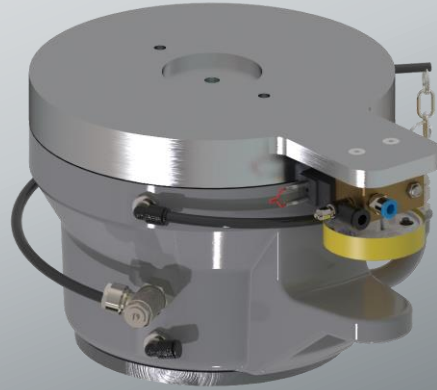


EFFBE Levelmount®

Air Level System (ALS)



Low-frequency diaphragm air spring with integrated electro-pneumatic level control for effective vibration isolation and decoupling of machines and foundations.

Overview

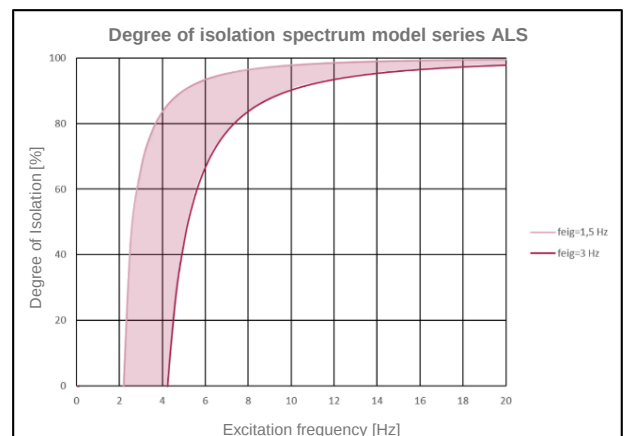
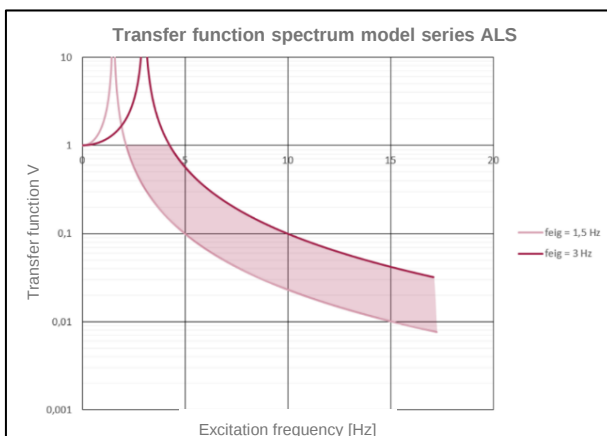
- Diaphragm air spring
- Natural frequency 1.5-3 Hz
- Various sizes (up to 182 kN per element)
- Levelling possible
- Adjustable damping
- Electro-pneumatic control unit (auto levelling) with interface to ALC software and digital inputs and outputs

Area of application

Vibration isolation and level control for

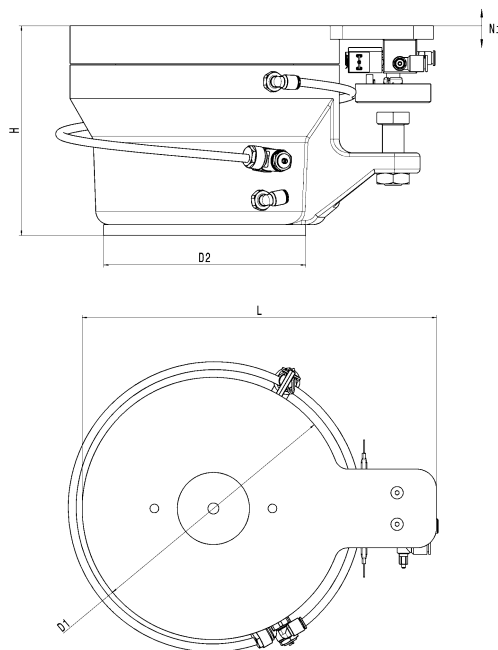
- Metrology
- Foundations
- Precision manufacturing
- Special machines

Performance



Max. load and dimensions

Type	D1 [mm]	D2 [mm]	L [mm]	H ₀ [mm]	Ni [mm]	Max. Load [kN]
ALS 18-160	165	152	234	157	+3/-4	8
ALS 24-160	200	150	270	157	+6/-4	9,5
ALS 24-310	200	200	270	307	+8/-2	9,5
ALS 36-160	220	190	290	157	+6/-4	16,3
ALS 48-160	260	230	330	157	+6/-4	25
ALS 48-310	260	260	330	307	+8/-2	25
ALS 72-160	300	265	370	157	+6/-4	34
ALS 96-160	380	350	450	157	+6/-4	60,3
ALS 96-310	380	380	450	307	+8/-2	60,3
ALS 192-160	530	470	600	157	+6/-4	115,6
ALS 192-310	530	460	600	307	+10/-2	115,6
ALS 288-210	640	585	710	209	+6/-6	182



Connection and environmental conditions

Power supply	100V-240V AC, 50/60 Hz, max. 0.6 A
Pressur supply	6 bar
Environmental temperature	0°C to 50°C
Humidity	< 80 %

Assembly instructions

The air spring elements must be completely covered. Otherwise, it is mandatory to use a mounting plate.

