TECHNICAL DATASHEET



Cigular[®] Slab Bearing

Structural bearing for static structural members

Design values

The Cigular[®] slab bearings type S and type S / F90 are available in a bearing thickness of 10 mm.



FORMULA SYMBOLS

b⊨	Elastomeric	bearing	width
		0.001.11.9	

- $F_{B,d}$ All. vertical force
- L Shear deformation of the bearing
- H Horizontal force
- **α** All. bearing rotation

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Design example

Given: $F_{E,d} = 58 \text{ kN/m}$ $\alpha = 17 \% \text{ u} = \pm 5 \text{ mm}$

Chosen:

 $\begin{array}{l} Elastomeric \ bearing \ width \ 47 \ mm \\ F_{E,d} = 58 \ kN \ / \ m < 73 \ kN \ / \ m = F_{R,d} \\ existing \ \alpha = 17 \ \% o < 40 \ \% o = all. \ \alpha \\ existing \ u = \pm 5 \ mm < all. \ u = \pm 10 \ mm \end{array}$



Load deflection curve

DIAGRAM

Pressure surfaces concrete, Bearing widths: 35 to 200 mm

H/V



DIAGRAM

Ratio of horizontal force H to vertical force V

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Version 0