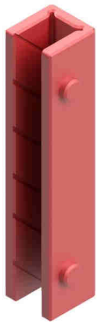
Overview of **Inserts**

Material:
Diepotex [DT]

Material:
Diepotex-GF [DT-GF]



Material:
Polyurethane [TPU]

Material:
Polyamide [PA]

Material:
Polyethylene [PE]

Material:
PE + Cell-insert [PEC]

Material comparison

Material	Color	Hardness (Shore D) [+/- 5]	V max. (m/s)	Noise emission	Wear resistance	Sliding-performance	Sliding-surface	Coefficient of friction	
								dry	lubricated
DT		75°	3	+	+ +	+ + +	**with grooves**	0,15 ± 0,05	< 0,07
DT-GF		70°	3	+ +	+ +	+ +	**with grooves**	0,25 ± 0,05	< 0,07
TPU		45°	1	+ + +	+	+	**with grooves**	–	0,75 ± 0,1
PA		65°	1,6	+	+ +	+ +	**with grooves**	–	0,60 ± 0,1
PE		60°	3	+	+ + +	+ + +	**flat/ milled**	0,15 ± 0,05	< 0,07
PEC		60°	3	+ + +	+ + +	+ + +	**flat/ milled**	0,15 ± 0,05	< 0,07

Permissible load

Material	Permissible surface pressure (N/mm^2)	Inserts for HSMK100 (values for 5mm rail)		Inserts for HSM140 (values for 16mm rail)		Inserts for HSML180 (values for 16mm rail)	
		Max. force - to center - [N]	Max. force - at side - [N]	Max. force - to center - [N]	Max. force - at side - [N]	Max. force - to center - [N]	Max. force - at side - [N]
DT	7,5	3250	14300	14750	19500	–	–
DT-GF	7,5	3250	14300	14750	19500	–	–
TPU	0,7	350	1750	1550	2450	–	–
PA	1,2	600	3000	2700	4200	–	–
PE	10	4400	19450	20050	26600	25900	57000
PEC	10	4400	19450	20050	26600	25900	57000

Please note: The values given are recommendations!
Testing using a long term pressure test.