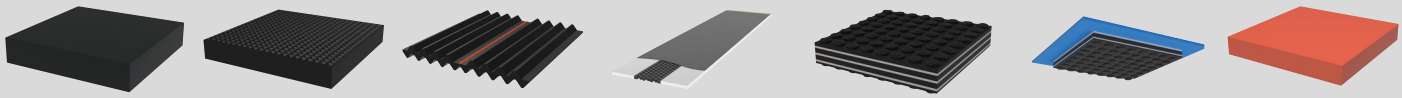
CALENBERG



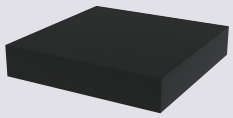
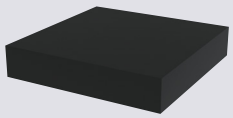
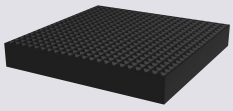
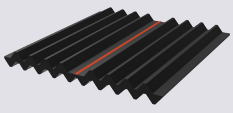
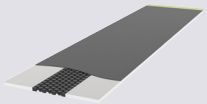
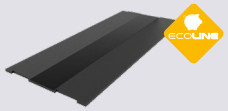
Product range
STRUCTURAL BEARINGS

A LISEGA Group Company

Guarantee of high quality for the construction industry

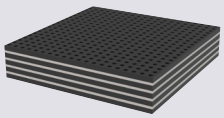
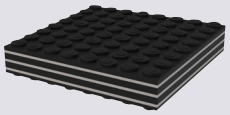
Due to the combined effects of permanent static loads (dead load), live dynamic loads (e.g. wind) and concentrated restraints (e.g. due to temperature changes, creep, tolerances or settlements) relative movement within structures must always be considered. Without appropriate elastomeric bearings these influences will lead to damages. Beside cracks and spalling in concrete members, extensive deterioration can occur within adjacent structural members. The repair of those damages has significant time & cost implications.

Structural bearings concentrate high loads towards to the centre and can accommodate movements and rotations (angle of distortion) at the same time. Due to their low coefficient of friction, our sliding bearings are able to compensate large deformations and movements.

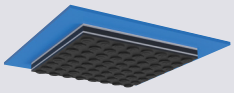
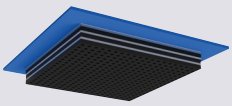
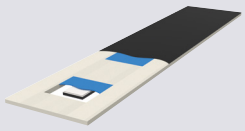
UNREINFORCED BEARINGS					
	Bearing name	Bearing type	Thickness [mm]	Compressive stress	Approval
	Compact Bearing S 65	Unreinforced deformation bearing	5* 8* 10 15 20 25 30	$\sigma_{R,d} = 14$ N/mm²	Approval No. Z-16.32-474, issued by DIBt Berlin
	Compact Bearing S 70	Unreinforced deformation bearing	5* 8* 10 15 20	$\sigma_{R,d} = 21$ N/mm²	Approval No. Z-16.32-477, issued by DIBt Berlin
	Compact Bearing CR 2000	Unreinforced profiled deformation bearing	11 16 21	$\sigma_{R,d} = 28$ N/mm²	Approval No. Z-16.32-435, issued by DIBt Berlin
	bi-Trapez Bearing	Unreinforced deformation for impact sound insulation	5* 10 15 20	$\sigma_{R,d} = 17.4$ N/mm²	Approval No. Z-16.32-455, issued by DIBt Berlin
	Cigular Slab Bearing	Deforamtion bearing with low shear resistance	10	$\sigma_{R,d} = 1.5$ N/mm²	Approval No. Z-16.32-479, issued by DIBt Berlin
	Cigular Slab Bearing EcoLine	Deforamtion bearing with low shear resistance	10	$\sigma_{R,d} = 1.5$ N/mm²	Approval No. Z-16.32-479, issued by DIBt Berlin

* without official approval

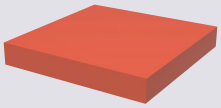
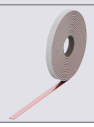
REINFORCED BEARINGS

	Bearing name	Bearing type	Thickness [mm]	Compressive stress	Approval
	Perforated Bearing, Type Z	Steel-reinforced perforated bearing	15 24 33 42 51	$\sigma_{R,d} = 35$ N/mm²	Approval No. Z-16.33-481, issued by DIBt Berlin
	Sandwich Bearing Q	Steel-reinforced bearing	10 20 30 40	$\sigma_{R,d} = 28$ N/mm²	Approval No. Z-16.33-480, issued by DIBt Berlin

SLIDING BEARINGS

	Bearing name	Bearing type	Thickness [mm]	Compressive stress	Approval
	Type GFK Ciparall Sliding Bearing	Reinforced point sliding bearing	14	Type GFK $\sigma_{R,d} = 21$ N/mm²	Type GFK Approval No. Z-16.22-525, issued by DIBt Berlin
	Type ST Ciparall Sliding Bearing		11 20 30 40	Type ST max. $\sigma_K = 15$ N/mm²	
	Perforated Sliding Bearing, Type Z	Reinforced point sliding bearing	15 25 34 42 51	max. $\sigma_K = 25$ N/mm²	Approval applied According to DIBt official test certificate valid till approval issued
	Civalit Sliding Bearing	Point / strip sliding bearing	11	max. $\sigma_K = 15$ N/mm²	Approval applied According to DIBt official test certificate valid till approval issued

SPECIAL PRODUCTS

	Bearing name	Bearing type	Thickness [mm]	Compressive stress	Approval
	Compact Core Bearing	Unreinforced heavy-duty bearing for thermal separation of steel structures	5* 10 15 20	$\sigma_{R,d} = 42$ N/mm² $\sigma_{R,d} = 63$ N/mm²	Approval No. Z-16.32-515, issued by DIBt Berlin
	Cipolon Edge Protection	Edge protection, sealing	7	Unnecessary	Unnecessary

* without official approval

Am Knübel 2 - 4
31020 Salzhemmendorf | Germany

Tel. + 49 51 53 – 94 00-0
Fax + 49 51 53 – 94 00-49

info@calenberg-ingenieure.de
www.calenberg-ingenieure.com

A LISEGA Group Company

6 March 2025 | 10. edition | ©Calenberg Ingenieure GmbH | Subject to change