

TUBE-HOSE-PIPE EQUIVALENTS (1)

SAE TUBE SIZE OD (IN) X WALL (IN)	SAE HOSE TYPE	PIPE SIZE & SCHEDULE	WORKING PRESSURE (PSIG)	AREA (SQ IN)	SAE TUBE SIZE (IN) X WALL	SAE HOSE TYPE	PIPE SIZE & SCHEDULE	WORKING PRESSURE (PSIG)	AREA (SQ IN)
.125 x .028	-3 100R10-A	1/2XXS	5600	.004	1.000 X .065	-14 100R2	1-80	1600	.594
.125 x .035	-3 100R10-A	1/2XXS	7000	.002	1.000 X .083	-14 100R2	1-160	2050	.546
.188 x .028	-3 100R8	1/2XXS	3750	.014	1.000 X .095	-16 100R9-A	1-160	2350	.515
.188 x .035	-3 100R8	1/2XXS	4650	.011	1.000 X .109	-16 100R9-A	1-160	2700	.480
.250 x .028	-4 100R2	1/2-160	2800	.030	1.000 X .120	-16 100R9-A	1-160	3000	.454
.250 x .035	-3 100R2	1/2-160	3500	.025	1.125 X .049	-20 100R2	1 1/4-80	1100	.828
.250 x .049	-3 100R2	1/2-XXS	4900	.018	1.125 X .065	-16 100R2	1 1/4-80	1450	.778
.250 x .065	-3 100R10-A	1/2-XXS	6500	.011	1.125 X .083	-16 100R2	1 1/4-160	1850	.722
.312 x .028	-5 100R1	1/2-80	2250	.052	1.125 X .095	-16 100R9-A	1 1/4-160	2100	.687
.312 x .035	-4 100R5	1/2-160	2800	.046	1.125 X .109	-16 100R-A	1 1/4- 160	2400	.646
.312 x .049	-4 100R2	1/2-160	3900	.036	1.125 X .120	-16 100R-A	1 1/4-XXS	2350	.615
.312 x .065	-3 100R10-A	1/2-XXS	5200	.026	1.250 X .049	-20 100R2	1 1/4-80	1000	1.042
.375 x .028	-6 100R1	3/8-80	1850	.080	1.250 X .065	-20 100R2	1 1/4-80	1300	.985
.375 x .035	-5 100R1	1/2-80	3250	.073	1.250 X .083	-20 100R9-A	1 1/4-160	1650	.923
.375 x .049	-5 100R2	1/2-160	3250	.060	1.250 X .095	-20 100R9-A	1 1/4-160	1900	.885
.375 x .065	-4 100R2	1/2-160	4350	.047	1.250 X .109	-20 100R9-A	1 1/4-160	2200	.836
.500 x .035	-8 100R1	1/2-80	1750	.145	1.250 X .120	-20 100R9-A	1 1/4-160	2400	.801
.500 x .049	-8 100R2	1/2-80	2450	.127	1.500 X .065	-24 100R2	1 1/2-80	1100	1.474
.500 x .065	-6 100R2	1/2-160	3250	.108	1.500 X .083	-20 100R9-A	1 1/2-80	1400	1.398
.500 x .083	-6 100R9	1/2-160	4150	.088	1.500 X .095	-20 100R9-A	1 1/2-160	1600	1.348
.625 x .035	-10 100R1	3/4-80	1400	.242	1.500 X .109	-20 100R9-A	1 1/2-160	1800	1.291
.625 x .049	-10 100R2	1/2-80	1950	.218	1.500 X .120	-20 100R9-A	1 1/2-160	2000	1.247
.625 x .065	-8 100R2	1/2-80	2600	.192	1.750 X .065	-32 100R2	2-80	925	2.061
.625 x .083	-8 100R2	1/2-160	3300	.165	1.750 X .083	-32 100R9-A	2-80	1200	11.971
.625 x .095	-8 100R9-A	1/2-160	3800	.149	1.750 X .095	-32 100R9-A	2-160	1350	1.911
.750 x .035	-12 100R1	3/4-80	1150	.363	1.750 X .109	-32 100R9-A	2-160	1550	1.843
.750 x .049	-12 100R2	3/4-80	1650	.334	1.750 X .120	-32 100R9-A	2-160	1700	1.791
.750 x .065	-10 100R2	3/4-160	2450	.302	2.000 X .065	-32 100R2	2-80	800	2.746
.750 x .083	-10 100R2	3/4-160	2750	.268	2.000 X .083	-32 10R2	2-80	1050	2.642
.750 x .095	-10 100R12	3/4-160	3150	.246	2.000 X .095	-32 100R9-A	2-80	1200	2.573
.750 x .109	-10 100R12	1-XXS	3650	.222	2.000 X .109	-32 100R9-A	2 1/2 -160	1350	2.494
.875 x .035	-14 100R1	1-80	1000	.509	2.000 X .120	.32 100R9-A	2 1/2-160	1500	2.433
.875 x .049	-14 100R2	1-80	1400	.474	2.000 X .134	-32 100R9-A	2 1/2-160	1650	2.356
.875 x .065	-12 100R2	1-160	1850	.436	2.250 X .065	-40 100R2	2 1/2-80	700	3.530
.875 x .083	-12 100R9-A	1-160	2350	.395	2.250 X .083	-40 100R2	2 1/2-80	900	3.411
.875 x .095	-12 100R6-A	1-160	2700	.369	2.250 X .095	-40 100R11	2 1/2-80	1050	3.333
.875 x .109	-12 100R10	1-160	3100	.339	2.250 X .109	-40 100R11	2 1/2-80	1200	3.243
1.000 x .035	-16 100R1	1-80	875	.679	2.250 X .120	-40 100R11	2 1/2-160	1350	3.173
1.000 x .049	-16 100R2	1-80	1200	.639	2.250 X .134	-32 100R10-A	2 1/2-160	1500	3.085

(1) NOTE: The working pressure (PSIG) is based on Table 1 of page 124. Hose sizes are based on page 129. The hose selection is the nearest size with greater or equal area and operating pressure. Other hoses may provide equal service. Pipe sizes are selected for threaded connections in accordance with page 104. Selections will vary with operating pressure. These equivalents are for the maximum operating pressures shown.