

# ESZ type 100 | for static component bearing

$F_{d,max}$  [kN] | bearing thickness  $t = 20$  mm

**Important note:**

The table shows the maximum permissible values of the load-bearing capacity with corresponding rotational capacity parallel to side b ( $\alpha_b$ ) in accordance with the approval conditions and is only intended as a guide. In our opinion, the interaction between compressive stress and rotation is not taken into account in a practical manner.

As soon as holes are drilled in the bearing, the shape factor changes and therefore the entire basis for design changes.

You can conveniently carry out a specific dimensioning for your application using the [ESZ dimensioning tool online](#).



$\alpha_b$ [%]	side a [mm]	side b [mm]																										
		80	90	100	110	120	130	140	150	160	170	180	190	200	230	250	270	300	350	400	450	500	550	600				
40,0	80	30	36	43	49	56	62	69	76	83	91	98	105	113	135	150	165	188	227	266	305	345	385	424				
40,0	90		44	51	59	68	76	85	93	102	111	120	129	139	167	186	205	234	283	332	382	432	483	533				
40,0	100			61	70	80	90	101	111	122	133	144	155	166	201	224	247	283	343	404	466	528	590	653				
40,0	110				82	93	105	118	130	143	156	169	182	196	237	265	293	336	408	482	556	631	706	782				
40,0	120					107	121	135	150	165	180	195	211	226	275	308	341	392	477	565	664	770	878	984				
40,0	130						137	153	170	187	205	222	240	259	315	353	391	450	560	686	810	910	1001	1092				
40,0	140							172	191	210	230	250	271	292	356	400	444	525	670	784	882	980	1078	1176				
40,0	150								212	234	257	280	303	326	399	451	516	615	735	840	945	1050	1155	1260				
40,0	160									259	284	309	335	362	449	522	595	672	784	896	1008	1120	1232	1344				
40,0	170										312	340	369	398	512	592	643	714	833	952	1071	1190	1309	1428				
40,0	180											371	403	443	574	630	680	756	882	1008	1134	1260	1386	1512				
40,0	190												446	495	612	665	718	798	931	1064	1197	1330	1463	1596				
40,0	200													547	644	700	756	840	980	1120	1260	1400	1540	1680				
40,0	210														676	735	794	882	1029	1176	1323	1470	1617	1764				
40,0	220														708	770	832	924	1078	1232	1386	1540	1694	1848				
39,1	230														741	805	869	966	1127	1288	1449	1610	1771	1932				
37,5	240															840	907	1008	1176	1344	1512	1680	1848	2016				
36,0	250															875	945	1050	1225	1400	1575	1750	1925	2100				
34,6	260																983	1092	1274	1456	1638	1820	2002	2184				
33,3	270																1021	1134	1323	1512	1701	1890	2079	2268				
32,1	280																		1176	1372	1568	1764	1960	2156	2352			
31,0	290																		1218	1421	1624	1827	2030	2233	2436			
30,0	300																		1260	1470	1680	1890	2100	2310	2520			
25,7	350																			1715	1960	2205	2450	2695	2940			
22,5	400																				2240	2520	2800	3080	3360			
20,0	450																					2835	3150	3465	3780			
18,0	500																						3150	3500	3850	4200		
16,4	550																							3465	3850	4235	4620	
15,0	600																								3780	4200	4620	5040

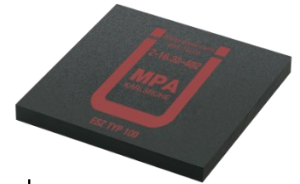
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## Technical documentation

### - for use between precast reinforced concrete elements

Supply and installation of unreinforced elastomeric bearings with national technical approval between precast reinforced concrete elements. Can be used up to a compressive stress of 14 N/mm<sup>2</sup> depending on the format. The proof of the usability of the bearings must be provided.

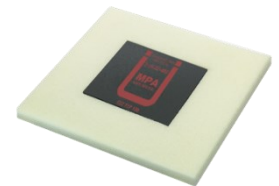
Bearing type:	<b>ESZ type 100</b> with national technical approval Z-16.32-482
Bearing thickness (10/15/20/25/30):	_____ mm
Format a x b:	_____ mm x _____ mm
Boreholes:	Number _____ Diameter _____
Quantity:	_____ Piece
Proof of purchase:	ESZ Wilfried Becker GmbH Weilerhöfe 1, 41564 Kaarst Phone: +49 2131 75 81 00; info@esz-becker.de



### - for use as an in-situ concrete point bearing

Supply and installation of non-reinforced elastomeric bearings with national technical approval as in-situ concrete point bearings. Can be used up to a compressive stress of 14 N/mm<sup>2</sup> depending on the format. The proof of the usability of the bearings must be provided.

Bearing type:	<b>ESZ type 100</b> with national technical approval Z-16.32-482
Bearing thickness (10/15/20/25/30):	_____ mm
Format a x b:	_____ mm x _____ mm
Format incl. blank formwork	
aG x aG:	_____ mm x _____ mm
Boreholes:	Number _____ Diameter _____
Quantity:	_____ Piece
Proof of purchase:	ESZ Wilfried Becker GmbH Weilerhöfe 1, 41564 Kaarst Phone: +49 2131 75 81 00; info@esz-becker.de



### - for use as an in-situ concrete strip bearing

Supply and installation of unreinforced elastomeric bearings with national technical approval as in-situ concrete strip bearings. Can be used up to a compressive stress of 14 N/mm<sup>2</sup> depending on the format. The mathematical proof of the usability of the bearings must be provided.

Bearing type:	<b>ESZ type 100</b> with national technical approval Z-16.32-482
Bearing thickness (10/15/20/25/30):	_____ mm
Format a:	_____ mm
Format incl. blind formwork aG:	_____ mm
Boreholes:	Number _____ Diameter _____
Quantity:	_____ metres
Proof of purchase:	ESZ Wilfried Becker GmbH Weilerhöfe 1, 41564 Kaarst Phone: +49 2131 75 81 00; info@esz-becker.de

