

Hydraport Hydraulics



QUICK REFERENCE PRODUCT GUIDE

HYDRAULIC ADAPTERS

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THREAD CHARTS • JIC-SAE • Metric/International

Dash Size	Tube O.D.	Hose I.D.	JIC 37° Flare Thread	SAE O-Ring Boss Thread	NPTF National Pipe Tapered Fuel Thread	NPSM Straight Mechanical Thread	O-ring Face Seal Thread	Code 61 Flange O.D.	Code 62 Flange O.D.	British Standard Pipe BSPP/BSPT	Metric Dash Size	DIN Metric Thread	Komatsu & or GAZ French
2	1/8	1/8	5/16-24	5/16-24	1/8-27	1/8-27				1/8-28	12	M12x1.5	
3	3/16	3/16	3/8-24	3/8-24							14	M14x1.5	
4	1/4	1/4	7/16-20	7/16-20	1/4-18	1/4-18	9/16-18			1/4-19	16	M16x1.5	
5	5/16	5/16	1/2-20	1/2-20							18	M18x1.5	M18x1.5
6	3/8	3/8	9/16-18	9/16-18	3/8-18	3/8-18	11/16-16			3/8-19	20	M20x1.5	M20x1.5
7	7/16										22	M22x1.5	M22x1.5
8	1/2	1/2	3/4-16	3/4-16	1/2-14	1/2-14	13/16-16	1.19	1.25	1/2-14	24	M24x1.5	M24x1.5
10	5/8	5/8	7/8-14	7/8-14			1-14	1.335		5/8-14	26	M26x1.5	
12	3/4	3/4	1½G-12	1½G-12	3/4-14	3/4-14	1½G-12	1.50	1.62	3/4-14	30	M30x2.0	M30x1.5
14	7/8		1½G-12	1½G-12							33	M33x2.0	M33x1.5
16	1	1	1½G-12	1½G-12	1-11½	1-11½	1½G-12	1.75	1.88	1-11	36	M36x2.0	M36x1.5
20	1¼	1¼	15/8-12	15/8-12	1¼-11½	1¼-11½	1½G-12	2.00	2.12	1¼-11	42	M42x2.0	M42x1.5
24	1½	1½	F/5-12	F/5-12	1½-11½	1½-11½	2-12	2.38	2.50	1½-11	45	M45x2.0	M45x1.5
32	2	2	2½-12	2½-12	2-11½	2-11½		2.81	3.12	2-11	52	M52x2.0	M52x1.5
40	2½	2½	3-12		2½-8			3.31					
48	3	3	3½-12		3-8			4.00					

ABBREVIATION CODES

AORB: Adjustable O-ring Boss

B: Brass Alloy (2404-04-04-B)

BHLN: Bulk Head Lock Nut

BSPP: British Standard Pipe Parallel
(G Thread)

BSPPS: British Standard Pipe Parallel Swivel

BSPT: British Standard Pipe Taper (R Thread)

BULN: Back-up Lock Nut

BW: Butt Weld

C: Cap (0304-C-08)

E: Extra Light (Metric Adapters)

FBSPP: Female British Standard Pipe Parallel

FBSPT: Female British Standard Pipe
Tapered

FBSPPS: Female British Standard
Pipe Parallel Swivel

FFS: Female Face Seal

FFSS: Female Face Seal Swivel

FG: Forging

FJ: Female J.I.C.

FJIS: Female J.I.S.

FJS: Female J.I.C. Swivel

FMS: Female Metric Swivel

DIN: Metric Bite Type

FORB: Female O-ring Boss

FP: Female Pipe

FPS: Female Pipe Swivel

FS: Face Seal

H: Hollow Hex O-ring Plug

HB: Hose Barb

HP: Hollow Hex Pipe Plug (5406-HP-04)

L: Light (7005-12-L15-22)

L: Long (6400-L-12-12)

LH: Large Hex (2403-LH-12-08)

LL: Extra Long Drop (2404-LL-08-06)

MAORB: Male Adjustable O-ring Boss

MBSPP: Male British Standard Pipe Parallel

MBSPPADJ: Male British Standard Pipe
Parallel Adjustable

MBSPPAORB: Male British Standard Pipe Parallel
Adjustable O-ring Boss

MBSPT: Male British Standard Pipe Tapered

MFS: Male Face Seal

MJ: Male J.I.C.

MJIS: Male J.I.S.

MM: Male Metric

MMADJ: Male Metric Adjustable

MMAORB: Male Metric Adjustable O-ring
Boss used with ISO 6149

MMORR: Male Metric O-Ring and
Retaining Ring

MORB: Male O-ring Boss

MP: Male Pipe

MS: Metric Swivel

N: Extended Length (5404-N-04x0.875)

N: Locknut for Assembly

ORB: O-Ring Boss

PL: Push Lock

P: Plug (5406-P-06)

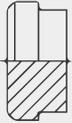
S: Heavy (7005-04-S08-16)

SHP: Square Head Plug

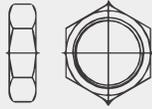
SS: Stainless Steel Alloy

TS: Tube Spud (0403-TS-08-08)

O-RING FACE SEAL FITTINGS



FS0304-C
Cap Assembly Insert



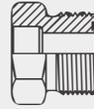
FS0306
Bulkhead Lock Nut



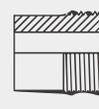
FS0318
Nut



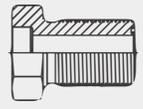
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Sleeve



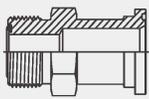
FS0403
Bore-MFS Straight



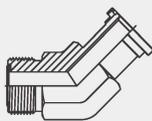
FS0403-TS
Face Seal Spud



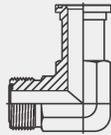
FS0406
Bore-MFS Bulkhead



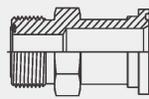
FS1700
MFS-Flange Straight Code 61



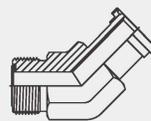
FS1703
MFS-Flange 45° Code 61



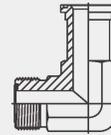
FS1704
MFS-Flange 90° Code 61



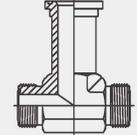
FS1800
MFS-Flange Straight Code 62



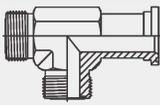
FS1803
MFS-Flange 45° Code 62



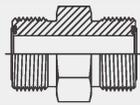
FS1804
MFS-Flange 90° Code 62



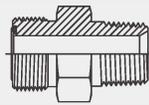
FS1805
MFS-MFS-Flange Tee Code 62



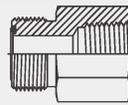
FS1806
MFS-Flange Tee Code 62-MFS



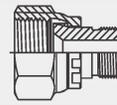
FS2403
MFS-MFS Straight



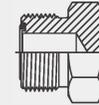
FS2404
MFS-MP Straight



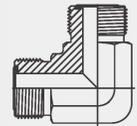
FS2405
MFS-FP Straight



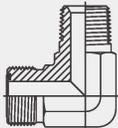
FS2406
FFS-MFS Tube End Reducer



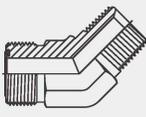
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MFS Plug



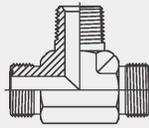
FS2500
MFS-MFS 90°



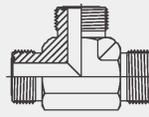
FS2501
MFS-MP 90°



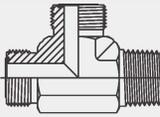
FS2503
MFS-MP 45°



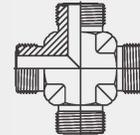
FS2601
MFS-MFS-MP Tee



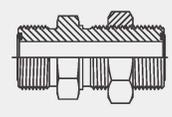
FS2603
MFS-MFS-MFS Tee



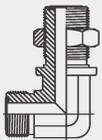
FS2605
MFS-MP-MFS Tee



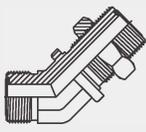
FS2650
MFS-MFS-MFS-MFS Cross



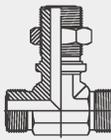
FS2700*
MFS-MFS Bulkhead Union



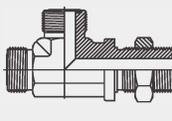
FS2701*
MFS-MFS Bulkhead 90°



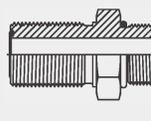
FS2702*
MFS-MFS Bulkhead 45°



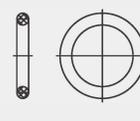
FS2703*
MFS-MFS-MFS Bulkhead Tee



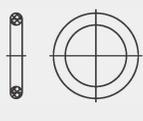
FS2704*
MFS-MFS-MFS Bulkhead Tee



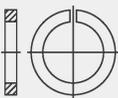
FS2764
FS Bulkhead-MORB Straight



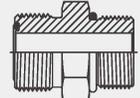
FS4000
Buna O-ring



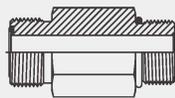
FS4001
Viton O-ring



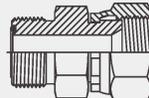
FS6001
Silver Braze Ring



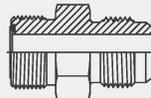
FS6400
MFS-MORB Straight



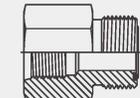
FS6400-L
MFS-MORB Straight Long



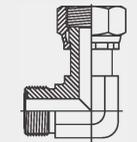
FS6402
MFS-FJS Straight



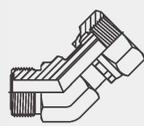
FS6403
MFS-MJ Straight



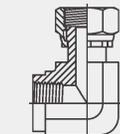
FS6410
FORB-MFS



FS6500
MFS-FFSS 90°



FS6502
MFS-FFSS 45°



FS6503
FP-FFSS 90°



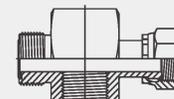
FS6504
FFS-MJ Straight



FS6505
MP-FFSS Straight



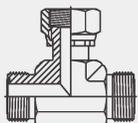
FS6540
FFS-MORB Straight



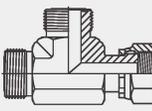
FS6564
MFS-FFSS-FORB Tee



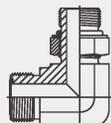
FS6565
FFS-FFSS Straight



FS6600
MFS-MFS-FFSS Branch Tee



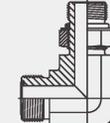
FS6602
MFS-FFSS-MFS Run Tee



FS6801
MFS-MAORB 90°



FS6801-L
MFS-MAORB 90° Long



FS6801-LL
MFS-MAORB 90°X Long

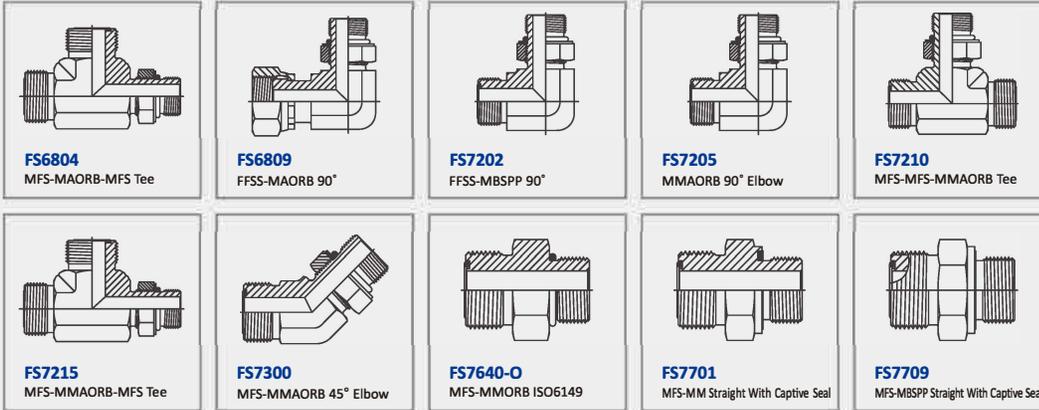


FS6802
MFS-MAORB 45°

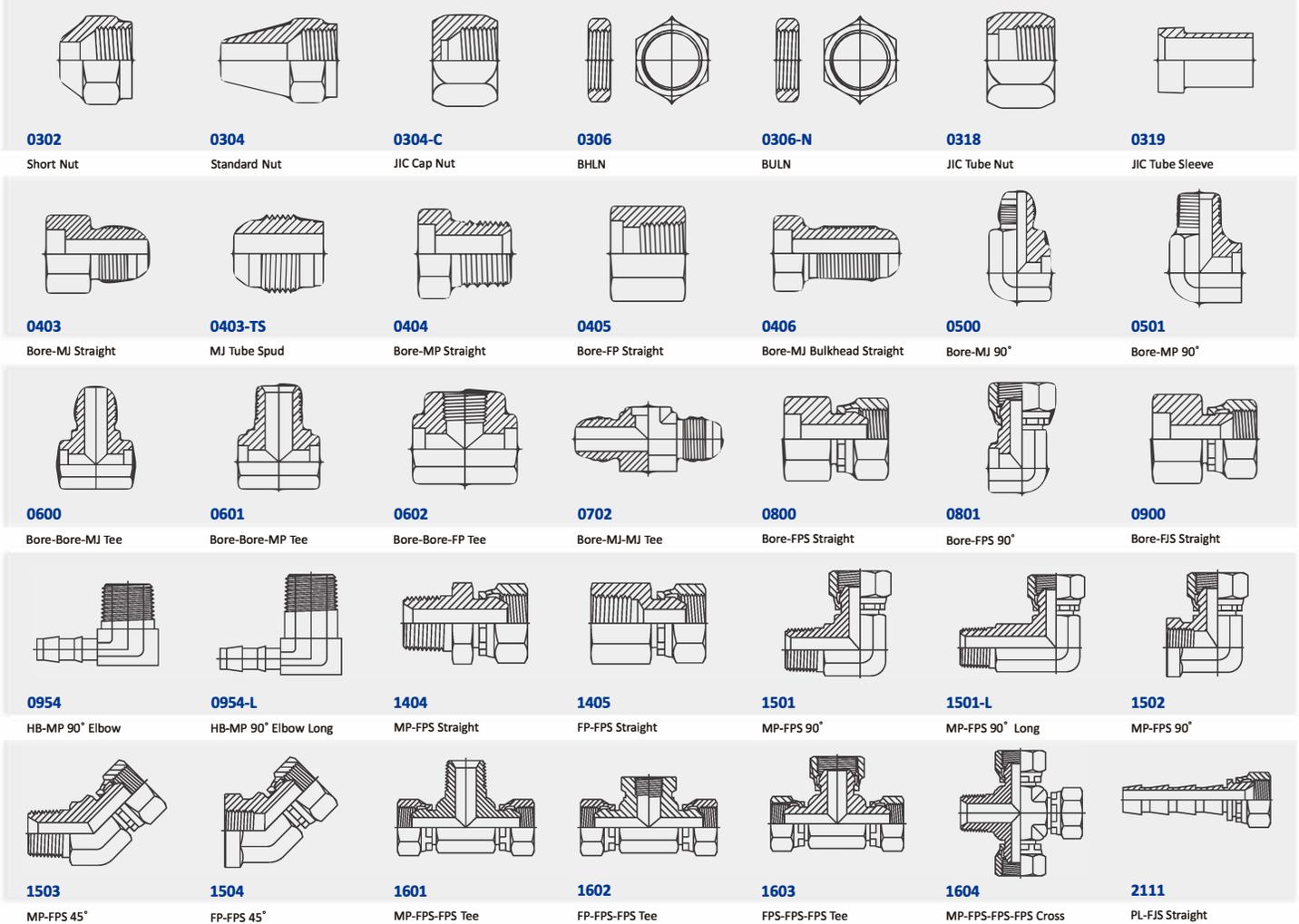


FS6803
MFS-MFS-MAORB Tee

O-RING FACE SEAL FITTINGS



TUBE FITTINGS & ADAPTERS



TUBE FITTINGS & ADAPTERS



2112
PL-FSAES Straight



2113
PL-MP Straight



2114
PL-FIF Straight



2115
PL-MIFS Straight



2116
PL-MSAE Straight



2117
PL-Stem Straight



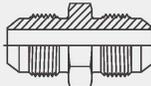
2118
PL-PL Straight



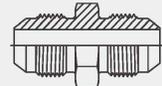
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PL-FP Straight



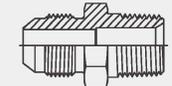
2120
PL-MJ 90° Elbow



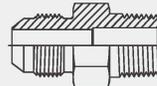
2403
MJ-MJ Straight



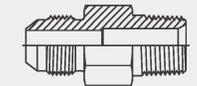
2403-LH
MJ-MJ Straight Large Hex



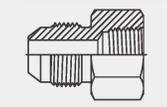
2404
MJ-MP Straight



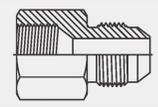
2404-L
MJ-MP Straight Long



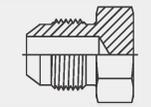
2404-LL
MJ-MP Straight X-Long



2405
MJ-FP Straight



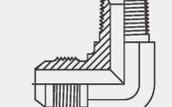
2406
FJ-MJ Straight Reducer



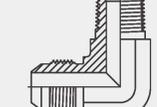
2408
MJ Plug



2500
MJ-MJ 90°



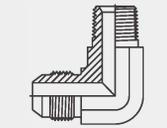
2501
MJ-MP 90°



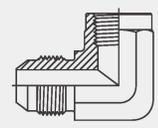
2501-L
MJ-MP 90° Long



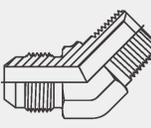
2501-LL
MJ-MP 90° X-Long



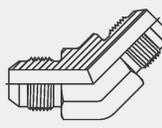
2501-LLL
MJ-MP 90° XX-Long



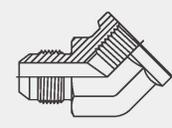
2502
MJ-FP 90°



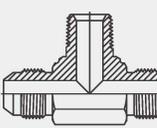
2503
MJ-MP 45°



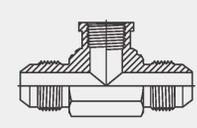
2504
MJ-MJ 45°



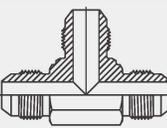
2505
MJ-FP 45°



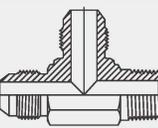
2601
MJ-MJ-MP Tee



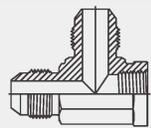
2602
MJ-MJ-FP Tee



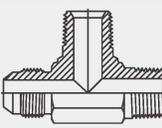
2603
MJ-MJ-MJ Tee



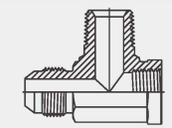
2605
MJ-MP-MJ Tee



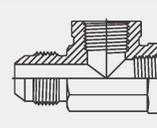
2606
MJ-FP-MJ Tee



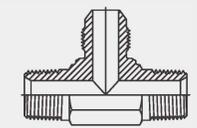
2607
MJ-MP-MP Tee



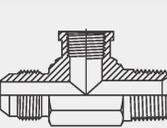
2608
MJ-FP-MP Tee



2609
MJ-FP-FP Tee



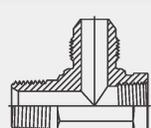
2610
MP-MP-MJ Tee



2611
MJ-MP-FP Tee



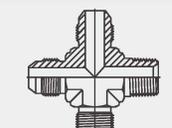
2612
FP-FP-MJ Tee



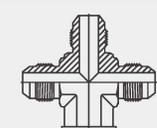
2613
MP-FP-MJ Tee



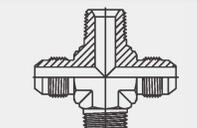
2650
MJ-MJ-MJ-MJ Cross



2651
MJ-MP-MJ-MJ Cross



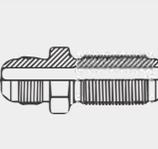
2652
MJ-MJ-MJ-FP Cross



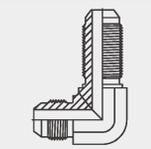
2653
MJ-MJ-MP-MP Cross



2654
MJ-MP-MJ-MP Cross



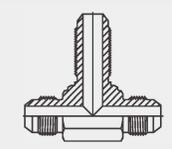
2700
MJ-MJ Bulkhead Straight



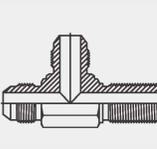
2701
MJ-MJ Bulkhead 90°



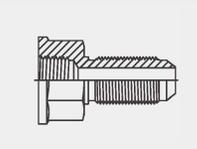
2702
MJ-MJ Bulkhead 45°



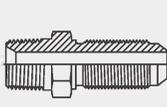
2703
MJ-MJ-MJ Bulkhead Branch Tee



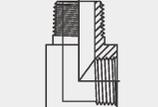
2704
MJ-MJ-MJ Bulkhead Run Tee



2705
FP-MJ Bulkhead Straight



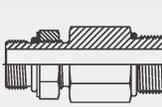
2706
MP-MJ Bulkhead Straight



3051
MJ-FP Low Profile 90°



3474
MAORB-ORB Straight



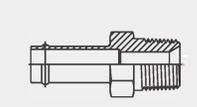
3474-LLL
MAORB-ORB XX-Long Straight



4000
Buna O-ring

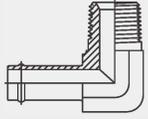


4001
Viton O-ring

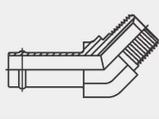


4404
HB-MP Straight

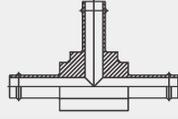
TUBE FITTINGS & ADAPTERS



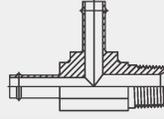
4501
HB-MP 90°



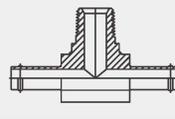
4503
HB-MP 45°



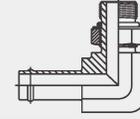
4504
HB-HB-HB Tee



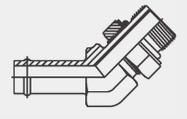
4505
HB-MP-HB Tee



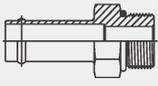
4506
HB-HB-MP Tee



4601
HB-MAORB 90°



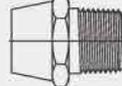
4603
HB-MAORB 45°



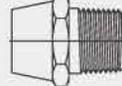
4604-O
HB-MORB Straight



5000
FP-FP Straight



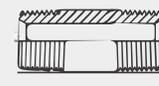
5304
MP-BW Weld-on Fitting 304SS



5316
MP-BW Weld-on Fitting 316SS



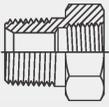
5404
MP-MP Hex Nipple



5404-N
MP-MP Straight Nipple Long



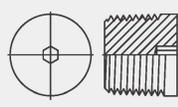
5405
MP-FP Straight Expander



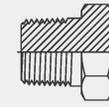
5406
MP-FP Reducer Bushing



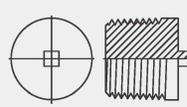
5406-C
Pipe Cap



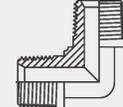
5406-HP
Hollow Hex Pipe Plug



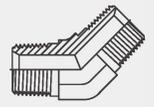
5406-P
External Hex Pipe Plug



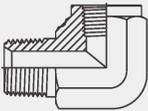
5406-SHP
Square Head Pipe Plug



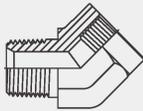
5500
HB-MP 90° Elbow



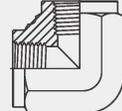
5501
MP-MP 45°



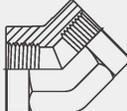
5502
MP-FP 90° Street Elbow



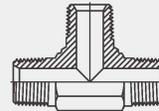
5503
MP-FP 45° Street Elbow



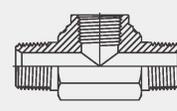
5504
FP-FP 90° Street Elbow



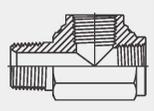
5505
FP-FP 45°



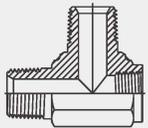
5600
MP-MP-MP Tee



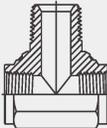
5601
MP-MP-FP Tee



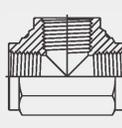
5602
MP-FP-FP Street Tee



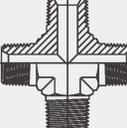
5603
MP-FP-MP Tee



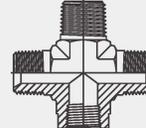
5604
FP-FP-MP Branch Tee



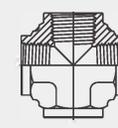
5605
FP-FP-FP Tee



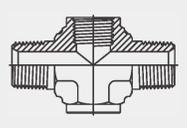
5650
MP-MP-MP Cross



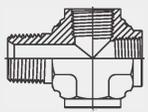
5651
MP-MP-MP-FP Cross



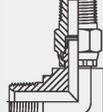
5652
FP-FP-FP-FP Cross



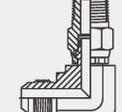
5653
MP-MP-FP-FP Cross



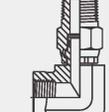
5655
MP-FP-FP-FP Cross



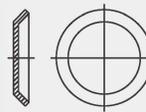
5700
MP-MPS 90°



5701
MJ-MPS 90°



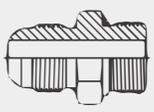
5702
FP-MPS 90°



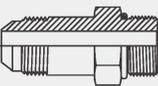
6000
Back-Up Washer



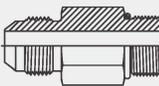
6316
FJS-Weld Straight



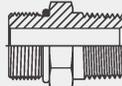
6400
MJ-MORB Straight



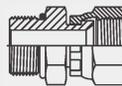
6400-L
MJ-MORB Straight Long



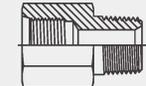
6400-LL
MJ-MORB XX Long Hex



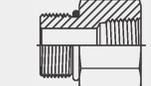
6401
MORB-MP Straight



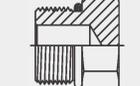
6402
MORB-FJS Straight



6404
FORB-MP Straight



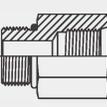
6405
MORB-FP Straight



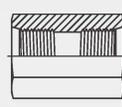
6408
MORB External Hex Plug



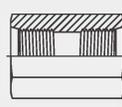
6408-H
MORB External Hex Plug



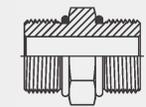
6410
MORB-FORB Straight Reducer



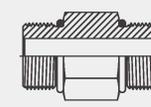
6420
FORB-FP Straight



6425
FORB-FORB Straight



6464
MORB-MORB Straight

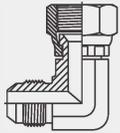


6464-L
MORB-MORB Long Straight

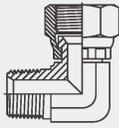


6500
MJ-FJS 90°

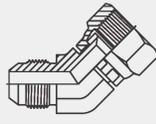
TUBE FITTINGS & ADAPTERS



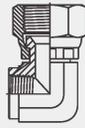
6500-L
MJ-FJS 90° Long



6501
MP-FJS 90°



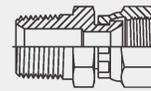
6502
MJ-FJS 45°



6503
FP-FJS 90°



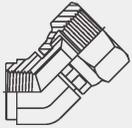
6504
MJ-FJS Straight



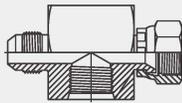
6505
MP-FJS Straight



6506
FP-FJS Straight



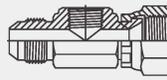
6507
FP-FJS 45°



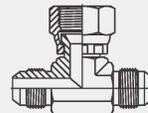
6564
Test Point MJ-FJS
Straight w/04 FORB in HEX



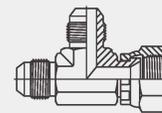
6565
FJS-FJS Straight



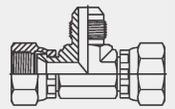
6574
Test Point MJ-FJS
Straight w/04 FP in HEX



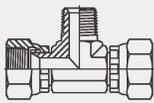
6600
MJ-MJ-FJS Tee



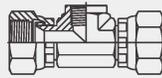
6602
MJ-FJS-MJ Tee



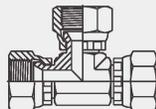
6603
FJS-FJS-MJ Tee



6604
FJS-FJS-MP Tee



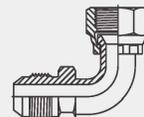
6605
FJS-FJS-FP Tee



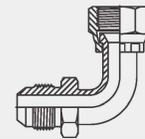
6606
FJS-FJS-FJS Tee



6660
FORB-FORB-FORB Tee



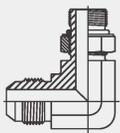
6701
MJ-FJS Swept 90°



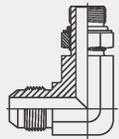
6701-L
MJ-FJS Swept 90° Long



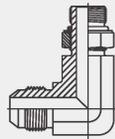
6801
MJ-MAORB 90°



6801-L
MJ-MAORB 90° Long



6801-LL
MJ-MAORB 90° X-Long



6801-LLL
MJ-MAORB 90° XX-Long



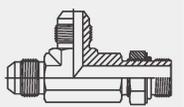
6802
MJ-MAORB 45°



6803
MJ-MJ-MAORB Branch Tee



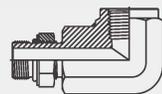
6804
MJ-MAORB-MJ Run Tee



6804-L
MJ-MAORB-MJ Long Tee



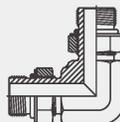
6805
MAORB-FP 90°



6805-L
MAORB-FP 90° Long



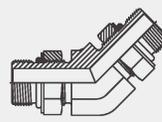
6806
MAORB-MP 90°



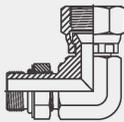
6807
MAORB-MAORB 90°



6807-LL
MAORB-MAORB 90° X-Long



6808
MAORB-MAORB 45°



6809
MAORB-FJS 90°



6810
MAORB-FJS 45°



6815
MAORB-FORB 90°



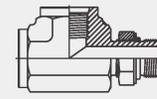
6818
FORB-MAORB 45°



6820
FORB-MAORB-MJ Tee



6832
FORB-FORB-MAORB Tee



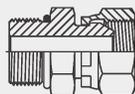
6835
MAORB-FORB-FORB Tee



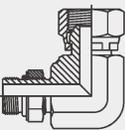
6840
MAORB-MAORB-MJ Tee



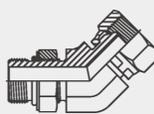
6850
MJ-MJ-MAORB-MJ Cross



6900
MORB-FPS Straight



6901
MAORB-FPS 90°



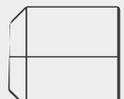
6902
MAORB-FPS 45°



6911
FPS-FPS-MAORB Tee

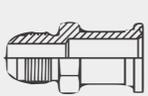


V0318
JIC-Flareless Nut

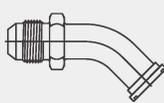


V0319
JIC-Flareless Sleeve

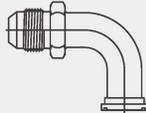
HYDRAULIC FLANGES / ACCESSORIES



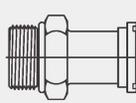
1700
MJ-Flange Straight Code 61



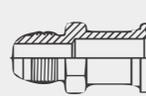
1703
MJ-Flange 45° Code 61



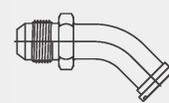
1704
MJ-Flange 90° Code 61



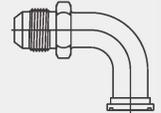
1710
MORB-Flange Straight Code 61



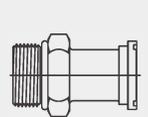
1800
MJ-Flange Straight Code 62



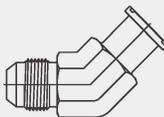
1803
MJ-Flange 45° Code 62



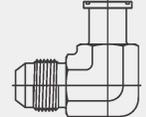
1804
MJ-Flange 90° Code 62



1810
MORB-Flange Straight Code 62



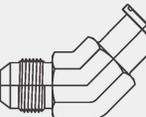
1703FG
MJ-Flange 45° Code 61



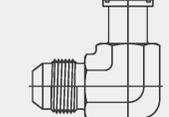
1704FG
MJ-Flange 90° Code 61



1724
Flange Plug Code 61



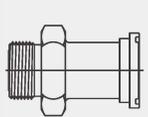
1803FG
MJ-Flange 45° Code 62



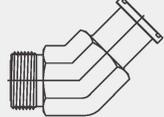
1804FG
MJ-Flange 90° Code 62



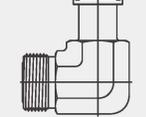
1824
Flange Plug Code 62



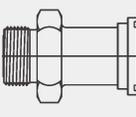
FS1700
MFS-Flange Straight Code 61



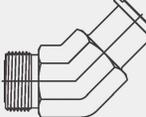
FS1703
MFS-Flange 45° Code 61



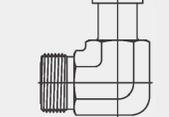
FS1704
MFS-Flange 90° Code 61



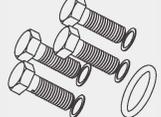
FS1800
MFS-Flange Straight Code 62



FS1803
MFS-Flange 45° Code 62



FS1804
MFS-Flange 90° Code 62



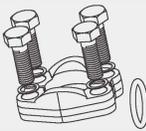
1900-61
Hex Head Mounting Kit



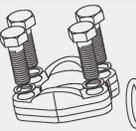
1900-62
Hex Head Mounting Kit



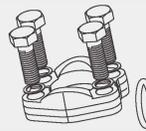
1900-M
Hex Head Mounting Kit Metric



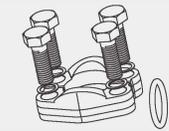
1901
Split Flange Kit Code 61



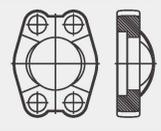
1901-M
Split Flange Kit Code 61
(Metric Bolt Holes)



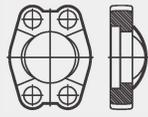
1902
Split Flange Kit Code 62



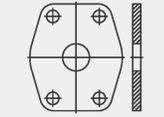
1902-M
Split Flange Kit Code 62
(Metric Bolt Holes)



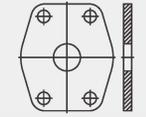
1903/1904-61
Captive Flange



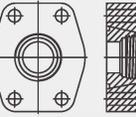
1903/1904-62
Captive Flange



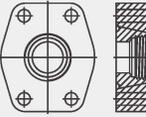
1914-61
Connector Plate



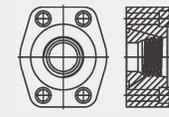
1914-62
Connector Plate



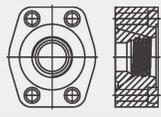
1927/1928-61
NPTF Port Block



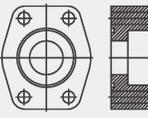
1927/1928-62
NPTF Port Block



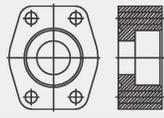
1929/1930-61
SAE Port Block



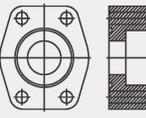
1929/1930-62
SAE Port Block



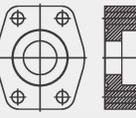
1933/1934
Flat Socket Block-Pipe 500 psi



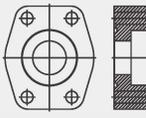
1935/1936-61
Flat Socket Block - Pipe



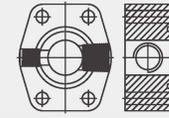
1935/1936-62
Flat Socket Block - Pipe



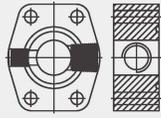
1937/1938-61
Flat Socket Block - Tube



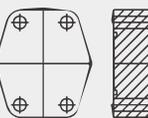
1937/1938-62
Flat Socket Block - Tube



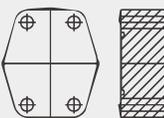
1940-61
Gauge Port Spacer



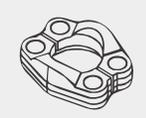
1940-62
Gauge Port Spacer



1942/1943-61
Plug Block



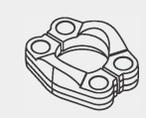
1942/1943-62
Plug Block



1951-61
Split Flange



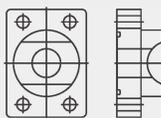
1951-H
Flange Half



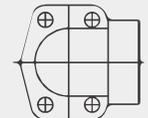
1952-62
Split Flange



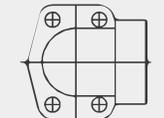
1952-H
Flange Half



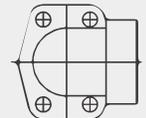
1959-P
Saddle Connector



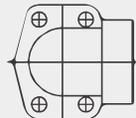
1965-61
SAE Elbow



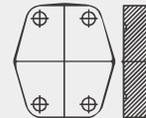
1965-62
SAE Elbow



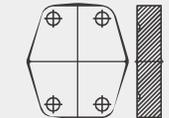
1967-61
NPTF Elbow



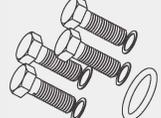
1967-62
NPTF Elbow



1979-61
Shipping Plate

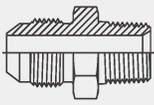


1979-62
Shipping Plate

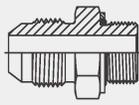


1990-61
Socket Head Mounting Kit

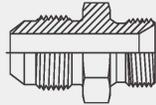
CONVERSION ADAPTERS



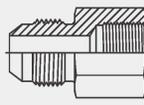
7000
MJ-MBSPT



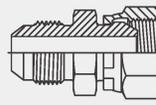
7001
MJ-MMORR



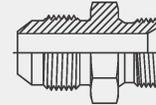
7002
MJ-MBSPP



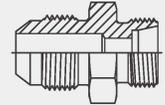
7003
MJ-FBSPP



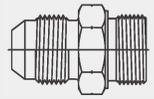
7004
MJ-FBSPPS



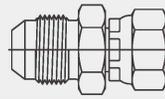
7005
MJ-MM Port Metric



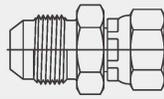
7005-L
MJ-MM Light Metric Dual



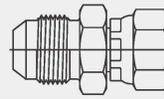
7005-S
MJ-MM Heavy Metric (Dual)



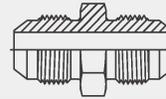
7007
MJ-FMS Metric



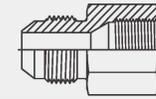
7007-L
M-JIC-MET-FEM-Light



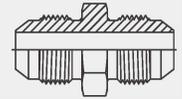
7007-S
M-JIC-MET-FEM-Heavy



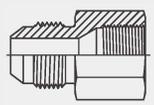
7008
MJ-MJIS Union



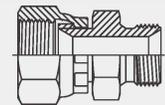
7008-F
MJ-FJIS



7009
Komatsu MJ-MK Union



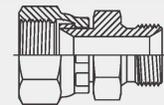
7009-F
Komatsu MJ-FK



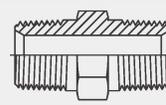
7022
FJS-MBSPP



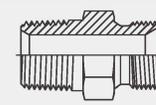
7023
FJS-FBSPPS



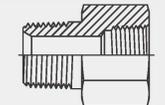
7025
FJS-MM Metric



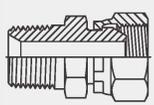
7030
MP-MBSPT Nipple



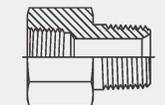
7032
MP-MBSPP



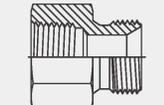
7033
MP-FBSPP



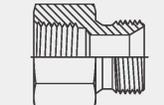
7034
MP-FBSPPS



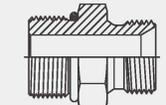
7040
FP-MBSPT



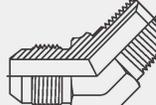
7042
FP-MBSPP



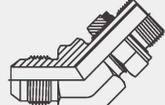
7045
FP-MM Metric



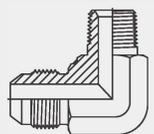
7062
MORB-MBSPP



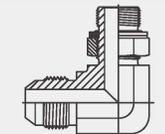
7100
MJ-MBSPT 45° Elbow



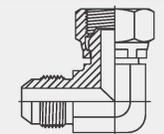
7102
MJ-MBSPPADJ 45°



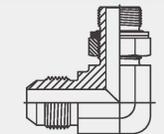
7200
MJ-MBSPT 90° Elbow



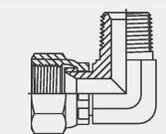
7202
MJ-MBSPPADJ 90°



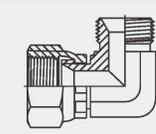
7204
MJ-FBSPPS 90° Elbow



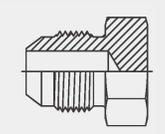
7205
MJ-MMADJ 90° Elbow



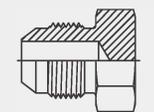
7220
FJS-MBSPT 90° Elbow



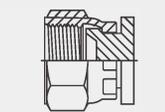
7222
FJS-MBSPP 90° Elbow



7588-P
MJIS Plug



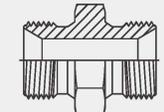
7599-P
Komatsu MK Plug



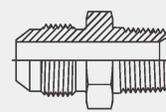
7688-C
FJIS Cap



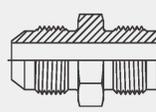
7699-C
Komatsu FK Cap



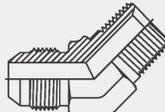
8055
Metric MM-MM Nipple



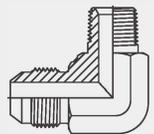
8080
MJIS-MBSPT



8088
MJIS-MJIS Union



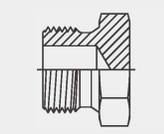
8180
MJIS-MBSPT 45° Elbow



8280
MJIS-MBSPT 90° Elbow



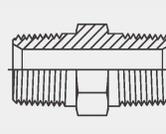
8555-H
Metric MM Hollow Hex Plug



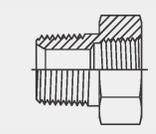
8555-P
Metric Plug



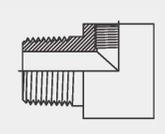
8800
Metric Bonded Seal



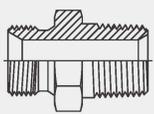
9000
MBSPT-MBSPT Nipple



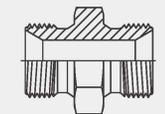
9001
MBSPT-FBSPT Bushing



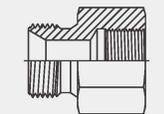
9002
MBSPT-FBSPT 90° Elbow



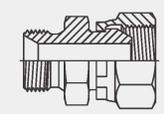
9020
MBSPP-MBSPT Straight



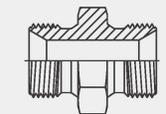
9022
MBSPP-MBSPP Nipple



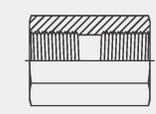
9023
MBSPP-FBSPP w/60° Seat



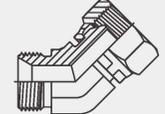
9024
MBSPP-FBSPPS



9025
Metric MBSPP-MM Nipple

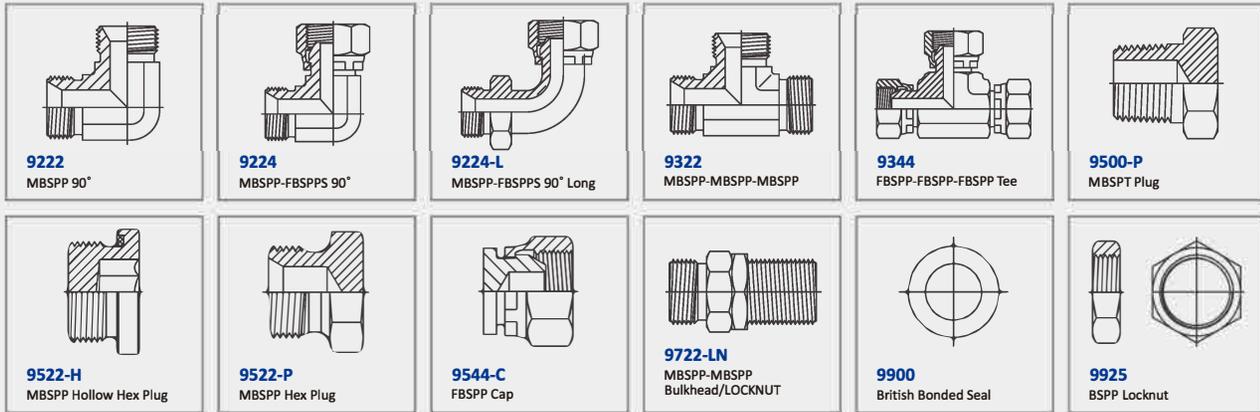


9033
FBSPP-FBSPP Coupling

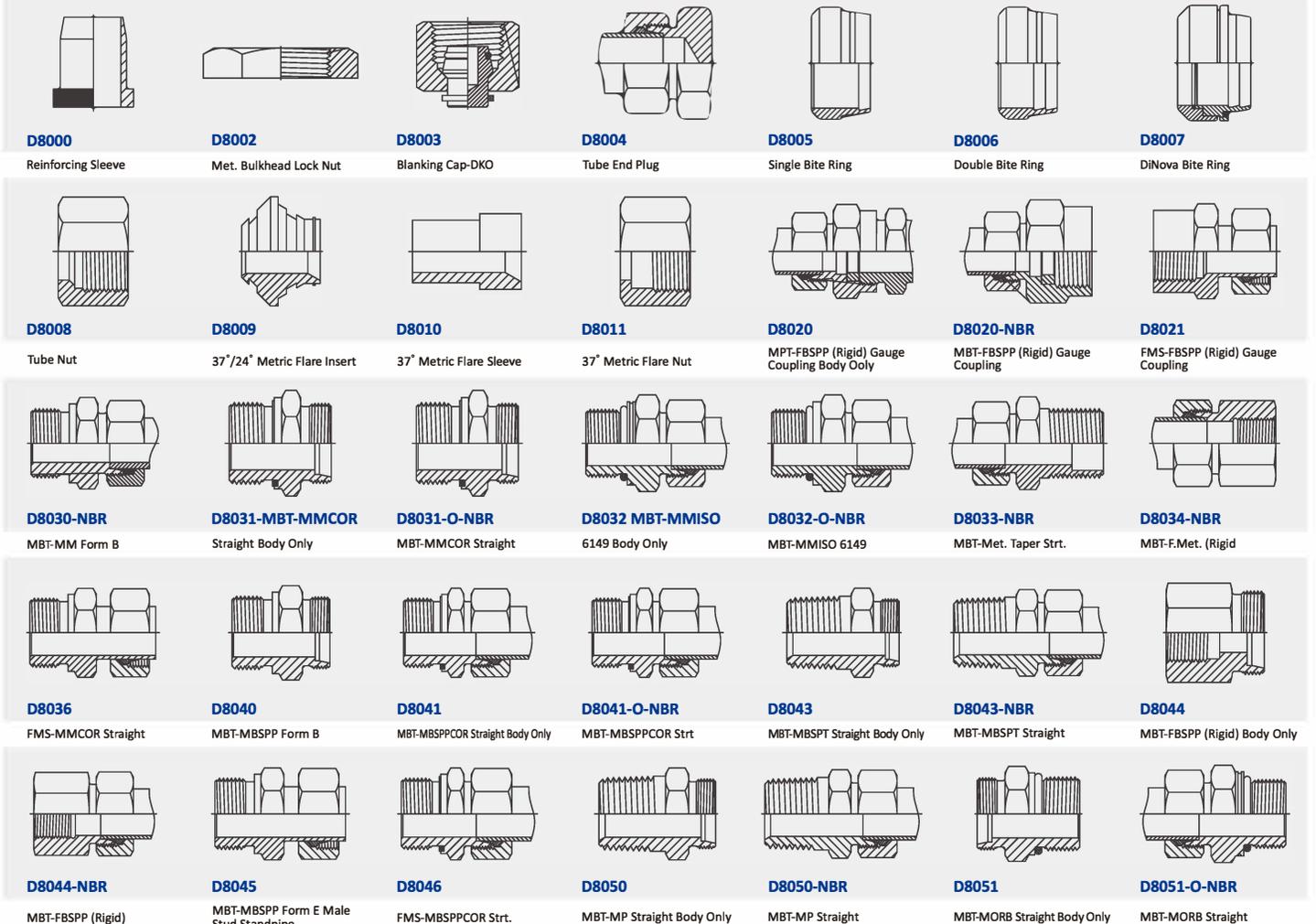


9124
MBSPP-FBSPPS Swept 45°

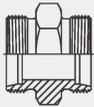
CONVERSION ADAPTERS



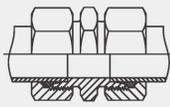
METRIC BITE TYPE



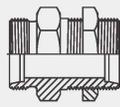
METRIC BITE TYPE



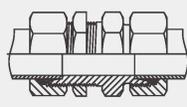
D8060
MBT-MBT Straight Union
Body Only



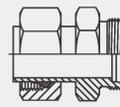
D8060-NBR
MBT-MBT Straight Union



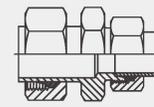
D8061-LN
MBT-MBT Bulkhead Straight
Body Only



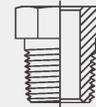
D8061-LN-NBR
MBT-MBT Bulkhead Strt.



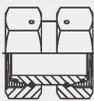
D8062
FMS-MBT Straight Standpipe
Reducer



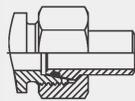
D8062-NBR
FMS-MBT Straight Standpipe
Reducer



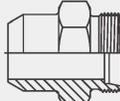
D8064
Met. Internal Coupling Nut



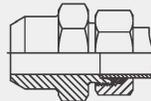
D8067
F.SWV CPLG-DKO



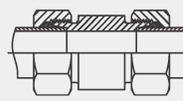
D8096
Straight Weld Nipple



D8097
MBT Butt Weld Straight



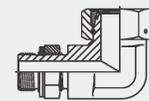
D8097-NBR
MBT-Butt Weld Strt.



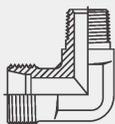
D8098-NBR
MBT-Butt Weld Bulkhead



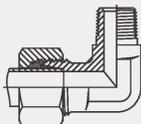
D8231-NBR
MMORR 90° Adj Elbow



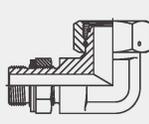
D8232-NBR
MMISO 6149 90° Adj Elbow



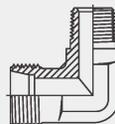
D8233
MBT-Metric Taper 90° Elbow
Body Only



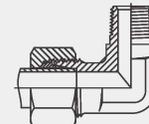
D8233-NBR
MBT-Met Taper 90° Elbow



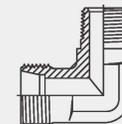
D8241-NBR
MBSPPORR 90° Adj Elbow



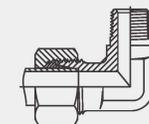
D8243
MBT-MBSPT 90° Elbow
Body Only



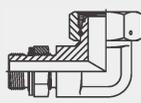
D8243-NBR
MBT-MBSPT 90° Elbow



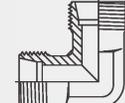
D8250
MBT-MP 90° Elbow
Body Only



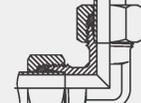
D8250-NBR
MBT-MP 90° Elbow



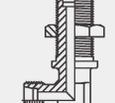
D8251-NBR
MAORB 90° Adj Elbow



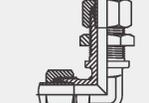
D8260
MBT-MBT Equal Elbow
Body Only



D8260-NBR
MBT-MBT Equal Elbow



D8261
MBT-MBT Bulkhead 90°
Body Only



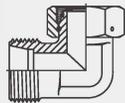
D8261-LN-NBR
MBT-MBT Bulkhead 90°



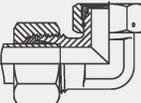
D8263
MBT-FMS 90° Adj Elbow
Body Only



D8263-NBR
MBT-FMS 90° Adj Elbow



D8269
MBT-FMS Adj. 90-DKO
Body Only



D8269-NBR
MBT-FMS Adj. 90-DKO



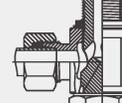
D8290-NBR
Met. Parallel Low Press.
Banjo



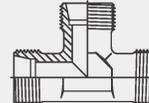
D8291-NBR
BSPP Low Press. Banjo Elbow



D8292-NBR
Met. Parallel High Press.
Banjo Elbow



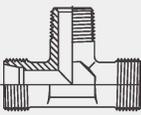
D8293-NBR
BSPP High Pressure
Banjo Elbow



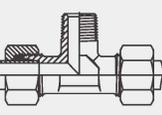
D8360
MBT-MBT-MBT Equal
Tee Body Only



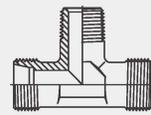
D8360-NBR
MBT-MBT-MBT Equal Tee



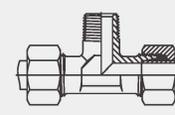
D8433
MBT-MBT-MK BR. Tee
Body Only



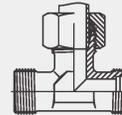
D8433-NBR
MBT-MBT-MK BR. Tee



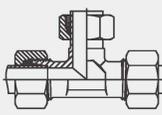
D8443
MBT-MBT-MBSPT BR.
Tee Body Only



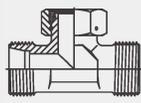
D8443-NBR
MBT-MBT-MBSPT BR. Tee



D8463
MBT-MBT-FMS Adj. Branch
Tee Body Only



D8463-NBR
MBT-MBT-FMS Adj.
Branch Tee



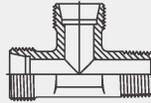
D8469
MBT-MBT-FMS Adj. BR.
Tee-DKO Body Only



D8469-NBR
MBT-MBT-FMS Adj. BR.
Tee-DKO



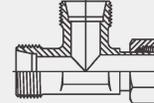
D8533-NBR
MBT-MK-MBT Run. Tee



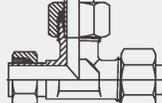
D8543
MBT-MBSPT-MBT Run Tee
Body Only



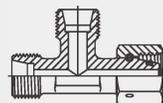
D8543-NBR
MBT-MBSPT-MBT Run Tee



D8563
MBT-FMS-MBT Adj. Run Tee
Body Only



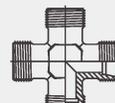
D8563-NBR
MBT-FMS-MBT Adj. Run Tee



D8569
MBT-FMS-MBT Adj. Run Tee
Body Only



D8569-NBR
MBT-FMS-MBT Adj. Run Tee



D8660
MBT Equal Cross Body Only

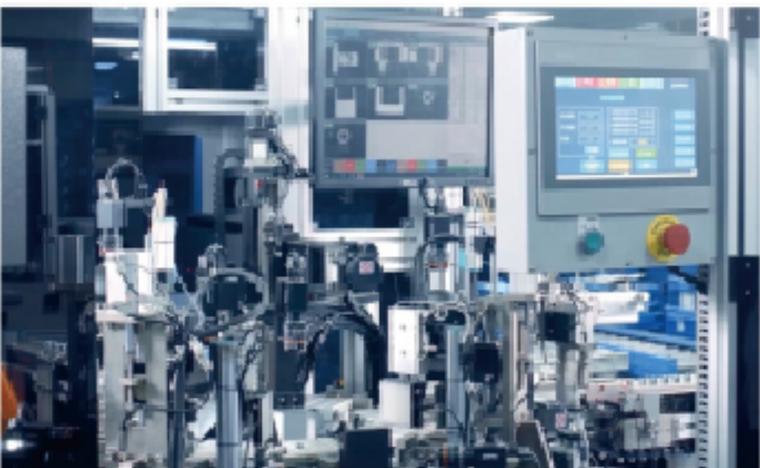
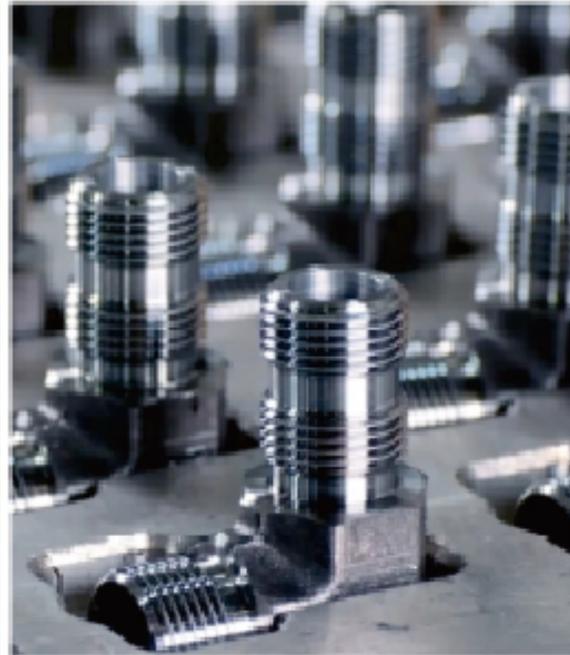


D8660-NBR
MBT Equal Cross



Quality Performance

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