

Table 1 - 6.625" ID Cylinders

Description	OD (in)	ID (in)	Length (in)	Min Wall (in)	Work Press (psi)	Test Press (psi)	Nom Weight (lb)	Min Volume (cu in)	Bach Stress (psi)	K x 10 ⁻⁷	Reject EE (cc)	NWSA Number
3A MEDICAL M FORGED	7.075	6.625	43.000	0.185	2015	3360	75	1320	54,100	1.27	87	11012
3AA SCM PLATE	7.000	6.625	43.000	0.160	2015	3360	52	1320	62,100	1.42	123	11024
3AA 125 SCF FORGED	7.025	6.625	43.000	0.160	2265	3775	67	1320	69,722	1.30	113	12520
3AA 125 SCM PLATE	7.025	6.625	43.000	0.160	2265	3775	52	1320	69,800	1.42	123	12528
3AA 125 CF SPUN	7.025	6.625	43.000	0.160	2265	3775	66	1320	69,772	1.35	118	12530
3AA 110 SCF FORGED	7.000	6.625	43.000	0.145	2015	3360	66	1320	68,166	1.30	113	11020
3AA MEDICAL M FORGED	7.000	6.625	43.000	0.145	2015	3360	66	1320	68,200	1.27	110	11022
3AA 110 CF SCM SPUN	6.995	6.625	43.000	0.145	2015	3360	64	1320	68,215	1.35	117	11030
3A 110 SCF GFEC SPUN	7.131	6.625	42.750	0.213	2015	3360	72	1320	47,400	1.30	90	11010
3A 125 SCF GFEC SPUN	7.131	6.625	42.750	0.213	2265	3775	72	1320	53,254	1.30	113	12510
3AA 125 SCF SCM SPUN	7.031	6.625	42.000	0.163	2265	3775	58	1320	69,642	1.35	118	12529
3AA 110 SCM PLATE	6.995	6.625	42.000	0.145	2015	3360	52	1320	68,215	1.30	123	11023
3AA 110 SCF SCM SPUN	6.995	6.625	42.000	0.145	2015	3360	58	1320	69,662	1.35	117	11029
3AA GAS SAMPLING	7.021	6.625	39.750	0.158	2015	3360	68	1155	62,800	1.12	85	13927
3AA GAS SAMPLING	7.021	6.625	34.500	0.158	2015	3360	63	982	62,800	1.12	72	13427
3AA 90 SCF FORGED	7.025	6.625	33.250	0.160	2215	3700	55	980	68,400	1.27	82	09020
3AA 90 SCF SCM PLATE	7.025	6.625	33.250	0.160	2215	3700	42	1010	69,024	1.40	93	09022
3AA 80 SCF INFLEX SPUN	7.035	6.625	32.875	0.165	2015	3360	56	958	63,523	1.30	82	08030
3A 80 SCF FORGED	7.075	6.625	32.500	0.185	2015	3360	63	960	54,100	1.27	63	08210
3AA 80 SCF FORGED	6.995	6.625	32.500	0.145	2015	3360	54	960	68,200	1.27	80	08220
3AA 80 SCF SCM PLATE	6.995	6.625	31.000	0.145	2015	3360	40	920	68,215	1.30	79	08021
3AA 80 SCF SCM SPUN	6.995	6.625	31.000	0.145	2015	3360	50	920	69,662	1.35	82	08029
3A LINDE Q FORGED	7.145	6.625	30.000	0.220	2215	3700	60	870	50,600	1.27	57	08110
3AA 80 SCF GFEC SPUN	7.131	6.625	30.000	0.213	2015	3360	65	960	47,400	1.30	65	08010
3AA 80 SCF FORGED	7.025	6.625	30.000	0.160	2215	3700	52	870	68,400	1.27	72	08020
3AA LINDE Q FORGED	6.995	6.625	30.000	0.145	2015	3360	50	870	68,265	1.30	76	08120
3A CO2 FORGED	7.105	6.625	29.500	0.200	2015	3360	56	855	50,300	1.27	56	02911
3AA CO2 FORGED	6.995	6.625	29.500	0.145	2015	3360	51	855	68,200	1.27	71	02921
3AA GAS SAMPLING	7.021	6.625	26.500	0.158	2015	3360	48	693	62,800	1.12	51	12627

Table 2 - 7" ID Cylinders

Description	OD (in)	ID (in)	Length (in)	Min Wall (in)	Work Press (psi)	Test Press (psi)	Nom Weight (lb)	Min Volume (cu in)	Bach Stress (psi)	K x 10 ⁻⁷	Reject EE (cc)	NWSA Number
3AA SUPER 198	7.440	7.000	49.000	0.180	2400	4000	87	1740	69,700	1.27	146	16820
3AA INDUSTRIAL	7.390	7.000	49.000	0.155	2015	3360	79	1740	67,500	1.27	145	16020
3AA SUPER 185	7.440	7.000	46.125	0.180	2400	4000	78	1630	69,654	1.27	137	15420
3AA 150 SCF	7.390	7.000	46.125	0.155	2015	3360	75	1630	67,500	1.27	136	15020
3AA LINDE S	7.390	7.000	46.125	0.155	2015	3360	75	1630	67,500	1.27	139	15122
3AA INDUSTRIAL	7.390	7.000	37.750	0.155	2015	3360	64	1310	67,500	1.27	109	11720
3AA CO2	7.390	7.000	24.750	0.155	2015	3360	47	816	67,500	1.27	68	02421

Table 3 - 8" ID Cylinders

Description	OD (in)	ID (in)	Length (in)	Min Wall (in)	Work Press (psi)	Test Press (psi)	Nom Weight (lb)	Min Volume (cu in)	Bach Stress (psi)	K x 10 ⁻⁷	Reject EE (cc)	NWSA Number
3A CO2	8.520	8.000	51.000	0.220	2015	3360	112	2340	54,900	1.30	159	05011
3A MEDICAL G	8.520	8.000	51.000	0.220	2015	3360	110	2340	54,900	1.30	159	05112
3A CO2	8.480	8.000	51.000	0.200	1800	3000	110	2340	53,700	1.30	158	05811
3AA CO2	8.430	8.000	51.000	0.175	2015	3360	97	2340	68,300	1.30	200	05021
3AA MEDICAL G	8.430	8.000	51.000	0.175	2015	3360	97	2340	68,300	1.30	200	05122
3AA HALON	8.430	8.000	51.000	0.175	2015	3360	97	2350	68,300	1.30	201	05128
3AA CO2	8.384	8.000	51.000	0.152	1800	3000	85	2340	69,800	1.30	199	05821
3A CO2	8.520	8.000	45.500	0.220	2015	3360	110	2040	54,900	1.30	138	05711
3A CO2	8.480	8.000	45.500	0.200	1800	3000	104	2040	53,700	1.30	138	05511
3AA CO2	8.384	8.000	45.500	0.152	1800	3000	89	2040	69,800	1.30	174	05321
3A CO2	8.520	8.000	35.250	0.220	2015	3360	85	1510	54,900	1.30	102	03511
3AA CO2	8.460	8.000	35.250	0.190	2015	3360	64	1510	63,100	1.30	129	03321
3AA CO2	8.430	8.000	35.250	0.175	2015	3360	68	1510	68,300	1.30	129	03521
3AA HALON	8.430	8.000	35.000	0.175	2015	3360	68	1480	68,300	1.30	126	03528
3A CO2	8.520	8.000	34.000	0.220	2015	3360	81	1450	54,900	1.30	98	03411
3A CO2	8.480	8.000	34.000	0.200	1800	3000	80	1450	53,700	1.30	101	03311
3AA CO2	8.460	8.000	34.000	0.190	2015	3360	62	1450	63,100	1.30	124	03421
3A CO2	8.520	8.000	25.500	0.220	2015	3360	67	1020	54,900	1.30	69	02511
3AA CO2	8.430	8.000	25.500	0.175	2015	3360	58	1020	68,300	1.30	87	02521
3A CO2	8.520	8.000	25.375	0.220	2015	3360	68	1040	54,900	1.30	70	02611
3A CO2	8.480	8.000	21.500	0.200	1800	3000	56	858	53,700	1.30	58	02111
3AA CO2	8.430	8.000	21.500	0.175	2015	3360	46	815	68,300	1.30	69	02121

Table 4 - 8.5" ID Cylinders - Page 1 of 2

Description	OD (in)	ID (in)	Length (in)	Min Wall (in)	Work Press (psi)	Test Press (psi)	Nom Weight (lb)	Min Volume (cu in)	Bach Stress (psi)	K x 10 ⁻⁷	Reject EE (cc)	NWSA Number
E9421 HC-4500 52.6 Liter	9.100	8.500	61.625	0.260	4500	6750	167	3210	99,777	1.30	412	52620
3AA 2901 50 Liter	9.114	8.500	58.625	0.267	2901	4835	165	3051	69,711	1.30	264	26750
E9421 HC-4500 50 Liter	9.100	8.500	58.625	0.260	4500	6750	160	3051	99,777	1.30	391	50052
E10047 50 Liter	9.006	8.500	58.625	0.213	2901	4351	143	3051	77,646	1.30	335	21330
E 10047/BS5045 50 Liter	9.006	8.500	58.625	0.213	2900	4351	142	3051	77,994	1.30	293	21336
3AA 75LB CO2	9.030	8.500	58.500	0.225	2300	3840	131	3057	65,100	1.30	263	07121
3AA 2901 47 Liter	9.114	8.500	55.000	0.267	2901	4835	156	2850	69,711	1.30	248	26747
3AA 2265 47 Liter	9.000	8.500	55.000	0.210	2265	3775	127	2870	68,281	1.30	246	38391
3AA 2176 47 Liter	8.980	8.500	55.000	0.200	2176	3630	123	2870	68,779	1.30	246	24720
3AA 47 Liter	8.966	8.500	55.000	0.193	2135	3560	125	2870	69,783	1.30	246	28120
E10047 LT-360	9.020	8.500	51.500	0.220	3300	4950	120	2640	85,666	1.30	290	36050
3AA ULTRA HP	9.790	8.500	51.000	0.605	6000	10000	310	2579	68,700	1.28	225	60023
3AA LINDE 6K	9.790	8.500	51.000	0.605	6000	10000	310	2579	68,700	1.28	214	60123
3AA ULTRA HP	9.680	8.500	51.000	0.550	5500	9170	310	2579	68,500	1.28	224	55023
3AA ULTRA HP	9.590	8.500	51.000	0.505	5000	8335	310	2579	67,200	1.28	223	50023
3AA Military	9.262	8.500	51.000	0.341	3500	5840	195	2640	67,100	1.30	229	35223
3AA ULTRA HP	9.262	8.500	51.000	0.341	3600	6000	183	2640	68,900	1.30	229	36023
3AA LINDE 3K	9.262	8.500	51.000	0.341	3600	6000	183	2640	68,900	1.30	217	36123
E9909 HC-6000	9.258	8.500	51.000	0.339	6000	9000	188	2640	103,929	1.30	350	60040
3AA ULTRA HP	9.242	8.500	51.000	0.331	3500	5840	183	2640	68,900	1.30	229	35023
3AA 2901 43 Liter	9.114	8.500	51.000	0.267	2901	4840	147	2640	69,783	1.30	228	26743
3A LINDE K	9.080	8.500	51.000	0.250	2015	3360	135	2640	51,500	1.30	175	22110
3A INDUSTRIAL	9.060	8.500	51.000	0.240	2015	3360	138	2640	53,600	1.30	179	22010
3A MEDICAL H	9.060	8.500	51.000	0.240	2015	3360	138	2640	53,600	1.30	179	22012
3AA Super 300	9.024	8.500	51.000	0.222	2400	4000	116	2640	68,700	1.30	227	25420
3AA LINDE LN	9.022	8.500	51.000	0.221	2265	3775	123	2640	65,000	1.30	220	25120
3AA INDUSTRIAL	9.000	8.500	51.000	0.210	2265	3775	116	2640	68,300	1.30	226	25020
3AA LINDE LN	9.000	8.500	51.000	0.210	2265	3775	116	2640	68,300	1.30	215	25122
3AA LINDE LK	8.972	8.500	51.000	0.196	2015	3360	114	2640	64,900	1.30	219	22120
147 bar DOT/BS 43.3 Liter	8.966	8.500	51.000	0.193	2132	3553	117	2640	69,653	1.30	226	47220
3AA INDUSTRIAL	8.950	8.500	51.000	0.185	2015	3360	112	2640	68,600	1.30	226	22020
3AA MEDICAL H	8.950	8.500	51.000	0.185	2015	3360	112	2640	68,600	1.30	226	22022
3AA LINDE LK	8.950	8.500	51.000	0.185	2015	3360	112	2640	68,600	1.30	222	22122
3AA INDUSTRIAL	8.920	8.500	51.000	0.170	1800	3000	110	2640	66,400	1.30	225	22720
3AA ULTRA HP	9.790	8.500	48.000	0.605	6000	10000	294	2409	68,700	1.28	211	60823
3AA ULTRA HP	9.262	8.500	48.000	0.341	3600	6000	176	2500	68,900	1.30	217	36823

Table 4 - 8.5" ID Cylinders - Page 2 of 2

Description	OD (in)	ID (in)	Length (in)	Min Wall (in)	Work Press (psi)	Test Press (psi)	Nom Weight (lb)	Min Volume (cu in)	Bach Stress (psi)	K x 10 ⁻⁷	Reject EE (cc)	NWSA Number
E9909 HC-6000 Short	9.258	8.500	48.000	0.339	6000	9000	180	2470	103,929	1.30	333	60042
3AA ULTRA HP	9.242	8.500	48.000	0.331	3500	5840	176	2500	68,900	1.30	217	35823
3AA 2901 40 Liter	9.114	8.500	48.000	0.267	2901	4835	140	2441	69,711	1.30	211	26740
3A INDUSTRIAL	9.060	8.500	48.000	0.240	2015	3360	128	2470	53,600	1.30	168	22810
E-10047 40 Liter	9.006	8.500	48.000	0.213	2901	4351	119	2441	77,646	1.30	268	21334
3AA 2265 40 Liter	9.000	8.500	48.000	0.210	2265	3775	120	2441	68,300	1.30	210	24020
3AA 2176 40 Liter	8.980	8.500	48.000	0.200	2176	3630	110	2441	68,779	1.30	209	26741
3AA 2132 40 Liter	8.966	8.500	48.000	0.193	2132	3560	111	2441	69,800	1.30	211	22621
3AA 2135 40.2 Liter	8.966	8.500	48.000	0.193	2135	3560	111	2451	69,783	1.30	210	22821
3AA INDUSTRIAL	8.950	8.500	48.000	0.185	2015	3360	110	2470	68,600	1.30	211	22820
3AA INDUSTRIAL	8.950	8.500	45.500	0.185	2015	3360	103	2325	68,600	1.30	203	21821
3AA CO2	8.920	8.500	45.500	0.170	1800	3000	105	2330	66,400	1.30	199	05721
3AA 2901 31.5 Liter	9.114	8.500	39.000	0.267	2901	4835	118	1922	69,711	1.30	166	26731
3AA ULTRA HP	9.790	8.500	25.000	0.605	6000	10000	165	1100	68,700	1.28	96	62523

Table 5 - 8.75" ID Cylinders

Description	OD (in)	ID (in)	Length (in)	Min Wall (in)	Work Press (psi)	Test Press (psi)	Nom Weight (lb)	Min Volume (cu in)	Bach Stress (psi)	K x 10 ⁻⁷	Reject EE (cc)	NWSA Number
E100047 LT-440	9.278	8.750	57.500	0.224	3300	4950	150	3184	86,561	1.30	353	44050
3AA NAT GAS 530	9.530	8.750	56.000	0.350	3600	6000	206	3050	69,100	1.30	265	53029
3AA 2901 50 Liter	9.382	8.750	56.000	0.276	2901	4859	170	3051	69,784	1.30	264	38379
E9421 HC-4500 50 Liter	9.350	8.750	56.000	0.260	4500	6750	156	3051	103,600	1.30	392	50050
3AA NAT GAS 378	9.290	8.750	56.000	0.230	2400	4000	140	3050	68,200	1.30	262	37829
3AA CO2	9.270	8.750	56.000	0.220	2300	3840	139	3060	68,300	1.30	262	07621
3AA INDUSTRIAL	9.252	8.750	56.000	0.211	2265	3775	136	3050	69,900	1.30	261	25920
3AA CO2	9.230	8.750	56.000	0.200	2015	3360	136	3055	65,400	1.30	261	07221
3AA HALON	9.230	8.750	56.000	0.200	2015	3360	136	3100	65,400	1.30	265	07228
3AA CO2	9.170	8.750	56.000	0.170	1800	3000	136	3055	68,300	1.30	261	07521
3AA2630 49 Liter	9.330	8.750	55.000	0.250	2630	4385	153	2990	69,116	1.30	258	18120
3AA LINDE T	9.314	8.750	55.000	0.242	2400	4000	145	2990	65,000	1.30	250	30220
3AA LINDE T	9.290	8.750	55.000	0.230	2400	4000	138	2990	68,200	1.30	258	30222
3AA 2400 300 SCF	9.278	8.750	55.000	0.224	2400	4000	138	2990	69,949	1.30	257	30020
3AA 2265	9.252	8.750	55.000	0.211	2265	3775	130	2990	69,900	1.30	256	31520
3AA 2015	9.230	8.750	55.000	0.200	2015	3360	134	2990	65,400	1.30	256	30820
MIL PART #C901	9.290	8.750	54.000	0.230	2400	4000	142	3040	68,200	1.30	252	30024
3AA 2265 47.5 Liter	9.252	8.750	53.750	0.211	2265	3775	130	2900	69,873	1.30	249	47520
E9421 HC-4500	9.350	8.750	51.000	0.260	4500	6750	145	2750	103,600	1.30	353	50040
E9421 HC-500	9.350	8.750	51.000	0.260	4500	6750	145	2750	103,600	1.30	353	50140
3AA INDUSTRIAL	9.290	8.750	51.000	0.230	2400	4000	132	2750	68,200	1.30	236	30120
E10047 LT-380	9.290	8.750	51.000	0.230	3300	4950	144	2750	84,419	1.30	298	38050
E9706 HC-3600	9.290	8.750	51.000	0.230	3600	5400	145	2750	92,100	1.30	324	40040
3AA INDUSTRIAL	9.278	8.750	51.000	0.224	2400	4000	131	2750	69,949	1.30	236	30224
3AA INDUSTRIAL	9.252	8.750	51.000	0.211	2265	3775	128	2750	69,900	1.30	236	30520
3AA INDUSTRIAL	9.230	8.750	51.000	0.200	2015	3360	128	2750	65,400	1.30	235	30420
3AA 2265 42 Liter	9.252	8.750	48.000	0.211	2265	3775	115	2565	69,873	1.30	220	30211
3AA 2132 42 Liter	9.230	8.750	48.000	0.200	2132	3553	113	2565	69,206	1.30	220	30121
3AA 2015 42 Liter	9.204	8.750	48.000	0.187	2015	3360	104	2565	69,788	1.30	220	30187
E9421 HC-445	9.350	8.750	46.125	0.260	4500	6750	134	2450	102,600	1.30	315	44540
282 CF NAT GAS	9.290	8.750	43.000	0.230	2400	4000	112	2300	68,200	1.30	198	28229
3AA INDUSTRIAL	9.290	8.750	40.000	0.230	2400	4000	105	2090	68,200	1.30	180	30620
E9421 HC-244	9.350	8.750	34.500	0.260	4500	6750	105	1728	102,534	1.30	222	24440
3AA CO2	9.270	8.750	29.750	0.220	2015	3360	90	1430	59,800	1.30	122	03921

Table 6 - 10" ID Cylinders

Description	OD (in)	ID (in)	Length (in)	Min Wall (in)	Work Press (psi)	Test Press (psi)	Nom Weight (lb)	Min Volume (cu in)	Bach Stress (psi)	K x 10 ⁻⁷	Reject EE (cc)	NWSA Number
3AA NAT GAS	10.600	10.000	58.000	0.260	2400	4000	200	4080	68,900	1.30	350	48529
3AA CO2	10.580	10.000	58.000	0.250	2300	3840	195	4080	68,700	1.31	353	10021
3AA HALON	10.460	10.000	58.000	0.190	1800	3000	197	4080	69,800	1.31	351	10028
3AA CO2	10.460	10.000	58.000	0.190	1800	3000	195	4080	69,800	1.31	351	15821
3AA INDUSTRIAL	10.600	10.000	56.000	0.260	2400	4000	194	3985	68,900	1.30	342	40020
3AA INDUSTRIAL	10.562	10.000	56.000	0.241	2265	3775	192	3985	69,900	1.30	342	40320
3AA NAT GAS	10.600	10.000	48.000	0.260	2400	4000	168	3397	68,900	1.30	292	41829
3AA CO2	10.580	10.000	48.000	0.250	2300	3840	164	3285	68,700	1.31	284	07821
3AA INDUSTRIAL	10.592	10.000	44.000	0.256	2400	4000	165	3080	69,950	1.30	258	37729
3AA CO2	10.580	10.000	44.000	0.250	2300	3840	165	3080	68,700	1.30	254	37723
3AA NAT GAS	10.600	10.000	43.000	0.260	2400	4000	154	3004	68,900	1.30	258	36929
3AA NAT GAS	10.600	10.000	40.000	0.260	2400	4000	130	2765	68,900	1.30	238	33929
3AA NAT GAS	10.572	10.000	40.000	0.246	2300	2840	130	2765	69,800	1.30	237	32529
3AA NAT GAS	10.600	10.000	38.000	0.260	2400	4000	145	2570	68,900	1.30	220	33829
3AA NAT GAS	10.600	10.000	38.000	0.260	2400	4000	145	2570	68,900	1.30	220	40820
3AA NAT GAS	10.600	10.000	36.000	0.260	2400	4000	119	2450	68,900	1.30	211	30129
3AA NAT GAS	10.572	10.000	36.000	0.246	2300	3840	119	2450	69,800	1.30	210	28829
3AA NAT GAS	10.600	10.000	28.000	0.260	2400	4000	120	1785	68,900	1.30	158	33729