



# ISO Port Adapters

MATERIALS OF CONSTRUCTION	
ADAPTERS:	BRASS
O-RING:	FLUOROCARBON

NOMENCLATURE	
EXAMPLE: 159F-10MI-27	ATTRIBUTE:
1	FORGING
59	45° MALE ELBOW
F	45° FLARE
10	5/8 TUBE SIZE
MI	METRIC ISO PORT
27	27 MM PORT THREAD

APPLICABLE TUBE	
TUBE MATERIAL:	COPPER, BRASS, J844 TYPE A & B NYLON TUBING

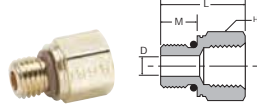
PRESSURE AND TEMPERATURE RANGE	
NOTE:	DEPENDENT ON TUBING OR HOSE END CONNECTION



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Adapters meet dimensional requirements of ISO 6149-3 and SAE 2244-3 end configurations include NPTF, flare, hose barb and NTA.

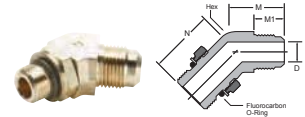
**Pipe to Metric Adaptor  
222P-X-MIX**



PART NUMBER	NPTF	METRIC THREAD	HEX	L	M	D
222P-2-MI10	1/8-27	M10 X 1.0	9/16	.75	.34	.18
222P-2-MI14	1/8-27	M14 X 1.5	3/4	.91	.43	.30
222P-4-MI12	1/4-18	M12 X 1.5	11/16	1.09	.43	.24
222P-4-MI14	1/4-18	M14 X 1.5	3/4	1.09	.43	.30
222P-6-MI16	3/8-18	M16 X 1.5	7/8	1.16	.45	.35
222P-6-MI22	3/8-18	M22 X 1.5	1 1/16	1.05	.51	.47
222P-8-MI27	1/2-14	M27 X 2.0	1 1/4	1.32	.63	.60

Note: Fluorocarbon o-ring is standard  
For working pressure and Temperature see Metric Adapters Section

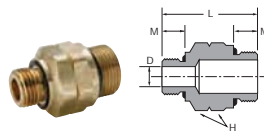
**45° Flare Elbow to Metric  
Adaptor 159F-X-MIX**



PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	M	M1	N	D
159F-8-MI16	1/2	M16 X 1.5	13/16	1.10	.75	1.16	.36
159F-10-MI27	5/8	M27 X 2.0	1 1/8	1.21	.88	1.50	.50

Note: Fluorocarbon o-ring is standard  
For working pressure and Temperature see SAE Flare Section

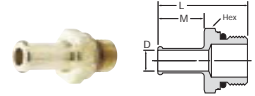
**Metric Straight Thread  
Union M16M22F8UHA8UB**



PART NUMBER	METRIC THD 1	METRIC THD 2	L (MM)	HEX (MM)	M (MM)	M1 (MM)	D (MM)
M16M22F8UHA8UB	M16X1.5	M22X1.5	43	27	10	12.5	9.0

Note: Fluorocarbon o-ring is standard  
For working pressure and Temperature see Metric Adapters Section

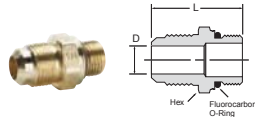
**Hose Barb to Metric  
Adaptor 68HB-X-MIX**



PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	L	M	D
68HB-6-M12	3/8	M12 X 1.5	11/16	1.50	.78	.24
68HB-6-M14	3/8	M14 1.5	3/4	1.51	.78	.30
68HB-8-M12	1/2	M12 X 1.5	11/16	1.50	.78	.24
68HB-10-MI27	5/8	M27 X 2.0	1 1/4	1.77	.78	.50

Note: Fluorocarbon o-ring is standard  
For working pressure and Temperature see Hose Barb Section

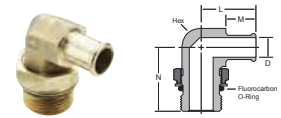
**Flare to Metric Adaptor  
48F-X-MIX**



PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	L	D
48F-8-MI16	1/2	M16 X 1.5	7/8	1.60	.35
48F-10-MI27	5/8	M27 X 2.0	1 1/4	1.87	.50
48F-12-MI27	3/4	M27 X 2.0	1 1/4	1.99	.63

Note: Fluorocarbon o-ring is standard  
For working pressure and Temperature see SAE Flare Section

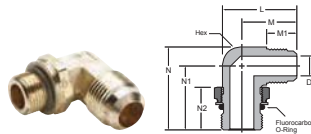
**Beaded Elbow to Metric  
Adaptor 169HB-X-MIX**



PART NUMBER	HOSE SIZE	METRIC THREAD	HEX	L	M	N	D
169HB-10-MI27	5/8	M27 X 2.0	7/8	1.41	.78	1.63	.50
169HB-16-MI27	1	M27 X 2.0	1	1.67	.97	1.68	.71

Note: Fluorocarbon o-ring is standard  
For working pressure and Temperature see Hose Barb Section

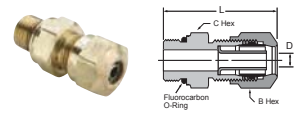
**Flare Elbow to Metric  
Adaptor 149F-X-MIX**



PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	L	M	M1	N	N1	N2	D
149F-10-MI27	5/8	M27 X 2.0	7/8	1.95	1.46	.88	2.12	1.63	1.09	.50

Note: Fluorocarbon o-ring is standard  
For working pressure and Temperature see SAE Flare Section

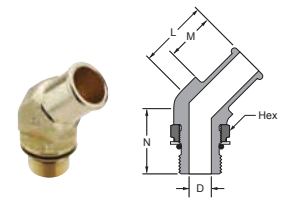
**NTA to Metric Adaptor  
68NTA-X-MIX**



PART NUMBER	TUBE SIZE	METRIC THREAD	B HEX	C HEX	L	D
68NTA-4-MI10	1/4	M10 X 1.0	9/16	9/16	1.33	.140

Note: Fluorocarbon o-ring is standard  
For working pressure and Temperature see Air Brake-NTA Section

**Beaded Hose Barb 45°  
Elbow to Metric Thread  
179HB-X-MIX**



PART NUMBER	HOSE SIZE	METRIC THREAD	HEX	L	M	N	D
179HB-12-MI18	3/4	M18 X 1.5	13/16	1.15	.78	1.16	.44
179HB-16-MI27	1	M27 X 2.0	1 1/16	1.51	.97	1.71	.71

Note: Fluorocarbon o-ring is standard

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