0.125	1.110
7305X04X04	0.500	7/16-20	0.203	7/16-20	0.203	1.180
7305X05X05	0.563	1/2-20	0.234	1/2-20	0.234	1.180
7305X06X04	0.625	9/16-18	0.281	7/16-20	0.203	1.220
7305X06X06	0.625	9/16-18	0.281	9/16-18	0.281	1.240
7305X08X06	0.813	3/4-16	0.422	9/16-18	0.281	1.330
7305X08X08	0.813	3/4-16	0.422	3/4-16	0.422	1.420
7305X10X10	0.938	7/8-14	0.500	7/8-14	0.500	1.610
7305X12X12	1.125	1-1/16-12	0.656	1-1/16-12	0.656	1.810
7305X14X14	1.250	1-3/16-12	0.719	1-3/16-12	0.719	1.810
7305X16X16	1.375	1-5/16-12	0.875	1-5/16-12	0.875	1.810
7305X20X20	1.688	1-5/8-12	1.094	1-5/8-12	1.094	1.890
7305X24X24	2.000	1-7/8-12	1.344	1-7/8-12	1.344	1.960
7305X32X32	2.625	2-1/2-12	1.813	2-1/2-12	1.813	2.110

LARGE HEX FLARELESS UNION

WWF PART # 7306
SAE: 080119
 Industry Standard: C2403-LH
 Parker: LHBU
 Aeroquip: 7306
 Fittings Unlimited: Y-FL-2403-LH

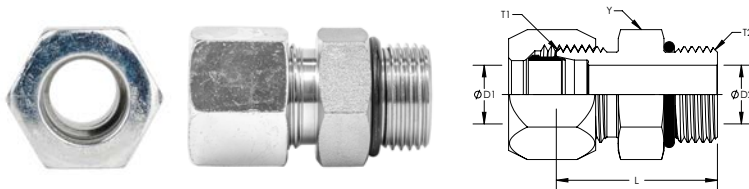


PART #	Y HEX	T1	D1	T2	D2	L
7305X02X02	0.438	5/16-24	0.094	5/16-24	0.094	1.020
7305X03X03	0.438	3/8-24	0.125	3/8-24	0.125	1.110
7305X04X04	0.500	7/16-20	0.203	7/16-20	0.203	1.180
7305X05X05	0.563	1/2-20	0.234	1/2-20	0.234	1.180
7305X06X04	0.625	9/16-18	0.281	7/16-20	0.203	1.220

STRAIGHTS

FLARELESS STRAIGHT THREAD ORB CONNECTOR

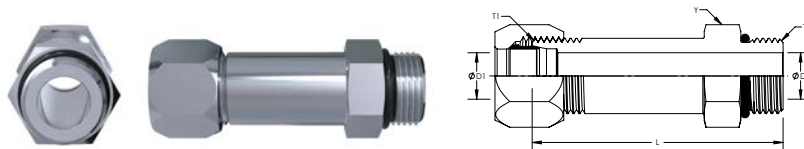
WWF PART # 7315
SAE: 080120
Industry Standard: C6400
Parker: F5BU
Aeroquip: 7315
Fittings Unlimited: Y-FL-6400-O



PART #	Y HEX	T1	D1	T2	D2	L
7315X03X03	0.500	3/8-24	0.125	3/8-24	0.125	1.040
7315X04X04	0.563	7/16-20	0.203	7/16-20	0.203	1.130
7315X04X05	0.625	7/16-20	0.203	1/2-20	0.234	1.130
7315X04X06	0.688	7/16-20	0.203	9/16-18	0.281	1.190
7315X05X05	0.625	1/2-20	0.234	1/2-20	0.234	1.130
7315X06X06	0.688	9/16-18	0.281	9/16-18	0.281	1.210
7315X06X08	0.875	9/16-18	0.281	3/4-16	0.422	1.290
7315X08X06	0.813	3/4-16	0.422	9/16-18	0.281	1.340
7315X08X08	0.875	3/4-16	0.422	3/4-16	0.422	1.380
7315X08X10	1.000	3/4-16	0.422	7/8-14	0.500	1.510
7315X08X12	1.250	3/4-16	0.422	1-1/16-12	0.656	1.760
7315X10X08	1.000	7/8-14	0.500	3/4-16	0.422	1.510
7315X10X10	1.000	7/8-14	0.500	7/8-14	0.500	1.570
7315X12X06	1.250	1-1/16-12	0.656	9/16-18	0.281	1.680
7315X12X10	1.250	1-1/16-12	0.656	7/8-14	0.500	1.700
7315X12X12	1.250	1-1/16-12	0.656	1-1/16-12	0.656	1.790
7315X12X16	1.500	1-1/16-12	0.656	1-5/16-12	0.875	1.820
7315X14X14	1.375	1-3/16-12	0.719	1-3/16-12	0.719	1.790
7315X16X12	1.500	1-5/16-12	0.875	1-1/16-12	0.656	1.820
7315X16X16	1.500	1-5/16-12	0.875	1-5/16-12	0.875	1.820
7315X20X20	1.875	1-5/8-12	1.094	1-5/8-12	1.094	1.900
7315X24X24	2.125	1-7/8-12	1.344	1-7/8-12	1.344	1.970
7315X32X32	2.750	2-1/2-12	1.813	2-1/2-12	1.813	2.130

FLARELESS STRAIGHT THREAD CONNECTOR ORB LONG

WWF PART # 7316
SAE: 081720
Industry Standard: C6400-L

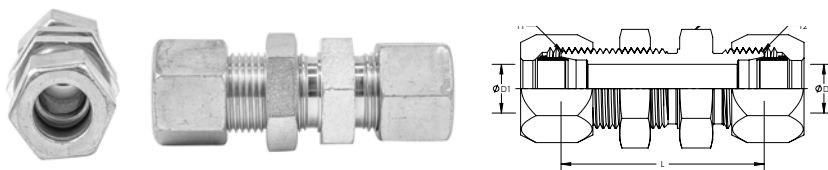


PART #	Y HEX	T1	D1	T2	D2	L
7316X04X04	0.563	7/16-20	0.203	7/16-20	0.203	2.020
7316X06X06	0.688	9/16-18	0.281	9/16-18	0.281	2.230
7316X08X08	0.875	3/4-16	0.422	3/4-16	0.422	2.620
7316X10X10	1.000	7/8-14	0.500	7/8-14	0.500	2.980

STRAIGHTS

FLARELESS BULKHEAD UNION

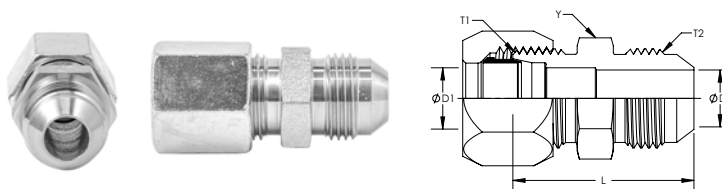
WWF PART # 7325
SAE: 080601
 Industry Standard: C2700
 Parker: WBU
 Aeroquip: 7325
 Fittings Unlimited: Y-FL-2700-LN



PART #	Y HEX	T1	D1	T2	D2	L
7325X03X03	0.625	3/8-24	0.125	3/8-24	0.125	1.800
7325X04X04	0.688	7/16-20	0.203	7/16-20	0.203	1.890
7325X06X06	0.813	9/16-18	0.281	9/16-18	0.281	1.980
7325X08X08	1.000	3/4-16	0.422	3/4-16	0.422	2.220
7325X10X10	1.125	7/8-14	0.500	7/8-14	0.500	2.480
7325X12X12	1.375	1-1/16-12	0.656	1-1/16-12	0.656	2.720
7325X16X16	1.625	1-5/16-12	0.875	1-5/16-12	0.875	2.720

MALE JIC TO FLARELESS UNION ADAPTER

WWF PART # C2402
 Industry Standard: C2402
 Parker: XHBU
 Fittings Unlimited: Y-FL-2000

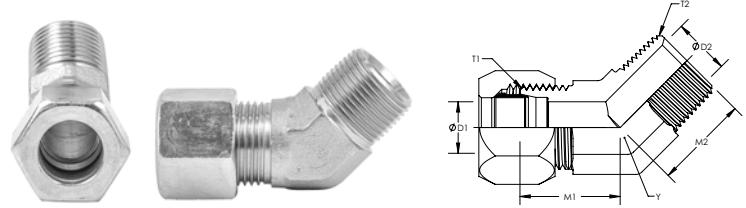


PART #	Y HEX	T1	D1	T2	D2	L
C2402X04X04	0.500	7/16-20	0.203	7/16-20	0.172	1.230
C2402X06X06	0.625	9/16-18	0.281	9/16-18	0.297	1.280
C2402X08X08	0.813	3/4-16	0.422	3/4-16	0.391	1.470
C2402X16X16	1.375	1-5/16-12	0.874	1-5/16-12	0.843	2.039

ELBOWS

45° MALE PIPE ELBOW

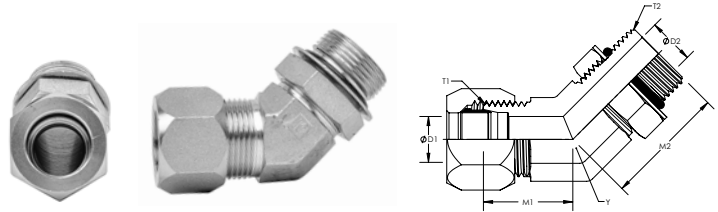
WWF PART # 7355
SAE: 080302
Industry Standard: C2503
Parker: VBU
Aeroquip: 7355
Fittings Unlimited: Y-FL-2503



PART #	Y HEX	T1	M1	D1	T2	M2	D2
7355X04X02	0.438	7/16-20	0.700	0.203	1/8-27	0.640	0.188
7355X04X04	0.563	7/16-20	0.810	0.203	1/4-18	0.860	0.281
7355X05X02	0.563	1/2-20	0.750	0.234	1/8-27	0.640	0.188
7355X06X04	0.563	9/16-18	0.830	0.281	1/4-18	0.860	0.281
7355X08X06	0.750	3/4-16	0.980	0.422	3/8-18	0.950	0.406
7355X08X08	0.875	3/4-16	1.010	0.422	1/2-14	1.170	0.531
7355X08X16	1.313	3/4-16	1.210	0.422	1-11-1/2	1.480	0.938
7355X10X08	0.875	7/8-14	1.080	0.500	1/2-14	1.170	0.531
7355X12X12	1.063	1-1/16-12	1.270	0.656	3/4-14	1.200	0.719
7355X16X16	1.313	1-5/16-12	1.360	0.875	1-11-1/2	1.480	0.938

45° MALE STRAIGHT THREAD ORB ELBOW

WWF PART # 7365
SAE: 080320
Industry Standard: C6802
Parker: V5BU
Fittings Unlimited: Y-FL-6802-NWO

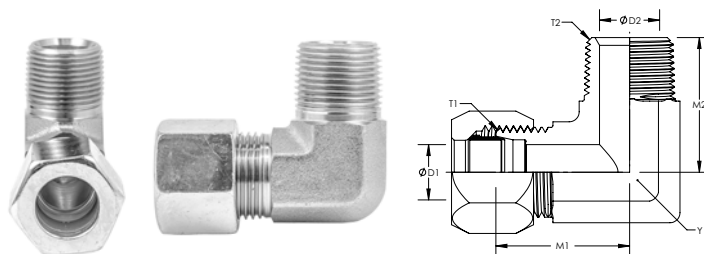


PART #	Y HEX	T1	M1	D1	T2	M2	D2
7365X08X08	0.750	3/4-16	0.980	0.422	3/4-16	1.300	0.422
7365X12X12	1.063	1-1/16-12	1.270	0.656	1-1/16-12	1.730	0.656
7365X16X16	1.313	1-5/16-12	1.360	0.875	1-5/16-12	1.860	0.875
7365X20X20	1.625	1-5/8-12	1.450	1.094	1-5/8-12	1.910	1.094

ELBOWS

90° MALE PIPE ELBOW

WWF PART # 7405
SAE: 080202
Industry Standard: C2501
Parker: CBU
Aeroquip: 7405
Fittings Unlimited: Y-FL-2501

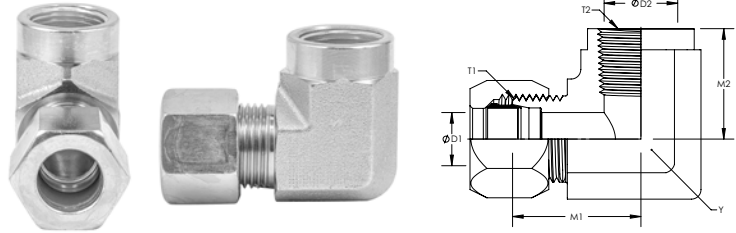


PART #	Y HEX	T1	M1	D1	T2	M2	D2
7405X02X02	0.438	5/16-24	0.770	0.094	1/8-27	0.720	0.188
7405X02X04	0.563	5/16-24	0.950	0.094	1/4-18	1.090	0.281
7405X03X02	0.438	3/8-24	0.830	0.125	1/8-27	0.720	0.188
7405X04X02	0.438	7/16-20	0.890	0.203	1/8-27	0.780	0.188
7405X04X04	0.563	7/16-20	1.030	0.203	1/4-18	1.090	0.281
7405X05X02	0.563	1/2-20	0.950	0.234	1/8-27	0.810	0.188
7405X05X04	0.563	1/2-20	1.030	0.234	1/4-18	1.090	0.281
7405X06X02	0.563	9/16-18	1.050	0.281	1/8-27	0.900	0.188
7405X06X04	0.563	9/16-18	1.050	0.281	1/4-18	1.090	0.281
7405X06X06	0.750	9/16-18	1.140	0.281	3/8-18	1.220	0.406
7405X06X08	0.875	9/16-18	1.240	0.281	1/2-14	1.470	0.531
7405X08X04	0.750	3/4-16	1.250	0.422	1/4-18	1.220	0.281
7405X08X06	0.750	3/4-16	1.250	0.422	3/8-18	1.220	0.406
7405X08X08	0.875	3/4-16	1.350	0.422	1/2-14	1.470	0.531
7405X08X12	1.063	3/4-16	1.430	0.422	3/4-14	1.590	0.719
7405X10X06	0.875	7/8-14	1.420	0.500	3/8-18	1.280	0.406
7405X10X08	0.875	7/8-14	1.420	0.500	1/2-14	1.470	0.531
7405X12X08	1.063	1-1/16-12	1.580	0.656	1/2-14	1.590	0.531
7405X12X12	1.063	1-1/16-12	1.580	0.656	3/4-14	1.590	0.719
7405X14X12	1.313	1-3/16-12	1.660	0.719	3/4-14	1.690	0.719
7405X16X12	1.313	1-5/16-12	1.730	0.875	3/4-14	1.780	0.719
7405X16X16	1.313	1-5/16-12	1.730	0.875	1-11-1/2	1.970	0.938
7405X20X20	1.625	1-5/8-12	1.890	1.094	1-1/4-11-1/2	2.380	1.250
7405X24X24	1.875	1-7/8-12	2.020	1.344	1-1/2-11-1/2	2.640	1.500
7405X32X32	2.500	2-1/2-12	2.450	1.813	2-11-1/2	3.000	1.938

ELBOWS

90° FEMALE PIPE ELBOW

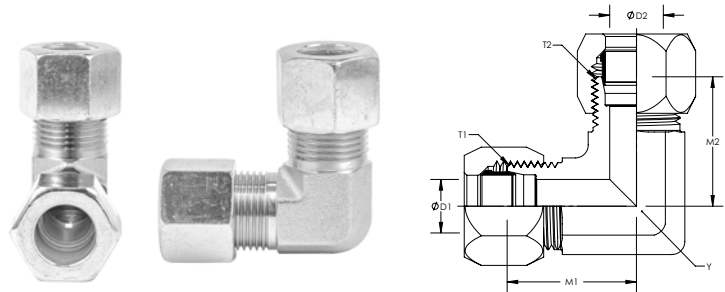
WWF PART # 7455
SAE: 080203
 Industry Standard: C2502
 Parker: DBU
 Aeroquip: 7455
 Fittings Unlimited: Y-FL-2502



PART #	Y HEX	T1	M1	D1	T2	M2	D2
7455X04X02	0.563	7/16-20	0.890	0.203	1/8-27	0.660	0.332
7455X04X04	0.750	7/16-20	1.030	0.203	1/4-18	0.880	0.438
7455X06X04	0.750	9/16-18	1.050	0.281	1/4-18	0.880	0.438
7455X06X06	0.875	9/16-18	1.120	0.281	3/8-18	1.020	0.563
7455X08X04	0.875	3/4-16	1.230	0.422	1/4-18	1.010	0.438
7455X08X06	0.875	3/4-16	1.230	0.422	3/8-18	1.020	0.563
7455X08X08	1.063	3/4-16	1.350	0.422	1/2-14	1.230	0.703
7455X10X08	1.063	7/8-14	1.420	0.500	1/2-14	1.230	0.703
7455X12X12	1.313	1-1/16-12	1.580	0.656	3/4-14	1.360	0.906
7455X14X12	1.313	1-3/16-12	1.620	0.719	3/4-14	1.420	0.906
7455X16X16	1.625	1-5/16-12	1.730	0.875	1-11-1/2	1.620	1.141
7455X24X24	2.562	1-7/8-12	2.580	1.344	1-1/2-11-1/2	2.080	1.744

90° FLARELESS UNION ELBOW

WWF PART # 7505
SAE: 080201
 Industry Standard: C2500
 Parker: EBU
 Aeroquip: 7505
 Fittings Unlimited: Y-FL-2500

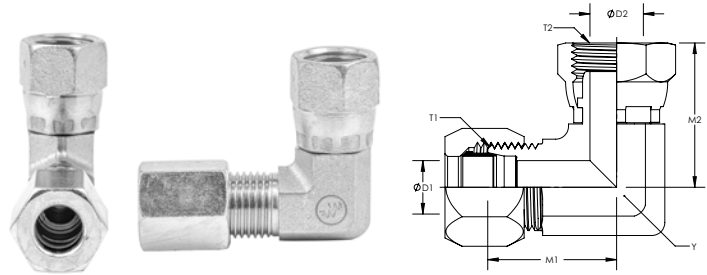


PART #	Y HEX	T1	M1	D1	T2	M2	D2
7505X04X04	0.438	7/16-20	0.890	0.203	7/16-20	0.890	0.203
7505X05X05	0.563	1/2-20	0.950	0.234	1/2-20	0.950	0.234
7505X06X06	0.563	9/16-18	1.050	0.281	9/16-18	1.050	0.281
7505X08X08	0.750	3/4-16	1.250	0.422	3/4-16	1.250	0.422
7505X10X10	0.875	7/8-14	1.420	0.500	7/8-14	1.420	0.500
7505X12X12	1.063	1-1/16-12	1.580	0.656	1-1/16-12	1.580	0.656
7505X14X14	1.313	1-3/16-12	1.660	0.719	1-3/16-12	1.660	0.719
7505X16X16	1.313	1-5/16-12	1.730	0.875	1-5/16-12	1.730	0.875
7505X20X20	1.625	1-5/8-12	1.890	1.094	1-5/8-12	1.890	1.094
7505X24X24	1.875	1-7/8-12	2.020	1.344	1-7/8-12	2.020	1.344

ELBOWS

90° FLARELESS SWIVEL NUT ELBOW

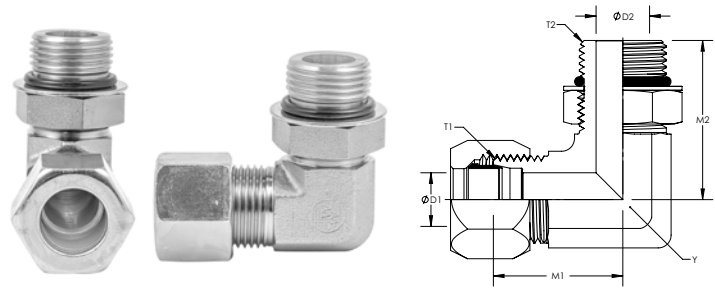
WWF PART # 7506
SAE: 080221
Industry Standard: C6500
Parker: C6BU
Fittings Unlimited: Y-FL-6500



PART #	Y HEX	T1	M1	D1	T2	M2	D2
7506X04X04	0.438	7/16-20	0.890	0.203	7/16-20	1.050	0.203
7506X06X06	0.563	9/16-18	1.050	0.281	9/16-18	1.280	0.281
7506X08X08	0.750	3/4-16	1.250	0.422	3/4-16	1.470	0.422

90° STRAIGHT THREAD ORB ELBOW

WWF PART # 7515
SAE: 080220
Industry Standard: C6801
Parker: C5BU
Aeroquip: 7515
Fittings Unlimited: Y-FL-6801-NWO

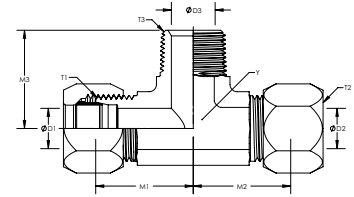
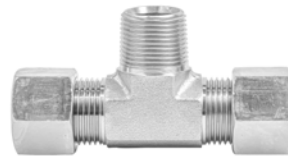


PART #	Y HEX	T1	M1	D1	T2	M2	D2
7515X02X02	0.438	5/16-24	0.770	0.094	5/16-24	0.910	0.094
7515X04X04	0.438	7/16-20	0.890	0.203	7/16-20	1.030	0.203
7515X04X06	0.563	7/16-20	1.030	0.203	9/16-18	1.250	0.281
7515X05X05	0.563	1/2-20	0.950	0.234	1/2-20	1.130	0.234
7515X06X05	0.563	9/16-18	1.050	0.281	1/2-20	1.190	0.234
7515X06X06	0.563	9/16-18	1.050	0.281	9/16-18	1.250	0.281
7515X06X08	0.750	9/16-18	1.140	0.281	3/4-16	1.450	0.422
7515X06X10	0.875	9/16-18	1.240	0.281	7/8-14	1.700	0.500
7515X08X06	0.750	3/4-16	1.250	0.422	9/16-18	1.320	0.281
7515X08X08	0.750	3/4-16	1.250	0.422	3/4-16	1.450	0.422
7515X08X10	0.875	3/4-16	1.350	0.422	7/8-14	1.700	0.500
7515X08X12	1.063	3/4-16	1.430	0.422	1-1/16-12	1.940	0.656
7515X10X10	0.875	7/8-14	1.420	0.500	7/8-14	1.700	0.500
7515X10X12	1.063	7/8-14	1.500	0.500	1-1/16-12	1.940	0.656
7515X12X08	1.063	1-1/16-12	1.580	0.656	3/4-16	1.620	0.422
7515X12X12	1.063	1-1/16-12	1.580	0.656	1-1/16-12	1.940	0.656
7515X16X16	1.313	1-5/16-12	1.730	0.875	1-5/16-12	2.050	0.875
7515X20X20	1.625	1-5/8-12	1.890	1.094	1-5/8-12	2.250	1.094
7515X24X24	1.875	1-7/8-12	2.020	1.344	1-7/8-12	2.390	1.344

TEES

MALE PIPE BRANCH TEE

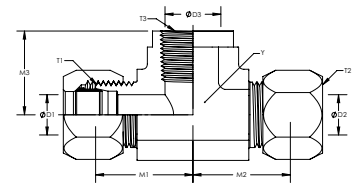
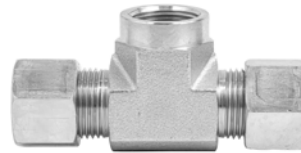
WWF PART # 7605
SAE: 080425
Industry Standard: C2601
Parker: SBU
Aeroquip: 7605
Fittings Unlimited: Y-FL-2601



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
7605X04X04X02	0.438	7/16-20	0.890	0.203	7/16-20	0.890	0.203	1/8-27	0.780	0.188
7605X04X04X04	0.563	7/16-20	1.030	0.203	7/16-20	1.030	0.203	1/4-18	1.090	0.281
7605X05X05X02	0.563	1/2-20	0.950	0.234	1/2-20	0.950	0.234	1/8-27	0.810	0.188
7605X06X06X04	0.563	9/16-18	1.050	0.281	9/16-18	1.050	0.281	1/4-18	1.090	0.281
7605X08X08X06	0.750	3/4-16	1.250	0.422	3/4-16	1.250	0.422	3/8-18	1.220	0.406
7605X08X08X08	0.875	3/4-16	1.350	0.422	3/4-16	1.350	0.422	1/2-14	1.470	0.531
7605X10X10X08	0.875	7/8-14	1.420	0.500	7/8-14	1.420	0.500	1/2-14	1.470	0.531
7605X12X12X12	1.063	1-1/16-12	1.580	0.656	1-1/16-12	1.580	0.656	3/4-14	1.590	0.719
7605X14X14X12	1.313	1-3/16-12	1.660	0.719	1-3/16-12	1.660	0.719	3/4-14	1.690	0.719
7605X16X16X16	1.313	1-5/16-12	1.730	0.875	1-5/16-12	1.730	0.875	1-11-1/2	1.970	0.938

FEMALE PIPE BRANCH TEE

WWF PART # 7655
SAE: 080427
Industry Standard: C2602
Parker: OBU
Aeroquip: 7655
Gfittings Unlimited: Y-FL-2602

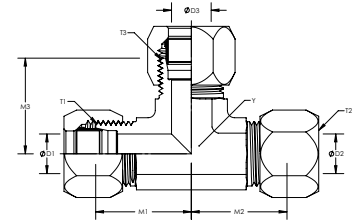
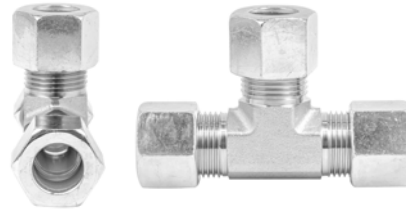


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
7655X04X04X02	0.563	7/16-20	0.890	0.203	7/16-20	0.890	0.203	1/8-27	0.660	0.322
7655X04X04X04	0.750	7/16-20	1.030	0.203	7/16-20	1.030	0.203	1/4-18	0.880	0.438
7655X06X06X04	0.750	9/16-18	1.050	0.281	9/16-18	1.050	0.281	1/4-18	0.880	0.438
7655X06X06X06	0.875	9/16-18	1.140	0.281	9/16-18	1.140	0.281	3/8-18	1.020	0.563
7655X08X08X06	0.875	3/4-16	1.230	0.422	3/4-16	1.230	0.422	3/8-18	1.020	0.563
7655X08X08X08	1.063	3/4-16	1.350	0.422	3/4-16	1.350	0.422	1/2-14	1.230	0.703
7655X10X10X08	1.063	7/8-14	1.420	0.500	7/8-14	1.420	0.500	1/2-14	1.230	0.703
7655X12X12X12	1.313	1-1/16-12	1.580	0.656	1-1/16-12	1.580	0.656	3/4-14	1.360	0.906
7655X16X16X16	1.625	1-5/16-12	1.730	0.875	1-5/16-12	1.730	0.875	1-11-1/2	1.620	1.141
7655X20X20X20	1.875	1-5/8-12	2.080	1.094	1-5/8-12	2.080	1.094	1-1/4-11-1/2	1.700	1.484

TEES

FLARELESS UNION TEE

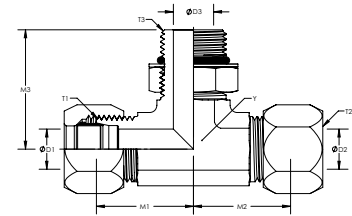
WWF PART # 7705
SAE: 080401
Industry Standard: C2603
Parker: JBU
Aeroquip: 7705
Fittings Unlimited: Y-FL-2603



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
7705X02X02X02	0.438	5/16-24	0.770	0.094	5/16-24	0.770	0.094	5/16-24	0.770	0.094
7705X03X03X03	0.438	3/8-24	0.830	0.125	3/8-24	0.830	0.125	3/8-24	0.830	0.125
7705X04X04X04	0.438	7/16-20	0.890	0.203	7/16-20	0.890	0.203	7/16-20	0.890	0.203
7705X05X05X05	0.563	1/2-20	0.950	0.234	1/2-20	0.950	0.234	1/2-20	0.950	0.234
7705X06X06X06	0.563	9/16-18	1.050	0.281	9/16-18	1.050	0.281	9/16-18	1.050	0.281
7705X08X08X06	0.750	3/4-16	1.250	0.422	3/4-16	1.250	0.422	9/16-18	1.140	0.281
7705X08X08X08	0.750	3/4-16	1.250	0.422	3/4-16	1.250	0.422	3/4-16	1.250	0.422
7705X10X10X08	0.875	7/8-14	1.420	0.500	7/8-14	1.420	0.500	3/4-16	1.350	0.422
7705X10X10X10	0.875	7/8-14	1.420	0.500	7/8-14	1.420	0.500	7/8-14	1.420	0.500
7705X12X12X12	1.063	1-1/16-12	1.580	0.656	1-1/16-12	1.580	0.656	1-1/16-12	1.580	0.656
7705X14X14X14	1.313	1-3/16-12	1.660	0.719	1-3/16-12	1.660	0.719	1-3/16-12	1.660	0.719
7705X16X16X16	1.313	1-5/16-12	1.730	0.875	1-5/16-12	1.730	0.875	1-5/16-12	1.730	0.875
7705X20X20X20	1.625	1-5/8-12	1.890	1.094	1-5/8-12	1.890	1.094	1-5/8-12	1.890	1.094
7705X24X24X24	1.875	1-7/8-12	2.020	1.344	1-7/8-12	2.020	1.344	1-7/8-12	2.020	1.344
7705X32X32X32	2.500	2-1/2-12	2.450	1.813	2-1/2-12	2.450	1.813	2-1/2-12	2.450	1.813

STRAIGHT THREAD ORB BRANCH TEE

WWF PART # 7715
SAE: 080429
Industry Standard: C6803
Parker: S5BU
Aeroquip: 7715
Fittings Unlimited: Y-FL-6803

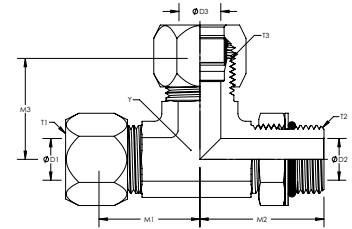
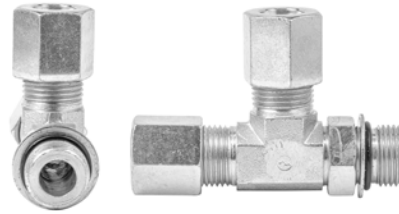


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
7715X04X04X04	0.438	7/16-20	0.890	0.203	7/16-20	0.890	0.203	7/16-20	1.030	0.203
7715X06X06X06	0.563	9/16-18	1.050	0.281	9/16-18	1.050	0.281	9/16-18	1.250	0.281
7715X08X08X08	0.750	3/4-16	1.250	0.422	3/4-16	1.250	0.422	3/4-16	1.450	0.422

TEES

STRAIGHT THREAD ORB RUN TEE

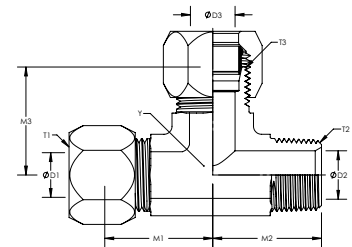
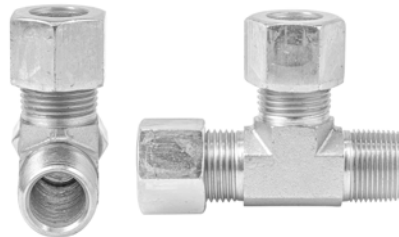
WWF PART # 7716
SAE: 080428
 Industry Standard: C6804
 Parker: R5BU
 Aeroquip: 7716
 Fittings Unlimited: Y-FL-6804



PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
7716X04X04X04	0.438	7/16-20	0.890	0.203	7/16-20	1.030	0.203	7/16-20	0.890	0.203
7716X06X06X06	0.563	9/16-18	1.050	0.281	9/16-18	1.250	0.281	9/16-18	1.050	0.281
7716X08X08X08	0.750	3/4-16	1.250	0.422	3/4-16	1.450	0.422	3/4-16	1.250	0.422

STRAIGHT THREAD ORB RUN TEE

WWF PART # 7755
SAE: 080424
 Industry Standard: C2605
 Parker: RBU
 Aeroquip: 7755
 Fittings Unlimited: Y-FL-2605

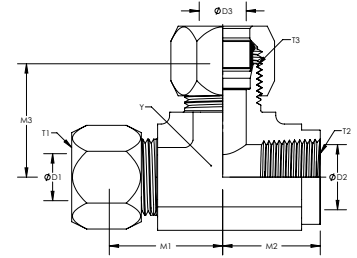
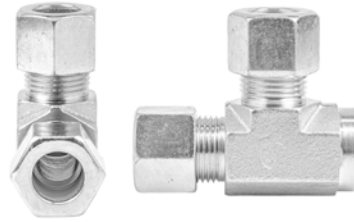


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
7755X04X02X04	0.438	7/16-20	0.890	0.203	1/8-27	0.780	0.188	7/16-20	0.890	0.203
7755X04X04X04	0.563	7/16-20	1.030	0.203	1/4-18	1.090	0.281	7/16-20	1.030	0.203
7755X05X02X05	0.563	1/2-20	0.950	0.234	1/8-27	0.810	0.188	1/2-20	0.950	0.234
7755X06X04X06	0.563	9/16-18	1.050	0.281	1/4-18	1.090	0.281	9/16-18	1.050	0.281
7755X06X06X06	0.750	9/16-18	1.140	0.281	3/8-18	1.220	0.406	9/16-18	1.140	0.281
7755X08X06X08	0.750	3/4-16	1.250	0.422	3/8-18	1.220	0.406	3/4-16	1.250	0.422
7755X08X08X08	0.875	3/4-16	1.350	0.422	1/2-14	1.470	0.531	3/4-16	1.350	0.422
7755X10X08X10	0.875	7/8-14	1.420	0.500	1/2-14	1.470	0.531	7/8-14	1.420	0.500
7755X12X12X12	1.063	1-1/16-12	1.580	0.656	3/4-14	1.590	0.719	1-1/16-12	1.580	0.656
7755X14X12X14	1.313	1-3/16-12	1.660	0.719	3/4-14	1.690	0.719	1-3/16-12	1.660	0.719
7755X16X16X16	1.313	1-5/16-12	1.730	0.875	1-11-1/2	1.970	0.938	1-5/16-12	1.730	0.875
7755X24X24X24	1.875	1-7/8-12	2.020	1.344	1-1/2-11-1/2	2.640	1.500	1-7/8-12	2.020	1.344

TEES

FEMALE PIPE RUN TEE

WWF PART # 7805
SAE: 080426
 Industry Standard: C2606
 Parker: MBU
 Aeroquip: 7805
 Fittings Unlimited: Y-FL-2606

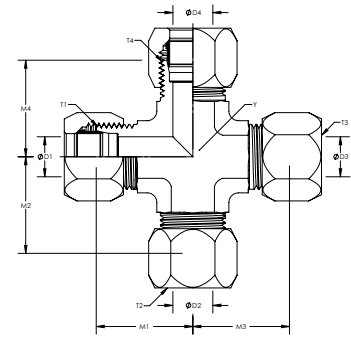


PART #	Y HEX	T1	M1	D1	T2	M2	D2	T3	M3	D3
7805X04X02X04	0.563	7/16-20	0.890	0.203	1/8-27	0.660	0.322	7/16-20	0.890	0.203
7805X04X04X04	0.750	7/16-20	1.030	0.203	1/4-18	0.880	0.438	7/16-20	1.030	0.203
7805X06X04X06	0.750	9/16-18	1.050	0.281	1/4-18	0.880	0.438	9/16-18	1.050	0.281
7805X08X06X08	0.875	3/4-16	1.230	0.422	3/8-18	1.020	0.563	3/4-16	1.230	0.422
7805X10X08X10	1.063	7/8-14	1.420	0.500	1/2-14	1.230	0.703	7/8-14	1.420	0.500
7805X12X12X12	1.313	1-1/16-12	1.580	0.656	3/4-14	1.360	0.906	1-1/16-12	1.580	0.656
7805X14X12X14	1.313	1-3/16-12	1.620	0.719	3/4-14	1.420	0.906	1-3/16-12	1.620	0.719

CROSSES

FLARELESS UNION CROSS

WWF PART # 7955
SAE: 080501
 Industry Standard: C2650
 Parker: KBU
 Fittings Unlimited: Y-FL-2650



PART #	Y HEX	T1 / T3	M1 / M3	D1 / D3	T2 / T4	M2 / M4	D2 / D4
7955X04X04X04X04	0.438	7/16-20	0.890	0.203	7/16-20	0.890	0.203
7955X06X06X06X06	0.563	9/16-18	1.050	0.281	9/16-18	1.050	0.281
7955X08X08X08X08	0.750	3/4-16	1.250	0.422	3/4-16	1.250	0.422
7955X10X10X10X10	0.875	7/8-14	1.420	0.500	7/8-14	1.420	0.500
7955X12X12X12X12	1.063	1-1/16-12	1.580	0.656	1-1/16-12	1.580	0.656

**WORLD
WIDE**

BEADED HOSE FITTINGS



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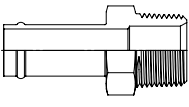
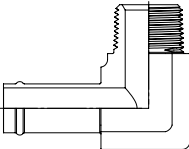
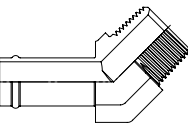
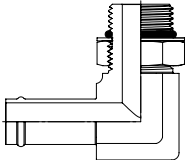
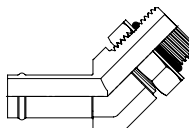
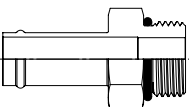
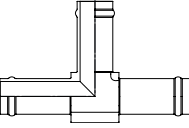
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or click on the [Beaded Hose Fittings Index](#) to select a specific part.



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<p style="text-align: center;">4504</p>  <p style="text-align: center;">Hose Barb Tee</p>					

STRAIGHTS

HOSE BEAD TO MALE PIPE

WWF PART # **4404**

SAE: 430160

Industry Standard: 4404

Gates: HB-MP (REV B)

Fittings Unlimited: Y-4404

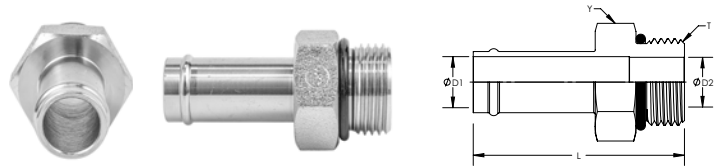


PART #	Y HEX	T	D1	D2	L
4404X04X02	0.438	1/8-27	0.189	0.189	2.080
4404X04X04	0.563	1/4-18	0.189	0.275	2.350
4404X05X04	0.563	1/4-18	0.252	0.275	2.350
4404X06X02	0.625	1/8-27	0.295	0.189	2.130
4404X06X04	0.625	1/4-18	0.295	0.275	2.350
4404X06X06	0.750	3/8-18	0.295	0.405	2.350
4404X06X08	0.938	1/2-14	0.295	0.531	2.600
4404X08X04	0.750	1/4-18	0.405	0.275	2.350
4404X08X06	0.750	3/8-18	0.405	0.405	2.350
4404X08X08	0.938	1/2-14	0.405	0.531	2.600
4404X08X12	1.125	3/4-14	0.405	0.708	2.670
4404X10X06	0.875	3/8-18	0.500	0.405	2.350
4404X10X08	0.938	1/2-14	0.500	0.531	2.600
4404X10X16	1.375	1-11-1/2	0.500	0.938	2.860
4404X12X08	1.000	1/2-14	0.626	0.531	2.600
4404X12X12	1.125	3/4-14	0.626	0.708	2.670
4404X12X16	1.375	1-11-1/2	0.626	0.938	2.860
4404X16X12	1.250	3/4-14	0.842	0.708	2.670
4404X16X16	1.375	1-11-1/2	0.842	0.938	2.860
4404X20X16	1.500	1-11-1/2	1.094	0.938	2.860
4404X20X20	1.750	1-1/4-11-1/2	1.094	1.248	2.970
4404X20X24	2.000	1-1/2-11-1/2	1.094	1.496	3.070
4404X24X20	1.750	1-1/4-11-1/2	1.342	1.248	2.970
4404X24X24	2.000	1-1/2-11-1/2	1.342	1.496	3.070

STRAIGHTS

HOSE BEAD TO MALE ORB

WWF PART # 4604
SAE: 430192
Industry Standard: 4604
Aeroquip: FF1883
Fittings Unlimited: Y-4604

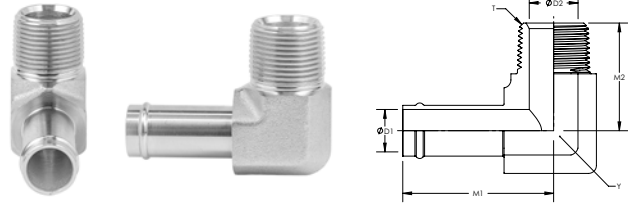


PART #	Y HEX	T	D1	D2	L
4604X04X04	0.563	7/16-20	0.189	0.173	2.170
4604X04X06	0.688	9/16-18	0.189	0.295	2.230
4604X06X04	0.563	7/16-20	0.295	0.173	2.170
4604X06X06	0.688	9/16-18	0.295	0.295	2.230
4604X06X08	0.875	3/4-16	0.295	0.389	2.300
4604X08X06	0.688	9/16-18	0.405	0.295	2.230
4604X08X08	0.875	3/4-16	0.405	0.389	2.300
4604X10X08	0.875	3/4-16	0.500	0.389	2.300
4604X10X10	1.000	7/8-14	0.500	0.484	2.430
4604X10X12	1.250	1-1/16-12	0.500	0.610	2.590
4604X12X08	0.875	3/4-16	0.626	0.389	2.300
4604X12X10	1.000	7/8-14	0.626	0.484	2.430
4604X12X12	1.250	1-1/16-12	0.626	0.610	2.590
4604X12X16	1.500	1-5/16-12	0.626	0.846	2.620
4604X16X12	1.250	1-1/16-12	0.844	0.610	2.590
4604X16X16	1.500	1-5/16-12	0.844	0.846	2.620
4604X16X20	1.875	1-5/8-12	0.844	1.082	2.700
4604X20X16	1.500	1-5/16-12	1.094	0.846	2.620
4604X20X20	1.875	1-5/8-12	1.094	1.082	2.700
4604X20X24	2.125	1-7/8-12	1.094	1.299	2.770
4604X24X20	1.875	1-5/8-12	1.344	1.082	2.700
4604X24X24	2.125	1-7/8-12	1.344	1.299	2.770
4604X32X32	2.750	2-1/2-12	1.482	1.772	2.930

ELBOWS

HOSE BEAD TO MALE PIPE 90° ELBOW

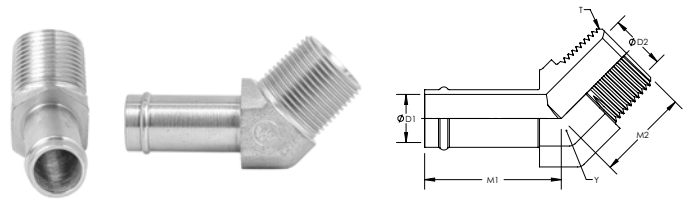
WWF PART # 4501
SAE: 431460
Industry Standard: 4501
Aeroquip: FF1162
Fittings Unlimited: Y-4501-F



PART #	Y HEX	T	M1	D1	M2	D2
4501X04X02	0.500	1/8-27	1.887	0.189	0.779	0.189
4501X04X04	0.563	1/4-18	1.955	0.189	1.090	0.275
4501X05X04	0.625	1/4-18	1.955	0.251	1.090	0.275
4501X06X04	0.625	1/4-18	1.955	0.295	1.090	0.275
4501X06X06	0.750	3/8-18	2.023	0.295	1.220	0.405
4501X06X08	0.938	1/2-14	2.125	0.295	1.469	0.531
4501X08X06	0.813	3/8-18	2.057	0.405	1.220	0.405
4501X08X08	0.938	1/2-14	2.125	0.405	1.469	0.531
4501X08X12	1.125	3/4-14	2.228	0.405	1.590	0.720
4501X10X08	0.938	1/2-14	2.125	0.500	1.469	0.531
4501X10X12	1.125	3/4-14	2.228	0.500	1.590	0.720
4501X12X08	0.938	1/2-14	2.125	0.626	1.469	0.531
4501X12X12	1.125	3/4-14	2.228	0.626	1.590	0.720
4501X12X16	1.375	1-11-1/2	2.364	0.626	1.969	0.938
4501X16X12	1.125	3/4-14	2.228	0.842	1.590	0.720
4501X16X16	1.375	1-11-1/2	2.364	0.842	1.969	0.938
4501X20X16	1.375	1-11-1/2	2.364	1.094	1.969	0.938
4501X20X20	1.750	1-1/4-11-1/2	2.569	1.094	2.381	1.248
4501X24X24	2.000	1-1/2-11-1/2	2.705	1.342	2.641	1.496
4501X32X32	2.500	2-11-1/2	3.000	1.843	3.000	1.929

HOSE BEAD TO MALE PIPE 45° ELBOW

WWF PART # 4503
SAE: 430360
Industry Standard: 4503
Aeroquip: FF1360
Fittings Unlimited: Y-4503-F



PART #	Y HEX	T	M1	D1	M2	D2
4503X04X02	0.500	1/8-27	1.680	0.189	0.633	0.189
4503X04X04	0.625	1/4-18	1.700	0.189	0.858	0.275
4503X06X04	0.625	1/4-18	1.670	0.295	0.858	0.275
4503X08X06	0.813	3/8-18	1.740	0.405	0.948	0.405
4503X08X08	0.938	1/2-14	1.720	0.405	1.173	0.531
4503X10X08	0.938	1/2-14	1.750	0.500	1.173	0.531
4503X10X12	1.125	3/4-14	1.810	0.500	1.200	0.720
4503X12X12	1.125	3/4-14	1.780	0.626	1.200	0.720
4503X12X16	1.375	1-11-1/2	1.980	0.626	1.480	0.938
4503X16X12	1.125	3/4-14	1.750	0.842	1.200	0.720
4503X16X16	1.375	1-11-1/2	1.850	0.842	1.480	0.938
4503X20X20	1.750	1-1/4-11-1/2	1.910	1.094	1.669	1.248
4503X24X24	2.000	1-1/2-11-1/2	1.950	1.342	1.771	1.496

ELBOWS

HOSE BEAD TO MALE ADJUSTABLE ORB 90° ELBOW

WWF PART # 4601

SAE: 431492

Industry Standard: 4601

Aeroquip: FF1167

Fittings Unlimited: Y-4601-F-NWO



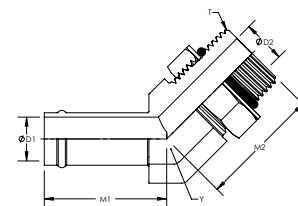
PART #	Y HEX	T	M1	D1	M2	D2
4601X04X04	0.500	7/16-20	1.887	0.188	1.031	0.172
4601X04X06	0.625	9/16-18	1.955	0.188	1.251	0.297
4601X05X04	0.562	7/16-20	1.810	0.252	1.031	0.172
4601X06X04	0.500	7/16-20	1.887	0.296	1.192	0.172
4601X06X06	0.625	9/16-18	1.955	0.296	1.251	0.297
4601X06X08	0.813	3/4-16	2.057	0.296	1.448	0.391
4601X08XM22	0.984	M22X1.5	1.969	0.405	1.969	0.551
4601X08X06	0.625	9/16-18	1.955	0.406	1.251	0.297
4601X08X08	0.813	3/4-16	2.057	0.406	1.448	0.391
4601X08X10	0.938	7/8-14	2.125	0.406	1.700	0.484
4601X10XM14	0.875	M14X1.5	1.969	0.500	1.693	0.295
4601X10XM16	0.866	M16X1.5	2.000	0.500	1.431	0.354
4601X10X08	0.813	3/4-16	2.057	0.500	1.448	0.391
4601X10X10	0.938	7/8-14	2.125	0.500	1.700	0.484
4601X10X12	1.125	1-1/16-12	2.228	0.500	1.940	0.609
4601X12X08	0.938	3/4-16	2.125	0.625	1.448	0.391
4601X12X10	0.938	7/8-14	2.125	0.625	1.700	0.484
4601X12X12	1.125	1-1/16-12	2.228	0.625	1.940	0.609
4601X12X16	1.375	1-5/16-12	2.364	0.625	2.051	0.844
4601X16X10	1.125	7/8-14	2.228	0.844	1.889	0.484
4601X16X12	1.125	1-1/16-12	2.228	0.844	1.940	0.609
4601X16X16	1.375	1-5/16-12	2.364	0.844	2.051	0.844
4601X16X20	1.688	1-5/8-12	2.535	0.844	2.251	1.078
4601X20X16	1.375	1-5/16-12	2.364	1.094	2.051	0.844
4601X20X20	1.688	1-5/8-12	2.535	1.094	2.251	1.078
4601X24X20	1.688	1-5/8-12	2.535	1.344	2.251	1.078
4601X24X24	2.000	1-7/8-12	2.705	1.344	2.389	1.310

ELBOWS

HOSE BEAD TO MALE ADJUSTABLE ORB 45° ELBOW

WWF PART # 4603
SAE: 430392

Industry Standard: 4603
Aeroquip: FF1168
Fittings Unlimited: Y-4603-F-NWO



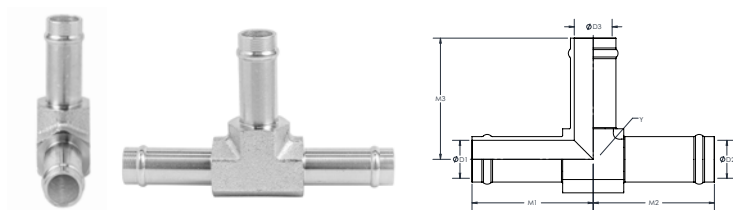
PART #	Y HEX	T	M1	D1	M2	D2
4603X04X04	0.500	7/16-20	1.700	0.188	1.051	0.172
4603X04X06	0.625	9/16-18	1.700	0.188	1.141	0.297
4603X06X04	0.500	7/16-20	1.610	0.297	1.051	0.172
4603X06X06	0.625	9/16-18	1.690	0.297	1.141	0.297
4603X08X06	0.625	9/16-18	1.610	0.406	1.141	0.297
4603X08X08	0.813	3/4-16	1.690	0.406	1.299	0.391
4603X10X08	0.813	3/4-16	1.650	0.500	1.299	0.391
4603X10X10	0.938	7/8-14	1.700	0.500	1.519	0.484
4603X10X12	1.125	1-1/16-12	1.840	0.500	1.728	0.609
4603X12X08	0.813	3/4-16	1.620	0.625	1.299	0.391
4603X12X12	1.125	1-1/16-12	1.750	0.625	1.728	0.609
4603X12X16	1.375	1-5/16-12	1.900	0.625	1.858	0.844
4603X16X12	1.125	1-1/16-12	1.700	0.844	1.728	0.609
4603X16X16	1.375	1-5/16-12	1.860	0.844	1.858	0.844
4603X20X16	1.375	1-5/16-12	1.760	1.094	1.858	0.844
4603X20X20	1.688	1-5/8-12	1.920	1.094	1.909	1.078
4603X24X16	1.375	1-5/16-12	1.800	1.344	1.858	0.844
4603X24X20	1.688	1-5/8-12	1.920	1.344	1.909	1.078
4603X24X24	2.000	1-7/8-12	1.970	1.344	1.909	1.310

TEES

HOSE BARB TEE

WWF PART # 4504

Industry Standard: 4504



PART #	Y HEX	M1	D1	M2	D2	M3	D3
4504X06X06X06	0.563	1.810	0.295	1.810	0.295	1.810	0.295
4504X08X08X08	0.813	1.910	0.391	1.910	0.391	1.910	0.391

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O-RINGS**



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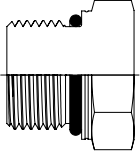
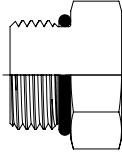
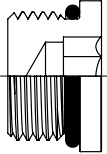
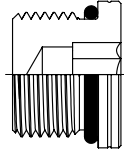
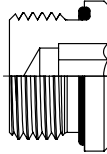
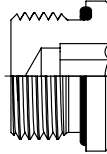
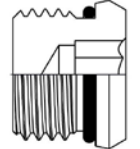



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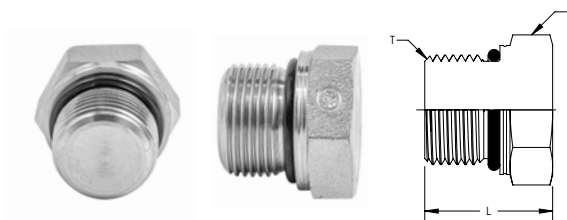
<p>7237M</p>  <p>External Hex Port Plug - Metric</p>	<p>7237S</p>  <p>External Hex Port Plug</p>	<p>7238</p>  <p>Internal Hex Port Plug</p>	<p>7238M</p>  <p>Internal Hex Port Plug - Metric</p>	<p>7240G</p>  <p>Din BSP Plug</p>	<p>7240M</p>  <p>Din Metric Plug</p>
<p>7248</p>  <p>NWD Dual Seal Port Plug</p>	<p>7629</p>  <p>90 Durometer Buna O Ring</p>	<p>7629M</p>  <p>90 Durometer Metric "O" Ring</p>	<p>7629V</p>  <p>Viton O Ring</p>		

PLUGS

EXTERNAL HEX PORT PLUG - METRIC

WWF PART # 7237M

Industry Standard: 8556-P
Air-Way: M6408
Parker: P87OMN
Gates: MMOR-PLUG
Gates Global: G63099
Fittings Unlimited: M-6408

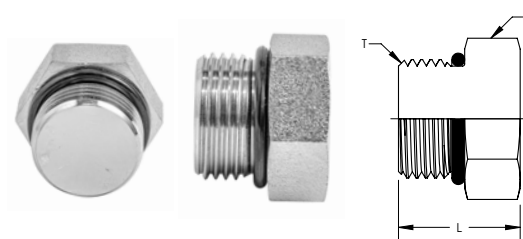


PART #	Y HEX	T	L
7237XM10	0.551	M10X1.0	0.669
7237XM12	0.669	M12X1.5	0.728
7237XM14	0.748	M14X1.5	0.768
7237XM16	0.866	M16X1.5	0.866
7237XM18	0.945	M18X1.5	0.945
7237XM22	1.063	M22X1.5	1.024
7237XM27	1.260	M27X2.0	1.240
7237XM33	1.614	M33X2.0	1.338

EXTERNAL HEX PORT PLUG

WWF PART # 7237S

Industry Standard: 6408-O-SOLID
Parker: P5ON
Gates: MB-PLUG
Gates Global: G60250
Fittings Unlimited: Y-6408-O (SOLID)



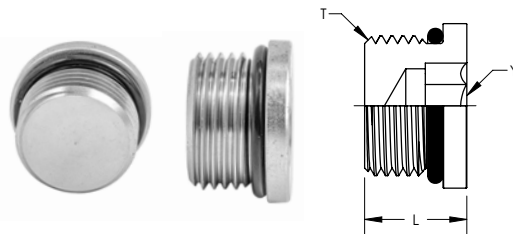
PART #	Y HEX	T	L
7237X02S	0.438	5/16-24	0.600
7237X03S	0.500	3/8-24	0.600
7237X04S	0.563	7/16-20	0.670
7237X05S	0.625	1/2-20	0.670
7237X06S	0.688	9/16-18	0.730
7237X08SCF	0.875	3/4-16	0.800
7237X10S	1.000	7/8-14	0.930
7237X12S	1.250	1-1/16-12	1.090
7237X14S	1.375	1-3/16-12	1.090
7237X16S	1.5	1-5/16-12	1.12
7237X20S	1.875	1-5/8-12	1.2
7237X24S	2.125	1-7/8-12	1.27
7237X32S	2.75	2-1/2-12	1.43

PLUGS

INTERNAL HEX PORT PLUG

WWF PART # 7238

Industry Standard: 6408-H
Parker: HP50N
Aeroquip: FF2138
Tompkins: 6408-HHP
Fittings Unlimited: Y-6408-HHP

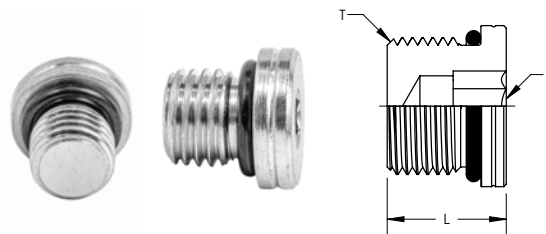


PART #	Y HEX	T	L
7238X02CF	0.125	5/16-24	0.405
7238X03	0.156	3/8-24	0.405
7238X04CF	0.188	7/16-20	0.472
7238X05CF	0.219	1/2-20	0.472
7238X06CF	0.250	9/16-18	0.508
7238X08CF	0.313	3/4-16	0.587
7238X10CF	0.375	7/8-14	0.657
7238X12CF	0.563	1-1/16-12	0.776
7238X14	0.563	1-3/16-12	0.776
7238X16	0.625	1-5/16-12	0.776
7238X20	0.750	1-5/8-12	0.776
7238X24	0.750	1-7/8-12	0.776
7238X32	0.750	2-1/2-12	0.776

INTERNAL HEX PORT PLUG - METRIC

WWF PART # 7238M

Industry Standard: 8556-H
Air-Way: M6409
Parker: VSTI M-OR



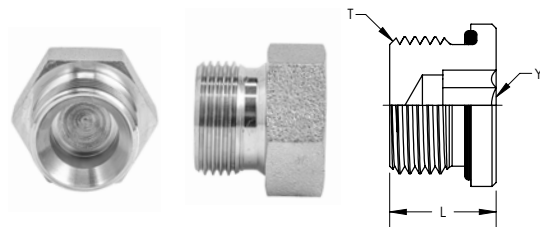
PART #	Y HEX	T	L
7238XM08	0.157	M8X1.0	0.512
7238XM10	0.197	M10X1.0	0.531
7238XM12	0.236	M12X1.5	0.610
7238XM14	0.236	M14X1.5	0.630
7238XM16	0.315	M16X1.5	0.689
7238XM18	0.315	M18X1.5	0.748
7238XM22	0.394	M22X1.5	0.787
7238XM27	0.472	M27X2.0	0.925
7238XM33	0.551	M33X2.0	0.964
7238XM42	0.669	M42X2.0	0.984

PLUGS

DIN BSP PLUG

WWF PART # 7240G

Industry Standard: 9522-H
Parker: VSTIR-ED
Tompkins: 3408-HHP

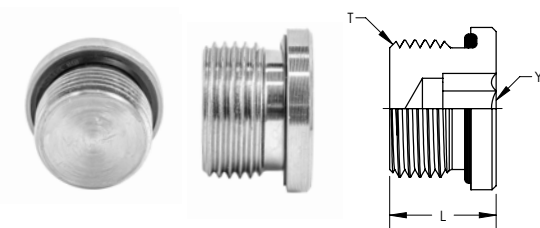


PART #	Y HEX	T	L
7240X02G	0.197	G 1/8A	0.472
7240X04G	0.236	G 1/4A	0.669
7240X06G	0.315	G 3/8A	0.669
7240X08G	0.394	G 1/2A	0.748
7240X12G	0.472	G 3/4A	0.827
7240X16G	0.669	G1 A	0.886
7240X20G	0.866	G1 1/4A	0.886
7240X24G	0.945	G1 1/2A	0.886

DIN METRIC PLUG

WWF PART # 7240M

Industry Standard: 8555
Parker: VSTIM-ED
Gates: MDL-PLUG
Gates Global: G64792
Tompkins: 7408-HHP



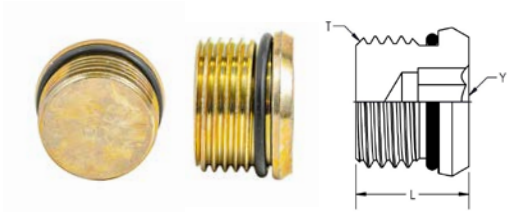
PART #	Y HEX	T	L
7240XM10	0.197	M10X1.0	0.472
7240XM12	0.236	M12X1.5	0.669
7240XM14	0.236	M14X1.5	0.669
7240XM16	0.315	M16X1.5	0.669
7240XM18	0.315	M18X1.5	0.669
7240XM27	0.472	M27X2.0	0.827

PLUGS

NWD DUAL SEAL PORT PLUG

WWF PART # 7248

EPCO: 22S-S



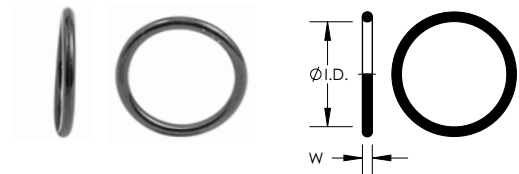
PART #	Y HEX	T	L
7248X02	0.125	5/16-24	0.360
7248X04	0.188	7/16-20	0.450
7248X06	0.250	9/16-18	0.480
7248X08	0.313	3/4-16	0.560
7248X10	0.375	7/8-14	0.63
7248X12	0.563	1-1/16-12	0.75
7248X16	0.625	1-5/16-12	0.75
7248X20	0.750	1-5/8-12	0.75

O-RINGS

90 DUROMETER BUNA O RING

WWF PART # 7629

Industry Standard: 4000
Aeroquip: 22617
Gates: O-RING
Gates Global: G60248
Tompkins: 90DB

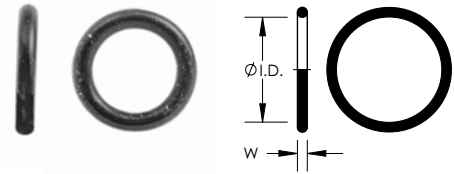


PART #	I.D.	W
7629X02	0.239	0.064
7629X03	0.301	0.064
7629X04	0.351	0.072
7629X05	0.414	0.072
7629X06	0.468	0.078
7629X08	0.644	0.087
7629X10	0.755	0.097
7629X12	0.924	0.116
7629X14	1.048	0.116
7629X16	1.171	0.116
7629X20	1.475	0.118
7629X24	1.720	0.118
7629X32	2.337	0.118

O-RINGS

90 DUROMETER METRIC "O" RING

WWF PART # 7629M

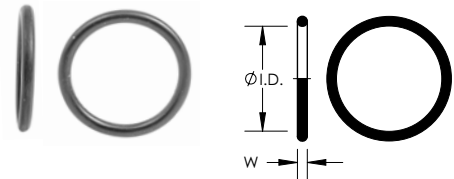


PART #	I.D.	W
7629XM08	0.240	0.063
7629XM10	0.319	0.063
7629XM12	0.366	0.087
7629XM14	0.445	0.087
7629XM16	0.524	0.087
7629XM18	0.602	0.087
7629XM22	0.760	0.087
7629XM27	0.929	0.114
7629XM33	1.165	0.114
7629XM42	1.520	0.114
7629XM48	1.756	0.114

VITON O RING

WWF PART # 7629V

Industry Standard: 4001



PART #	I.D.	W
7629X02V	0.239	0.064
7629X03V	0.301	0.064
7629X04V	0.351	0.072
7629X05V	0.414	0.072
7629X06V	0.468	0.078
7629X08V	0.644	0.087
7629X10V	0.755	0.097
7629X12V	0.924	0.116
7629X14V	1.048	0.116
7629X16V	1.171	0.116
7629X20V	1.475	0.118
7629X24V	1.720	0.118
7629X32V	2.337	0.118

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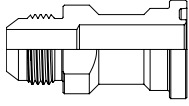
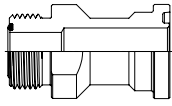
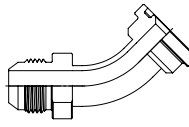
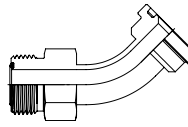
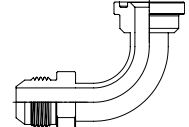
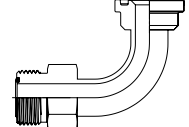

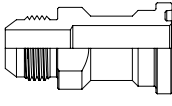
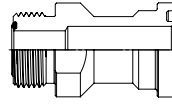
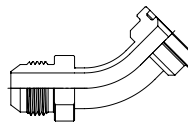
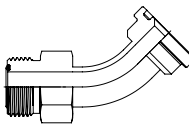
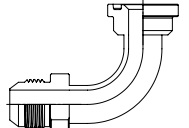
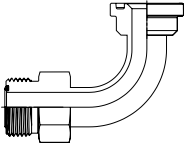
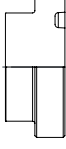
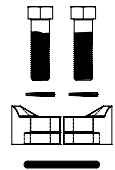
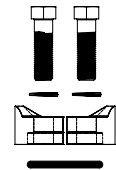






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<p>FS1804</p>  <p>Face Seal Flange 90° Elbow Short Code 62</p>	<p>1824</p>  <p>Flange Head Plug Code - 62</p>	<p>1901</p>  <p>Flange Kit - 61</p>	<p>1902</p>  <p>Flange Kit - 62</p>	<p>1951</p>  <p>Flange Half - Code 61</p>	<p>1952</p>  <p>Flange Half - Code 62</p>
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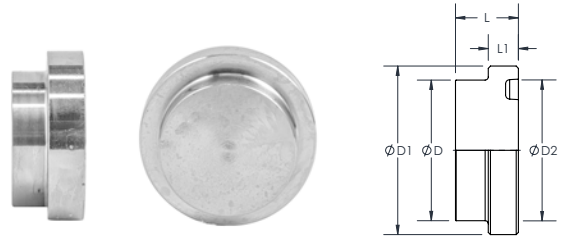
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FLANGE HEAD PLUG CODE - 61

WWF PART # 1724

Industry Standard: 1724
Parker: PQ1SX
Tompkins: 6861-P

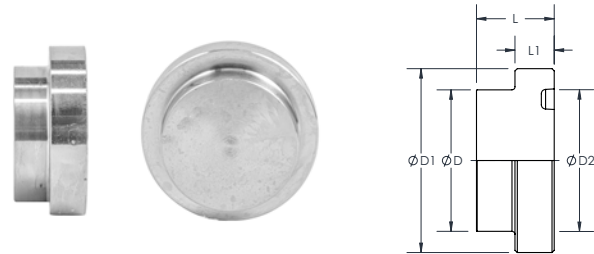


PART #	D	D1	D2	L	L1
1724X12	1.250	1.500	1.250	0.560	0.268
1724X16	1.500	1.750	1.560	0.560	0.315
1724X20	1.700	2.000	1.750	0.560	0.315
1724X24	1.980	2.375	2.115	0.620	0.315
1724X32	2.450	2.810	2.490	0.620	0.378
1724X40	2.920	3.310	2.995	0.680	0.378
1724X48	3.550	4.000	3.615	0.750	0.378

FLANGE HEAD PLUG CODE - 62

WWF PART # 1824

Industry Standard: 1824
Parker: PQ2SX
Tompkins: 6862-P



PART #	D	D1	D2	L	L1
1824X12	1.250	1.625	1.250	0.688	0.346
1824X16	1.500	1.875	1.560	0.812	0.374
1824X20	1.720	2.125	1.750	1.000	0.406
1824X24	2.000	2.500	2.115	1.188	0.496
1824X32	2.618	3.125	2.490	1.500	0.496

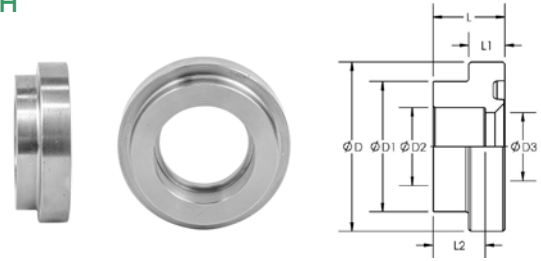
PLUGS & HEAD CONNECTORS

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O-RING FLANGE BRAZE ON FLANGE HEAD CODE 61 PLAIN FINISH

WWF PART # **3300X61**

Industry Standard: 3300-61
Parker: B3HQ1SX
Aeroquip: 4624
Tompkins: 6861
Fittings Unlimited: Y-SF-3300-61

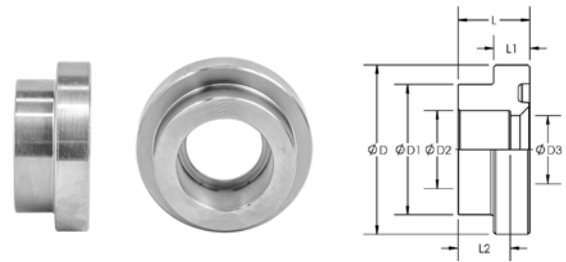


PART #	D	D1	D2	D3	L	L1	L2
3300X61X12X16	1.750	1.500	0.752	0.657	0.560	0.315	0.375
3300X61X16X16	1.750	1.500	1.002	0.906	0.560	0.315	0.375
3300X61X24X24	2.376	1.980	1.502	1.375	0.620	0.315	0.438
3300X61X32X32	2.811	2.449	2.002	1.875	0.620	0.378	0.500
3300X61X40X40	3.311	2.921	2.502	2.375	0.681	0.378	0.500
3300X61X48X48	4.000	3.551	3.002	2.875	0.750	0.378	0.562

“O” RING BRAZE-ON FLANGE HEAD - CODE 62

WWF PART # **3300X62**

Industry Standard: 3300-62
Parker: B3HQ2SX
Aeroquip: FC1102
Tompkins: 6862
Fittings Unlimited: Y-SF-3300-62



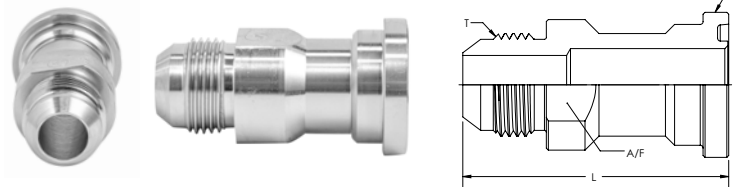
PART #	D	D1	D2	D3	L	L1	L2
3300X62X12X12	1.626	1.252	0.752	0.656	0.689	0.346	0.500
3300X62X16X16	1.875	1.500	1.005	0.811	0.811	0.374	0.625
3300X62X20X20	2.126	1.720	1.252	1.010	1.000	0.406	0.811

STRAIGHTS

JIC FLANGE - STRAIGHT CODE 61

WWF PART # 1700

Industry Standard: 1700
Parker: XHQ1
Aeroquip: 500025
Gates: FL-MJ
Gates Global: G60900
Tompkins: 6840
Fittings Unlimited: Y-1700-61

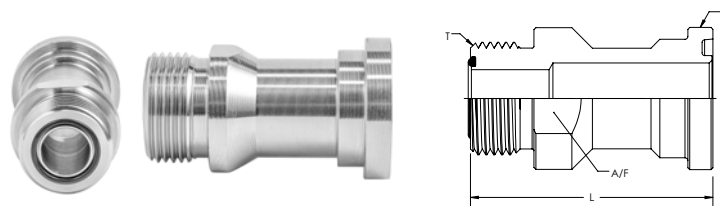


PART #	Y HEX	T	L	F
1700X12X12	1.125	1-1/16-12	2.750	1.500
1700X12X16	1.125	1-1/16-12	2.800	1.750
1700X16X12	1.375	1-5/16-12	2.750	1.500
1700X16X16	1.375	1-5/16-12	2.800	1.750
1700X20X20	1.688	1-5/8-12	2.800	2.000
1700X24X24	2.000	1-7/8-12	3.500	2.375
1700X32X32	2.750	2-1/2-12	3.980	2.811

FACE SEAL FLANGE STRAIGHT COMPACT CODE - 61

WWF PART # FS1700

Industry Standard: FS1700
Parker: LOHQ1
Gates: FL5K-MFFOR
Gates Global: G60915
Tompkins: FF6840
Fittings Unlimited: Y-OFS-1700-61



PART #	Y HEX	T	D1	D2	L	F
FS1700X12X12	1.250	1-3/16-12	0.610	0.610	2.559	1.500
FS1700X16X16	1.500	1-7/16-12	0.807	0.807	2.835	1.750
FS1700X20X20	1.750	1-11/16-12	1.024	1.024	3.031	2.000
FS1700X24X24	2.125	2-12	1.260	1.260	3.386	2.376

STRAIGHTS

JIC FLANGE - STRAIGHT CODE 62

WWF PART # 1800

Industry Standard: 1800
Parker: XHQ2
Aeroquip: FF5541
Gates: FLH6K-MJ
Gates Global: G60930
Tompkins: 6842



PART #	Y HEX	T	L	F
1800X12X12	1.125	1-1/16-12	2.750	1.625
1800X16X16	1.375	1-5/16-12	2.800	1.875
1800X20X20	1.688	1-5/8-12	3.050	2.125
1800X24X24	2.000	1-7/8-12	3.050	2.500

FACE SEAL FLANGE STRAIGHT COMPACT CODE - 62

WWF PART # FS1800

Industry Standard: FS1800
Parker: LOHQ2
Aeroquip: FF5943T
Gates: FLH6K-MFFOR
Gates Global: G60945
Tompkins: FF6842
Fittings Unlimited: Y-OFS-1700-62



PART #	Y HEX	T	D1	D2	L	F
FS1800X12X12	1.250	1-3/16-12	0.610	0.610	2.874	1.626
FS1800X16X16	1.500	1-7/16-12	0.807	0.807	3.346	1.876
FS1800X20X20	1.750	1-11/16-12	1.024	1.024	3.583	2.126
FS1800X24X24	2.125	2-12	1.260	1.260	4.213	2.500

TANK WELD FLANGE

WWF PART # TWF



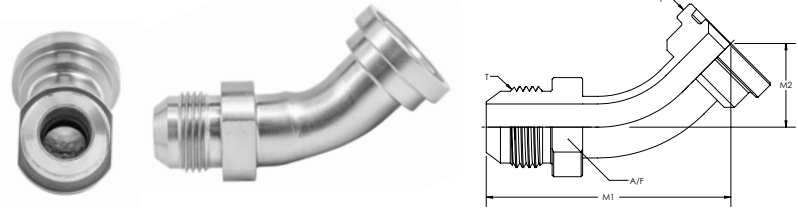
PART #	D	D1	D2	L	L1
TWFX04	7/16-20	1.500	0.930	0.560	0.250
TWFX06	9/16-18	1.500	0.930	0.560	0.250
TWFX08	3/4-16	1.500	0.930	0.560	0.250
TWFX12	1-1/16-12	2.130	1.380	0.688	0.250
TWFX16	1-5/16-12	2.370	1.650	0.750	0.250
TWFX20	1-5/8-12	2.690	2.000	0.750	0.250

ELBOWS

JIC FLANGE 45° ELBOW CODE 61

WWF PART # 1703

Industry Standard: 1703
Parker: XVQ1
Aeroquip: 500023
Gates: FL-MJ45
Gates Global: G60905
Tompkins: 6845
Fittings Unlimited: Y-1703-61

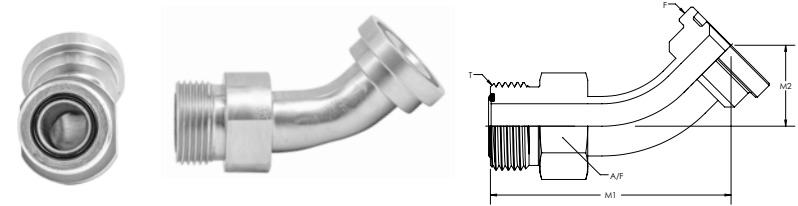


PART #	Y HEX	T	M1	M2	F
1703X12X12	1.125	1-1/16-12	3.150	1.020	1.500
1703X12X16	1.125	1-1/16-12	3.150	1.020	1.750
1703X16X12	1.375	1-5/16-12	3.465	1.180	1.500
1703X16X16	1.375	1-5/16-12	3.660	1.180	1.750
1703X20X20	1.688	1-5/8-12	4.210	1.380	2.000
1703X24X24	2.000	1-7/8-12	4.960	1.690	2.375

FACE SEAL FLANGE 45° ELBOW SHORT CODE - 61

WWF PART # FS1703

Industry Standard: FS1703
Parker: LOVQ1
Aeroquip: FF6001T
Gates: FL5K-MFFOR45
Gates Global: G60920
Tompkins: FF6845
Fittings Unlimited: Y-OFS-1703-F-61



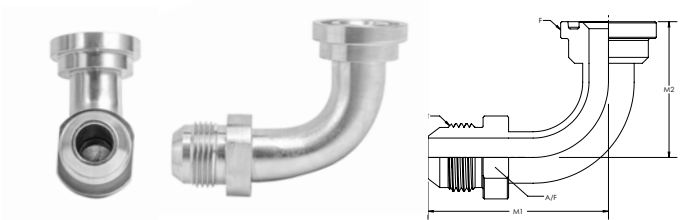
PART #	Y HEX	T	M1	D1	M2	D2	F
FS1703X12X12	1.250	1-3/16-12	3.150	0.610	0.866	0.610	1.500
FS1703X16X16	1.500	1-7/16-12	4.331	0.807	1.102	0.807	1.750
FS1703X20X20	1.750	1-11/16-12	4.921	1.024	1.260	1.024	2.000
FS1703X24X24	2.125	2-12	5.709	1.260	1.496	1.260	2.376

ELBOWS

JIC FLANGE 90° ELBOW CODE 61

WWF PART # 1704

Industry Standard: 1704
 Parker: XEQ1
 Aeroquip: 500024
 Gates: FL-MJ90
 Gates Global: G60910
 Tompkins: D-6890
 Fittings Unlimited: Y-1704-61

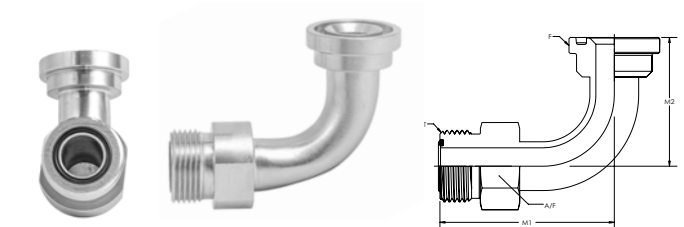


PART #	Y HEX	T	M1	M2	F
1704X12X12	1.125	1-1/16-12	2.835	2.125	1.500
1704X12X16	1.125	1-1/16-12	2.835	2.125	1.750
1704X16X16	1.375	1-5/16-12	3.385	2.600	1.750
1704X20X20	1.688	1-5/8-12	3.980	3.030	2.000
1704X24X24	2.000	1-7/8-12	4.570	3.660	2.375

FACE SEAL FLANGE 90° ELBOW SHORT CODE - 61

WWF PART # FS1704

Industry Standard: FS1704
 Parker: LOEQ1
 Gates: FL5K-MFFOR90
 Gates Global: G60925
 Tompkins: FF6890
 Fittings Unlimited: Y-OFS-1704-F-61



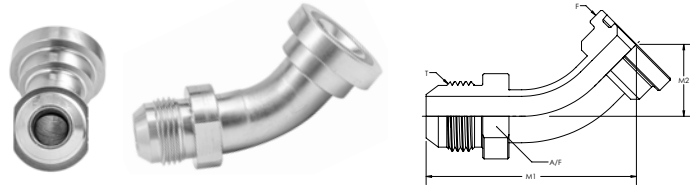
PART #	Y HEX	T	M1	D1	M2	D2	F
FS1704X12X12	1.250	1-3/16-12	2.362	0.610	2.205	0.610	1.500
FS1704X16X16	1.500	1-7/16-12	2.756	0.807	2.402	0.807	1.750
FS1704X20X20	1.750	1-11/16-12	3.540	1.024	2.677	1.260	2.000
FS1704X24X24	2.125	2-12	4.134	1.260	3.189	1.260	2.376

ELBOWS

JIC FLANGE 45° ELBOW CODE 62

WWF PART # 1803

Industry Standard: 1803
 Parker: XVQ2
 Aeroquip: FF5539
 Gates: FLH6K-MJ45
 Gates Global: G60935
 Tompkins: 6847
 Fittings Unlimited: Y-1703-62

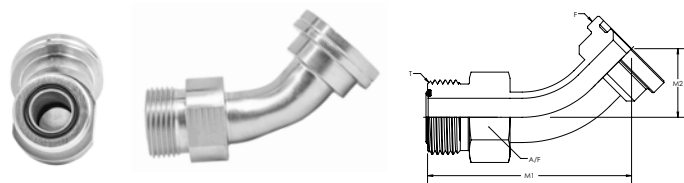


PART #	Y HEX	T	M1	M2	F
1803X12X12	1.250	1-1/16-12	3.310	1.140	1.625
1803X16X16	1.375	1-5/16-12	3.860	1.380	1.875
1803X20X20	1.688	1-5/8-12	4.530	1.650	2.125
1803X24X24	2.000	1-7/8-12	5.160	1.930	2.500

FACE SEAL FLANGE 45° ELBOW SHORT CODE - 62

WWF PART # FS1803

Industry Standard: FS1803
 Parker: LOVQ2
 Aeroquip: FF6002
 Gates: FLH6K-MFFOR45
 Gates Global: G60950
 Tompkins: FF6847
 Fittings Unlimited: Y-OFS-1703-F-62



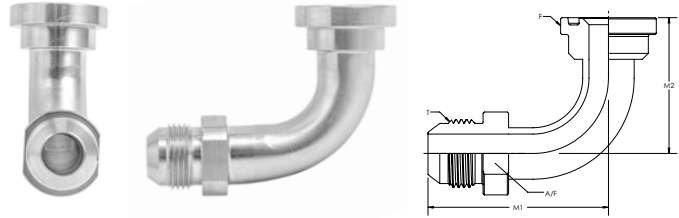
PART #	Y HEX	T	M1	D1	M2	D2	F
FS1803X12X12	1.250	1-3/16-12	3.150	0.610	0.866	0.610	1.626
FS1803X16X16	1.500	1-7/16-12	4.331	0.807	1.102	0.807	1.876
FS1803X20X20	1.750	1-11/16-12	4.921	1.024	1.260	1.024	2.126
FS1803X24X24	2.125	2-12	5.709	1.260	1.496	1.260	2.500

ELBOWS

JIC FLANGE 90° ELBOW CODE 62

WWF PART # 1804

Industry Standard: 1804
Parker: XEQ2
Aeroquip: FF5540
Gates: FLH6K-MJ90
Gates Global: G60940
Tompkins: 6892
Fittings Unlimited: Y-1704-62

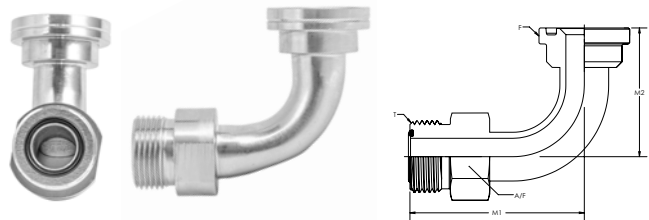


PART #	Y HEX	T	M1	M2	F
1804X12X12	1.125	1-1/16-12	2.835	2.280	1.625
1804X16X12	1.375	1-5/16-12	2.930	2.280	1.625
1804X16X16	1.375	1-5/16-12	3.390	2.875	1.875
1804X20X20	1.688	1-5/8-12	3.980	3.465	2.125

FACE SEAL FLANGE 90° ELBOW SHORT CODE 62

WWF PART # FS1804

Industry Standard: FS1804
Parker: LOEQ2
Aeroquip: FF5945
Gates: FLH6K-MFFOR90
Gates Global: G60955
Tompkins: FF6892
Fittings Unlimited: Y-OFS-1704-F-62



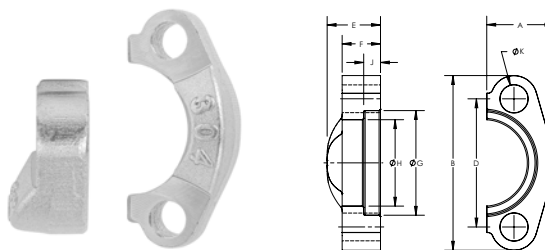
PART #	Y HEX	T	M1	D1	M2	D2	F
FS1804X12X12	1.250	1-3/16-12	2.362	0.610	2.205	0.610	1.626
FS1804X16X16	1.500	1-7/16-12	2.756	0.807	2.402	0.807	1.876
FS1804X20X20	1.750	1-11/16-12	3.540	1.024	2.677	1.260	2.126
FS1804X24X24	2.125	2-12	4.134	1.260	3.189	1.260	2.500

FLANGES

FLANGE HALF - CODE 61

WWF PART # 1951

Industry Standard: 1951
Parker: FCS1S
Tompkins: SF

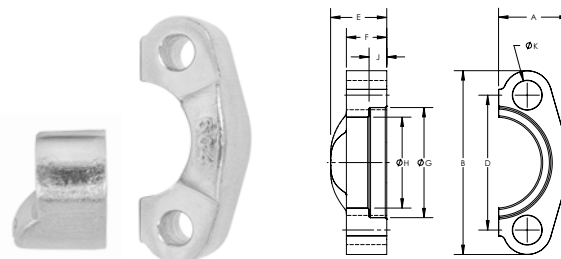


PART #	FLANGE SIZE	A	B	D	E	F	G	H	J	K
1951X08	1/2	0.860	2.125	1.500	0.750	0.500	1.219	0.955	0.245	0.344
1951X12	3/4	0.980	2.560	1.875	0.780	0.560	1.531	1.265	0.245	0.406
1951X16	1	1.110	2.750	2.062	0.940	0.620	1.781	1.515	0.295	0.406
1951X20	1-1/4	1.390	3.125	2.312	0.880	0.560	2.031	1.720	0.295	0.469
1951X24	1-1/2	1.580	3.690	2.750	1.000	0.620	2.406	2.000	0.295	0.531
1951X32	2	1.860	4.000	3.062	1.030	0.620	2.844	2.470	0.355	0.531
1951X40	2-1/2	2.090	4.500	3.500	1.500	0.750	3.344	2.950	0.355	0.531
1951X48	3	2.530	5.315	4.188	1.620	0.880	4.031	3.580	0.355	0.656

FLANGE HALF - CODE 62

WWF PART # 1952

Industry Standard: 1952
Parker: FCS2S
Tompkins: SFX



PART #	FLANGE SIZE	A	B	D	E	F	G	H	J	K
1952X08	1/2	0.890	2.220	1.594	0.880	0.620	1.281	0.970	0.285	0.344
1952X12	3/4	1.140	2.795	2.000	1.120	0.750	1.656	1.280	0.325	0.406
1952X16	1	1.330	3.190	2.250	1.310	0.940	1.906	1.530	0.355	0.469
1952X20	1-1/4	1.480	3.750	2.625	1.500	1.060	2.156	1.750	0.385	0.531
1952X24	1-1/2	1.830	4.440	3.125	1.690	1.190	2.531	2.030	0.475	0.656
1952X32	2	2.200	5.250	3.812	2.060	1.440	3.156	2.660	0.475	0.781

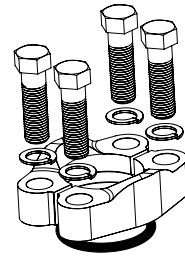
KITS & ACCESSORIES

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FLANGE KIT - 61

WWF PART # 1901

Industry Standard: 1901
Tompkins: SFK Kit
Fittings Unlimited: Y-SFK-61

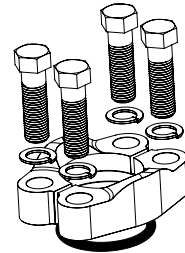


PART #	FLANGE SIZE
1901X08	1/2
1901X12	3/4
1901X16	1
1901X20	1-1/4
1901X24	1-1/2
1901X32	2
1901X40	2-1/2
1901X48	3

FLANGE KIT - 62

WWF PART # 1902

Industry Standard: 1902
Tompkins: SFXK Kit
Fittings Unlimited: Y-SFK-62

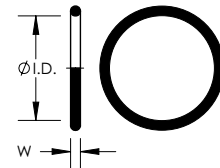


PART #	FLANGE SIZE
1902X08	1/2
1902X12	3/4
1902X16	1
1902X20	1-1/4
1902X24	1-1/2
1902X32	2

FLANGE O RING

WWF PART # Flange O Ring

Industry Standard: 4005
Gates: FLANGE O-RING
Gates Global: G60898



PART #	I.D.	W
210	0.734	0.139
214	0.984	0.139
219	1.296	0.139
222	1.484	0.139
225	1.859	0.139
228	2.234	0.139
232	2.734	0.139

**WORLD
WIDE**

INTERNATIONAL CONVERSION ADAPTERS



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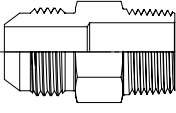
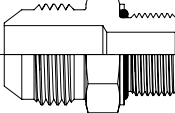
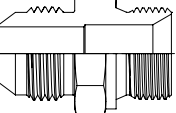
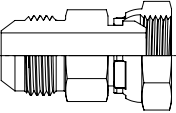
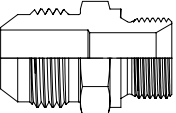
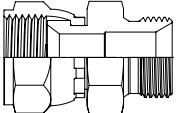
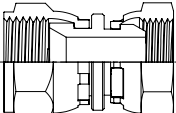
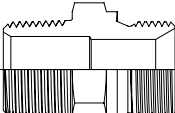
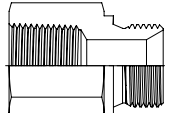
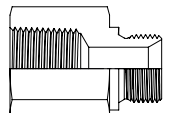
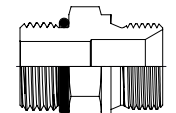
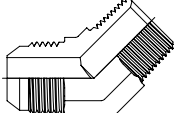
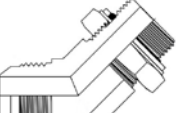
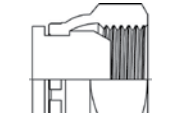
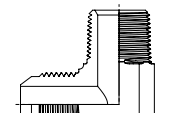
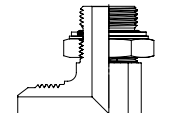
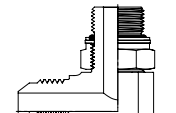

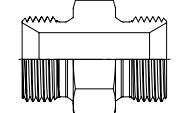
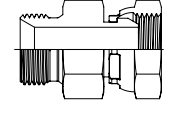
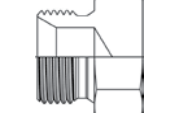
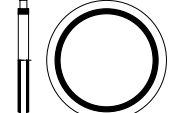
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NUTS & ACCESSORIES

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BSPP CAP (INSERT AND CRIMPED NUT)

WWF PART # 7140G

Industry Standard: 9644-C
Gates: FBSPP-CAP
Gates Global: G64097

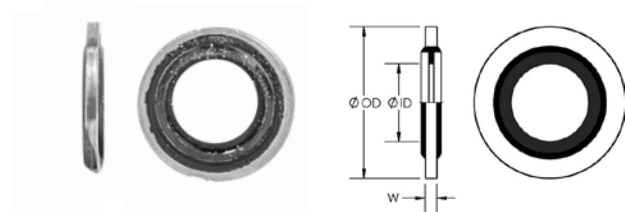


PART #	Y HEX	T	L	L1
7140X02G	0.551	1/8-28	0.709	0.539
7140X04G	0.748	1/4-19	0.787	0.583
7140X06G	0.866	3/8-19	0.866	0.630
7140X08G	1.063	1/2-14	0.984	0.728
7140X10G	1.181	5/8-14	1.063	0.681
7140X12G	1.260	3/4-14	1.142	0.799
7140X16G	1.614	1-11	1.299	0.886
7140X20G	1.969	1-1/4-11	1.358	0.961
7140X24G	2.165	1-1/2-11	1.476	0.984
7140X32G	2.756	2-11	1.654	1.020

BONDED SEAL - METRIC

WWF PART # 8800

Industry Standard: 8800
Gates: MBDS
Gates Global: G64775
Tompkins: DS-MM
Fittings Unlimited: M-6001



PART #	D1	D2	W
8800X06	0.220	0.394	0.039
8800X08	0.252	0.551	0.039
8800X10	0.317	0.630	0.059
8800X12	0.383	0.748	0.059
8800X14	0.448	0.866	0.059
8800X16	0.528	0.945	0.059
8800X18	0.581	1.024	0.059
8800X20	0.660	1.102	0.059
8800X27	0.917	1.417	0.059
8800X33	1.130	1.654	0.079
8800X42	1.437	2.087	0.118
8800X48	1.650	2.323	0.118

NUTS & ACCESSORIES

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MALE BSPP HEX HEAD PLUG WITH 60 DEGREE SEAT

WWF PART # 7240P

Industry Standard: 9522-P
Gates: MBSPP-PLUG
Gates Global: G64099
Tompkins: 3408

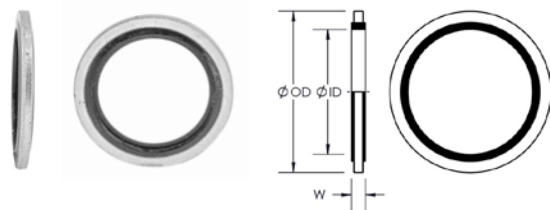


PART #	Y HEX	T1	D1	L
7240XP02	0.551	1/8-28	0.138	0.551
7240XP04	0.750	1/4-19	0.185	0.670
7240XP06	0.866	3/8-19	0.312	0.846
7240XP08	1.063	1/2-14	0.438	0.945
7240XP10	1.181	5/8-14	0.563	1.039
7240XP12	1.260	3/4-14	0.658	1.161
7240XP16	1.614	1-11	0.874	1.339

BONDED SEAL-BRITISH

WWF PART # 9900

Industry Standard: 9900
Tompkins: DS-BSP
Fittings Unlimited: BPP-6001



PART #	Y HEX	I.D.	W
9900X04	0.809	0.540	0.079
9900X06	0.937	0.680	0.079
9900X08	1.125	0.850	0.079
9900X10	1.250	0.925	0.079
9900X12	1.375	1.062	0.079
9900X16	1.687	1.338	0.118
9900X20	2.063	1.700	0.118

STRAIGHTS

MALE JIC TO MALE BSPT STRAIGHT

WWF PART # 7000

Parker: F3MX
Aeroquip: GG110-NP
Gates: MBSPT-MJ
Gates Global: G62150
Tompkins: 3404
Fittings Unlimited: BST-MJ-2404

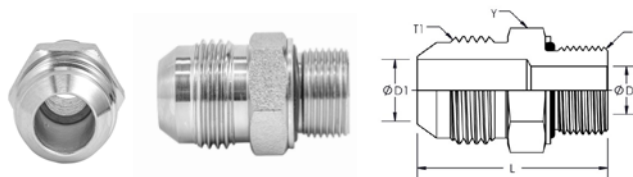


PART #	Y HEX	T1	D1	T2	D2	L
7000X04X02	0.472	7/16-20	0.172	1/8-28	0.188	1.220
7000X04X04	0.551	7/16-20	0.172	1/4-19	0.276	1.380
7000X06X04	0.669	9/16-18	0.297	1/4-19	0.276	1.435
7000X06X06	0.748	9/16-18	0.297	3/8-19	0.406	1.385
7000X08X06	0.748	3/4-16	0.391	3/8-19	0.406	1.540
7000X08X08	0.866	3/4-16	0.391	1/2-14	0.531	1.740
7000X12X12	1.063	1-1/16-12	0.609	3/4-14	0.709	2.070

MALE JIC BY MALE METRIC STRAIGHT THREAD

WWF PART # 7001

Industry Standard: 7001
Fittings Unlimited: M-MJ-6400



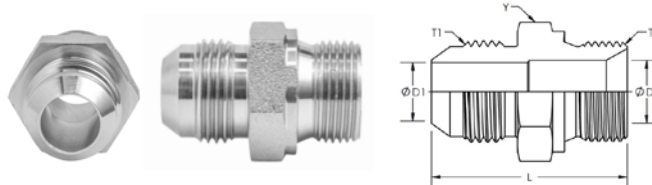
PART #	Y HEX	T1	D1	T2	D2	L
7001X04X10	0.669	7/16-20	0.172	M10X1.0	0.118	1.180
7001X04X12	0.748	7/16-20	0.172	M12X1.5	0.157	1.300
7001X04X14	0.748	7/16-20	0.172	M14X1.5	0.236	1.300
7001X06X14	0.748	9/16-18	0.297	M14X1.5	0.236	1.305
7001X06X16	0.866	9/16-18	0.297	M16X1.5	0.276	1.360
7001X06X18	0.945	9/16-18	0.297	M18X1.5	0.354	1.457
7001X08X16	0.866	3/4-16	0.391	M16X1.5	0.276	1.465
7001X08X18	0.945	3/4-16	0.391	M18X1.5	0.354	1.465
7001X08X22	1.063	3/4-16	0.391	M22X1.5	0.472	1.600
7001X10X18	0.945	7/8-14	0.484	M18X1.5	0.354	1.567
7001X10X22	1.063	7/8-14	0.484	M22X1.5	0.472	1.705
7001X12X22	1.063	1-1/16-12	0.609	M22X1.5	0.472	1.807
7001X12X27	1.260	1-1/16-12	0.609	M27X2.0	0.590	1.885
7001X16X33	1.614	1-5/16-12	0.846	M33X2.0	0.787	2.050

STRAIGHTS

MALE JIC TO MALE BSPP STRAIGHT

WWF PART # 7002

Industry Standard: 7002
Aeroquip: 2063
Gates: MBSP-MJ
Gates Global: G62300
Tompkins: 3820
Fittings Unlimited: BPP-MJ-2404



PART #	Y HEX	T1	D1	T2	D2	L
7002X02X04	0.748	7/16-20	0.172	1/4-19	0.248	1.260
7002X04X06	0.866	7/16-20	0.172	3/8-19	0.312	1.340
7002X06X04	0.748	9/16-18	0.297	1/4-19	0.188	1.260
7002X06X06	0.866	9/16-18	0.297	3/8-19	0.312	1.340
7002X06X08	1.063	9/16-18	0.297	1/2-14	0.438	1.437
7002X08X06	0.866	3/4-16	0.391	3/8-19	0.312	1.445
7002X08X08	1.063	3/4-16	0.391	1/2-14	0.438	1.600
7002X10X08	1.063	7/8-14	0.484	1/2-14	0.438	1.705
7002X10X10	1.180	7/8-14	0.484	5/8-14	0.562	1.860
7002X12X08	1.065	1-1/16-12	0.609	1/2-14	0.500	1.850
7002X12X12	1.260	1-1/16-12	0.609	3/4-14	0.658	1.965
7002X12X16	1.614	1-1/16-12	0.609	1-11	0.875	2.200
7002X16X16	1.614	1-5/16-12	0.846	1-11	0.875	2.250
7002X16X20	1.969	1-5/16-12	0.846	1-1/4-11	1.125	2.445
7002X20X20	1.969	1-5/8-12	1.078	1-1/4-11	1.200	2.492

MALE JIC TO FEMALE BSPP SWIVEL STRAIGHT

WWF PART # 7004

Industry Standard: 7004
Gates: FBSP-MJ
Gates Global: G62650
Tompkins: 3240
Fittings Unlimited: BPP-MJ-6510



PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
7004X04X02	0.472	0.551	7/16-20	0.172	1/8-28	0.138	1.312
7004X04X04	0.551	0.748	7/16-20	0.172	1/4-19	0.172	1.312
7004X06X04	0.669	0.748	9/16-18	0.297	1/4-19	0.178	1.340
7004X06X06	0.748	0.866	9/16-18	0.297	3/8-19	0.280	1.382
7004X08X08	0.866	1.063	3/4-16	0.391	1/2-14	0.391	1.700
7004X12X12	1.063	1.260	1-1/16-12	0.609	3/4-14	0.609	1.940

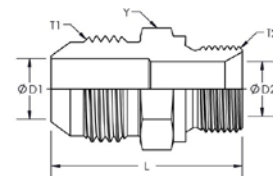
STRAIGHTS

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MALE JIC TO MALE METRIC STRAIGHT

WWF PART # 7005

Industry Standard: 7005



PART #	Y HEX	T1	D1	T2	D2	L
7005X04X10	0.551	7/16-20	0.172	M10X1.0	0.118	1.080
7005X04X12	0.748	7/16-20	0.172	M12X1.5	0.157	1.300
7005X04X14	0.748	7/16-20	0.172	M14X1.5	0.236	1.300
7005X06X12	0.748	9/16-18	0.297	M12X1.5	0.157	1.305
7005X06X14	0.748	9/16-18	0.297	M14X1.5	0.236	1.305
7005X06X16	0.866	9/16-18	0.297	M16X1.5	0.276	1.360
7005X06X18	0.945	9/16-18	0.297	M18X1.5	0.354	1.360
7005X08X12	0.748	3/4-16	0.391	M12X1.5	0.157	1.435
7005X08X14	0.748	3/4-16	0.391	M14X1.5	0.295	1.435
7005X08X16	0.866	3/4-16	0.391	M16X1.5	0.276	1.465
7005X08X22	1.063	3/4-16	0.391	M22X1.5	0.472	1.600
7005X10X22	1.063	7/8-14	0.484	M22X1.5	0.472	1.705
7005X12X22	1.063	1-1/16-12	0.609	M22X1.5	0.472	1.850
7005X12X27	1.260	1-1/16-12	0.609	M27X2.0	0.590	1.885

FEMALE JIC SWIVEL TO MALE BSPP STRAIGHT

WWF PART # 7022

Industry Standard: 7022

Parker: F642EDMXS

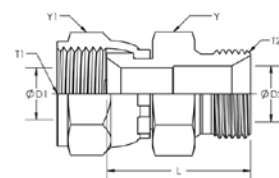
Aeroquip: FF4179

Gates: MBSPP-FJX

Gates Global: G62320

Tompkins: 3402

Fittings Unlimited: BPP-FJX-6505



PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
7022X04X04	0.748	0.563	7/16-20	0.172	1/4-19	0.185	1.024
7022X04X06	0.866	0.563	7/16-20	0.172	3/8-19	0.312	1.080
7022X06X04	0.748	0.688	9/16-18	0.297	1/4-19	0.185	1.100
7022X06X06	0.866	0.688	9/16-18	0.297	3/8-19	0.312	1.180
7022X08X08	1.063	0.875	3/4-16	0.391	1/2-14	0.438	1.380
7022X12X12	1.260	1.250	1-1/16-12	0.609	3/4-14	0.658	1.620

STRAIGHTS

FEMALE JIC SWIVEL TO FEMALE BSPP STRAIGHT

WWF PART # 7023

Industry Standard: 7023
Gates: FBSPPX-FJX
Gates Global: G62660
Tompkins: 3835
Fittings Unlimited: BPP-FJX-6565

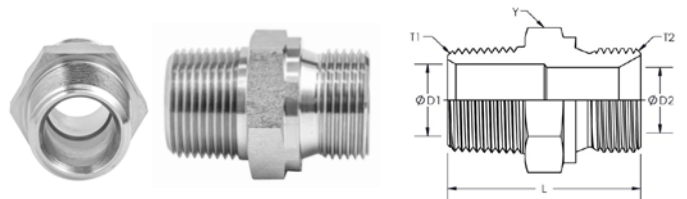


PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
7023X04X04	0.563	0.748	7/16-20	0.551	1/4-19	0.172	0.898
7023X06X06	0.688	0.866	9/16-18	0.630	3/8-19	0.281	1.020
7023X08X08	0.875	1.063	3/4-16	0.984	1/2-14	0.391	1.205
7023X12X12	1.250	1.260	1-1/16-12	1.180	3/4-14	0.609	1.180

MALE NPTF TO MALE BSPP STRAIGHT

WWF PART # 7032

Industry Standard: 7032
Parker: FMK4
Gates: MBSPP-MP
Gates Global: G62200
Tompkins: 3825
Fittings Unlimited: BPP-MP-5404



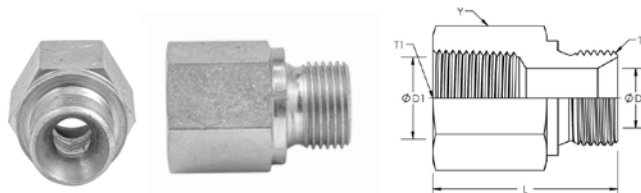
PART #	Y HEX	T1	D1	T2	D2	L
7032X02X02	0.551	1/8-27	0.188	1/8-28	0.138	0.915
7032X04X02	0.551	1/4-18	0.276	1/8-28	0.138	1.145
7032X04X04	0.748	1/4-18	0.276	1/4-19	0.185	1.285
7032X04X06	0.866	1/4-18	0.276	3/8-19	0.312	1.365
7032X06X06	0.866	3/8-18	0.406	3/8-19	0.312	1.365
7032X08X08	1.063	1/2-14	0.531	1/2-14	0.438	1.710
7032X08X12	1.260	1/2-14	0.531	3/4-14	0.658	1.870
7032X12X08	1.063	3/4-14	0.709	1/2-14	0.438	1.710
7032X12X12	1.260	3/4-14	0.709	3/4-14	0.658	1.870
7032X12X16	1.614	3/4-14	0.709	1-11	0.875	2.105

STRAIGHTS

FEMALE NPTF TO MALE BSPP STRAIGHT

WWF PART # 7042

Industry Standard: 7042
Parker: F4OHGS
Gates: MBSPP-FP
Gates Global: G62220
Tompkins: 3455
Fittings Unlimited: BPP-FP-5405

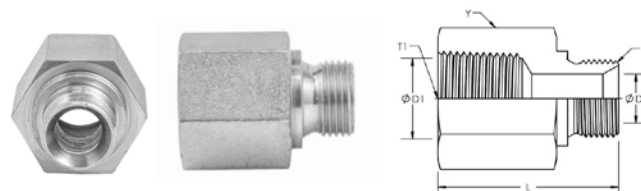


PART #	Y HEX	T1	D1	T2	D2	L
7042X04X02	0.748	1/4-18	0.438	1/8-28	0.138	1.126
7042X04X04	0.748	1/4-18	0.438	1/4-19	0.185	1.245
7042X06X06	0.866	3/8-18	0.563	3/8-19	0.312	1.335
7042X08X08	1.102	1/2-14	0.703	1/2-14	0.438	1.655

FEMALE NPTF TO MALE METRIC STRAIGHT

WWF PART # 7045

Industry Standard: 7045
Gates: MM-FP
Gates Global: G63120
Tompkins: 7455
Fittings Unlimited: M-FP-5405



PART #	Y HEX	T1	D1	T2	D2	L
7045X04X10	0.748	1/4-18	0.438	M10X1.0	0.157	1.125
7045X04X12	0.748	1/4-18	0.438	M12X1.5	0.236	1.285
7045X04X14	0.748	1/4-18	0.438	M14X1.5	0.297	1.285
7045X06X14	0.866	3/8-18	0.563	M14X1.5	0.297	1.340
7045X06X16	0.866	3/8-18	0.563	M16X1.5	0.354	1.335
7045X06X18	0.945	3/8-18	0.563	M18X1.5	0.433	1.418
7045X08X18	1.102	1/2-14	0.703	M18X1.5	0.433	1.575

STRAIGHTS

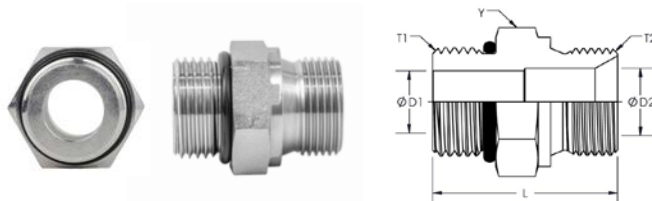
MALE ORB TO MALE BSPP STRAIGHT

WWF PART # 7062

Industry Standard: 7062

Tompkins: 3620

Fittings Unlimited: BPP-MB-6401



PART #	Y HEX	T1	D1	T2	D2	L
7062X04X04	0.748	7/16-20	0.172	1/4-19	0.172	1.067
7062X06X04	0.748	9/16-18	0.297	1/4-19	0.185	1.102
7062X06X06	0.866	9/16-18	0.297	3/8-19	0.297	1.180
7062X08X06	0.866	3/4-16	0.391	3/8-19	0.312	1.290
7062X08X08	1.063	3/4-16	0.391	1/2-14	0.438	1.380
7062X10X08	1.063	7/8-14	0.484	1/2-14	0.438	1.485
7062X12X12	1.260	1-1/16-12	0.609	3/4-14	0.658	1.735

MALE BSPP TO MALE BSPP NIPPLE

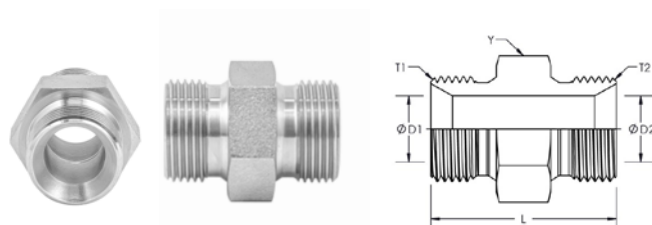
WWF PART # 9022

Industry Standard: 9022

Gates: MBSPP-MBSPP

Tompkins: 3420

Fittings Unlimited: BPP-5404



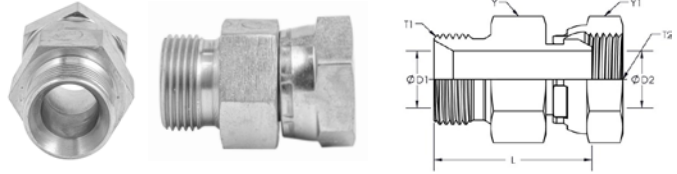
PART #	Y HEX	T1	D1	T2	D2	L
9022X02X02	0.551	1/8-28	0.138	1/8-28	0.138	0.825
9022X04X04	0.748	1/4-19	0.185	1/4-19	0.185	1.140
9022X06X06	0.866	3/8-19	0.312	3/8-19	0.312	1.260
9022X08X06	1.063	1/2-14	0.438	3/8-19	0.312	1.418
9022X08X08	1.063	1/2-14	0.438	1/2-14	0.438	1.495
9022X10X10	1.181	5/8-14	0.563	5/8-14	0.563	1.693
9022X12X12	1.260	3/4-14	0.658	3/4-14	0.658	1.730
9022X16X16	1.614	1-11	0.874	1-11	0.874	2.087

STRAIGHTS

MALE BSPP TO FEMALE SWIVEL STRAIGHT

WWF PART # **9024**

Industry Standard: 9024
Gates: MBSPP-FBSPPX
Gates Global: G64350
Tompkins: 3840
Fittings Unlimited: BPP-1404



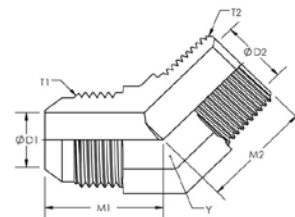
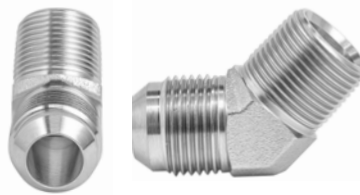
PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	L
9024X04X04	0.748	0.748	1/4-19	0.185	1/4-19	0.185	1.195
9024X06X06	0.866	0.866	3/8-19	0.312	3/8-19	0.312	1.300
9024X08X08	1.063	1.063	1/2-14	0.438	1/2-14	0.438	1.595
9024X12X12	1.260	1.260	3/4-14	0.658	3/4-14	0.658	1.750

ELBOWS

MALE JIC TO MALE BSPT 45° ELBOW

WWF PART # 7100

Industry Standard: 7100
Parker: V3MX
Aeroquip: GG210
Gates: MBSPT-MJ45
Gates Global: G62153
Tompkins: 3503
Fittings Unlimited: BST-MJ-2503

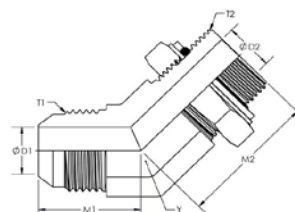


PART #	Y HEX	T1	M1	D1	T2	M2	D2
7100X04X02	0.438	7/16-20	0.720	0.172	1/8-28	0.642	0.188
7100X04X04	0.563	7/16-20	0.807	0.172	1/4-19	0.858	0.276
7100X06X04	0.563	9/16-18	0.830	0.297	1/4-19	0.858	0.276
7100X06X06	0.748	9/16-18	0.870	0.297	3/8-19	0.949	0.406
7100X08X06	0.748	3/4-16	0.980	0.391	3/8-19	0.949	0.406
7100X08X08	0.875	3/4-16	0.990	0.391	1/2-14	1.170	0.531
7100X10X08	0.875	7/8-14	1.110	0.484	1/2-14	1.170	0.531
7100X12X12	1.063	1-1/16-12	1.280	0.609	3/4-14	1.200	0.719

MALE JIC TO MALE BSPP 45° ELBOW

WWF PART # 7102

Industry Standard: 7102
Gates: MBSPP-MJ45
Gates Global: G62305
Tompkins: 3802
Fittings Unlimited: BPP-MJ-6802



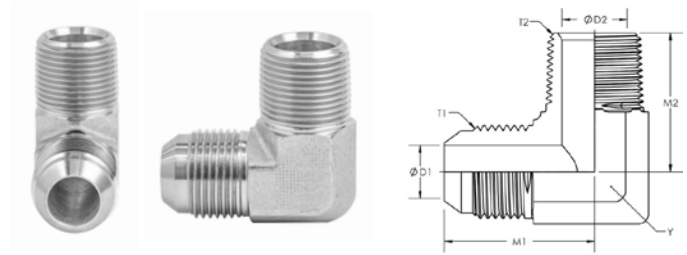
PART #	Y HEX	T1	M1	D1	T2	M2	D2
7102X04X04	0.551	7/16-20	0.819	0.173	1/4-19	1.142	0.295
7102X06X04	0.555	9/16-18	0.831	0.295	1/4-19	1.055	0.295
7102X06X06	0.748	9/16-18	0.866	0.295	3/8-19	1.299	0.390
7102X06X08	0.866	9/16-18	0.874	0.295	1/2-14	1.516	0.484
7102X08X06	0.748	3/4-16	0.980	0.390	3/8-19	1.299	0.390
7102X08X08	0.874	3/4-16	0.992	0.390	1/2-14	1.516	0.484
7102X10X08	0.870	7/8-14	1.110	0.484	1/2-14	1.520	0.484
7102X12X08	1.063	1-1/16-12	1.280	0.610	1/2-14	1.732	0.484
7102X12X12	1.063	1-1/16-12	1.280	0.610	3/4-14	1.732	0.610
7102X16X16	1.311	1-5/16-12	1.465	0.846	1-11	1.858	0.846
7102X20X20	1.626	1-5/8-12	1.748	1.083	1-1/4-11	1.909	1.083

ELBOWS

MALE JIC TO MALE BSPT 90° ELBOW

WWF PART # 7200

Industry Standard: 7200
Parker: C3MX
Aeroquip: GG310
Gates: MBSPT-MJ90
Gates Global: G62155
Tompkins: 3501
Fittings Unlimited: BST-MJ-2501

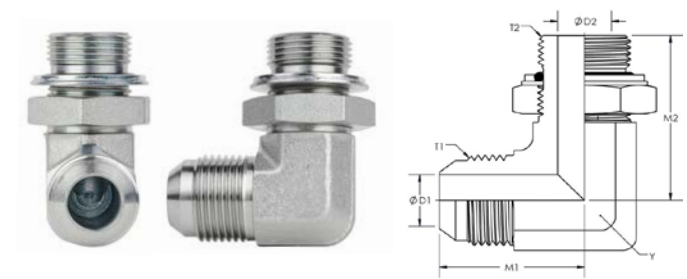


PART #	Y HEX	T1	M1	D1	T2	M2	D2
7200X04X02	0.438	7/16-20	0.890	0.172	1/8-28	0.780	0.188
7200X04X04	0.563	7/16-20	1.050	0.172	1/4-19	1.090	0.276
7200X06X04	0.563	9/16-18	1.060	0.297	1-4/19	1.090	0.276
7200X06X06	0.748	9/16-18	1.142	0.297	3/8-19	1.220	0.406
7200X08X06	0.748	3/4-16	1.252	0.391	3/8-19	1.220	0.406
7200X08X08	0.875	3/4-16	1.330	0.391	1/2-14	1.469	0.531
7200X12X12	1.063	1-1/16-12	1.660	0.609	3/4-14	1.590	0.719

MALE JIC TO MALE BSPP 90° ELBOW

WWF PART # 7202

Industry Standard: 7202
Parker: C4OMX
Aeroquip: GG306
Gates: MBSPP-MJ90
Gates Global: G62310
Tompkins: 3801
Fittings Unlimited: BPP-MJ-6801



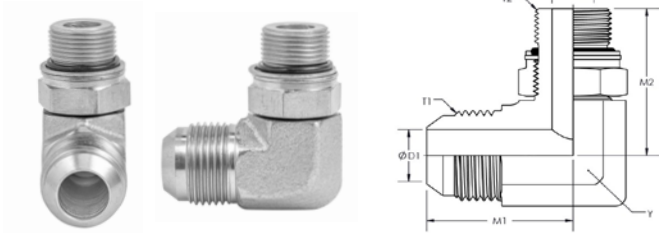
PART #	Y HEX	T1	M1	D1	T2	M2	D2	I.D.	W
7202X04X02	0.472	7/16-20	0.886	0.172	1/8-28	1.043	0.172	0.000	0.000
7202X04X04	0.551	7/16-20	0.933	0.172	1/4-19	1.260	0.297	0.000	0.000
7202X05X04	0.551	1/2-20	0.945	0.236	1/4-19	1.260	0.297	0.000	0.000
7202X06X04	0.551	9/16-18	1.063	0.297	1/4-19	1.260	0.297	0.000	0.000
7202X06X06	0.748	9/16-18	1.150	0.297	3/8-19	1.460	0.391	0.000	0.000
7202X06X08	0.866	9/16-18	1.230	0.297	1/2-14	1.695	0.484	0.000	0.000
7202X08X06	0.866	3/4-16	1.260	0.391	3/8-19	1.460	0.609	0.000	0.000
7202X08X08	0.866	3/4-16	1.340	0.391	1/2-14	1.695	0.484	0.000	0.000
7202X10X12	1.063	7/8-14	1.535	0.484	3/4-14	1.950	0.609	0.000	0.000
7202X12X08	1.063	1-1/16-12	1.655	0.609	1/2-14	1.950	0.484	0.000	0.000
7202X12X12	1.063	1-1/16-12	1.655	0.609	3/4-14	1.950	0.609	0.000	0.000
7202X12X16	1.312	1-1/16-12	1.760	0.609	1-11	2.050	0.846	1.700	0.118

ELBOWS

MALE JIC TO MALE METRIC ORB 90° ELBOW

WWF PART # 7205M

Aeroquip: GG308-NP
Gates: MM-MJ90
Gates Global: G63160
Fittings Unlimited: M-MJ-6801



PART #	Y HEX	T1	M1	D1	T2	M2	D2
7205X04X10M	0.472	7/16-20	0.886	0.172	M10X1.0	0.000	0.118
7205X04X12M	0.551	7/16-20	1.050	0.172	M12X1.5	0.000	0.157
7205X04X14M	0.551	7/16-20	1.050	0.172	M14X1.5	0.000	0.236
7205X06X12M	0.551	9/16-18	1.073	0.297	M12X1.5	0.000	0.157
7205X06X14M	0.551	9/16-18	1.073	0.297	M14X1.5	1.000	0.236
7205X06X16M	0.748	9/16-18	1.150	0.297	M16X1.5	1.120	0.276
7205X08X16M	0.748	3/4-16	1.260	0.391	M16X1.5	1.280	0.276
7205X08X18M	0.748	3/4-16	1.260	0.391	M18X1.5	1.145	0.354
7205X10X18M	0.866	7/8-14	1.455	0.484	M18X1.5	1.280	0.354
7205X10X22M	0.866	7/8-14	1.455	0.484	M22X1.5	1.435	0.472
7205X12X22M	1.063	1-1/16-12	1.655	0.609	M22X1.5	1.435	0.472
7205X12X27M	1.063	1-1/16-12	1.655	0.609	M27X2.0	1.450	0.590

**WORLD
WIDE**

TUBE END FABRICATED FITTINGS



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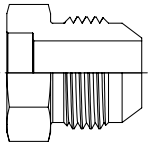
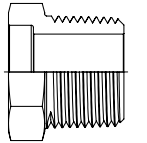
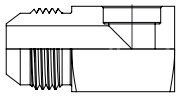
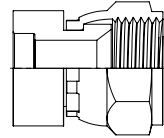
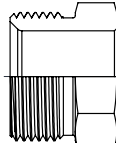
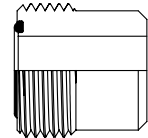
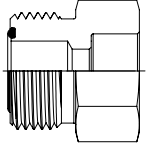
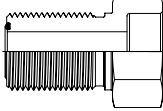
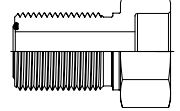
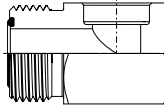
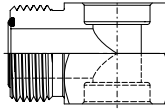
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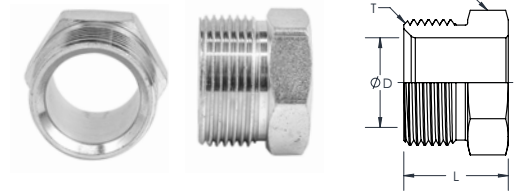
<p>0403</p>  <p>Male JIC Braze Connector</p>	<p>0404</p>  <p>Male Pipe Braze Connector</p>	<p>0500</p>  <p>JIC Braze Elbow Barstock</p>	<p>0900</p>  <p>Braze To 37° Female Swivel Union</p>	<p>105T</p>  <p>Inverted Flare Nut Trivalent Plating</p>	<p>4100</p>  <p>Male Braze Spud</p>
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NUTS & ACCESSORIES

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INVERTED FLARE NUT TRIVALENT PLATING

WWF PART # 105T



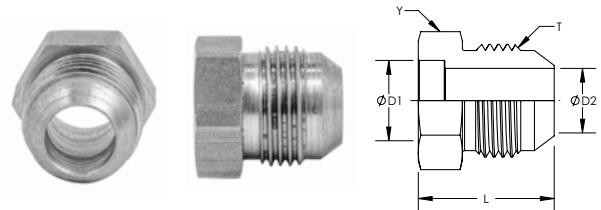
PART #	Y HEX	T	D	L
105X03T	0.370	3/8-24	0.194	0.560
105X04T	0.433	7/16-24	0.257	0.560
105X05T	0.495	1/2-20	0.319	0.620
105X06T	0.620	5/8-18	0.382	0.660
105X08T	0.745	3/4-18	0.506	0.740
105X10T	0.870	7/8-18	0.631	0.800

STRAIGHTS

MALE JIC BRAZE CONNECTOR

WWF PART # 0403

Industry Standard: 0403
Parker: XHB3
Aeroquip: 73014
Gates: MJ-FBO
Gates Global: G60405
Fittings Unlimited: Y-0403



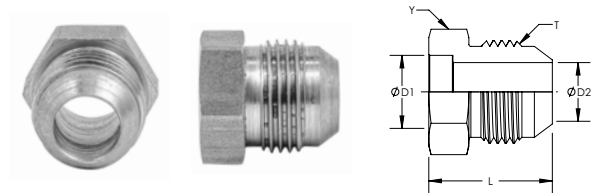
PART #	Y HEX	T	D1	D2	L
0403X04X04	0.500	7/16-20	0.256	0.172	0.800
0403X05X05	0.563	1/2-20	0.318	0.234	0.800
0403X06X04	0.500	9/16-18	0.381	0.172	0.800
0403X06X06	0.625	9/16-18	0.381	0.297	0.840
0403X06X08	0.813	3/4-16	0.381	0.297	0.940
0403X08X06	0.625	9/16-18	0.506	0.297	0.840
0403X08X08	0.813	3/4-16	0.506	0.391	0.940
0403X08X10	0.938	7/8-14	0.631	0.392	1.100
0403X10X08	0.813	3/4-16	0.631	0.391	0.940
0403X10X10	0.938	7/8-14	0.631	0.484	1.100
0403X12X12	1.125	1-1/16-12	0.757	0.609	1.280
0403X14X14	1.250	1-3/16-12	0.882	0.609	1.310
0403X16X16	1.375	1-5/16-12	1.007	0.844	1.330
0403X16X20	1.688	1-5/8-12	1.007	0.844	1.330
0403X20X16	1.375	1-5/16-12	1.258	0.844	1.330
0403X20X20	1.688	1-5/8-12	1.258	1.078	1.450
0403X24X24	2.000	1-7/8-12	1.508	1.313	1.650
0403X32X32	2.625	2-1/2-12	2.008	1.781	2.050

STRAIGHTS

MALE PIPE BRAZE CONNECTOR

WWF PART # 0404

Industry Standard: 0404
Air-Way: 404
Aeroquip: 73056
Fittings Unlimited: Y-0404

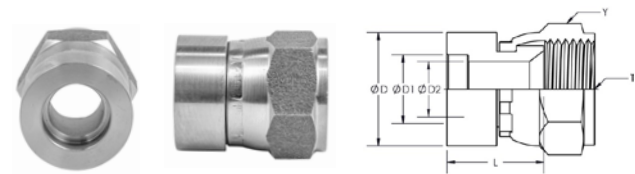


PART #	Y HEX	T	D	D1	L
0404X08X06	0.813	3/8-18	0.504	0.406	0.844
0404X12X12	1.125	3/4-14	0.756	0.610	1.094
0404X16X12	1.250	3/4-14	1.006	0.719	1.250
0404X16X16	1.375	1-11-1/2	1.006	1.313	1.313

BRAZE TO 37° FEMALE SWIVEL UNION

WWF PART # 0900

Industry Standard: 0900
Fittings Unlimited: Y-0900



PART #	Y HEX	T	D	D1	D2	L
0900X04X04	0.562	7/16-20	0.512	0.256	0.172	0.550
0900X06X06	0.687	9/16-18	0.630	0.375	0.297	0.730
0900X08X08	0.875	3/4-16	0.827	0.506	0.391	0.882
0900X10X10	1.000	7/8-14	0.945	0.628	0.484	0.904
0900X12X12	1.250	1-1/16-12	1.250	0.756	0.609	1.063
0900X16X16	1.500	1-5/16-12	1.500	1.008	0.844	0.910

MALE WELD SPUD

WWF PART # 4100

Fittings Unlimited: M-0319



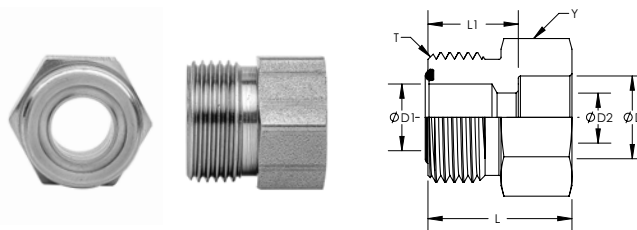
PART #	DIA.	T	D	L
4100X06	0.687	11/16-16	0.264	0.812
4100X08	0.811	13/16-16	0.374	0.890
4100X10	1.000	1-14	0.484	1.047
4100X12	1.187	1-3/16-12	0.609	1.141
4100X16	1.436	1-7/16-12	0.807	1.122
4100X20	1.686	1-11/16-12	1.024	1.122

STRAIGHTS

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ORFS BRAZE-ON STRAIGHT

WWF PART # 4315
SAE: 520104
Industry Standard: FS0403
Parker: LOHB3
Aeroquip: FF1851T
Tompkins: FF0403
Fittings Unlimited: Y-OFS-0403



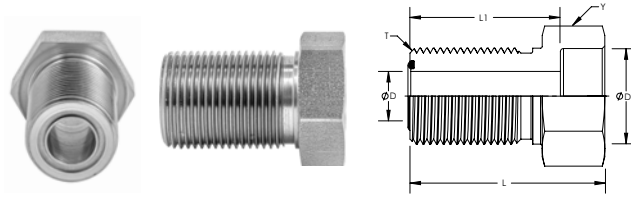
PART #	Y HEX	T	D	D1	D2	L1	L
4315X04X04	0.625	9/16-18	0.256	0.177	0.177	0.531	0.866
4315X04X05	0.625	9/16-18	0.318	0.177	0.177	0.531	0.866
4315X04X06	0.625	9/16-18	0.381	0.177	0.177	0.531	0.866
4315X06X05	0.750	11/16-16	0.316	0.217	0.217	0.571	0.905
4315X06X06	0.750	11/16-16	0.381	0.256	0.256	0.571	0.905
4315X06X08	0.750	11/16-16	0.506	0.256	0.256	0.571	0.905
4315X08X06	0.875	13/16-16	0.381	0.256	0.256	0.630	0.964
4315X08X08	0.875	13/16-16	0.506	0.374	0.374	0.630	0.964
4315X08X10	0.875	13/16-16	0.631	0.374	0.374	0.630	0.964
4315X08X12	1.063	13/16-16	0.757	0.374	0.374	0.630	1.130
4315X10X08	1.063	1-14	0.506	0.374	0.374	0.744	1.102
4315X10X10	1.063	1-14	0.631	0.492	0.492	0.748	1.102
4315X10X12	1.063	1-14	0.757	0.492	0.492	0.748	1.240
4315X10X16	1.500	1-14	1.007	0.492	0.492	0.964	1.516
4315X12X10	1.250	1-3/16-12	0.631	0.610	0.492	0.827	1.181
4315X12X12	1.250	1-3/16-12	0.757	0.610	0.610	0.827	1.319
4315X12X14	1.375	1-3/16-12	0.882	0.610	0.610	0.827	1.322
4315X12X16	1.250	1-3/16-12	1.007	0.610	0.610	0.827	1.378
4315X16X12	1.500	1-7/16-12	0.757	0.807	0.610	0.964	1.457
4315X16X16	1.500	1-7/16-12	1.007	0.807	0.807	0.964	1.516
4315X16X20	1.750	1-7/16-12	1.258	0.807	0.807	0.964	1.516
4315X20X20	1.750	1-11/16-12	1.258	1.024	1.024	0.964	1.516
4315X24X24	2.125	2-12	1.508	1.260	1.260	0.964	1.516

STRAIGHTS

MALE BRAZE BULKHEAD CONNECTOR

WWF PART # **4324**

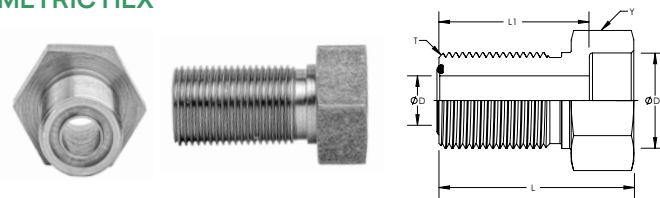
Industry Standard: FS0406



PART #	Y HEX	T	D	D1	L	L1
4324X06X06	1.000	11/16-16	0.256	0.381	1.720	1.468
4324X08X08	1.125	13/16-16	0.374	0.506	1.940	1.560
4324X10X10	1.312	1-14	0.484	0.631	2.060	1.730
4324X12X12	1.500	1-3/16-12	0.609	0.756	2.180	1.944
4324X16X16	1.750	1-7/16-12	0.811	1.007	2.488	1.937
4324X16X20	1.750	1-7/16-12	0.811	1.258	2.488	1.937
4324X20X20	2.000	1-11/16-12	1.024	1.189	2.429	1.878

MALE BRAZE BULKHEAD CONNECTOR - METRIC HEX

WWF PART # **4324MH**



PART #	Y HEX	T	D	D1	L	L1
4324X06X06MH	1.063	11/16-16	0.256	0.381	1.720	1.468
4324X08X08MH	1.181	13/16-16	0.374	0.506	1.940	1.560
4324X16X16MH	1.811	1-7/16-12	0.807	1.007	2.429	1.929

ELBOWS

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JIC BRAZE ELBOW BARSTOCK

WWF PART # 0500

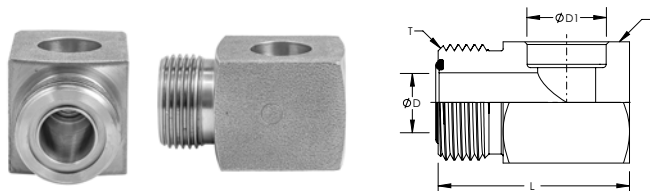
Industry Standard: 0500
Air-Way: 500
Tompkins: 500
Fittings Unlimited: 500



PART #	Y HEX	T1	D	D1	L
0500X04X04	0.500	7/16-20	0.172	0.256	1.140
0500X06X06	0.625	9/16-18	0.297	0.381	1.375
0500X08X08	0.812	3/4-16	0.391	0.506	1.656
0500X10X10	0.937	7/8-14	0.484	0.631	1.922
0500X12X12	1.125	1-1/16-12	0.609	0.757	2.219
0500X16X16	1.375	1-5/16-16	0.844	1.007	2.500

MALE BRAZE 90° ELBOW

WWF PART # 4514



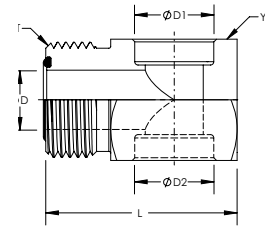
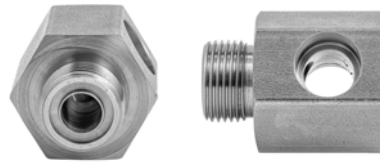
PART #	Y HEX	T	D	D1	L
4514X04X04	0.750	9/16-18	0.178	0.256	1.100
4514X06X06	0.750	11/16-16	0.264	0.379	1.437
4514X08X10	1.250	13/16-16	0.374	0.630	1.766
4514X10X10	1.312	1-14	0.484	0.630	1.860
4514X12X16	1.875	1-3/16-12	0.610	1.003	2.450
4514X16X16	1.875	1-7/16-12	0.807	1.003	2.470
4514X20X20	2.250	1-11/16-12	1.035	1.258	2.650

TEES

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MALE BRAZE BRANCH TEE

WWF PART # 4714



PART #	Y HEX	T	D	D1	D2	L
4714X06X06X06	0.813	42690	0.256	0.381	0.381	1.300
4714X08X08X08	1.000	13/16-16	0.374	0.504	0.504	1.488
4714X10X10X08	1.250	13/16-16	0.374	0.623	0.623	1.766
4714X12X12X12	1.500	1-3/16-12	0.610	0.753	0.753	2.100
4714X12X16X16	1.875	1-3/16-12	0.610	1.003	1.003	2.470
4714X16X16X16	1.875	1-7/16-12	0.807	1.003	1.003	2.470

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GAUGE PORT ADAPTERS



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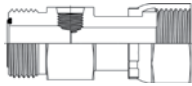
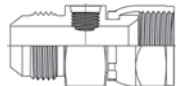
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TEES

ORFS GAUGE PORT BRANCH TEE WITH ORB PORT

WWF PART # FS6564

Industry Standard: FS6564

Air-Way: FF6564

Tompkins: GPFF2406-FB



PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	T3	L
FS6564X04X04X04	1.063	0.688	9/16-18	0.157	9/16-18	0.157	7/16-20	1.830
FS6564X06X06X04	1.063	0.813	11/16-16	0.256	11/16-16	0.256	7/16-20	1.950
FS6564X08X08X04	1.063	0.937	13/16-16	0.374	13/16-16	0.354	7/16-20	2.180
FS6564X10X10X04	1.125	1.125	1-14	0.492	1-14	0.453	7/16-20	2.400
FS6564X12X12X04	1.250	1.375	1-3/16-12	0.610	1-3/16-12	0.551	7/16-20	2.590
FS6564X16X16X04	1.500	1.625	1-7/16-12	0.807	1-7/16-12	0.807	7/16-20	2.850

JIC GAUGE PORT BRANCH TEE WITH ORB PORT

WWF PART # 6564

Industry Standard: 6564

Tompkins: GP6504-FB

Fittings Unlimited: Y-GP-6564



PART #	Y HEX	Y1 HEX	T1	D1	T2	D2	T3	L
6564X04X04X04	1.063	0.562	7/16-20	0.172	7/16-20	0.172	7/16-20	1.480
6564X06X06X04	1.063	0.687	9/16-18	0.297	9/16-18	0.297	7/16-20	1.571
6564X08X08X04	1.063	0.875	3/4-16	0.391	3/4-16	0.391	7/16-20	1.758
6564X10X10X04	1.125	1.000	7/8-14	0.484	7/8-14	0.484	7/16-20	1.902
6564X12X12X04	1.250	1.250	1-1/16-12	0.609	1-1/16-12	0.609	7/16-20	2.020
6564X16X16X04	1.500	1.500	1-5/16-12	0.844	1-5/16-12	0.844	7/16-20	2.250
6564X20X20X04	1.750	2.000	1-5/8-12	1.078	1-5/8-12	1.078	7/16-20	2.441
6564X24X24X04	2.125	2.250	1-7/8-12	1.311	1-7/8-12	1.311	7/16-20	2.500

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CAP & PLUG KITS



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CAP & PLUG KIT

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CAP & PLUG KIT 150 PCS

WWF PART # KIT-CAP&PLUG-150



PART #	Y HEX	T	D	Q	L	L1	L2
0304-C-04 - 4 PCS	0.563	7/16-20	0.172	0.531	0.594	0.000	0.000
0304-C-05 - 2 PCS	0.625	1/2-20	0.234	0.547	0.609	0.000	0.000
0304-C-06 - 4 PCS	0.688	9/16-18	0.297	0.563	0.625	0.000	0.000
0304-C-08 - 4 PCS	0.875	3/4-16	0.391	0.625	0.750	0.000	0.000
0304-C-10 - 2 PCS	1.000	7/8-14	0.484	0.719	0.844	0.000	0.000
0304-C-12 - 2 PCS	1.250	1-1/16-12	0.609	0.781	0.906	0.000	0.000
0304-C-16 - 2 PCS.	1.500	1-5/16-12	0.844	0.859	1.016	0.000	0.000
2408-04- 4 PCS	0.500	7/16-20	0.172	0.000	0.800	0.000	0.000
2408-05 - 2 PCS	0.563	1/2-20	0.234	0.000	0.800	0.000	0.000
2408-06 - 4 PCS	0.625	9/16-18	0.297	0.000	0.840	0.000	0.000
2408-08 - 4 PCS	0.813	3/4-16	0.391	0.000	0.940	0.000	0.000
2408-10 - 2 PCS	0.938	7/8-14	0.484	0.000	1.100	0.000	0.000
2408-12 - 2 PCS	1.125	1-1/16-12	0.609	0.000	1.280	0.000	0.000
2408-16 - 2 PCS	1.375	1-5/16-12	0.844	0.000	0.000	0.000	0.000
5406-C-02 - 4 PCS	0.000		0.000	0.000	0.000	0.000	0.000
5406-C-04 - 4 PCS	0.750	1/4-18	0.000	0.000	0.910	0.000	0.000
5406-C-06 - 4 PCS	0.875	3/8-18	0.000	0.000	1.030	0.000	0.000
5406-C-08 - 4 PCS	1.063	1/2-14	0.000	0.000	1.340	0.000	0.000
5406-C-12 - 4 PCS	1.250	3/4-14	0.000	0.000	1.440	0.000	0.000
5406-C-16 - 2 PCS	1.625	1-11-1/2	0.000	0.000	1.610	0.000	0.000
5406-P-02 - 4 PCS	0.438	1/8-27	0.000	0.000	0.568	0.000	0.000
5406-P-04 - 4 PCS	0.563	1/4-18	0.000	0.000	0.751	0.000	0.000
5406-P-06 - 4 PCS	0.688	3/8-18	0.000	0.000	0.782	0.000	0.000
5406-P-08 - 4 PCS	0.875	1/2-14	0.000	0.000	0.972	0.000	0.000
5406-P-12 - 4 PCS	1.063	3/4-14	0.000	0.000	1.064	0.000	0.000
5406-P-16 - 2 PCS	1.313	1-11-1/2	0.000	0.000	1.254	0.000	0.000
6408-04 - 4 PCS	0.563	7/16-20	0.000	0.000	0.670	0.000	0.000
6408-05 - 2 PCS	0.625	1/2-20	0.000	0.000	0.670	0.000	0.000
6408-06 - 4 PCS	0.688	9/16-18	0.000	0.000	0.730	0.000	0.000
6408-08 - 4 PCS	0.875	3/4-16	0.000	0.000	0.800	0.000	0.000
6408-10 - 4 PCS	1.000	7/8-14	0.000	0.000	0.930	0.000	0.000
6408-12 - 4 PCS	1.250	1-1/16-12	0.000	0.000	1.090	0.000	0.000
6408-16 - 2 PCS	1.500	1-5/16-12	0.000	0.000	1.120	0.000	0.000
FF304-C-04 - 4 PCS	0.688	9/16-18	0.000	0.000	0.661	0.354	0.000
FF304-C-06 - 4 PCS	0.813	11/16-16	0.000	0.000	0.740	0.413	0.000
FF304-C-08 - 4 PCS	0.938	13/16-16	0.000	0.000	0.866	0.472	0.000
FF304-C-10 - 4 PCS	1.125	1-14	0.000	0.000	1.024	0.531	0.000
FF304-C-12 - 4 PCS	1.375	1-3/16-12	0.000	0.000	1.122	0.590	0.000
FF304-C-16 - 2 PCS	1.625	1-7/16-12	0.000	0.000	1.161	0.630	0.000
FS2408-04 - 4 PCS	0.625	9/16-18	0.177	0.000	0.000	0.394	0.256
FS2408-06 - 4 PCS	0.750	11/16-16	0.256	0.000	0.000	0.433	0.315
FS2408-08 - 4 PCS	0.875	13/16-16	0.374	0.000	0.000	0.512	0.354
FS2408-10 - 3 PCS	1.063	1-14	0.492	0.000	0.000	0.610	0.413
FS2408-12 - 4 PCS	1.250	1-3/16-12	0.610	0.000	0.000	0.669	0.413
FS2408-16 - 2 PCS	1.500	1-7/16-12	0.807	0.000	0.000	0.689	0.413

CAP & PLUG KIT

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CAP & PLUG FACE SEAL KIT 100 PCS

WWF PART # KIT-CAPPLGFS100



PART #	Y HEX	T	D	L	L1	L2
FF304-C-04 - 8 PCS	0.688	9/16-18	0.000	0.661	0.354	0.000
FF304-C-06 - 8 PCS	0.813	11/16-16	0.000	0.740	0.413	0.000
FF304-C-08 - 8 PCS	0.938	13/16-16	0.000	0.866	0.472	0.000
FF304-C-10 - 8 PCS	1.125	1-14	0.000	1.024	0.531	0.000
FF304-C-12 - 8 PCS	1.375	1-3/16-12	0.000	1.122	0.590	0.000
FF304-C-16 - 4 PCS	1.625	1-7/16-12	0.000	1.161	0.630	0.000
FF304-C-20 - 4 PCS	1.875	1-11/16-12	0.000	1.161	0.630	0.000
FF304-C-24 - 2 PCS	2.250	2-12	0.000	1.161	0.630	0.000
FS2408-04 - 8 PCS	0.625	9/16-18	0.177	0.000	0.394	0.256
FS2408-06 - 8 PCS	0.750	11/16-16	0.256	0.000	0.433	0.315
FS2408-08 - 8 PCS	0.875	13/16-16	0.374	0.000	0.512	0.354
FS2408-10 - 8 PCS	1.063	1-14	0.492	0.000	0.610	0.413
FS2408-12 - 8 PCS	1.250	1-3/16-12	0.610	0.000	0.669	0.413
FS2408-16 - 4 PCS	1.500	1-7/16-12	0.807	0.000	0.689	0.413
FS2408-20 - 4 PCS	1.750	1-11/16-12	1.024	0.000	0.689	0.413
FS2408-24 - 2 PCS	2.125	2-12	1.260	0.000	0.689	0.413

CAP & PLUG JIC KIT 64 PCS

WWF PART # KIT-CAPPLGJIC64



PART #	Y HEX	T	D	Q	L
0304-C-04 - 10 PCS	0.563	7/16-20	0.172	0.531	0.594
0304-C-06 - 8 PCS	0.688	9/16-18	0.297	0.563	0.625
0304-C-08 - 6 PCS	0.875	3/4-16	0.391	0.625	0.750
0304-C-10 - 4 PCS	1.000	7/8-14	0.484	0.719	0.844
0304-C-12 - 2 PCS.	1.250	1-1/16-12	0.609	0.781	0.906
0304-C-16 - 2 PCS	1.500	1-5/16-12	0.844	0.859	1.016
2408-04 - 10 PCS	0.500	7/16-20	0.172	0.000	0.800
2408-06 - 8 PCS	0.625	9/16-18	0.297	0.000	0.840
2408-08 - 6 PCS	0.813	3/4-16	0.391	0.000	0.940
2408-10 - 4 PCS	0.938	7/8-14	0.484	0.000	1.100
2408-12 - 2PCS	1.125	1-1/16-12	0.609	0.000	1.280
2408-16 - 2 PCS.	1.375	1-5/16-12	0.844	0.000	0.000

O-RING KIT

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O-RING KIT

WWF PART #

KIT-ORING1



PART #	Y HEX	T
210 - 20 PCS	0.734	0.139
214 - 20 PCS	0.984	0.139
219 - 20 PCS	1.296	0.139
222 - 20 PCS	1.484	0.139
225 - 20 PCS	1.859	0.139
228 - 10 PCS	2.234	0.139
232 - 10 PCS	2.734	0.139
4000-04 - 30 PCS	0.351	0.072
4000-05 - 30 PCS	0.414	0.072
4000-06 - 30 PCS	0.468	0.078
4000-08 - 30 PCS	0.644	0.087
4000-10 - 30 PCS	0.755	0.097
4000-12 - 30 PCS	0.924	0.116
4000-14 - 30 PCS	1.048	0.116
4000-16 - 30 PCS	1.171	0.116
4000-20 - 10 PCS	1.475	0.118
4000-24 - 10 PCS	1.720	0.118
4000-32 - 10 PCS	2.337	0.118
4629X04 - 30 PCS	0.000	0.000
4629X06 - 30 PCS	0.000	0.000
4629X08 - 30 PCS	0.000	0.000
4629X10 - 30 PCS	0.000	0.000
4629X12 - 30 PCS	0.000	0.000
4629X16 - 30 PCS	0.000	0.000
4629X20 - 30 PCS	0.000	0.000
4629X24 - 30 PCS	0.000	0.000

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