



EluFlex® ZDUM product line summary

elastic mounts for compression, tension and shear loads

APPLICATION

- mechanical breakaway-lock-mount with high stability for mobile applications
- absorption of loads in all directions
- absorption of impact loads up to 5g with elastic stops in limit of travel
- for other kinds of loads see EluFlex SF® SF, EluFlex® SB and EluFlex® DE

EXAMPLES

- mounting a compressor on a vehicle
- mounting an control cabinet in mobile construction vehicles
- mounting lighting equipment on a largecapacity excavator

ASSEMBLY

- mounts can be installed upright, overhead or on walls
- see data sheet for detailed assembly instructions and examples
- All bolted connections need to be locked by an appropriate screw lock (dynamic loads) !

CHARACTERISTICS

- tough, maintenance free and long durability
- highly corrosion-resistant (seawater-resistant) and lightweight
- impact loads up to 5g (compression / tension) and 2g (shear)
- progressive (soft) stop in all end positions
- mechanical breakaway lock, fail-safe

MATERIALS

- metals: aluminium alloy (seawater-resistant according to Germanische Lloyd), coloured anodised
- elastomer: NR (nature rubber), other on request

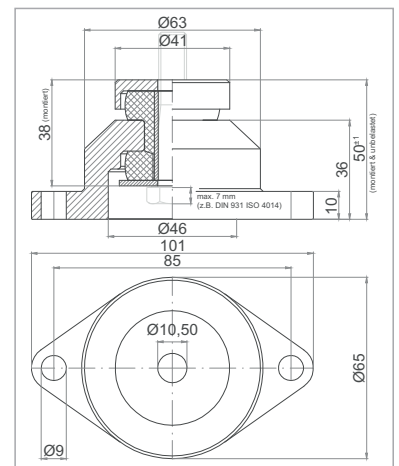
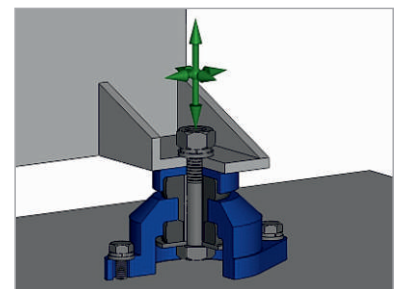
CHOOSING

See list for permissible loads, size and vibration parameters.

The mounts of this line have slightly higher spring ratings, so they are perfect for applications which depends on high stability.

We support you by choosing and willingly with calculation.

Please contact us !



Program

Description	Item Number	upright / overhead mounts			wall mounting			Weight [kg]
		m_{max}^1 [kg]	$s(m_{max})^2$ [mm]	$f_0(m_{max})^3$ [Hz]	m_{max}^1 [kg]	$s(m_{max})^2$ [mm]	$f_0(m_{max})^3$ [Hz]	
EluFlex® 60-25 ZDUM	920600	25	0,9	17,8	12	0,3	31,4	0,270
EluFlex® 60-50 ZDUM	920601	50	0,9	18,5	25	0,3	29,4	0,270
EluFlex® 60-120 ZDUM	920602	120	0,8	23,2	50	0,4	32,1	0,270

¹ permissible statical permanent load, which can be combined with a dynamic load, ² approx. deflection at permissible permanent load, ³ approx. resonance frequency at permissible permanent load

For further technical information (force/displacement curves, progression of resonant frequencies etc.) please refer to the specific documentation.

Status: 04/03/2015