

DIESEL ENGINE EXHAUST EXPANSION JOINT

The **SCL** 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 10,000 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.





SCL SELECTION CHART

I.D. * (in.)	O.A.L. (in.)			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	7-1/2	6-1/2	10	0.50	.125	202	508
	11	10	13-1/2	1.00	.500	107	76
5	8-1/4	7-3/8	10-3/4	1.00	.187	285	683
	11-1/2	10-5/8	14	1.75	.750	171	160
6	8-1/4	7-3/8	10-3/4	0.75	.125	210	820
	9-5/8	8-3/4	12-1/8	1.50	.500	163	382
8	8	7-3/8	10-1/2	1.06	.187	358	2555
	11-5/8	11	14-1/8	1.75	.375	199	438
10	8-7/16	7-13/16	10-15/16	0.88	.093	329	3060
	12-5/16	11-11/16	14-13/16	1.50	.375	183	525
12	8-7/16	7-13/16	12-15/16	0.88	.093	343	4335
	12-5/16	11-11/16	16-3/16	1.25	.375	190	743
14	8-1/16	7-7/16	12-9/16	0.88	.093	660	9897
	11-13/16	11-3/16	16-5/16	1.75	.375	367	1679
16	8-1/16	7-7/16	12-9/16	0.88	.062	643	13712
	11-13/16	11-3/16	16-5/16	1.50	.312	357	2371
18	8-1/16	7-1/2	12-9/16	0.94	.062	743	19701
	11-13/16	11-1/4	16-5/16	1.56	.312	413	3407
20	8-1/8	7-5/8	12-5/8	1.00	.062	848	27349
	11-3/4	11-1/4	16-1/4	1.75	.312	471	4690
22	8-1/8	7-5/8	12-5/8	1.00	.062	903	34870
	11-3/4	11-1/4	16-1/4	1.56	.312	502	5979
24	9	8-5/8	13-1/2	1.13	.062	842	31901
	12-3/4	12-3/8	17-1/4	2.00	.312	505	6000
30	9	8-5/8	13-1/2	1.00	.062	843	22259
	12-3/4	12-3/8	17-1/4	1.50	.125	468	3816
36	9	8-5/8	13-1/2	1.00	.062	1072	34580
	12-3/4	12-3/8	17-1/4	1.50	.125	596	5929

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

