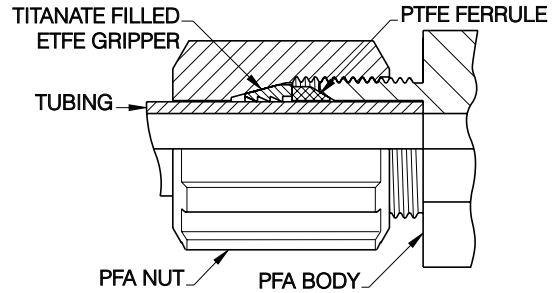




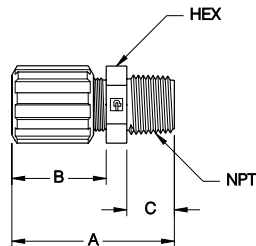
# Pargrip PFA Products and Assembly Instructions

## Assembly Procedure

1. Cut tubing evenly using a tube cutter:  
TCTR-1 for 1/8" - 1/2"  
TCTR-2 for 1/8" - 3/4".
2. Slip small end of the fitting nut over tubing.
3. Slip small end of the gripper onto tubing.
4. Slip large end of the ferrule onto tubing.
5. Slip tubing into the fitting body until bottomed out.
6. Tighten nut finger tight while assuring that tubing remains seated in bottom of fitting body.
7. Tighten nut at least one additional turn.

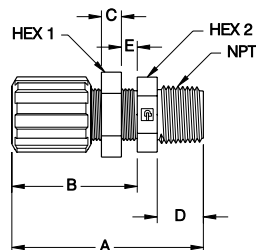


## Adaptor Male Straight



Part Number	Tube Size	NPT Size	Orifice		A		B		C		Hex Size
			inch	mm	inch	mm	inch	mm	inch	mm	
GAMS-22	1/8	1/8	0.09	2.29	1.59	40.39	0.75	19.05	0.55	13.97	1/2
GAMS-24	1/8	1/4	0.09	2.29	1.59	40.39	0.75	19.05	0.55	13.97	5/8
GAMS-42	1/4	1/8	0.18	4.57	2.06	52.32	1.22	30.99	0.55	13.97	5/8
GAMS-44	1/4	1/4	0.18	4.57	2.04	51.82	1.22	30.99	0.55	13.97	5/8
GAMS-46	1/4	3/8	0.18	4.57	2.09	53.09	1.26	32.00	0.55	13.97	13/16
GAMS-48	1/4	1/2	0.18	4.57	2.15	54.61	1.20	30.48	0.66	16.76	13/16
GAMS-412	1/4	3/4	0.18	4.57	2.08	52.83	1.13	28.70	0.67	17.02	1 3/16
GAMS-62	3/8	1/8	0.25	6.35	2.00	50.80	1.16	29.46	0.55	13.97	13/16
GAMS-64	3/8	1/4	0.25	6.35	1.93	49.02	1.11	28.19	0.55	13.97	13/16
GAMS-66	3/8	3/8	0.25	6.35	1.96	49.78	1.13	28.70	0.55	13.97	13/16
GAMS-68	3/8	1/2	0.25	6.35	2.06	52.32	1.11	28.19	0.65	16.51	15/16
GAMS-84	1/2	1/4	0.29	7.37	2.06	52.32	1.23	31.24	0.55	13.97	15/16
GAMS-86	1/2	3/8	0.38	9.65	2.07	52.58	1.23	31.24	0.55	13.97	15/16
GAMS-88	1/2	1/2	0.38	9.65	2.18	55.37	1.23	31.24	0.66	16.76	15/16
GAMS-812	1/2	3/4	0.38	9.65	2.15	54.61	1.23	31.24	0.65	16.51	1 3/16
GAMS-128	3/4	1/2	0.54	13.72	2.39	60.71	1.44	36.58	0.67	17.02	1 3/16
GAMS-1212	3/4	3/4	0.63	15.88	2.38	60.45	1.44	36.58	0.66	16.76	1 3/16

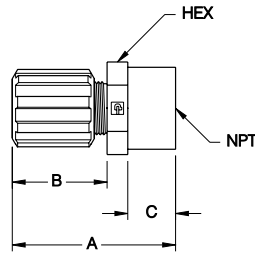
## Adaptor Male Straight, Panel Mount



Part Number	Tube Size	NPT Size	Orifice		A		B		C		D		E (max.)		Hole Size		Hex 1 Size	Hex 2 Size
			inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
GAMS-44-P	1/4	1/4	0.18	4.57	2.49	63.25	1.69	42.93	0.29	7.37	0.55	13.97	0.25	6.35	0.50	12.70	11/16	11/16
GAMS-66-P	3/8	3/8	0.25	6.35	2.40	60.96	1.56	39.62	0.29	7.37	0.55	13.97	0.25	6.35	0.63	16.00	15/16	13/16
GAMS-88-P	1/2	1/2	0.38	9.65	2.64	67.06	1.69	42.93	0.29	7.37	0.66	16.76	0.25	6.35	0.75	19.05	1 1/16	15/16
GAMS-1212-P	3/4	3/4	0.63	15.88	3.08	78.23	2.07	52.58	0.29	7.37	0.65	16.51	0.5	12.70	1.00	25.40	1 5/16	1 3/16

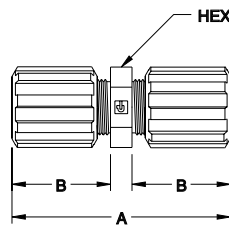
# Pargrip PFA Tube Fittings

## Adaptor Female Straight



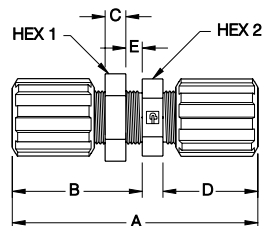
Part Number	Tube Size	NPT Size	Orifice		A		B		C		Hex Size
			inch	mm	inch	mm	inch	mm	inch	mm	
GAFS-22	1/8	1/8	0.09	2.29	1.60	40.64	0.75	19.05	0.56	14.22	5/8
GAFS-24	1/8	1/4	0.09	2.29	1.61	40.89	0.75	19.05	0.57	14.48	3/4
GAFS-42	1/4	1/8	0.18	4.57	1.98	50.29	1.13	28.70	0.56	14.22	5/8
GAFS-44	1/4	1/4	0.18	4.57	1.98	50.29	1.13	28.70	0.56	14.22	3/4
GAFS-46	1/4	3/8	0.18	4.57	1.97	50.04	1.13	28.70	0.55	13.97	15/16
GAFS-48	1/4	1/2	0.18	4.57	2.08	52.83	1.13	28.70	0.66	16.76	1 3/16
GAFS-64	3/8	1/4	0.25	6.35	1.96	49.78	1.13	28.70	0.56	14.22	3/4
GAFS-66	3/8	3/8	0.25	6.35	1.97	50.04	1.13	28.70	0.55	13.97	15/16
GAFS-68	3/8	1/2	0.25	6.35	2.06	52.32	1.11	28.19	0.67	17.02	1
GAFS-84	1/2	1/4	0.31	7.87	2.04	51.82	1.21	30.73	0.56	14.22	3/4
GAFS-86	1/2	3/8	0.38	9.65	2.03	51.56	1.21	30.73	0.55	13.97	15/16
GAFS-88	1/2	1/2	0.37	9.40	2.16	54.86	1.22	30.99	0.66	16.76	1 1/18
GAFS-812	1/2	3/4	0.38	9.65	2.15	54.61	1.23	31.24	0.67	17.02	1 3/16
GAFS-816	1/2	1	0.38	9.65	2.35	59.69	1.23	31.24	0.85	21.59	1 5/8
GAFS-1212	3/4	3/4	0.62	15.75	2.39	60.71	1.43	36.32	0.67	17.02	1 3/16

## Straight Connector



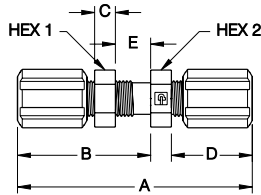
Part Number	Tube Size	Orifice		A		B		Hex Size
		inch	mm	inch	mm	inch	mm	
GSC-2	1/8	0.09	2.29	1.79	45.47	0.75	19.05	1/2
GSC-4	1/4	0.18	4.57	2.55	64.77	1.13	28.70	5/8
GSC-6	3/8	0.25	6.35	2.53	64.26	1.12	28.45	13/16
GSC-8	1/2	0.38	9.65	2.75	69.85	1.23	31.24	15/16
GSC-12	3/4	0.63	15.88	3.16	80.26	1.43	36.32	1 3/16

## Straight Connector, Panel Mount



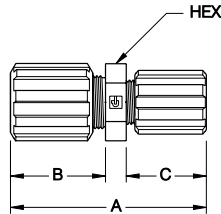
Part Number	Tube Size	Orifice		A		B		C		D		E (max.)		Hole Size		Hex 1 Size	Hex 2 Size
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
GSC-2-P	1/8	0.09	2.29	2.28	57.91	1.24	31.50	0.19	4.83	0.75	19.05	0.25	6.35	0.32	8.13	1/2	1/2
GSC-4-P	1/4	0.18	4.57	3.11	78.99	1.67	42.42	0.29	7.37	1.15	29.21	0.25	6.35	0.50	12.70	11/16	11/16
GSC-6-P	3/8	0.25	6.35	2.95	74.93	1.54	39.12	0.29	7.37	1.12	28.45	0.25	6.35	0.63	16.00	15/16	13/16
GSC-8-P	1/2	0.38	9.65	3.21	81.53	1.72	43.69	0.29	7.37	1.21	30.73	0.25	6.35	0.75	19.05	1 1/16	15/16
GSC-12-P	3/4	0.63	16.00	3.82	97.03	2.08	52.83	0.29	7.37	1.45	36.83	0.25	6.35	1.00	25.40	1 5/16	1 3/16

## Straight Connector Panel Mount, Extended



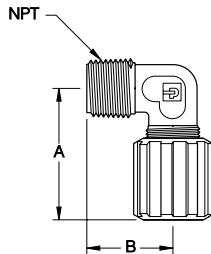
Part Number	Tube Size	Orifice		A		B		C		D		E (max.)		Hole Size		Hex 1 Size	Hex 2 Size
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
GSC-4-PX	1/4	0.18	4.57	3.28	83.31	1.86	47.24	0.29	7.37	1.13	28.70	0.50	12.70	0.50	12.70	11/16	11/16

## Straight Connector Reducer



Part Number	Tube Size	Orifice		A		B		C		Hex Size
		inch	mm	inch	mm	inch	mm	inch	mm	
GSCR-42	1/4 X 1/8	0.09	2.29	2.17	55.12	1.13	28.70	0.75	19.05	5/8
GSCR-64	3/8 X 1/4	0.18	4.57	2.54	64.52	1.12	28.45	1.13	28.70	11/16
GSCR-82	1/2 X 1/8	0.09	2.29	2.37	60.20	1.33	33.78	0.75	19.05	15/16
GSCR-84	1/2 X 1/4	0.18	4.57	2.67	67.82	1.23	31.24	1.15	29.21	15/16
GSCR-86	1/2 X 3/8	0.25	6.35	2.55	64.77	1.19	30.23	1.07	27.18	15/16
GSCR-128	3/4 X 1/2	0.37	9.40	2.92	74.17	1.42	36.07	1.21	30.73	1 3/16

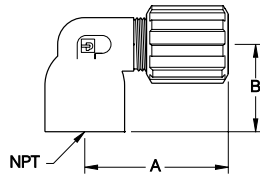
## Adaptor Male Elbow



Part Number	Tube Size	NPT Size	Orifice		A		B	
			inch	mm	inch	mm	inch	mm
GAME-24	1/8	1/4	0.09	2.29	1.27	32.26	1.07	27.18
GAME-42	1/4	1/8	0.18	4.57	1.66	42.16	1.08	27.43
GAME-44	1/4	1/4	0.18	4.57	1.64	41.66	1.07	27.18
GAME-46	1/4	3/8	0.18	4.57	1.71	43.43	1.08	27.43
GAME-48	1/4	1/2	0.18	4.57	1.66	42.16	1.19	30.23
GAME-62	3/8	1/8	0.20	5.08	1.63	41.40	1.07	27.18
GAME-64	3/8	1/4	0.25	6.35	1.62	41.15	1.07	27.18
GAME-66	3/8	3/8	0.25	6.35	1.63	41.40	1.07	27.18
GAME-68	3/8	1/2	0.25	6.35	1.63	41.40	1.18	29.97
GAME-84	1/2	1/4	0.29	7.37	1.74	44.20	1.08	27.43
GAME-86	1/2	3/8	0.38	9.65	1.71	43.43	1.08	27.43
GAME-88	1/2	1/2	0.38	9.65	1.74	44.20	1.18	29.97
GAME-812	1/2	3/4	0.38	9.65	1.89	48.01	1.36	34.54
GAME-128	3/4	1/2	0.54	13.72	2.15	54.61	1.37	34.80
GAME-1212	3/4	3/4	0.63	16.00	2.13	54.10	1.35	34.29

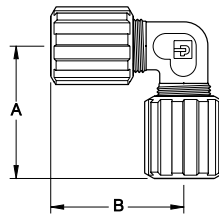
# Pargrip PFA Tube Fittings

## Adaptor Female Elbow



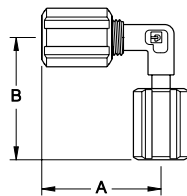
Part Number	Tube Size	NPT Size	Orifice		A		B	
			inch	mm	inch	mm	inch	mm
GAFE-22	1/8	1/8	0.09	2.29	1.45	36.83	0.83	21.08
GAFE-24	1/8	1/4	0.09	2.29	1.42	36.07	0.97	24.64
GAFE-44	1/4	1/4	0.16	4.06	1.82	46.23	0.97	24.64
GAFE-64	3/8	1/4	0.25	6.35	1.81	45.97	0.94	23.88
GAFE-66	3/8	3/8	0.25	6.35	1.81	45.97	1.00	25.40
GAFE-68	3/8	1/2	0.25	6.35	1.77	44.96	1.23	31.24
GAFE-88	1/2	1/2	0.38	9.55	1.93	49.02	1.23	31.24

## Elbow Connector



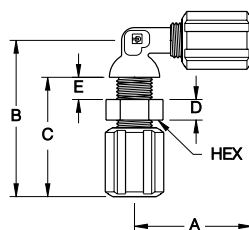
Part Number	Tube Size	Orifice		A		B	
		inch	mm	inch	mm	inch	mm
GEC-2	1/8	0.09	2.29	1.27	32.26	1.27	32.26
GEC-4	1/4	0.18	4.57	1.66	42.16	1.66	42.16
GEC-6	3/8	0.25	6.22	1.61	40.89	1.61	40.89
GEC-8	1/2	0.37	9.47	1.74	44.20	1.74	44.20
GEC-12	3/4	0.62	15.75	2.11	53.59	2.11	53.59

## Elbow Connector, Redi-flare



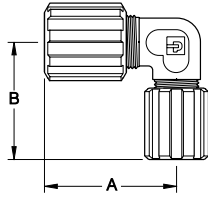
Part Number	Tube Size	Orifice		A		B	
		inch	mm	inch	mm	inch	mm
GEC-4RF4	1/4 X 1/4	0.13	3.30	1.65	41.91	1.70	43.18

## Elbow Connector, Panel Mount



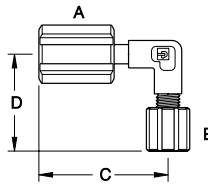
Part Number	Tube Size	Orifice		A		B		C		D		E (max.)		Hole Size		Hex Size
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
GEC-4-P	1/4	0.18	4.57	1.63	41.40	2.20	55.88	1.68	42.67	0.29	7.37	0.25	6.35	0.50	12.70	11/16

## Elbow Connector Reducer



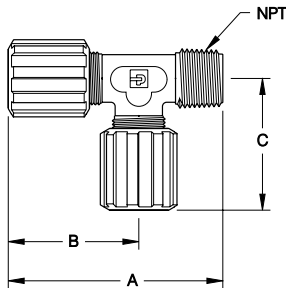
Part Number	Tube Size	Orifice		A		B	
		inch	mm	inch	mm	inch	mm
GECR-42	1/4 X 1/8	0.09	2.29	1.64	41.66	1.26	32.00
GECR-64	3/8 X 1/4	0.18	4.50	1.65	41.91	1.61	40.89
GECR-84	1/2 X 1/4	0.17	4.42	1.67	42.42	1.73	43.94
GECR-86	1/2 X 3/8	0.25	6.22	1.70	43.18	1.59	40.39

## Elbow Connector Reducer, Redi-flare



Part Number	A	B	Orifice		C		D	
	Tube Size Redi-flare X Pargrip	inch	mm	inch	mm	inch	mm	
GECR-4RF2	1/4 X 1/8	0.09	2.29	1.70	43.18	1.27	32.26	

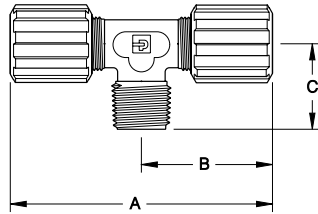
## Adaptor Male Tee



Part Number	Tube Size	NPT Size	Orifice		A		B		C	
			inch	mm	inch	mm	inch	mm	inch	mm
GAMT-222	1/8 X 1/8	1/8	0.09	2.29	2.35	59.69	1.27	32.26	1.26	32.00
GAMT-242	1/8 X 1/8	1/4	0.09	2.29	2.35	59.69	1.27	32.26	1.26	32.00
GAMT-424	1/4 X 1/4	1/8	0.18	4.57	2.74	69.60	1.66	42.16	1.66	42.16
GAMT-444	1/4 X 1/4	1/4	0.18	4.57	2.74	69.60	1.66	42.16	1.65	41.91
GAMT-646	3/8 X 3/8	1/4	0.25	6.35	2.73	69.34	1.65	41.91	1.65	41.91
GAMT-848	1/2 X 1/2	1/4	0.29	7.37	2.81	71.37	1.74	44.20	1.74	44.20
GAMT-888	1/2 X 1/2	1/2	0.37	9.40	2.93	74.42	1.76	44.70	1.73	43.94

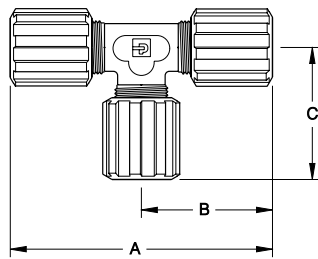
# Pargrip PFA Tube Fittings

## Branch Male Tee



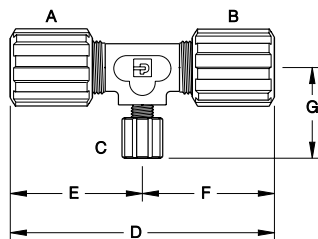
Part Number	Tube Size	NPT Size	Orifice		A		B		C	
			inch	mm	inch	mm	inch	mm	inch	mm
GBMT-222	1/8 X 1/8	1/8	0.09	2.29	2.55	64.77	1.28	32.51	1.07	27.18
GBMT-224	1/8 X 1/8	1/4	0.09	2.29	2.55	64.77	1.28	32.51	1.07	27.18
GBMT-442	1/4 X 1/4	1/8	0.18	4.57	3.39	86.11	1.69	42.93	1.08	27.43
GBMT-444	1/4 X 1/4	1/4	0.18	4.57	3.39	86.11	1.69	42.93	1.08	27.43
GBMT-662	3/8 X 3/8	1/8	0.25	6.35	3.26	82.80	1.63	41.40	1.07	27.18
GBMT-664	3/8 X 3/8	1/4	0.25	6.35	3.22	81.79	1.61	40.89	1.07	27.18
GBMT-666	3/8 X 3/8	3/8	0.25	6.35	3.26	82.80	1.63	41.40	1.07	27.18
GBMT-668	3/8 X 3/8	1/2	0.25	6.35	3.26	82.80	1.63	41.40	1.18	29.97
GBMT-884	1/2 X 1/2	1/4	0.29	7.37	3.47	88.14	1.74	44.20	0.88	22.35
GBMT-886	1/2 X 1/2	3/8	0.38	9.65	3.49	88.65	1.74	44.20	1.08	27.43
GBMT-888	1/2 X 1/2	1/2	0.37	9.47	3.48	88.39	1.74	44.20	1.17	29.72

## Tee Connector



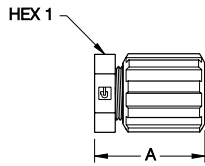
Part Number	Tube Size	Orifice		A		B		C	
		inch	mm	inch	mm	inch	mm	inch	mm
GTC-2	1/8	0.09	2.29	2.55	64.77	1.28	32.51	1.27	32.26
GTC-4	1/4	0.17	4.32	3.30	83.82	1.65	41.91	1.65	41.91
GTC-6	3/8	0.25	6.35	3.27	83.06	1.63	41.40	1.63	41.40
GTC-8	1/2	0.37	9.40	3.51	89.15	1.75	44.45	1.74	44.20
GTC-12	3/4	0.63	16.00	4.28	108.71	2.14	54.36	2.14	54.36

## Tee Connector Reducer



Part Number	A	B	C	Orifice		D		E		F		G	
	Tube Size	Tube Size	Tube Size	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
GTCR-224	1/8	1/8	1/4	0.09	2.29	2.56	65.02	1.28	32.51	1.28	32.51	1.65	41.91
GTCR-442	1/4	1/4	1/8	0.09	2.29	3.32	84.32	1.66	42.16	1.66	42.16	1.27	32.26
GTCR-466	1/4	3/8	3/8	0.18	4.45	3.31	83.82	1.66	41.91	1.65	41.91	1.65	41.91
GTCR-664	3/8	3/8	1/4	0.18	4.45	3.22	81.78	1.61	40.89	1.61	40.89	1.69	42.93
GTCR-882	1/2	1/2	1/8	0.09	2.29	3.70	93.98	1.85	46.99	1.85	46.99	1.28	32.51

## Tubing Plug



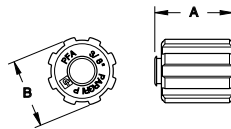
Part Number	Tube Size	A		Hex Size
		inch	mm	
GTPG-2	1/8	1.04	26.42	1/2
GTPG-4	1/4	1.42	36.07	11/16
GTPG-6	3/8	1.41	35.81	13/16
GTPG-8	1/2	1.56	39.62	3/4
GTPG-12	3/4	1.73	43.94	1 3/16

## Gripper



Part Number	Tube Size
1207-0023	1/8
1207-0001	1/4
1207-0002	3/8
1207-0003	1/2
1207-0004	3/4

## Fitting Cap



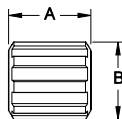
Part Number	Tube Size	A		B	
		inch	mm	inch	mm
GCAP-4	1/4	1.13	28.70	0.84	21.34
GCAP-6	3/8	1.09	27.69	0.97	24.64

## Ferrule



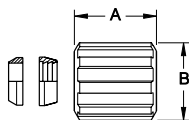
Part Number	Tube Size
1022-0002	1/8
1022-0004	1/4
1022-0006	3/8
1022-0008	1/2
1022-0012	3/4

## Fitting Nut PFA



Part Number	Tube Size	A		B	
		inch	mm	inch	mm
1213-0302	1/8	0.57	14.48	0.57	14.48
1213-0304	1/4	0.97	24.64	0.84	21.34
1213-0306	3/8	0.98	24.89	0.94	23.88
1213-0308	1/2	1.13	28.70	1.10	27.94
1213-0312	3/4	1.23	31.24	1.41	35.81

## Fitting Nut Assembly



Part Number	Tube Size	A		B	
		inch	mm	inch	mm
1202-0012	1/8	0.56	14.22	0.56	14.22
1202-0001	1/4	0.97	24.64	0.84	21.34
1202-0002	3/8	0.98	24.89	0.94	23.88
1202-0003	1/2	1.13	28.70	1.10	27.94
1202-0004	3/4	1.23	31.24	1.41	35.81



# Pargrip PFA Tube Fittings

## ***Notes***

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