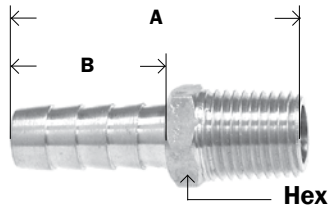


RIGID MALE ADAPTER

- These are not Lead Free



PGH
101
102
201A
125HBL
105B-1
KF-PS
MPB

Part #	Hose I.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
32-001 *	1/8" x 1/8"	1.19	0.69	0.43	0.02	
32-027	1/8" x 1/4"	1.16	0.46	0.56	0.02	
32-002 *	3/16" x 1/8"	1.19	0.75	0.43	0.02	
32-003 *	3/16" x 1/4"	1.37	0.69	0.56	0.04	
32-301	1/4" x 1/16"	1.44	0.88	0.43	0.02	
32-004 *	1/4" x 1/8"	1.47	0.97	0.43	0.02	
32-005 *	1/4" x 1/4"	1.72	0.97	0.56	0.04	
32-006 *	1/4" x 3/8"	1.72	0.97	0.68	0.05	
32-007	1/4" x 1/2"	1.72	0.81	0.87	0.10	
32-008 *	5/16" x 1/8"	1.47	0.97	0.43	0.02	
32-009 *	5/16" x 1/4"	1.72	0.97	0.56	0.04	
32-010 *	5/16" x 3/8"	1.76	0.97	0.68	0.06	
32-390	5/16" x 1/2"	1.88	0.95	0.87	0.10	
32-011 *	3/8" x 1/8"	1.53	0.97	0.56	0.03	
32-012 *	3/8" x 1/4"	1.75	0.97	0.56	0.05	
32-013 *	3/8" x 3/8"	1.72	0.96	0.68	0.06	
32-014 *	3/8" x 1/2"	1.97	0.97	0.87	0.09	
32-026 *	3/8" x 3/4"	1.97	0.97	1.06	0.16	
32-302	1/2" x 1/8"	1.57	0.95	0.56	0.06	
32-015 *	1/2" x 1/4"	1.72	0.97	0.56	0.04	
32-016 *	1/2" x 3/8"	1.76	0.97	0.68	0.07	
32-017 *	1/2" x 1/2"	1.87	0.96	0.87	0.11	
32-018 *	1/2" x 3/4"	1.94	0.97	1.06	0.16	
32-303	1/2" x 1"	2.31	0.99	1.37	0.33	
32-304	5/8" x 1/4"	1.67	0.92	0.68	0.06	
32-019 *	5/8" x 3/8"	1.76	0.97	0.68	0.08	
32-020 *	5/8" x 1/2"	1.87	0.96	0.87	0.11	
32-021 *	5/8" x 3/4"	1.87	0.96	1.06	0.14	
32-305	5/8" x 1"	2.31	0.96	1.37	0.36	
32-306	3/4" x 3/8"	1.65	0.87	0.81	0.12	
32-022 *	3/4" x 1/2"	1.87	0.96	0.87	0.14	
32-023 *	3/4" x 3/4"	1.87	0.96	1.06	0.15	
32-316	3/4" x 1"	2.55	1.15	1.37	0.38	
32-307	1" x 1/2"	1.80	0.87	1.06	0.24	
32-024 *	1" x 3/4"	2.19	1.19	1.06	0.32	
32-025 *	1" x 1"	2.48	1.19	1.37	0.39	
32-029	1-1/4" x 3/4"	2.37	1.19	1.37	0.35	
32-028	1-1/4" x 1"	2.55	1.19	1.37	0.46	

See Bronze insert fittings on pages 330 for larger sizes.

* See page 26 for stainless steel.

HOSE BARB

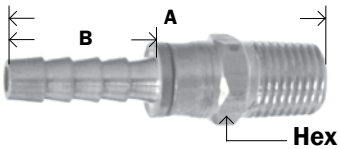
BRASS FITTINGS

BRASS RIGID MALE BSPT BARB ADAPTER



Part #	Hose I.D. x MALE BSPT	
32-450	1/4" x 1/8"	
32-451	1/4" x 1/4"	
32-452	3/8" x 1/4"	
32-453	3/8" x 3/8"	
32-454	3/8" x 1/2"	
32-455	1/2" x 3/8"	
32-456	1/2" x 1/2"	
32-457	3/4" x 3/4"	
32-458	1" x 1"	

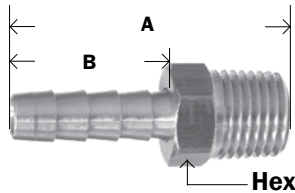
SWIVEL MALE ADAPTER



SMS Rotation 360°

103

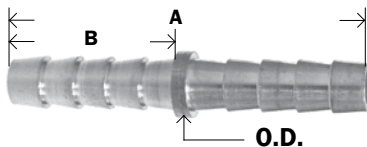
-68



Part #	Hose I.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
32-329	3/16" x 1/8"	1.95	0.78	0.56	0.06	
32-331	3/16" x 1/4"	1.90	0.78	0.56	0.06	
32-332	1/4" x 1/8"	2.19	0.97	0.56	0.06	
32-349	1/4" x 1/4"	2.12	0.97	0.56	0.06	
32-351	3/8" x 1/8"	2.12	0.97	0.56	0.07	
32-201	3/8" x 1/4"	2.12	0.97	0.56	0.07	
32-360	3/8" x 3/8"	2.12	0.97	0.69	0.08	
32-355	1/2" x 3/8"	2.12	0.97	0.68	0.10	
32-356	1/2" x 1/2"	2.33	0.97	0.87	0.14	
32-357	3/4" x 3/4"	2.33	0.97	1.06	0.20	
32-386	1" x 1"	3.43	1.19	1.38	0.40	

Part #	Hose I.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
32-200	1/4" x 1/4"	1.65	.89	0.56	0.04	
32-202	3/8" x 3/8"	1.75	1.00	0.68	0.08	

MENDER/ SPLICER



MSB

122HBL

HM

129

178

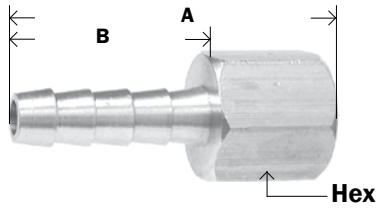
73

108

Part #	Hose I.D. x Hose I.D.	A	B	O.D.	Approx. Wt. Lbs.	
32-091 *	1/8"	0.98	0.45	0.31	0.01	
32-092	3/16"	1.62	0.77	0.36	0.02	
32-093 *	1/4"	2.00	0.96	0.37	0.02	
32-079 *	1/4" x 1/8"	1.55	0.97	0.56	0.02	
32-094 *	5/16"	2.00	0.96	0.39	0.02	
32-090 *	5/16" x 1/4"	2.00	0.97	0.39	0.03	
32-095 *	3/8"	2.00	0.94	0.51	0.04	
32-080 *	3/8" x 1/4"	2.06	0.97	0.56	0.03	
32-375 *	3/8" x 5/16"	2.00	0.97	0.56	0.03	
32-096 *	1/2"	2.00	0.96	0.62	0.06	
32-087 *	1/2" x 3/8"	2.06	0.97	0.71	0.06	
32-097	5/8"	2.05	0.96	0.75	0.08	
32-088	5/8" x 3/8"	2.06	0.97	0.75	0.06	
32-376	5/8" x 1/2"	2.06	0.97	0.75	0.07	
32-098 *	3/4"	2.50	1.15	0.87	0.10	
32-089	3/4" x 1/2"	2.28	1.19	0.87	0.10	
32-379	3/4" x 5/8"	2.50	1.19	0.87	0.10	
32-380	1" x 3/4"	2.58	1.19	1.12	0.18	
32-099	1"	3.00	1.44	1.02	0.23	

* Add SS to the end of the part number for Stainless.

RIGID FEMALE ADAPTER



209A FPB
 128 105B-2
 29A KF-RS
 29F 104
 126HB 144
 126

Part #	Hose I.D. x Female NPTF	A	B	Hex	Approx. Wt. Lbs.	
32-050	1/8" x 1/8"	0.96	0.46	0.50	0.02	
32-317	1/8" x 1/4"	1.15	0.46	0.62	0.04	
32-051	3/16" x 1/8"	1.10	0.68	0.50	0.02	
32-062	3/16" x 1/4"	1.44	0.75	0.62	0.04	
32-052	1/4" x 1/8"	1.35	0.93	0.50	0.02	
32-053	1/4" x 1/4"	1.60	0.97	0.62	0.06	
32-054	1/4" x 3/8"	1.65	1.03	0.75	0.04	
32-441	1/4" x 1/2"	1.66	0.97	0.93	0.08	
32-055	5/16" x 1/8"	1.47	0.97	0.56	0.04	
32-056	5/16" x 1/4"	1.66	0.97	0.62	0.04	
32-318	5/16" x 3/8"	1.66	0.97	0.75	0.06	
32-320	5/16" x 1/2"	1.67	0.96	0.93	0.08	
32-057	3/8" x 1/8"	1.47	0.97	0.56	0.04	
32-058	3/8" x 1/4"	1.61	0.97	0.62	0.06	
32-059	3/8" x 3/8"	1.63	1.00	0.81	0.08	
32-063	3/8" x 1/2"	1.72	0.94	0.93	0.12	
32-442	3/8" x 3/4"	1.97	0.97	1.18	0.20	
32-064	1/2" x 1/4"	1.66	0.96	0.62	0.08	
32-060	1/2" x 3/8"	1.66	0.97	0.75	0.08	
32-061	1/2" x 1/2"	1.76	0.96	0.93	0.12	
32-443	1/2" x 3/4"	1.97	0.97	1.18	0.26	
32-444	5/8" x 3/8"	1.66	0.97	0.75	0.08	
32-445	5/8" x 1/2"	1.66	0.97	0.93	0.10	
32-446	5/8" x 3/4"	1.97	0.97	1.18	0.21	
32-447	3/4" x 1/2"	1.88	1.19	0.93	0.13	
32-065	3/4" x 3/4"	2.19	1.21	1.18	0.22	
32-049	1" x 3/4"	2.19	1.19	1.18	0.26	
32-321	1" x 1"	2.32	1.19	1.18	0.35	
32-448	1-1/4" x 1"	2.32	1.19	1.43	0.44	

SWIVEL FEMALE ADAPTER NPTF

-68



Part #	Hose I.D. x Female NPTF	A	B	Hex	Approx. Wt. Lbs.	
32-470	1/4" x 1/4"	1.80	0.97	0.62	0.06	
32-472	3/8" x 1/4"	1.80	0.97	0.62	0.06	
32-473	3/8" x 3/8"	1.82	0.97	0.75	0.09	
32-475	1/2" x 3/8"	1.82	0.97	0.75	0.09	
32-476	1/2" x 1/2"	1.86	0.97	0.93	0.14	

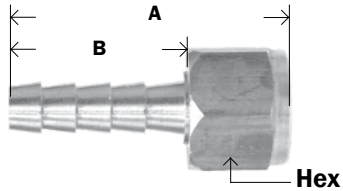
HOSE BARB

BRASS FITTINGS

SWIVEL FEMALE ADAPTER - With Gasket

• NPSM Thread

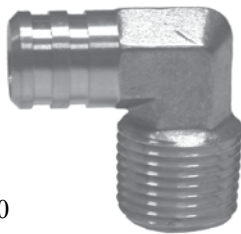
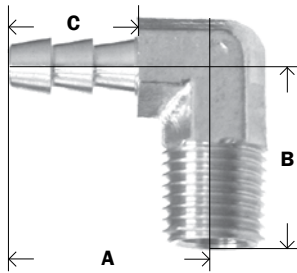
National Pipe Straight Gasket Seal Swivel



130
126
29FSG
KF-RN
NPSM Gasket

Part #	Hose I.D. x Female NPSM	A	B	Hex	Approx. Wt. Lbs.	
32-131	1/8" x 1/8"	0.90	0.46	0.50	0.02	
32-132	3/16" x 1/8"	1.19	0.75	0.50	0.03	
32-133	3/16" x 1/4"	1.28	0.75	0.62	0.04	
32-120	1/4" x 1/8"	1.41	0.97	0.50	0.02	
32-121	1/4" x 1/4"	1.50	0.97	0.62	0.02	
32-129	1/4" x 3/8"	1.63	0.97	0.75	0.04	
32-130	5/16" x 1/4"	1.50	0.97	0.62	0.04	
32-122	3/8" x 1/4"	1.54	1.00	0.62	0.06	
32-123	3/8" x 3/8"	1.60	0.97	0.75	0.06	
32-354	3/8" x 1/2"	1.66	0.97	0.93	0.10	
32-124	1/2" x 3/8"	1.60	0.97	0.75	0.08	
32-125	1/2" x 1/2"	1.66	0.97	0.93	0.12	
32-117	1/2" x 3/4"	1.82	1.19	1.18	0.16	
32-118	5/8" x 3/4"	1.82	1.19	1.18	0.18	
32-119	3/4" x 3/4"	1.82	1.19	1.18	0.14	

FORGED HOSE BARB 90° ELBOW



Grooved End Barb



Square Body

129
HBE1
KF-PS90
HE-1
29E
146

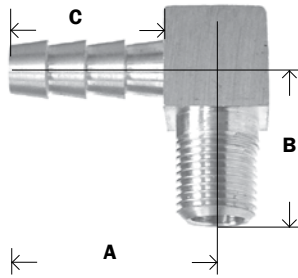
Part #	Hose I.D. x Male NPTF	A	B	C	Body Size	Approx. Wt. Lbs.	
32-308	3/16" x 1/8"	0.95	0.70	0.66	0.37	0.02	
32-391	3/16" x 1/4"	1.00	0.84	0.63	0.46	0.10	
32-038 *	1/4" x 1/8"	1.01	0.81	0.71	0.47	0.06	
32-039 *	1/4" x 1/4"	1.01	0.87	0.63	0.47	0.06	
32-309 ***	1/4" x 3/8"	1.08	0.97	0.73	0.69	0.12	
32-036	5/16" x 1/8"	1.01	0.81	0.63	0.47	0.04	
32-040	5/16" x 1/4"	1.01	0.87	0.63	0.47	0.06	
32-310	5/16" x 3/8"	1.06	0.94	0.63	0.50	0.06	
32-046 *	3/8" x 1/8"	1.01	0.81	0.63	0.47	0.06	
32-041 *	3/8" x 1/4"	1.02	0.88	0.65	0.47	0.06	
32-042 *	3/8" x 3/8"	1.09	0.93	0.68	0.50	0.08	
32-047 *	3/8" x 1/2"	1.11	1.09	0.63	0.59	0.10	
32-048	1/2" x 1/4"	1.06	1.00	0.68	0.59	0.10	
32-043 *	1/2" x 3/8"	1.06	1.09	0.69	0.59	0.10	
32-311 *	1/2" x 1/2"	1.31	1.19	0.87	0.56	0.22	
32-044**	5/8" x 3/8"	1.12	1.06	0.61	0.56	0.12	
32-045**	5/8" x 1/2"	1.12	1.12	0.66	0.59	0.14	
32-312	5/8" x 3/4"	1.46	1.26	0.93	1.06	0.32	
32-313	3/4" x 1/2"	1.31	1.28	0.87	0.85	0.22	
32-314 *	3/4" x 3/4"	1.46	1.26	0.91	1.06	0.32	
32-330***	3/4" x 1"	1.57	1.64	0.90	1.34	0.64	
32-315	1" x 3/4"	1.60	1.40	0.95	1.06	0.32	
32-319	1" x 1"	1.69	1.64	0.98	1.34	0.43	

* Add SS to the end of the part number for Stainless.

** Grooved End Barbs

*** Square Body

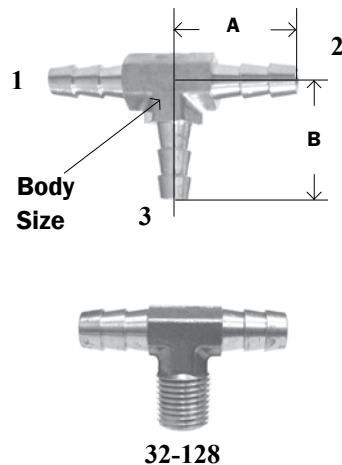
BARSTOCK HOSE BARB 90° ELBOW



129HB

Part #	Hose I.D. x Male NPTF	A	B	C	Body Size	Approx. Wt. Lbs.	
32-038B	1/4" X 1/8"	1.00	0.75	0.75	0.50	0.02	
32-039B	1/4" X 1/4"	1.02	0.91	0.74	0.56	0.04	
32-041B	3/8" X 1/4"	1.32	0.89	0.97	0.58	0.08	
32-042B	3/8" X 3/8"	1.50	1.06	0.97	0.75	0.14	
32-043B	1/2" X 3/8"	1.53	1.07	0.97	0.72	0.16	

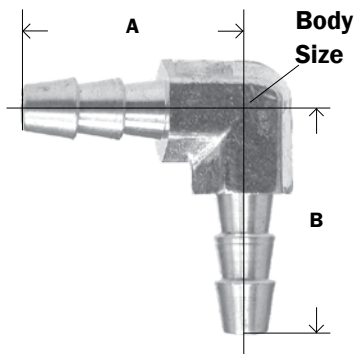
HOSE BARB TEES



Part #	Hose Barb Size 1 x 2 x 3	A	B	Body Size	Approx. Wt. Lbs.	
32-367 *	1/8"	0.84	0.83	0.25	0.02	
32-368	3/16"	1.02	1.02	0.37	0.03	
32-365 *	1/4"	1.00	1.00	0.44	0.06	
32-350 *	1/4" x 1/8"	0.94	0.94	0.44	0.04	
32-366	5/16"	1.00	1.00	0.44	0.06	
32-126 *	3/8"	1.01	1.01	0.43	0.06	
32-400 *	1/2"	1.02	1.00	0.43	0.08	
32-352 *	1/2" x 3/8"	1.26	1.26	0.43	0.10	
32-361	5/8"	1.26	1.26	0.75	0.16	
32-363	3/4"	1.26	1.26	0.88	0.18	
32-353	3/4" x 1/2"	1.41	1.41	0.88	0.23	
32-128 *	3/8" HB x 1/4" MIP	1.00	0.94	0.43	0.06	

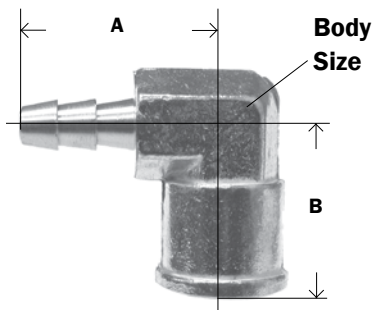
* Add SS to the end of the part number for Stainless.

90° HOSE BARB ELBOW



Part #	Hose I.D. x Hose I.D.	A	B	Body Size	Approx. Wt. Lbs.	
32-429	1/8" x 1/8"	0.55	0.55	0.37	0.03	
32-433	3/16" x 3/16"	0.90	0.90	0.37	0.03	
32-412	1/4" x 1/8"	1.02	1.02	0.44	0.04	
32-413 *	1/4" x 1/4"	1.01	1.01	0.44	0.04	
32-425	5/16" x 5/16"	1.15	1.15	0.48	0.05	
32-414	3/8" x 1/8"	1.01	1.01	0.44	0.04	
32-415	3/8" x 1/4"	1.00	1.00	0.44	0.04	
32-416 *	3/8" x 3/8"	1.02	1.02	0.44	0.04	
32-417	3/8" x 1/2"	1.24	1.10	0.50	0.06	
32-418	1/2" x 1/4"	1.24	1.08	0.50	0.06	
32-419	1/2" x 3/8"	1.22	1.09	0.50	0.06	
32-420 *	1/2" x 1/2"	1.24	1.24	0.50	0.06	
32-434	5/8" x 5/8"	1.20	1.20	0.75	0.16	
32-435	3/4" x 1/2"	1.41	1.41	0.88	0.21	
32-436	3/4" x 3/4"	1.41	1.41	0.88	0.21	

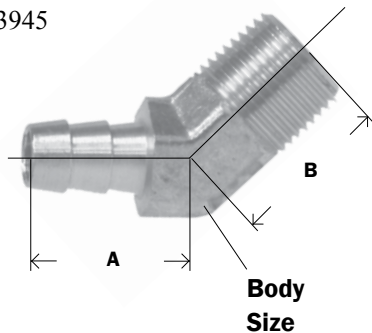
* Add SS to the end of the part number for Stainless.

90° FEMALE HOSE BARB ELBOW


Part #	Hose I.D. x Female NPTF	A	B	Body Size	Approx. Wt. Lbs.	
32-401	1/4" x 1/8"	1.01	0.82	0.47	0.06	
32-402	1/4" x 1/4"	1.13	0.91	0.56	0.10	
32-403	3/8" x 1/8"	1.01	0.82	0.47	0.06	
32-404	3/8" x 1/4"	1.15	0.91	0.56	0.10	
32-405	3/8" x 3/8"	1.15	1.11	0.68	0.14	
32-406	3/8" x 1/2"	1.26	1.39	0.75	0.20	
32-407	1/2" x 1/4"	1.26	0.91	0.56	0.10	
32-410	1/2" x 3/8"	1.24	1.11	0.68	0.14	
32-411	1/2" x 1/2"	1.37	1.39	0.75	0.20	
32-409	3/4" x 3/4"	1.52	1.75	0.81	0.50	

45° ELBOW

140
HE145
139HB
KF-PS45
13945



Part #	Hose I.D. x Male NPTF	A	B	Body Size	Approx. Wt. Lbs.	
32-110	1/4" x 1/8"	0.91	0.62	0.53	0.04	
32-109*	1/4" x 1/4"	1.00	0.62	0.57	0.06	
32-111	3/8" x 1/8"	0.83	0.66	0.53	0.04	
32-112	3/8" x 1/4"	0.82	0.84	0.53	0.06	
32-113	3/8" x 3/8"	0.93	0.87	0.59	0.08	
32-346	1/2" x 1/4"	1.00	0.84	0.59	0.08	
32-114	1/2" x 3/8"	1.00	0.88	0.59	0.08	
32-116	1/2" x 1/2"	1.15	0.94	0.59	0.12	
32-115**	5/8" x 3/8"	0.97	0.88	0.59	0.10	
32-345	3/4" x 1/2"	1.15	0.94	0.81	0.13	

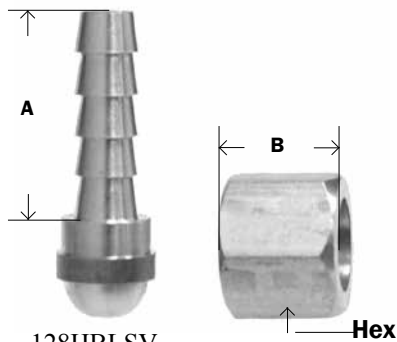
* Barstock

** Flat Barbs



BALL END SWIVEL

NPSM - Ball seat type

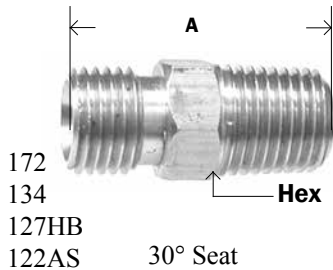


128HBSV
29FS
209AS
124
131

Part #	Hose I.D. x NPSM	A	B	Hex	Approx. Wt. Lbs.	
32-066	1/8" x 1/8"	0.46	0.44	0.50	0.03	
32-067	3/16" x 1/8"	0.75	0.44	0.50	0.03	
32-068	3/16" x 1/4"	0.75	0.52	0.62	0.04	
32-069	1/4" x 1/8"	0.97	0.44	0.50	0.04	
32-070	1/4" x 1/4"	0.97	0.53	0.62	0.06	
32-078	1/4" x 3/8"	0.97	0.63	0.75	0.06	
32-071	5/16" x 1/4"	0.97	0.52	0.62	0.05	
32-389	5/16" x 3/8"	0.97	0.63	0.75	0.07	
32-072	3/8" x 1/4"	0.97	0.53	0.62	0.06	
32-073	3/8" x 3/8"	0.97	0.59	0.75	0.08	
32-074	3/8" x 1/2"	0.97	0.69	0.94	0.14	
32-075	1/2" x 3/8"	0.97	0.59	0.75	0.08	
32-076	1/2" x 1/2"	0.97	0.69	0.94	0.10	
32-077	3/4" x 3/4"	0.97	0.70	1.12	0.14	

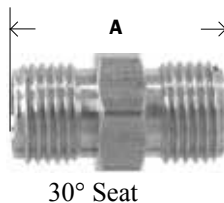
BALLSEAT MALE ADAPTER

Beveled seat

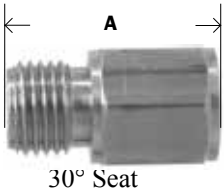


172
134
127HB
122AS

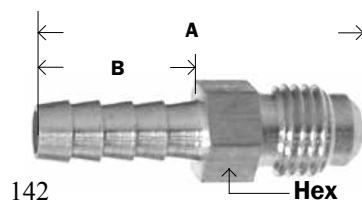
Part #	NPSM x Male NPTF	A	Hex	Approx. Wt. Lbs.	
32-359	1/8" x 1/8"	0.94	0.43	0.03	
32-034	1/4" x 1/8"	1.06	0.56	0.04	
32-030	1/4" x 1/4"	1.25	0.56	0.06	
32-362	3/8" x 1/4"	1.28	0.68	0.08	
32-031	3/8" x 3/8"	1.30	0.68	0.08	
32-392	3/8" x 1/2"	1.47	0.88	0.13	
32-364	1/2" x 3/8"	1.35	0.87	0.10	
32-032	1/2" x 1/2"	1.53	0.87	0.14	
32-033	3/4" x 3/4"	1.53	1.06	0.20	

BALLSEAT UNION

Part #	NPSM x NPSM	A	Hex	Approx. Wt. Lbs.	
32-460	1/8"	0.79	0.43	0.02	
32-461	1/4"	1.09	0.56	0.04	
32-462	3/8"	1.19	0.68	0.07	
32-463	1/2"	1.31	0.87	0.10	

FEMALE BALLSEAT ADAPTER

Part #	NPSM x Female NPTF	A	Hex	Approx. Wt. Lbs.	
32-465	1/4" x 1/4"	1.12	0.62	0.05	
32-466	3/8" x 3/8"	1.15	0.75	0.07	
32-467	1/2" x 1/2"	1.22	0.94	0.10	

45° FLARE ADAPTER

142
201BF
KF-MS
KDS

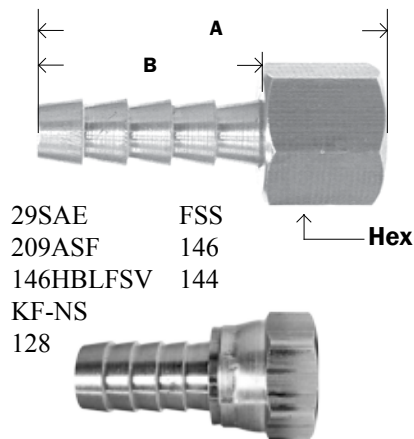
Part #	Hose I.D. x 45° Flare	Thread	A	B	Hex	Approx. Wt. Lbs.	
32-322	3/16" x 1/4"	7/16-20	1.5	0.75	0.43	0.03	
32-081 *	1/4" x 1/4"	7/16-20	1.72	0.97	0.43	0.03	
32-082 *	1/4" x 3/8"	5/8-18	1.82	0.97	0.62	0.07	
32-083	5/16" x 5/16"	1/2-20	1.75	0.97	0.50	0.08	
32-084 *	3/8" x 3/8"	5/8-18	1.82	0.97	0.62	0.08	
32-085	3/8" x 1/2"	3/4-16	1.97	0.97	0.75	0.10	
32-086	1/2" x 1/2"	3/4-16	1.97	0.97	0.75	0.10	

* Add SS to the end of the part number for Stainless.

HOSE BARB

BRASS FITTINGS

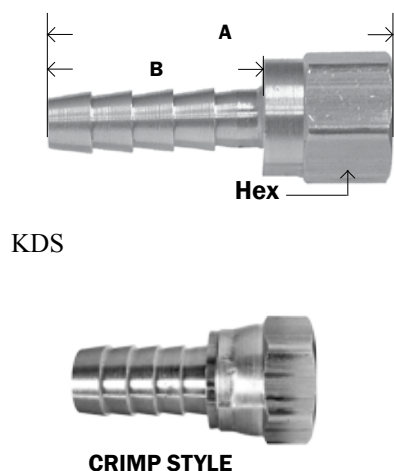
FEMALE 45° FLARE SWIVEL



Part #	Hose I.D. x Female 45° Flare	UNF Thread	A	B	Hex	Approx. Wt. Lbs.	
32-326	3/16" x 3/16"	3/8-24	1.19	0.75	0.43	0.04	
30-295**	3/16" x 3/8"	5/8-18	1.82	0.90	0.75	0.04	
32-101	1/4" x 1/4"	7/16-20	1.57	0.97	0.56	0.04	
32-103	1/4" x 3/8"	5/8-18	1.64	0.97	0.75	0.08	
32-104	5/16" x 5/16"	1/2-20	1.58	0.97	0.62	0.05	
32-327	5/16" x 3/8"	5/8-18	1.64	0.97	0.75	0.08	
32-105	3/8" x 3/8"	5/8-18	1.64	0.97	0.75	0.08	
32-105C**	3/8" x 3/8"	5/8-18	1.71	0.97	0.75	0.07	
32-106	3/8" x 1/2"	3/4-16	1.81	0.97	0.87	0.10	
32-100	1/2" x 1/2"	3/4-16	1.68	0.97	0.87	0.12	
32-328	3/4" x 3/4"	1-1/16-14	2.00	0.97	1.25	0.20	

** Swivel crimp style (crimped on the outside of fitting)

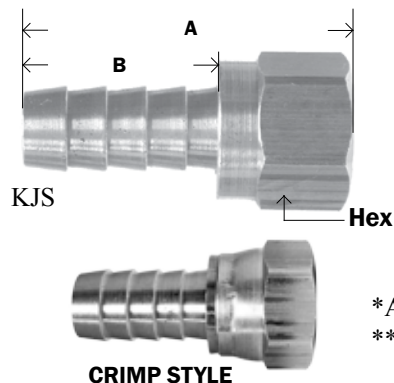
DUAL 45° / 37° FLARE SWIVEL



Part #	Hose ID x Dual Seat	Thread	A	B	Hex	Approx. Wt. Lbs.	
32-107	3/16" x 1/4"	7/16-20	1.34	0.75	0.56	0.04	
32-107C**	3/16 X 1/4	7/16-20	1.42	0.78	0.56	0.04	
32-337	1/4" x 1/4"	7/16-20	1.56	0.97	0.56	0.04	
32-337C**	1/4" X 1/4"	7/16-20	1.60	0.97	0.56	0.04	
32-102	1/4" x 5/16"	1/2-20	1.53	0.97	0.62	0.06	
32-339	5/16" x 5/16"	1/2-20	1.60	0.97	0.62	0.06	
32-340	3/8" x 1/2"	3/4-16	1.68	0.97	0.87	0.10	
32-341	1/2" x 1/2"	3/4-16	1.68	0.97	0.87	0.10	
32-341C**	1/2" X 1/2"	3/4-16	1.75	0.97	0.87	0.09	
32-342	1/2" x 5/8"	7/8-14	1.76	0.97	1.00	0.12	
32-394	5/8" x 5/8"	7/8-14	1.76	0.97	1.00	0.14	

** Swivel crimp style

FEMALE 37° J.I.C. FLARE SWIVEL



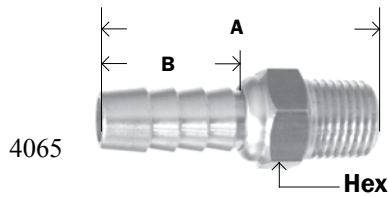
Part #	Hose ID x Female 37° Flare	Thread	A	B	Hex	Approx. Wt. Lbs.	
32-334	1/4" x 3/8"	9/16-18	1.60	0.97	0.68	0.06	
32-335	5/16" x 3/8"	9/16-18	1.60	0.97	0.68	0.06	
32-336	3/8" x 3/8"	9/16-18	1.60	0.97	0.68	0.10	
32-336C**	3/8" X 3/8"	9/16-18	1.66	0.97	0.68	0.06	
32-338*	3/4" x 3/4"	1-1/16-12	2.00	0.97	1.25	0.20	
32-397*	1" x 1"	1-5/16-12	2.54	1.19	1.50	0.33	

*Available in swivel crimp style - add a "C" at the end of the part # (100 piece minimum)

** Swivel crimp style

HIGH PRESURE MALE SWIVEL

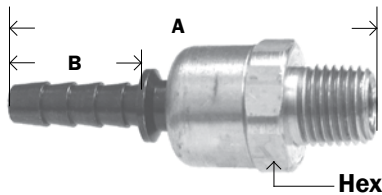
- 300 PSI
- Nitrate O-Ring



Part #	Hose I.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
32-781	3/8" x 1/4"	1.83	0.87	0.62	0.07	

HOSE ID x MALE BALL SWIVEL

300 PSI. Max. Working Pressure

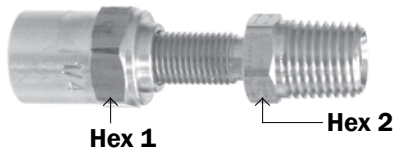


Part #	Hose I.D. x Male ball swivel	A	B	Hex	Approx. Wt. Lbs.	
28-415	1/4" x 1/4"	1.30	0.94	0.81	0.14	

1/4" MALE THREAD ID x OD

Reusable Hose Couplings

183



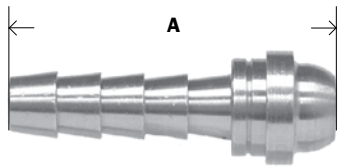
Part #	1/4" Male Thread ID x OD	Length	Hex 1	Hex 2	Approx. Wt. Lbs.	
32-725	3/8" x 3/4"(23/32)	1.97	0.87	0.56	0.14	
32-726	1/4" x 5/8"	1.86	0.81	0.56	0.13	
32-727	1/4" x 1/2"	1.86	0.69	0.56	0.11	
32-728	1/4" x 9/16"	1.86	0.75	0.56	0.12	
32-741	5/16" x 5/8"	1.97	0.81	0.56	0.13	
32-742	3/8" x 5/8"	1.97	0.81	0.56	0.14	

Many more sizes and shapes available...just ask!

Yesterday is not ours to recover, but tomorrow is ours to win or lose.

- Lyndon B. Johnson

STEM ONLY - WELDING HOSE CONNECTOR

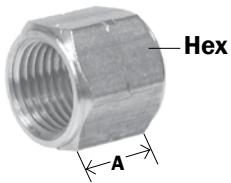


201RWA
WRS
WLS

Part #	Hose I.D.	A	Approx. Wt. Lbs.	
30-410	3/16"	1.43	0.02	
30-411	1/4"	1.43	0.02	
30-412	5/16"	1.43	0.03	
30-413	3/8"	1.43	0.04	

Assemble with nuts below.

RIGHT HAND 9/16 - 18 FOR OXYGEN LINE - WELDING HOSE NUT

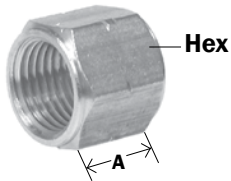


201RWA
WRS
KF-PE
152

Part #	Size	A	Hex	Approx. Wt. Lbs.	
30-420	R.H. Nut only	0.63	0.68	0.04	

Assemble with stem above.

LEFT HAND 9/16 - 18 FOR ACETYLENE LINE - WELDING HOSE NUT

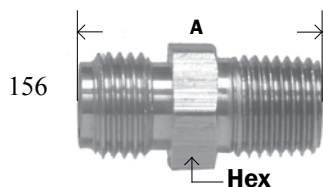


209LWA
WLS
154
KF-RE

Part #	Size	A	Hex	Approx. Wt. Lbs.	
30-421	L.H. Nut only	0.63	0.68	0.04	

Assemble with stem above.

RIGHT HAND 9/16 - 18 #122RWA - WELDING HOSE CONNECTOR

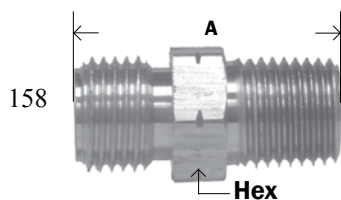


156

Part #	Size	A	Hex	Approx. Wt. Lbs.	
30-401	1/4"-18	1.30	0.62	0.06	
32-437	3/8"-18	1.30	0.68	0.09	
32-438*	9/16"-18	1.25	0.68	0.07	

* Right UNF thread

LEFT HAND 9/16 - 18 #122LWA - WELDING HOSE CONNECTOR



158

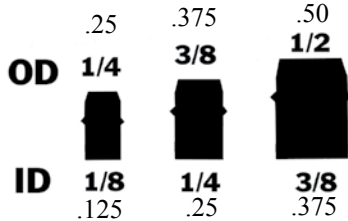
Part #	Size	A	Hex	Approx. Wt. Lbs.	
30-406	1/4"-18	1.30	0.62	0.06	
32-439	3/8"-18	1.30	0.68	0.09	
32-440*	9/16"-18	1.25	0.68	0.07	

* Left UNF thread

BRASS FITTINGS

BRASS BARBS FOR POLYETHYLENE TUBING

- Quick connecting fittings that do not require tube preparations for hand assembly. Inexpensive with excellent resistance to vibration.
- All sizes are tube O.D. (I.D.)



UNION



TUBE O.D. (TUBE I.D.) X TUBE O.D. (TUBE I.D.)

Part #	Size	
21-003	1/4(1/8) x 1/4(1/8)	
21-007	3/8(1/4) x 1/4(1/8)	
21-009	3/8(1/4) x 3/8(1/4)	

MALE ADAPTER



TUBE O.D. (TUBE I.D.) X MALE PIPE

Part #	Size	
21-021	1/4(1/8) x 1/16	
21-023	1/4(1/8) x 1/8	
21-025	1/4(1/8) x 1/4	
21-027	3/8(1/4) x 1/8	

FEMALE ADAPTER



TUBE O.D. (TUBE I.D.) X FEMALE PIPE

Part #	Size	
21-043	1/4(1/8) x 1/8	

BULKHEAD UNION



TUBE O.D. (TUBE I.D.)

Part #	Size	
21-082	1/4(1/8)	
21-083	3/8(1/4)	

UNION ELBOW



TUBE O.D. (I.D.)

Part #	Size	
21-095	1/4(1/8)	
21-097	3/8(1/4)	
21-099	1/2(3/8)	

MALE 90° ELBOW



TUBE O.D. (I.D.) X MALE PIPE

Part #	Size	
21-111	1/4(1/8) x 1/16	
21-113	1/4(1/8) x 1/8	
21-115	1/4(1/8) x 1/4	
21-117	3/8(1/4) x 1/8	
21-119	3/8(1/4) x 1/4	
21-121	1/2(3/8) x 3/8	

FEMALE 90° ELBOW



TUBE O.D. (I.D.) X FEMALE PIPE

Part #	Size	
21-133	1/4(1/8) x 1/8	

UNION TEE

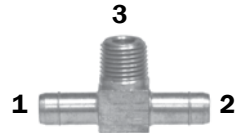


O.D. (I.D.) X O.D. (I.D.) X O.D. (I.D.)

Part #	Size	
21-151	1/4(1/8)	
21-153	3/8(1/4) X 3/8(1/4) X 1/4(1/8)	
21-155	3/8(1/4)	
21-159	1/2(3/8) X 1/2(3/8) X 3/8(1/4)	
21-161	1/2(3/8)	

HOSE BARB

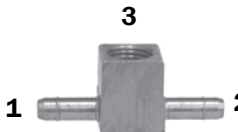
MALE BRANCH TEE



O.D. (I.D.) X O.D. (I.D.) X MALE PIPE

Part #	Size	
21-193	1/4(1/8) x 1/4(1/8) x 1/8	
21-195	3/8(1/4) x 3/8(1/4) x 1/8	
21-197	3/8(1/4) x 3/8(1/4) x 1/4	

FEMALE BRANCH TEE

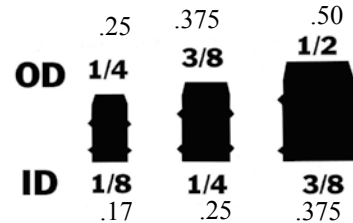


O.D. (I.D.) X O.D. (I.D.) X FEMALE PIPE

Part #	Size	
21-207	1/4(1/8) x 1/4(1/8) x 1/8	

TWO BARB FITTINGS

More Sizes Available - Please Ask!



MALE ADAPTER PIPE



TUBE O.D. (I.D.) X MALE PIPE

Part #	Size	
32-150	1/4(1/8) x 1/8	
32-151	1/4(1/8) x 1/4	
32-153	3/8(1/4) x 1/4	

UNION TEE



Part #	Tube O.D. (I.D.)	
32-159	1/4(1/8 ID)	
32-160	3/8(1/4 ID)	

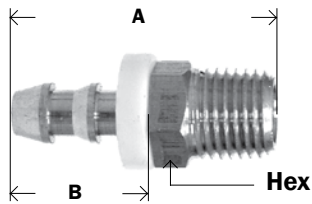
90° ELBOW



Part #	Tube O.D. (I.D.)	
32-170	1/4(1/8 ID)	
32-171	3/8(1/4 ID)	

ROCHESTER INDUSTRIAL PRODUCTS

MALE ADAPTER

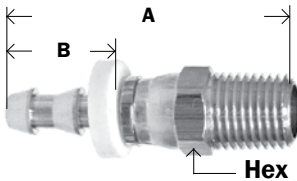


301
P990A
HLM
100B-1
KA-MB
272
29PO
725
625
BPN
941
30182

Part #	Hose I.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
30-200 *	1/4" x 1/8"	1.43	0.87	0.50	0.04	
30-201 *	1/4" x 1/4"	1.66	0.87	0.56	0.06	
30-211	1/4" x 3/8"	1.66	0.87	0.68	0.06	
30-212	5/16" x 1/8"	1.42	0.77	0.43	0.04	
30-213	5/16" x 1/4"	1.66	0.87	0.56	0.06	
30-202	3/8" x 1/8"	1.53	0.97	0.50	0.04	
30-203 *	3/8" x 1/4"	1.69	0.89	0.56	0.07	
30-204 *	3/8" x 3/8"	1.76	0.97	0.68	0.08	
30-205	3/8" x 1/2"	1.97	0.97	0.87	0.10	
30-392	3/8" x 3/4"	1.97	0.92	1.06	0.16	
30-216	1/2" x 1/4"	1.76	0.97	0.68	0.08	
30-206 *	1/2" x 3/8"	1.76	0.97	0.68	0.09	
30-207 *	1/2" x 1/2"	1.97	0.97	0.87	0.14	
30-217	1/2" x 3/4"	1.97	0.97	1.06	0.16	
30-219	5/8" x 3/8"	2.34	1.50	0.75	0.12	
30-209	5/8" x 1/2"	2.45	1.45	0.87	0.16	
30-214	5/8" x 3/4"	2.45	1.45	1.06	0.18	
30-215 *	3/4" x 1/2"	2.45	1.45	0.87	0.21	
30-210 *	3/4" x 3/4"	2.45	1.45	1.06	0.20	
30-238	1" x 3/4"	2.93	1.50	1.25	0.43	
30-239	1" x 1"	3.11	1.50	1.37	0.49	

* See page 34 for stainless

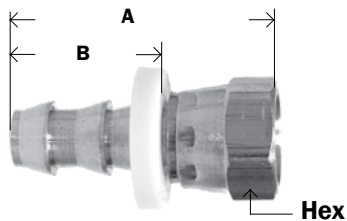
MALE SWIVEL



921
HMS
285
31382

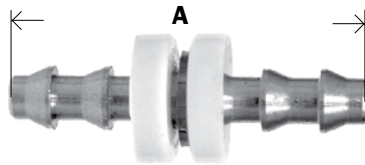
Part #	Hose I.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
30-422	1/4" x 1/8"	2.07	0.87	0.56	0.06	
30-385	1/4" x 1/4"	2.02	0.87	0.56	0.06	
30-423	3/8" x 1/8"	2.12	0.97	0.56	0.07	
30-386	3/8" x 1/4"	2.12	0.97	0.56	0.08	
30-387	3/8" x 3/8"	2.12	0.97	0.68	0.08	
30-388	1/2" x 3/8"	2.12	0.97	0.68	0.10	
30-389	1/2" x 1/2"	2.33	0.97	0.87	0.14	
30-424	5/8" x 1/2"	2.80	1.45	0.88	0.18	
30-390	3/4" x 3/4"	2.80	1.45	1.06	0.24	

FEMALE GASKET SEAL SWIVEL - NPSM



280

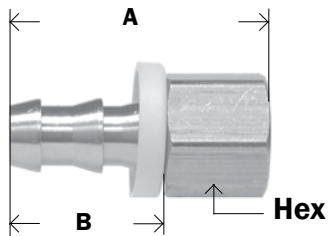
Part #	Hose I.D. x Gasket Swivel (NPSM)	A	B	Hex	Approx. Wt. Lbs.	
30-359	1/4" x 1/8"	1.39	0.77	0.50	0.03	
30-358	1/4" x 1/4"	1.47	0.82	0.68	0.06	
30-360	3/8" x 1/4"	1.61	1.00	0.68	0.06	
30-361	3/8" x 3/8"	1.77	0.97	0.81	0.08	
30-362	3/8" x 1/2"	1.80	0.92	0.93	0.09	
30-363	1/2" x 1/2"	1.88	1.02	0.93	0.11	
30-366	3/4" x 3/4"	2.36	1.55	1.18	0.32	

PUSH ON HOSE BARB**BRASS FITTINGS****HOSE SPLICER**

BPM 915 38282
 696 100B-Y
 29SPO KA-RM
 296 MHL
 729 296

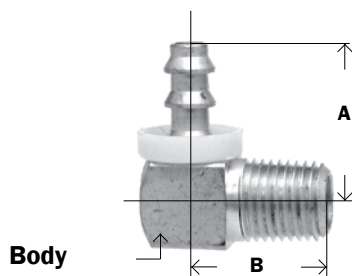
Part #	Hose I.D.	A	Approx. Wt. Lbs.	
30-300 *	1/4"	1.87	0.04	
30-305	5/16"	1.80	0.04	
30-301 *	3/8"	2.00	0.06	
30-302 *	1/2"	2.01	0.08	
30-303	5/8"	3.03	0.14	
30-304	3/4"	3.03	0.14	
30-306	1"	3.21	0.28	

* See page 34 for stainless

RIGID FEMALE ADAPTER

30282 274
 29FPO 726
 HLF 940
 626

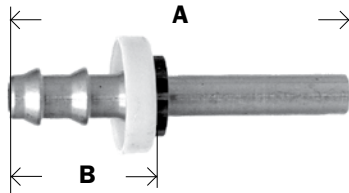
Part #	Hose I.D. x Female NPTF	A	B	Hex	Approx. Wt. Lbs.	
30-220	1/4" x 1/8"	1.35	0.87	0.50	0.02	
30-221	1/4" x 1/4"	1.51	0.87	0.62	0.06	
30-384	1/4" x 3/8"	1.51	0.77	0.75	0.06	
30-391	5/16" x 1/8"	1.32	0.77	0.50	0.03	
30-222	5/16" x 1/4"	1.51	0.87	0.62	0.06	
30-393	3/8" x 1/8"	1.47	0.92	0.56	0.06	
30-224	3/8" x 1/4"	1.61	0.97	0.62	0.06	
30-225	3/8" x 3/8"	1.63	0.97	0.75	0.06	
30-394	3/8" x 1/2"	1.66	0.92	0.93	0.12	
30-397	3/8" x 3/4"	1.97	0.97	1.18	0.20	
30-223	1/2" x 1/4"	1.76	1.02	0.68	0.08	
30-226	1/2" x 3/8"	1.63	0.97	0.75	0.08	
30-227	1/2" x 1/2"	1.77	0.97	0.93	0.14	
30-396	1/2" x 3/4"	2.07	1.02	1.18	0.20	
30-398	5/8" x 3/8"	2.24	1.55	0.75	0.10	
30-229	5/8" x 1/2"	2.24	1.48	0.93	0.11	
30-399	3/4" x 1/2"	2.24	1.50	0.93	0.14	
30-395	3/4" x 3/4"	2.55	1.50	1.18	0.24	
30-400	1" x 3/4"	2.55	1.55	1.18	0.25	
30-402	1" x 1"	2.68	1.55	1.43	0.37	

MALE ELBOW

100-C
 29EPO
 273

Part #	Hose I.D. x Male NPTF	A	B	Body Width	Approx. Wt. Lbs.	
30-372	1/4" x 1/8"	0.98	0.75	0.50	0.04	
30-373	1/4" x 1/4"	1.04	0.95	0.56	0.06	
30-374	5/16" x 1/8"	1.02	0.94	0.50	0.06	
30-375	5/16" x 1/4"	1.09	0.94	0.56	0.08	
30-370	3/8" x 1/8"	1.11	0.75	0.50	0.10	
30-371	3/8" x 1/4"	1.13	0.90	0.56	0.10	
30-376	3/8" x 3/8"	1.21	0.92	0.70	0.12	
30-377	3/8" x 1/2"	1.30	1.19	0.87	0.22	
30-382	1/2" x 3/8"	1.54			0.13	
30-378	1/2" x 1/2"	1.50	1.19	0.87	0.22	
30-379	5/8" x 1/2"	1.98	1.19	0.87	0.26	
30-383	3/4" x 1/2"	2.15			0.25	

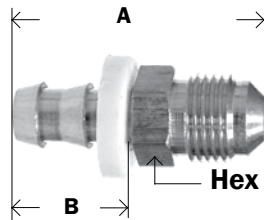
RIGID TUBE ADAPTER



294 303
100B-X 732
KA-RL 694

Part #	Hose I.D. x O.D Tube	A	B	Approx. Wt. Lbs.	
30-290	1/4" x 3/16"	1.68	0.77	0.04	
30-291	1/4" x 1/4"	1.88	0.77	0.04	
30-292	1/4" x 5/16"	1.88	0.77	0.04	
30-293	5/16" x 5/16"	1.91	0.79	0.04	
30-294	3/8" x 3/8"	2.03	0.92	0.06	
30-426	3/8" x 1/2"	1.81	0.97	0.04	
30-297	1/2" x 1/2"	2.13	1.02	0.06	
30-298	5/8" x 5/8"	2.61	1.50	0.10	
30-299	3/4" x 3/4"	2.61	1.50	0.25	

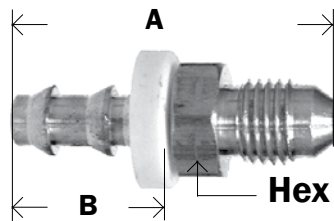
MALE SAE FLARE ADAPTER



945
100B-3 682
KA-MS 302
727 282

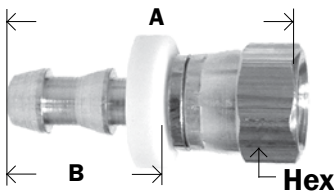
Part #	Hose I.D. x 45° Male Flare	UNF Thread	A	B	Hex	Approx. Wt. Lbs.	
30-240	1/4" x 1/4"	7/16-20	1.45	0.75	0.43	0.04	
30-241	1/4" x 5/16"	1/2-20	1.59	0.84	0.50	0.04	
30-249	5/16" x 5/16"	1/2-20	1.60	0.80	0.50	0.06	
30-271	3/8" x 5/16"	1/2-20	1.64	0.86	0.50	0.08	
30-243	3/8" x 3/8"	5/8-18	1.83	0.92	0.62	0.08	
30-245	1/2" x 1/2"	3/4-16	1.98	1.02	0.875	0.10	
30-246	5/8" x 5/8"	7/8-14	2.73	1.50	0.87	0.19	
30-247	3/4" x 3/4"	1-1/16-14	2.98	1.50	1.06	0.32	

37° MALE JIC FLARE ADAPTER



Part #	Hose I.D. x Male JIC	UNF Thread	A	B	Hex	Approx. Wt. Lbs.	
32-900	1/4" x 1/4"	7/16-20	1.57	0.84	0.50	0.04	
32-901	1/4" x 5/16"	1/2-20	1.60	0.83	0.56	0.04	
32-906	1/4" x 3/8"	9/16-18	1.63	0.77	0.62	0.05	
32-902	3/8" x 3/8"	9/16-18	1.78	0.97	0.62	0.06	
32-903	1/2" x 1/2"	3/4-16	1.97	0.97	0.75	0.10	
32-907	5/8" x 5/8"	7/8-14	2.62	1.50	0.93	0.19	
32-905	3/4" x 3/4"	1-1/16-12	2.79	1.50	1.12	0.29	

SAE/JIC DUAL 45°/37° FEMALE SWIVEL



29FDS
287
HDF
309
735
690
P990-K
305
935/ 934

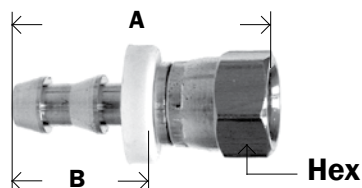
Part #	Hose I.D. x Dual Seat	UNF Thread	A	B	Hex	Approx. Wt. Lbs.	
30-230 *	1/4" x 1/4"	7/16-20	1.53	0.87	0.56	0.06	
30-231	1/4" x 5/16"	1/2-20	1.57	0.87	0.62	0.04	
30-232	5/16" x 5/16"	1/2-20	1.56	0.87	0.62	0.04	
30-427	3/8" x 5/16"	1/2-20		0.87	0.62	0.06	
30-233	3/8" x 1/2"	3/4-16	1.79	0.97	0.87	0.10	
30-234 *	1/2" x 1/2"	3/4-16	1.77	0.97	0.87	0.10	
30-235	1/2" x 5/8"	7/8-14	1.84	0.97	1.00	0.12	
30-236	5/8" x 1/2"	3/4-16	2.27	1.45	0.87	0.18	
30-237	5/8" x 5/8"	7/8-14	2.33	1.45	1.00	0.14	
30-428	3/4" x 5/8"	7/8-14		1.45	1.00	0.20	

* See page 34 for stainless

PUSH ON HOSE BARB

BRASS FITTINGS

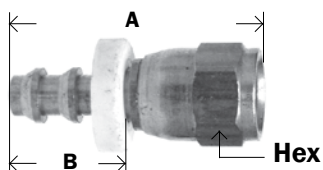
45° SAE FLARE FEMALE SWIVEL



30882
728 100S-4
P990-H KA-NS
29AEPO HSF
307 684
284 934

Part #	Hose I.D. x 45° Female Flare	UNF Thread	A	B	Hex	Approx. Wt. Lbs.	
30-250	1/4" x 1/4"	7/16-20	1.54	0.87	0.56	0.04	
30-251	1/4" x 5/16"	1/2-20	1.57	0.87	0.62	0.04	
30-253	1/4" x 3/8"	5/8-20	1.63	0.87	0.75	0.06	
30-254	5/16" x 5/16"	1/2-20	1.58	0.87	0.68	0.06	
30-260	5/16" x 3/8"	5/8-18	1.63	0.87	0.75	0.08	
30-252	3/8" x 3/8"	5/8-18	1.73	0.97	0.75	0.10	
30-257	3/8" x 1/2"	3/4-16	1.85	0.87	0.87	0.10	
30-261	1/2" x 3/8"	5/8-18	1.92	1.05	0.75	0.10	
30-255	1/2" x 1/2"	3/4-16	1.77	0.97	0.87	0.12	
30-258	5/8" x 5/8"	7/8-14	2.35	1.45	1.00	0.14	
30-259	3/4" x 3/4"	1-1/16-14	2.42	1.45	1.25	0.22	

FEMALE 37° JIC FLARE SWIVEL



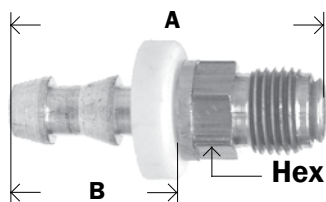
JF 288
944/934 100B-6
29J1CPO 308
HJF P990-F
688 30682
738 KA-NJ

Part #	Hose I.D. x Female JIC	UNF Thread	A	B	Hex	Approx. Wt. Lbs.	
30-265	1/4" x 1/4"	7/16-20	1.54	0.87	0.56	0.04	
30-264	1/4" x 3/8"	9/16-18	1.60	0.87	0.68	0.06	
30-270	5/16" x 3/8"	9/16-18	1.60	0.82	0.68	0.06	
30-266 *	3/8" x 3/8"	9/16-18	1.70	0.97	0.68	0.08	
30-267	1/2" x 1/2"	3/4-16	1.78	0.97	0.87	0.10	
30-268	5/8" x 5/8"	7/8-14	2.33	1.45	1.00	0.14	
30-269 *	3/4" x 3/4"	1-1/16-12	2.40	1.45	1.25	0.22	
30-429	1" x 1"	1-5/16-12		1.45	1.50	0.39	

* See page 34 for stainless

• More sizes available

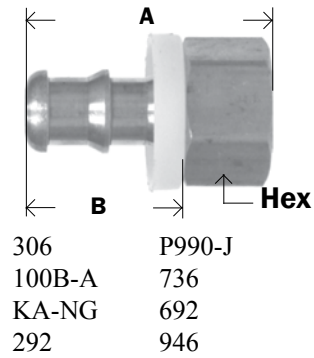
INVERTED FLARE MALE SWIVEL



290
100B-B
KA-MF
1MS
947

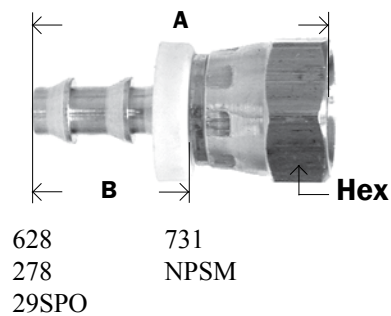
Part #	Hose I.D. x Male INV Flare	UNF Thread	A	B	Hex	Approx. Wt. Lbs.	
30-275	1/4" x 3/16"	3/8-24	1.52	0.87	0.37	0.04	
30-276	1/4" x 1/4"	7/16-24	1.56	0.87	0.43	0.04	
30-277	1/4" x 5/16"	1/2-20	1.62	0.87	0.50	0.04	
30-278	5/16" x 1/4"	7/16-24	1.56	0.87	0.43	0.06	
30-280	5/16" x 5/16"	1/2-20	1.62	0.87	0.50	0.06	
30-283	5/16" x 3/8"	5/8-18	1.63	0.87	0.62	0.06	
30-284	3/8" x 5/16"	1/2-20	1.72	0.97	0.50	0.06	
30-279	3/8" x 3/8"	5/8-18	1.76	0.97	0.62	0.06	
30-282	1/2" x 1/2"	3/4-18	1.84	0.97	0.75	0.10	
30-286	5/8" x 5/8"	7/8-18	2.50	1.57	0.87	0.14	

INVERTED FLARE FEMALE ADAPTER



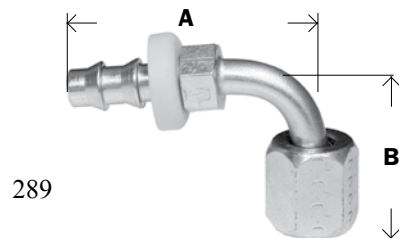
Part #	Hose I.D. x Female INV Flare	A	B	Hex	Approx. Wt. Lbs.	
30-310	1/4" x 3/16"	1.12	0.84	0.50	0.02	
30-311	1/4" x 1/4"	1.14	0.84	0.56	0.02	
30-312	1/4" x 5/16"	1.18	0.82	0.62	0.02	
30-316	5/16" x 5/16"	1.25	0.81	0.62	0.04	
30-313	3/8" x 5/16"	1.32	0.87	0.62	0.04	
30-314	3/8" x 3/8"	1.35	0.95	0.75	0.06	
30-315	1/2" x 1/2"	1.73	1.04	0.87	0.12	

FEMALE BALLSEAT SWIVEL



Part #	Hose I.D. x Female NPSM	A	B	Hex	Approx. Wt. Lbs.	
30-340	1/4" X 1/8"	1.39	0.85	0.50	0.06	
30-341	1/4" X 1/4"	1.47	0.80	0.68	0.06	
30-342	1/4" x 3/8"	1.40	0.77	0.68	0.09	
30-343	3/8" X 1/4"	1.61	0.97	0.68	0.08	
30-344	3/8" X 3/8"	1.75	0.95	0.81	0.10	
30-430	3/8" x 1/2"	1.79	0.97	0.93	0.11	
30-346	1/2" X 1/2"	1.88	1.09	0.93	0.12	
30-345	1/2" x 3/4"	2.36	1.02	1.18	0.18	
30-349	3/4" X 3/4"	2.36	1.55	1.18	0.22	

SAE/ JIC 37° / 45° FEMALE SWIVEL 90° ZINC PLATED STEEL



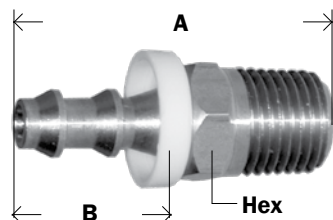
Part #	Hose I.D. x Female 37°/45°	UNF Thread	A	B	Approx. Wt. Lbs.	
30-480	1/4"	7/16-20	1.55	0.83	.064	
30-482	3/8"	9/16-18	1.85	0.91	.095	
30-483*	3/8"	5/8-18	1.98	0.85	.095	
30-484	1/2"	3/4-16	2.33	1.09	.171	
30-486	3/4"	1-1/16-12	3.26	1.81	.281	

* SAE

ALL OUR DREAMS CAN COME TRUE, IF WE HAVE THE COURAGE TO PURSUE THEM.

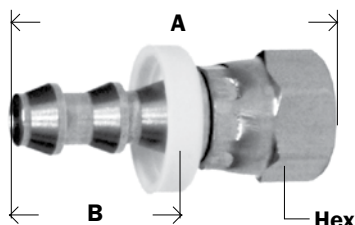
- WALT DISNEY

STAINLESS STEEL MALE ADAPTERS



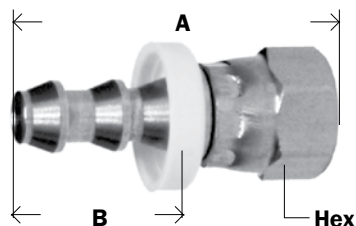
Part #	Hose I.D. x NPT	A	B	Hex	Approx. Wt. Lbs.	
30-200SS	1/4" x 1/8"	1.42	0.77	0.44	0.027	
30-201SS	1/4" x 1/4"	1.61	0.77	0.56	0.043	
30-203SS	3/8" x 1/4"	1.76	0.92	0.56	0.053	
30-204SS	3/8" x 3/8"	1.76	0.92	0.69	0.067	
30-206SS	1/2" x 3/8"	1.86	1.02	0.69	0.071	
30-207SS	1/2" x 1/2"	2.07	1.02	0.88	0.119	
30-215SS	3/4" x 1/2"	2.55	1.50	0.88	0.20	
30-210SS	3/4" x 3/4"	2.55	1.50	1.06	0.194	

STAINLESS STEEL SAE/ JIC 45° / 37° FEMALE SWIVEL



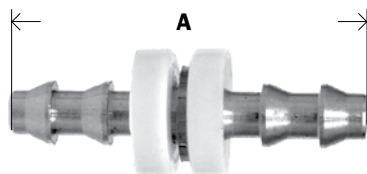
Part #	Hose I.D. x Female 45°/37°	A	B	Hex	Approx. Wt. Lbs.	
30-230SS	1/4" x 1/4"	2.03	0.97	0.56	0.023	
30-234SS	1/2" x 1/2"	2.06	0.97	0.88	0.04	

STAINLESS STEEL FEMALE 37° JIC FLARE SWIVEL



Part #	Hose I.D. x Female 37°	A	B	Hex	Approx. Wt. Lbs.	
30-266SS	3/8" x 3/8"	1.75	.92	1.06	0.065	
30-269SS	3/4" x 3/4"	2.53	1.50	1.25	0.259	

STAINLESS STEEL HOSE SPLICER



Part #	Hose I.D. x Tube O.D.	A	Approx. Wt. Lbs.	
30-300SS	1/4"	1.73	0.025	
30-301SS	3/8"	2.05	0.051	
30-302SS	1/2"	2.25	0.073	