

### Supporting girders, beams, trusses etc. with bigger displacement clearances and low surface loads



### Non reinforced elastomer slide bearing type NEG

For all point bearings with bigger displacement clearances **at characteristic compressions up to 5 N/mm<sup>2</sup>**. Low coefficient of friction and high functional stability are ensured due to high-quality slide matching. Non reinforced elastomer slide bearing**s** absorb horizontal displacements by slides of the sliding plate on the bearing support. At the same time, they ensure a controlled load distribution and compensate similar systematic twisting in supports as well as unevenness and deviations from parallelism in bedding surfaces.





Supporting girders, beams, trusses etc. with bigger displacement clearances and low surface loads



NEG

Coefficient of friction 0.01 up to 0.05 at 23°C. Standard displacement clearance: ± 20 mm



Permissible loads and torsion are to be extracted from the following design table. Other dimensions and displacement clearances can be supplied on request.

Specification:

non-reinforced elastomer slide bearing, dim.: ...x...x... mm, perm. char. surface load:.... kN, permissible displacement clearance: +/-... mm, supply and technical correct installation. Leschuplast GLT type **NEG** 



## Non reinforced elastomer slide bearing type NEG



bearing dimensions				permissible twisting angles								
<b>bearing support</b> a x b	sliding plate standard	total height h	elastomer height d	permissible load F	smaller side	larger side	permissible mean bearing compression					
mm	mm	mm	mm	kN	°/ <sub>00</sub>	°/ <sub>00</sub>	N/mm <sup>2</sup>					
100 x 100	140 x 140	9	5	50	10	10	5					
		14	10	30	20	20	3					
100 x 150	140 x 190	9	5	75	10	7	5					
		14	10	54	20	13	3,6					
150 x 200	190 x 240	9	5	150	7	5	5					
		14	10	150	13	10	5					
200x 200	240 x 240	9	5	200	5	5	5					
		14	10	200	10	10	5					
		19	15	170	15	15	4,3					
200 x 250	240 x 290	9	5	250	5	4	5					
		14	10	250	10	8	5					
		19	15	222	15	12	4,4					
200x 300	240 x 340	9	5	300	5	3	5					
		14	10	300	10	7	5					
		19	15	288	15	10	4,8					
250 x 300	290 x 340	9	5	375	4	3	5					
		14	10	375	8	7	5					
		19	15	370	12	10	4,9					
200 x 400	240 x 440	9	5	400	5	3	5					
		14	10	400	10	5	5					
		19	15	400	15	8	5					
		24	20	320	20	10	4					
250 x 400	290 x 440	9	5	500	4	3	5					
		14	10	500	8	5	5					
		19	15	500	12	8	5					
		24	20	462	16	10	4,6					
300 x 400	340 x 440	9	5	600	3	3	5					
		14	10	600	7	5	5					
		19	15	600	10	8	5					
		24	20	600	13	10	5					
Standard displacement clearance : ± 20 mm												
	Other dimensions can be supplied on request.											

Hint: above given values are characteristic loads.



Supporting girders, beams, trusses etc. with bigger displacement clearances and high surface loads



#### Reinforced elastomer slide bearings type B1EG

For all point bearings with bigger displacement clearances **at characteristic compressions up to 15 N/mm<sup>2</sup>**. Low coefficient of friction and high functional stability are ensured due to high-quality slide matching. Reinforced elastomer slide bearing supports comply with the reinforced elastomer bearings according to DIN 4141, part 14/140 or EN 1337-3 by their design and material. The allowed, if compared, low vertical loads and twisting angles result on the high security level of bearing class 1 according to DIN 4141, part 3, and are founded on decades of experience with high level uses in bridges. They absorb horizontal displacements by movements of the sliding plate on the bearing support. At the same time, they ensure a controlled load distribution and compensate similar systematic twisting in the support as well unevenness and deviations from parallelism in bedding surfaces.





Supporting girders, beams, trusses etc. with bigger displacement clearances and high surface loads



B1EG

Coefficient of friction 0.01 up to 0.05 at 23°C. Standard displacement clearance: ± 20 mm



Permissible loads and torsion are to be extracted from the following design table. Other dimensions, displacement clearances and shear protected types (like B2EG or B5EG) can be supplied on request.

Specification:

reinforced elastomer slide bearing, dim.: ... x ... x ...mm, permissible char. load: .... kN, permissible displacement clearance: +/-.....mm, supply and technical correct installation. Leschuplast GLT type **B1EG** 



# Reinforced elastomer slide bearing type B1EG



bearing dimensions					permissibble twisting angles			
bearing support	sliding plate standard	total height h	bearing support height h	elastomer height T	permissible Ioad F	smaller side	larger side	permissible mean bearing compression
mm	mm	mm	mm	mm	kN	°/ <sub>00</sub>	°/ <sub>00</sub>	N/mm <sup>2</sup>
	140 x 140	14	10	8	150	4	4	15
100 x 100		18	14	10		4	4	
		25	21	15		8	8	
		32	28	20		12	12	
100 x 150	140 x 190	14	10	8	225	4	3	
		18	14	10		4	3	
		25	21	15		8	6	
		32	28	20		12	9	
		14	10	8	450	3	3	
		18	14	10		3	3	
150 x 200	190 x 240	25	21	15		6	6	
		32	28	20		9	9	
		39	35	25		12	12	
200 x 250	240 x 290	14	10	8	750	3	3	
		23	19	13		3	3	
		34	30	21		6	5	
		45	41	29		9	8	
200 x 300	240 x 340	14	10	8	900	3	2	
		23	19	13		<u> </u>	<u> </u>	
		<u> </u>	 	20		0	<u>4</u> 6	
		45	41	29		9	0	
		23	10	12	1125	2	2	
250 x 300	290 x 340	20	30	21		5	<u> </u>	
		45	 	20		7	6	
200 x 400	240 x 440	14	10	8	1200	, ,	1	
		23	10	13		3	1	
		34	30	21		6	2	
		45	41	29		9	4	
250 x 400	290 x 440	14	10	8	1500	3	1	
		23	19	13		3	1	
		34	30	21		5	2	
		45	41	29		7	4	
		56	52	37		10	5	
300 x 400	340 x 440	14	10	8	1800	2	1	
		23	19	13		2	1	-
		34	30	21		4	2	
		45	41	29		6	4	
		56	52	37		8	5	1
	Standa	ard displac	ement clearan	<b>ce</b> : ± 20 mm				
	Other d	imensions	can be suppli	ed on reques	st.			

Hint: above given values are characteristic loads.