

Product range

# STRUCTURAL BEARINGS

## Guarantee of high quality for the construction industry

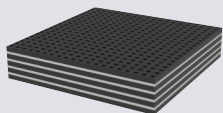
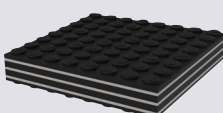
Due to the combined effects of permanent static loads (dead load), live dynamic loads (e.g. wind) and concentrated restraints (e.g. due to temperature changes, creep, tolerances or settlements) relative movement within structures must always be considered. Without appropriate elastomeric bearings these 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.

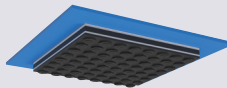
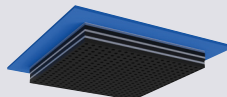
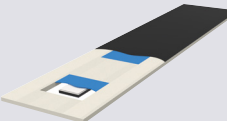
UNREINFORCED BEARINGS					
	Bearing name	Bearing type	Thickness [mm]	Compressive stress	Approval
	Compact Bearing S 65	Unreinforced deformation bearing	5*	$\sigma_{R,d} = 14 \text{ N/mm}^2$	Approval No. Z-16.32-474, issued by DIBt Berlin
			8*		
			10		
			15		
			20		
			25		
	Compact Bearing S 70	Unreinforced deformation bearing	5*	$\sigma_{R,d} = 21 \text{ N/mm}^2$	Approval No. Z-16.32-477, issued by DIBt Berlin
			8*		
			10		
			15		
			20		
	Compact Bearing CR 2000	Unreinforced profiled deformation bearing	11	$\sigma_{R,d} = 28 \text{ N/mm}^2$	Approval No. Z-16.32-435, issued by DIBt Berlin
			16		
			21		
	bi-Trapez Bearing	Unreinforced deformation for impact sound insulation	5*	$\sigma_{R,d} = 17.4 \text{ N/mm}^2$	Approval No. Z-16.32-455, issued by DIBt Berlin
			10		
			15		
			20		
	Cigular Slab Bearing	Deformation bearing with low shear resistance	10	$\sigma_{R,d} = 1.5 \text{ N/mm}^2$	Approval No. Z-16.32-479, issued by DIBt Berlin
	Cigular Slab Bearing EcoLine	Deformation bearing with low shear resistance	10	$\sigma_{R,d} = 1.5 \text{ N/mm}^2$	Approval No. Z-16.32-479, issued by DIBt Berlin

\* without official approval

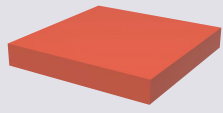

## REINFORCED BEARINGS

	Bearing name	Bearing type	Thickness [mm]	Compressive stress	Approval
	Perforated Bearing, Type Z	Steel-reinforced perforated bearing	15	$\sigma_{R,d} = 35 \text{ N/mm}^2$	Approval No. Z-16.33-481, issued by DIBt Berlin
			24		
			33		
			42		
			51		
	Sandwich Bearing Q	Steel-reinforced bearing	10	$\sigma_{R,d} = 28 \text{ N/mm}^2$	Approval No. Z-16.33-480, issued by DIBt Berlin
			20		
			30		
			40		

## SLIDING BEARINGS

	Bearing name	Bearing type	Thickness [mm]	Compressive stress	Approval
	Type GFK Ciparall Sliding Bearing	Reinforced point sliding bearing	14	Type GFK $\sigma_{R,d} = 21 \text{ N/mm}^2$	Type GFK Approval No. Z-16.22-525, issued by DIBt Berlin
	Type ST Ciparall Sliding Bearing		11	Type ST max. $\sigma_K = 15 \text{ N/mm}^2$	
			20		
			30		
			40		
	Perforated Sliding Bearing, Type Z	Reinforced point sliding bearing	15	max. $\sigma_K = 25 \text{ N/mm}^2$	Approval applied According to DIBt official test certificate valid till approval issued
			25		
			34		
			42		
			51		
	Civalit Sliding Bearing	Point / strip sliding bearing	11	max. $\sigma_K = 15 \text{ N/mm}^2$	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*	$\sigma_{R,d} = 42 \text{ N/mm}^2$	Approval No. Z-16.32-515, issued by DIBt Berlin
			10		
			15		
			20	$\sigma_{R,d} = 63 \text{ N/mm}^2$	
	Cipolon Edge Protection	Edge protection, sealing	7	Unnecessary	Unnecessary

\* without official approval



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