



Metalflex

Stainless Steel and PTFE Flexible Hose Assemblies

POWERFORCE
1000

SIZE	SIZE MM	MAX WPR BAR@ 20 DEG C	MAX WPR @ 20 DEG C IN LBS/SQ IN.	MAX TEST PR BAR@ 20 DEG C	MAX TST PR @ 20 DEG CIN LBS/SQ IN.	MAX BURST PR BAR@ 20 DEG C	MAX BURST PR @ 20 DEG C IN LBS/SQ IN.	BEND RADIUS DYNAMIC MM	BEND RADIUS DYNAMIC INCH	NOM. OD MM	NOM. OD INCH	APPROX WT GMS/MT R	APPROX WT LBS/FT
1/4"	6	10	145	15	218	40	580	110	4.3	9.6	0.38	64	0.043
1/4"	6	140	2030	210	3045	560	8120	110	4.3	10.8	0.43	151	0.101
1/4"	6	250	3625	375	5438	1000	14500	110	4.3	13	0.51	240	0.161
5/16"	8	10	145	15	218	40	580	130	5.1	12.1	0.48	86	0.057
5/16"	8	125	1812.5	187.5	2719	500	7250	130	5.1	13.6	0.54	190	0.127
5/16"	8	190	2755	285	4133	760	11020	130	5.1	14.8	0.58	294	0.197
3/8"	10	10	145	15	218	40	580	150	5.9	14.1	0.56	100	0.067
3/8"	10	100	1450	150	2175	400	5800	150	5.9	15.7	0.62	222	0.149
3/8"	10	150	2175	225	3263	600	8700	150	5.9	16.9	0.67	344	0.230
1/2"	12	5	72.5	7.5	109	20	290	165	6.5	16.7	0.66	115	0.077
1/2"	12	90	1305	135	1958	360	5220	165	6.5	18.2	0.72	254	0.170
1/2"	12	130	1885	195	2828	520	7540	165	6.5	19.4	0.76	393	0.263
5/8"	16	5	72.5	7.5	109	20	290	195	7.7	21.9	0.86	200	0.134
5/8"	16	65	942.5	97.5	1414	260	3770	195	7.7	23.5	0.93	435	0.291
5/8"	16	105	1522.5	157.5	2284	420	6090	195	7.7	24.7	0.97	670	0.449
3/4"	20	5	72.5	7.5	109	20	290	225	8.9	26.7	1.05	275	0.184
3/4"	20	55	797.5	82.5	1196	220	3190	225	8.9	28.2	1.11	536	0.359
3/4"	20	93	1348.5	139.5	2023	372	5394	225	8.9	29.4	1.16	797	0.534
1"	25	4	58	6	87	16	232	260	10.2	32.3	1.27	370	0.248
1"	25	48	696	72	1044	192	2784	260	10.2	33.8	1.33	787	0.528
1"	25	77	1116.5	115.5	1675	308	4466	260	10.2	35.4	1.39	1205	0.807
1.1/4"	32	3	43.5	4.5	65	12	174	300	11.8	41.2	1.62	542	0.363
1.1/4"	32	38	551	57	827	152	2204	300	11.8	43	1.69	1037	0.695
1.1/4"	32	62	899	93	1349	248	3596	300	11.8	44.6	1.76	1531	1.026
1.1/2"	40	2	29	3	44	8	116	340	13.4	49.5	1.95	634	0.425
1.1/2"	40	34	493	51	740	136	1972	340	13.4	51.3	2.02	1191	0.798
1.1/2"	40	46	667	69	1001	184	2668	340	13.4	52.9	2.08	1747	1.171
2"	50	1	14.5	1.5	22	4	58	390	15.4	60.7	2.39	911	0.610
2"	50	31	449.5	46.5	674	124	1798	390	15.4	62.6	2.46	1780	1.193
2"	50	43	623.5	64.5	935	172	2494	390	15.4	64.6	2.54	2650	1.775
2.1/2"	65	1	14.5	1.5	22	4	58	460	18.1	76.3	3.00	1227	0.822
2.1/2"	65	27	391.5	40.5	587	108	1566	460	18.1	78.9	3.11	2404	1.611
2.1/2"	65	37	536.5	55.5	805	148	2146	460	18.1	80.9	3.19	3581	2.399
3"	80	1	14.5	1.5	22	4	58	660	26.0	94.5	3.72	1893	1.268
3"	80	24	348	36	522	96	1392	660	26.0	97.1	3.82	3387	2.269
3"	80	34	493	51	740	136	1972	660	26.0	99.1	3.90	4881	3.270
4"	100	0.7	10.15	1.05	15	2.8	40.6	750	29.5	114.2	4.50	2602	1.744
4"	100	17	217.5	22.5	326	60	870	750	29.5	116.7	4.59	4220	2.828
4"	100	20	261	27	392	72	1044	750	29.5	118.7	4.67	5839	3.912
5"	125	0.7	10.15	1.05	15	2.8	40.6	1000	39.4	155	6.10	2864	1.919
5"	125	14	203	21	305	56	812	1000	39.4	157.5	6.20	5531	3.706
5"	125	19	275.5	28.5	413	76	1102	1000	39.4	159.9	6.30	8198	5.492
6"	150	0.5	7.25	0.75	11	2	29	1250	49.2	180	7.09	3273	2.193
6"	150	10	130.5	13.5	196	36	522	1250	49.2	182.5	7.19	5986	4.011
6"	150	15	203	21	305	56	812	1250	49.2	184.9	7.28	8699	5.828
8"	200	0.3	4.35	0.45	7	1.2	17.4	1600	63.0	233	9.17	4818	3.228
8"	200	8	116	12	174	32	464	1600	63.0	236	9.29	8967	6.008
8"	200	14	203	21	305	56	812	1600	63.0	238.68	9.40	13117	8.788
10"	250	0.25	3.625	0.375	5	1	14.5	2000	78.7	282	11.10	7244	4.854
10"	250	6	87	9	131	24	348	2000	78.7	285	11.22	12900	8.643
10"	250	10	145	15	218	40	580	2000	78.7	287.8	11.33	18555	12.432

PLEASE NOTE NORMAL TOLERANCES ARE APPLICABLE TO ALL VALUES.