



ECL SELECTION CHART

I.D.* (inches)	O.A.L. (inches)			Total Movement		Spring Rates	
	Fixed Flange	Fixed x Floating Flange	Sch Std Weld End	Axial (in.)	Lateral (in.)	Axial (lbs/in)	Lateral (lbs/in)
4	5-9/16	4-9/16	8-1/16	0.23	.032	1146	12279
	7-11/16	6-11/16	10-3/16	0.46	.126	573	1536
				0.75	.334	352	357
5	5-13/16	4-15/16	8-5/16	0.62	.030	614	6817
	8-1/8	7-1/4	10-5/8	1.12	.125	307	852
	11	10-1/8	13-1/2	1.75	.300	189	199
6	5-1/16	4-3/16	7-9/16	0.40	.027	788	34927
	6-7/8	6	9-1/8	0.80	.110	394	4303
				1.20	.248	262	1271
8	5-1/4	4-5/8	7-3/4	0.57	.035	932	52549
	7-1/16	6-7/16	9-9/16	1.14	.138	466	6568
				1.71	.311	310	1942
10	6-5/8	6	9-1/8	1.00	.056	1070	29009
	9-3/4	9-1/8	12-1/4	2.00	.222	535	3626
				2.66	.395	401	1528
12	6-5/8	6	11-1/8	0.90	.067	1097	39167
	9-3/4	9-1/8	14-1/4	1.80	.267	548	4890
				2.40	.475	411	2063
14	6-5/8	6	11-1/8	1.00	.068	1094	46275
	9-3/4	9-1/8	14-1/4	2.00	.270	547	5784
				2.66	.481	410	2438
16	6-5/8	6	11-1/8	1.00	.060	1327	70243
	9-3/4	9-1/8	14-1/4	2.00	.239	663	8773
				2.66	.426	497	3699
18	6-5/8	6-1/16	11-1/8	0.78	.042	1292	84079
	9-3/4	9-3/16	14-1/4	1.56	.168	646	10509
				2.08	.299	484	4429
20	6-5/8	6-1/8	11-1/8	0.78	.038	1409	110273
	9-3/4	9-1/4	14-1/4	1.57	.152	704	13774
	11-13/16	11-5/16	16-5/16	2.35	.343	469	4078
22	6-5/8	6-1/8	11-1/8	0.78	.035	1492	138709
	9-3/4	9-1/4	14-1/4	1.57	.157	746	17338
				2.35	.313	497	5133

* Larger diameters available upon request. Consult Factory for details.



DIESEL ENGINE EXHAUST EXPANSION JOINT

The **ECL** is a diesel exhaust expansion joint rates to accept the high stress demands of frequent engine start/stop and/or high vibration applications.



MARKETS SERVED:

- Agriculture
- Power Distribution
- Marine
- Construction
- Oil Platform
- Power Generation
- Mining
- Ship Building
- Forestry
- Skid Steer

APPLICATIONS:

- OEM Engines
- Generator Sets
- Marine Propulsion
- Gas Turbine Exhaust
- Power Units
- Auxiliary System Piping
- After Treatment Emission Control

ADVANTAGES:

- Leak tight solutions for Tier III/IV applications.
- High heat resistant to increased thermal excursions.
- High motion capabilities for offset, misalignment, and vibratory conditions.
- Custom end fittings and flanges available.
- Small run prototyping.
- Engineering system and component analysis available.
- Hydroformed or mechanically formed.
- Multi-ply, if required, to reduce harmful effects of vibration.
- Single or multiple bellows are available in the same assembly.
- Standards include compact or extended length versions



FEATURES:

- Movement rated at 50,000 cycles plus.
- Variety of end fittings available: fixed flange, schedule standard weld ends, fixed x floating flange, marmon, tube ends, integrated hydroformed ends and custom configurations.
- Engineering design and configuration assistance upon request

