



Fluid Power Specialist

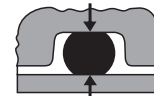


## Lenz Hydraulic Steel Tubing

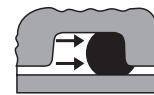
SIZE No.	O.D.	I.D.	WALL THICKNESS	G.P.M. FLOW	WORKING PRESSURE
4.035	0.25	0.180	0.035	1.2	2600
4.049	0.25	0.152	0.049	0.85	3920
5.035	0.31	0.242	0.035	2.15	2240
5.049	0.31	0.214	0.049	1.68	3136
6.035	0.38	0.305	0.035	3.45	1867
6.049	0.38	0.277	0.049	2.82	2613
6.065	0.38	0.245	0.065	2.2	3467
8.035	0.50	0.430	0.035	6.79	1400
8.049	0.50	0.402	0.049	5.92	1960
8.065	0.50	0.370	0.065	5.03	2600
10.049	0.62	0.527	0.049	10.2	1568
10.065	0.62	0.495	0.065	9	2080
10.095	0.62	0.435	0.095	6.94	3040
12.049	0.75	0.652	0.049	15.6	1307
12.065	0.75	0.620	0.065	14.1	1733
12.095	0.75	0.560	0.095	11.5	2533
12.109	0.75	0.532	0.109	10.4	2907
14.049	0.87	0.777	0.049	22.1	1120
14.065	0.87	0.745	0.065	20.4	1486
14.095	0.87	0.685	0.095	17.2	2171
16.065	1.00	0.870	0.065	27.8	1300
16.095	1.00	0.810	0.095	24.1	1900
16.120	1.00	0.760	0.120	21.2	2400
20.065	1.00	1.120	0.065	46	1040
20.095	1.25	1.060	0.095	41.2	1520
20.120	1.25	1.010	0.120	37.4	1920
24.095	1.50	1.310	0.095	63	1267
24.12	1.50	1.260	0.120	58.1	1600

The flow is based on a velocity of 15 ft per second and fluids having a maximum viscosity of 315 S.S.U.

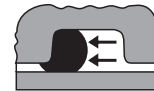
Safety factor of 5:1 means that the tubing will burst at 5 times the working pressure



**AT ZERO PRESSURE.** When the tube is inserted in the fitting past the O-Ring there is a slight compression and the resiliency of the O-Ring makes a secure, lasting seal!



**UNDER PRESSURE.** The pressure is the sealing force, pushing the O-Ring to the edge of the groove. As pressure increases the O-Ring "knows" making the seal tighter!



**UNDER VACUUM OR SUCTION.** If vacuum or suction is applied the O-Ring "Intelligence" recognizes the condition and reverses its action to seal just as tightly!

**HOW THE SPLIT RING GRIPS -** Note the taper. As nut is tightened the ring is wrapped around the tube, gripping it in like manner to a locking collet in a chuck. This principle grips and locks tighter and stronger as the pressure increases. Note that the nut has nothing to do with the seal . . . It is separate!

Lenz O-ring Seal tube fitting performs equally well on stainless steel tubing as with carbon steel tubing, but requires the use of stainless steel sleeves (#165-xxSS) and stainless steel buffer washers (#195-xx-SS), even when used with steel fittings. Example, when ordering: 100-12-12 with ss sleeves.

