

**Movement Joints (UK) Limited**












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## Table of load-bearing capacities for Deflex<sup>®</sup> floor profiles

The following information is to be read in conjunction with the product information found on the product pages.

	DIN Standard	Vehicle	Wheel load without allowance for impact $\mu = 1.4$ (kN)	Wheel/surface contact area (cm)	Distance between anchorages (cm) refer to table below	Distance between anchorages from rail joint (cm)
 25 kN	1055	Fork-lift truck	10	20 / 20	30	15
 35 kN	1055		15	20 / 20	30	15
 70 kN	1055		32.5	20 / 20	30	15
 130 kN	1055		60	20 / 20	30	15
 120 kN	1072	Vans Trucks and HGV 's	40	20 / 30	30	15
 90 kN	1072		30	20 / 26	30	15
 60 kN	1072		20	20 / 20	30	15
 300 kN	1072		50	20 / 40	30	15
 600 kN	1072		100	20 / 60	30	15
 10 kN	Special case	Pallet lifting truck	10	2 / 3	30	15
		Passenger car	6		30	15

### Table 1 - Fixings

- In accordance with the requirements for the profile installation, the fixing anchors should be designed in accordance with the acting tensile forces and Fischer reaction anchors R 8 x 110mm, or Fischer ZYKON anchors are recommended.

The permissible load capacities are guaranteed only in conjunction with these fixing elements. We do not recommend the use of other fixing systems; if other systems are used, their suitability is to be checked and it is the user's responsibility.

- Distance from edge of concrete using Fischer reaction anchors = 40mm
- Distance from edge of concrete using Fischer ZYKON anchors = 50mm

Please consult us in the event of any deviation from DIN.

For small works (where joint width is less than 50 mm), and the profile is to be installed in areas subject to light pedestrian use only, they can be excluded from the above method of anchorage.

The recommended fixings in these cases are:

Dowel = nylon dowel, 8 mm

Screws = stainless steel screws, No. 10 x 50mm (2") [DIN 571]