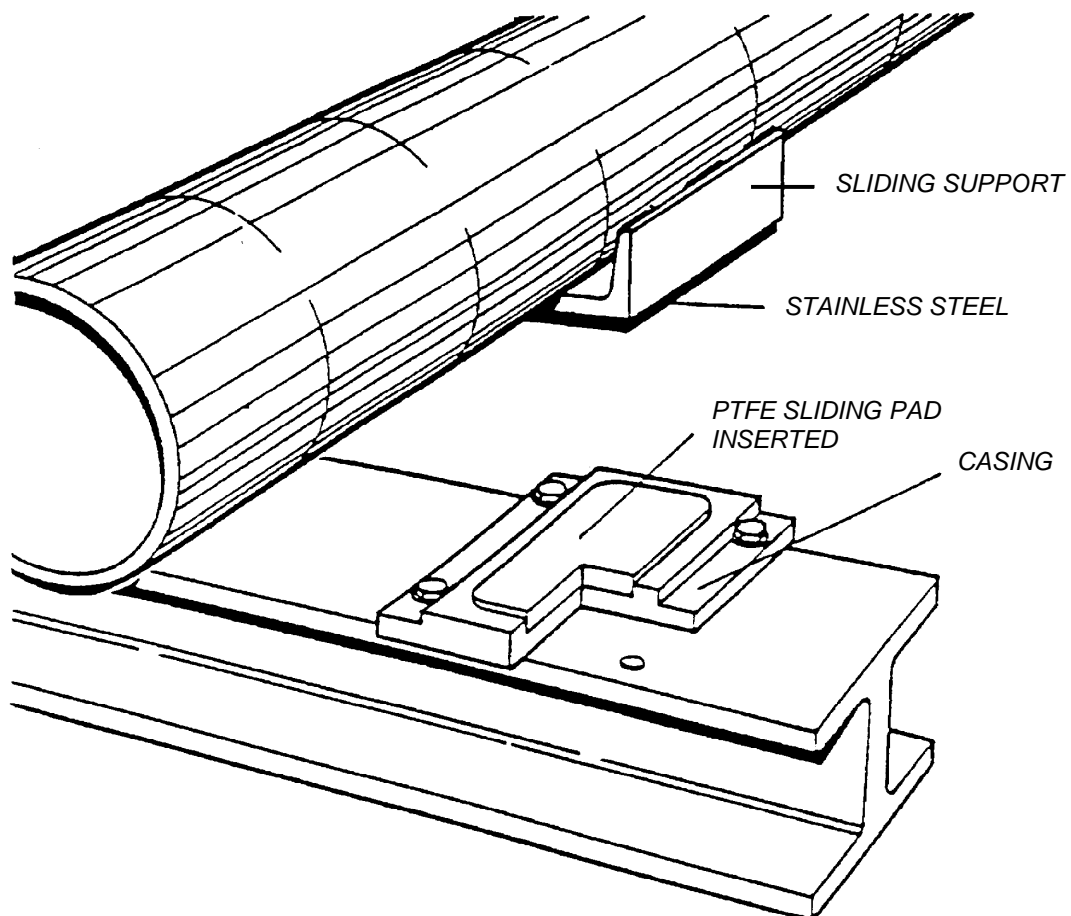


## PTFE SLIDING SUPPORTS FOR PIPELINE, BRIDGE, STEEL AND CONCRETE CONSTRUCTIONS



**Sliding bearings**

All IGB Monfort sliding bearings incorporate PTFE sliding plates as carrier material. Faultless operation requires a thrust bearing made of super-polished stainless steel plate with a surface roughness of Rz 1µm.

Coat of paint: Zinc phosphate as standard.

**Load**

Top and bottom bearing must be installed absolutely plane-parallel to avoid edge pressure. If angular displacement is to be expected on account of assembly or general design, it will be necessary to use pointed or cupshaped bearings.

**Flexure**

The entire construction in the area of the bearings must ensure that no flexure can arise on the top/bottom bearing plate. If this is not the case, then the steel plates of the top and bottom bearing must be statically designed accordingly.

**Overlap**

The PTFE sliding plate must be covered by the stainless steel plate in all bearing positions.

**Operating temperature**

Up to 100°C	Sliding plate made of PTFE-TLLQ 3071
150°C	PTFE-TLFG 3124
180°C	PTFE-TLFG 3124 with diminished surface pressure
600°C	PTFE-TLFG 3124 high-temperature bearing with integrated insulation

Lubricated version is available for any temperature range.

**Assembly**

Assembly instructions can be requested when order is placed.

**Special designs**

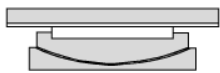
Not all requirements can be satisfied with standard bearings. Simply send us the completed check list for this purpose.



*Flat PTFE sliding support*



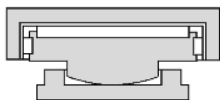
*Flat PTFE sliding support for high contact temperature*



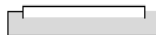
*PTFE cupshaped support*



*Approved bearing for special constructions*



*Pointed PTFE sliding support*

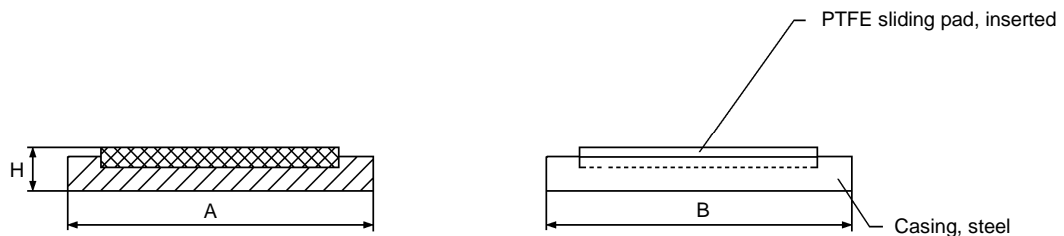


*PTFE support*



*Counter sliding support*

Sliding support for welding

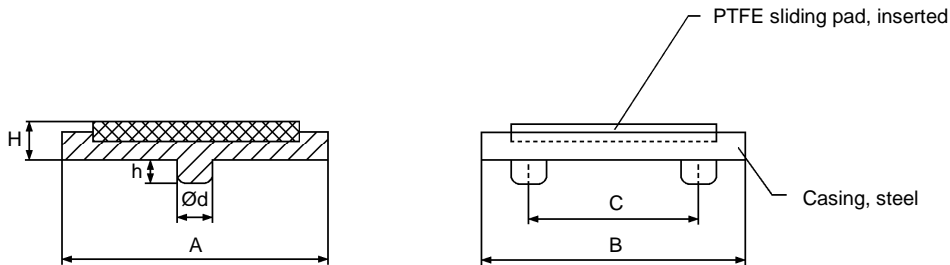


A stainless plate must be used as counter sliding support to ensure a low coefficient of friction.  
(see "counter sliding support", page 3.2.1.9)

	<b>A</b>	<b>B</b>	<b>H</b>	<b>PTFE</b>	<b>Load (kN)</b>
SP	50	50	10	Ø 40 x 5	13
SP	50	100	10	30 x 80 x 5	22
SP	50	150	10	30 x 130 x 5	37
SP	50	200	10	30 x 180 x 5	52
SP	50	300	10	30 x 280 x 5	82
SP	50	400	10	2 x 30 x 185 x 5	112
SP	50	500	10	2 x 30 x 235 x 5	142
SP	100	100	12	80 x 80 x 5	59
SP	100	150	12	80 x 130 x 5	98
SP	100	200	12	80 x 180 x 5	138
SP	100	300	12	80 x 280 x 5	219
SP	100	400	12	2 x 80 x 185 x 5	286
SP	100	500	12	2 x 80 x 235 x 5	366
SP	150	150	12	130 x 130 x 5	163
SP	150	200	12	130 x 180 x 5	228
SP	150	300	12	130 x 280 x 5	358
SP	150	400	12	2 x 130 x 185 x 5	471
SP	150	500	12	2 x 130 x 235 x 5	600
SP	200	200	12	180 x 180 x 5	318
SP	200	300	12	180 x 280 x 5	498
SP	200	400	12	2 x 180 x 185 x 5	656
SP	200	500	12	2 x 180 x 235 x 5	835

Please notice "Remarks concerning design".  
Special sizes available upon request.

Sliding support with inserted sliding pad



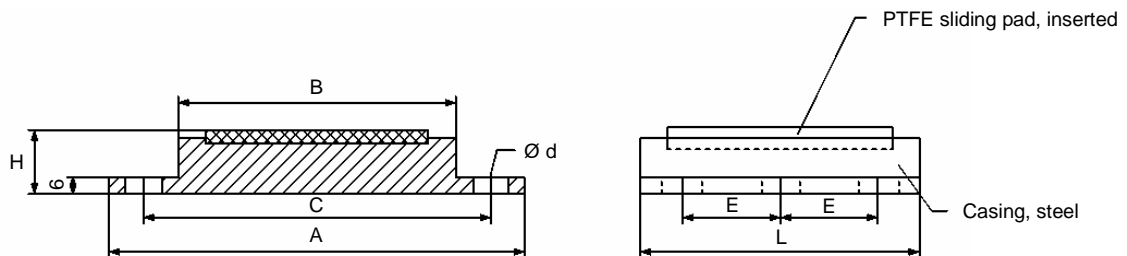
A stainless plate must be used as counter sliding support to ensure a low coefficient of friction.  
(see "counter sliding support", page 3.2.1.9)

	A	B	H	PTFE	C	Ø d	Load (kN)
SN	50	50	10	Ø 40 x 5	0	10	13
SN	50	100	10	30 x 80 x 5	50	10	22
SN	50	150	10	30 x 130 x 5	100	10	37
SN	50	200	10	30 x 180 x 5	150	10	52
SN	50	300	10	30 x 280 x 5	250	10	82
SN	50	400	10	2 x 30 x 185 x 5	350	10	112
SN	50	500	10	2 x 30 x 235 x 5	450	10	142
SN	100	100	12	80 x 80 x 5	50	10	59
SN	100	150	12	80 x 130 x 5	100	10	98
SN	100	200	12	80 x 180 x 5	150	10	138
SN	100	300	12	80 x 280 x 5	250	12	219
SN	100	400	12	2 x 80 x 185 x 5	350	12	286
SN	100	500	12	2 x 80 x 235 x 5	450	12	366
SN	150	150	12	130 x 130 x 5	100	12	163
SN	150	200	12	130 x 180 x 5	150	12	228
SN	150	300	12	130 x 280 x 5	250	12	358
SN	150	400	12	2 x 130 x 185 x 5	350	12	471
SN	150	500	12	2 x 130 x 235 x 5	450	12	600
SN	200	200	12	180 x 180 x 5	150	12	318
SN	200	300	12	180 x 280 x 5	250	12	498
SN	200	400	12	2 x 180 x 185 x 5	350	12	656
SN	200	500	12	2 x 180 x 235 x 5	450	12	835

Please notice "Remarks concerning design".  
Special sizes available upon request.

**3.2.1.4**

Sliding support designed for fixing by bolting  
(on the longitudinal side)



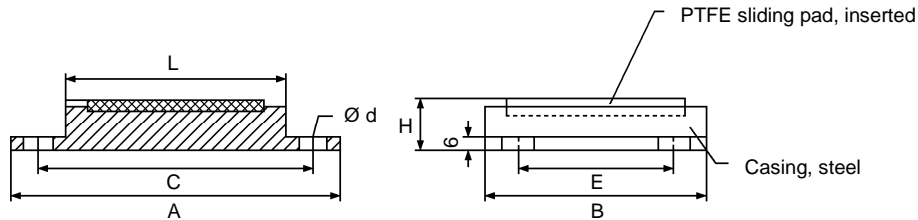
A stainless plate must be used as counter sliding support to ensure a low coefficient of friction.  
(see "counter sliding support", page 3.2.1.9)

	B	L	H	PTFE	A	C	E	Ø d	Numbers of bores	Load (kN)
BP	50	50	22	Ø 40 x 5	100	75	0	11,5	2	13
BP	50	100	22	30 x 80 x 5	100	75	30	11,5	4	22
BP	50	150	22	30 x 130 x 5	100	75	50	11,5	4	37
BP	50	200	22	30 x 180 x 5	100	75	75	11,5	4	52
BP	50	300	22	30 x 280 x 5	100	75	125	11,5	6	82
BP	50	400	22	2 x 30 x 185 x 5	100	75	175	11,5	6	112
BP	50	500	22	2 x 30 x 235 x 5	100	75	225	11,5	6	142
BP	100	100	22	80 x 80 x 5	150	125	30	14,0	4	59
BP	100	150	22	80 x 130 x 5	150	125	50	14,0	4	98
BP	100	200	22	80 x 180 x 5	150	125	75	14,0	4	138
BP	100	300	22	80 x 280 x 5	150	125	125	14,0	6	219
BP	100	400	22	2 x 80 x 185 x 5	150	125	175	14,0	6	286
BP	100	500	22	2 x 80 x 235 x 5	150	125	225	14,0	6	366
BP	150	150	22	130 x 130 x 5	200	175	50	14,0	4	163
BP	150	200	22	130 x 180 x 5	200	175	75	14,0	4	228
BP	150	300	22	130 x 280 x 5	200	175	125	14,0	6	358
BP	150	400	22	2 x 130 x 185 x 5	200	175	175	14,0	6	471
BP	150	500	22	2 x 130 x 235 x 5	200	175	225	14,0	6	600
BP	200	200	22	180 x 180 x 5	250	225	75	14,0	4	318
BP	200	300	22	180 x 280 x 5	250	225	125	14,0	6	498
BP	200	400	22	2 x 180 x 185 x 5	250	225	175	14,0	6	656
BP	200	500	22	2 x 180 x 235 x 5	250	225	225	14,0	6	835

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Sliding support  
Type BS**

Sliding support designed for fixing by bolting  
(on the face side)



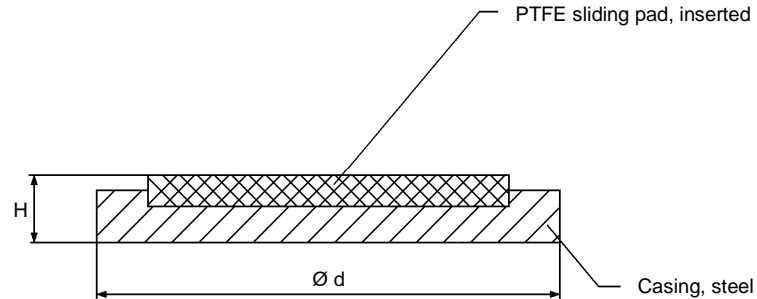
A stainless plate must be used as counter sliding support to ensure a low coefficient of friction.  
(see "counter sliding support", page 3.2.1.9)

	B	L	H	PTFE	A	C	E	Ø d	Numbers of bores	Load (kN)
BP	50	100	22	30 x 80 x 5	150	125	0	11,5	2	22
BP	50	150	22	30 x 130 x 5	200	175	0	11,5	2	37
BP	50	200	22	30 x 180 x 5	250	225	0	11,5	2	52
BP	50	300	22	30 x 280 x 5	350	325	0	11,5	2	82
BP	50	400	22	2 x 30 x 185 x 5	450	425	0	11,5	2	112
BP	50	500	22	2 x 30 x 235 x 5	550	525	0	11,5	2	142
BP	100	150	22	80 x 130 x 5	200	175	60	14,0	4	98
BP	100	200	22	80 x 180 x 5	250	225	60	14,0	4	138
BP	100	300	22	80 x 280 x 5	350	325	60	14,0	4	219
BP	100	400	22	2 x 80 x 185 x 5	450	425	60	14,0	4	286
BP	100	500	22	2 x 80 x 235 x 5	550	525	60	14,0	4	366
BP	150	200	22	130 x 180 x 5	250	225	100	14,0	4	228
BP	150	300	22	130 x 280 x 5	350	325	100	14,0	4	358
BP	150	400	22	2 x 130 x 185 x 5	450	425	100	14,0	4	471
BP	150	500	22	2 x 130 x 235 x 5	550	525	100	14,0	4	600
BP	200	300	22	180 x 280 x 5	350	325	150	14,0	4	498
BP	200	400	22	2 x 180 x 185 x 5	450	425	150	14,0	4	656
BP	200	500	22	2 x 180 x 235 x 5	550	525	150	14,0	4	835

Please notice "Remarks concerning design".  
Special sizes available upon request.

**3.2.1.6**

Sliding support for fixing by welding



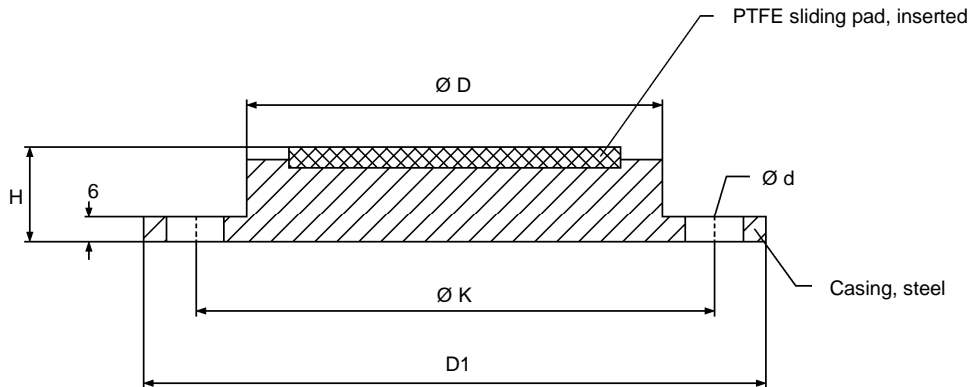
A stainless plate must be used as counter sliding support to ensure a low coefficient of friction.  
(see "counter sliding support", page 3.2.1.9)

	$\varnothing d$	H	PTFE	Load (kN)
RR	50	10	$\varnothing 40 \times 5$	13
RR	80	12	$\varnothing 60 \times 5$	29
RR	100	12	$\varnothing 80 \times 5$	50
RR	120	12	$\varnothing 100 \times 5$	78
RR	150	12	$\varnothing 130 \times 5$	132
RR	180	12	$\varnothing 160 \times 5$	200
RR	200	12	$\varnothing 180 \times 5$	254

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Sliding support  
Type BR**

Sliding support for fixing by bolts



A stainless plate must be used as counter sliding support to ensure a low coefficient of friction.  
(see "counter sliding support", page 3.2.1.9)

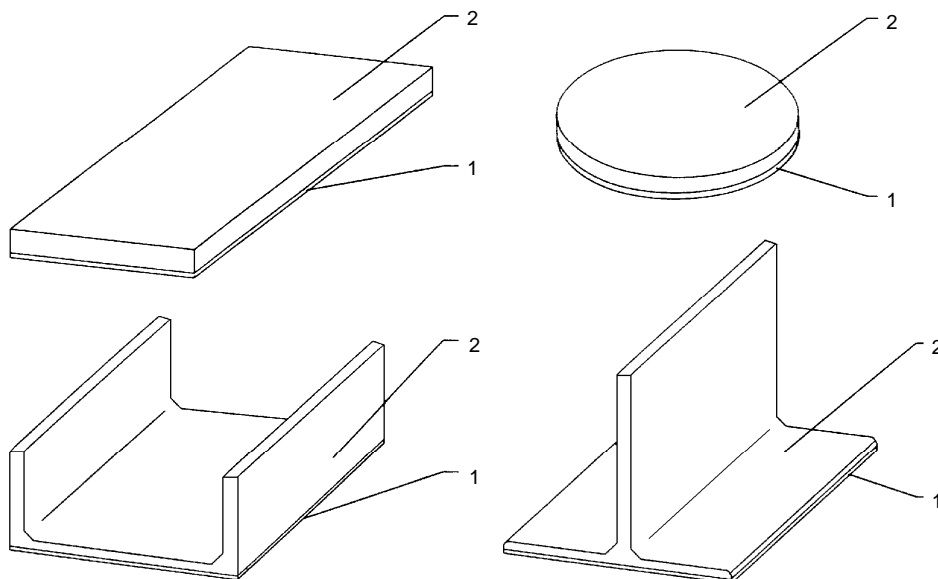
	<b>B</b>	<b>H</b>	<b>PTFE</b>	<b>Ø K</b>	<b>D1</b>	<b>Ø d</b>	<b>Load (kN)</b>
BR	50	22	Ø 40 x 5	70	90	11,5	13
BR	80	22	Ø 60 x 5	100	125	11,5	29
BR	100	22	Ø 80 x 5	125	150	14,0	50
BR	150	22	Ø 130 x 5	175	200	14,0	132
BR	200	22	Ø 180 x 5	230	260	18,0	254
BR	250	22	Ø 230 x 5	280	310	18,0	415
BR	300	22	Ø 280 x 5	330	360	18,0	615

Please notice "Remarks concerning design".  
Special sizes available upon request.

We recommend to use high-grade stainless steel sheet as counter sliding support

2 mm thick - Werkstoff 1.4401 or  
3 mm thick - Werkstoff 1.4301

Surface finish to DIN 17440, type M, HV1 = 1300 N/mm<sup>2</sup>, peak-to valley height Rz 1 µm.  
Suitable counter sliding supports are available in a vareity of designs.



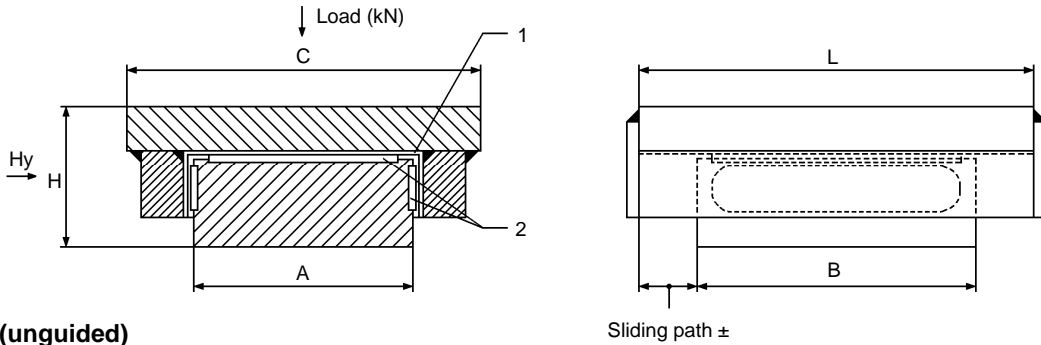
1. *Stainless steel sheet  
welded all around*

2. *For ex. St.37.2*

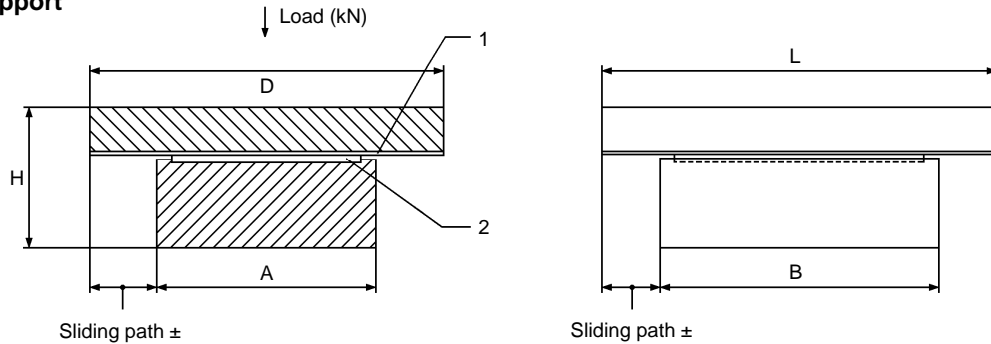
We also supply cut-to-order stainless steel sheet.

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Guided sliding support**



**Loose (unguided) sliding support**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

2. Inserted PTFE pad

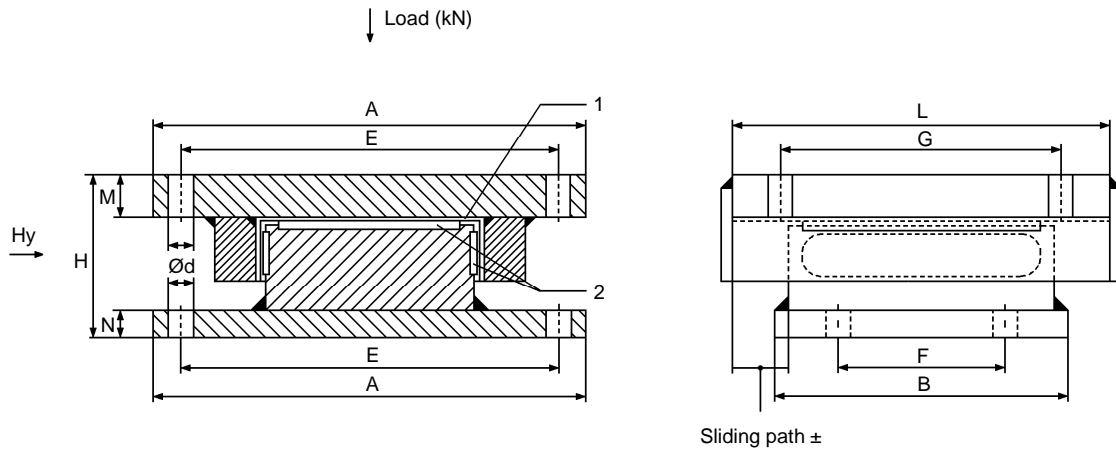
Load (kN)	Hy (kN)	A	B	C	H	D at sliding path			L at sliding path		
						±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm
20	15	50	50	100	55	90	130	210	90	130	210
50	30	50	100	110	55	90	130	210	140	180	260
100	30	80	100	140	55	120	160	240	140	180	260
250	75	100	150	170	70	140	180	260	190	230	310
500	125	150	180	230	90	190	230	310	220	260	340
750	200	150	250	240	95	190	230	310	290	330	410
1000	200	200	250	290	95	240	280	360	290	330	410
1250	300	230	250	340	125	270	310	390	290	330	410
1500	300	250	250	360	125	290	330	410	290	330	410
1750	400	250	300	380	135	290	330	410	290	380	460
2000	400	300	300	430	135	340	380	460	340	380	460

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Flat sliding support  
Type N804**

Flat sliding support for xing by bolts  
and guided

**Guided sliding support**



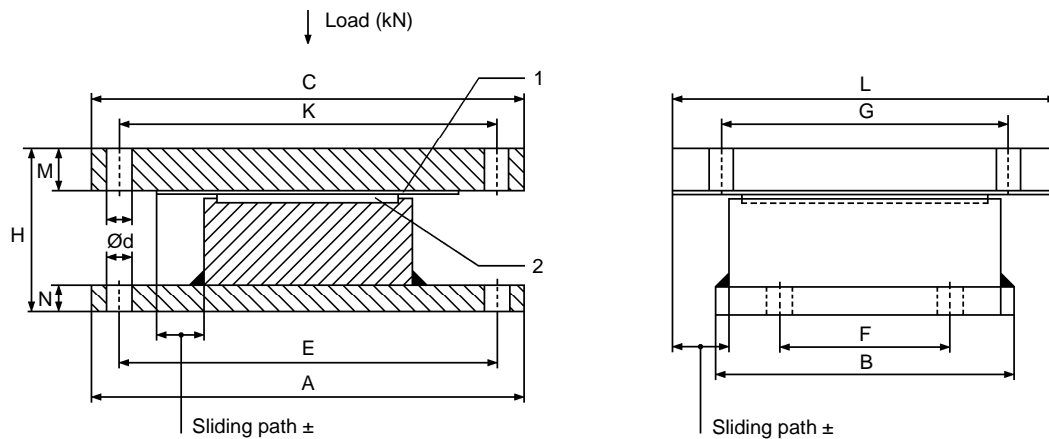
1. Stainless steel sheet Werkstoff 1.4404 welded all around

2. Inserted PTFE pad

Load (kN)	Hy (kN)	A	B	H	Ød	E	F	D at sliding path			L at sliding path			M	N
								±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm		
20	15	170	50	70	14	130	0	50	90	170	90	130	210	15	15
150	30	180	100	70	14	140	60	100	140	220	140	180	260	15	15
100	30	210	100	70	14	170	60	100	140	220	140	180	260	15	15
250	75	250	150	85	18	200	100	140	180	260	190	230	310	20	15
500	125	310	180	110	18	260	130	180	220	300	220	260	340	25	20
750	200	340	250	115	23	280	180	230	270	350	290	330	410	30	20
1000	200	390	250	115	13	330	180	230	270	350	290	330	410	30	20
1250	300	450	250	150	27	380	180	200	240	320	290	330	410	40	25
1500	300	470	250	150	27	400	180	200	240	320	290	330	410	40	25
1750	400	520	300	165	33	430	200	250	290	370	340	380	460	50	30
2000	400	570	300	165	33	480	200	250	290	370	340	380	460	50	30

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Loose (unguided)  
sliding support**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

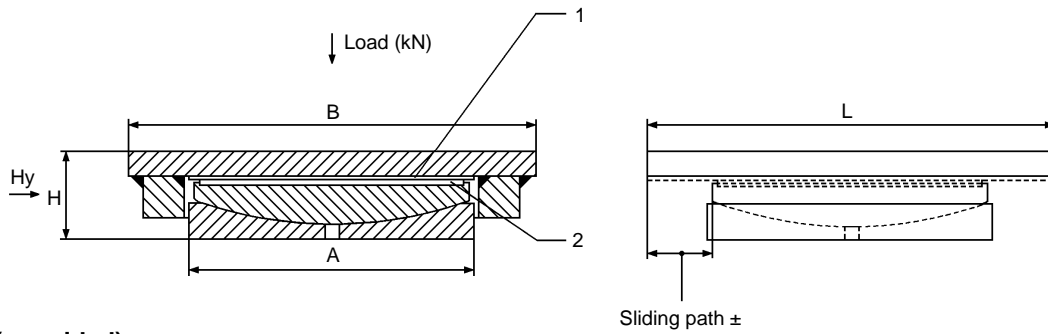
2. Inserted PTFE pad

Load (kN)	A	B	H	C at sliding path			Ød	E	F	G at sliding path			K at sliding path			L at sliding path			M	N
				±20 mm	±40 mm	±80 mm				±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm		
20	170	50	70	160	200	280	14	130	0	50	90	170	120	160	240	90	130	210	15	15
50	180	100	70	160	200	280	14	140	60	100	140	220	120	160	240	140	180	260	15	15
100	210	100	70	190	230	310	14	170	60	100	140	220	150	190	270	140	180	260	15	15
250	250	150	85	220	260	340	18	200	100	140	180	260	170	210	290	190	230	310	20	15
500	310	180	110	270	310	390	18	260	130	180	220	300	220	260	340	220	260	340	25	20
750	340	250	115	290	330	410	23	280	180	230	270	350	230	270	350	290	330	410	30	20
1000	390	250	115	340	380	460	23	330	180	230	270	350	280	320	400	290	330	410	30	20
1250	450	250	150	380	420	500	27	380	180	200	240	320	310	350	430	290	330	410	40	25
1500	470	250	150	400	440	520	27	400	180	200	240	320	330	370	450	290	330	410	40	25
1750	520	300	165	480	520	600	33	430	200	250	290	370	390	430	510	340	380	460	50	30
2000	570	300	165	530	570	650	33	480	200	250	290	370	440	480	560	340	380	460	50	30

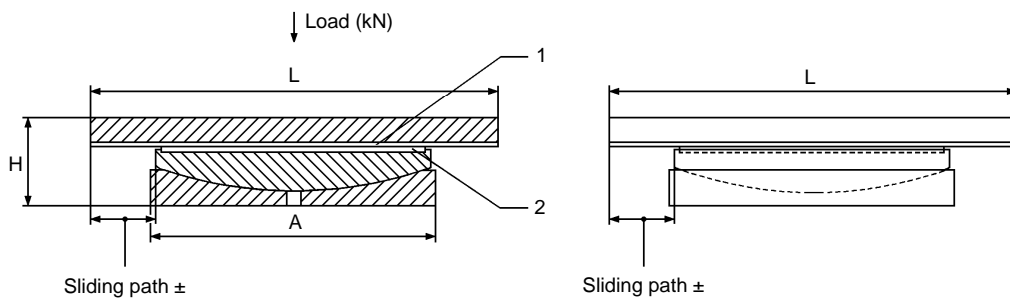
Please notice "Remarks concerning design".  
Special sizes available upon request.

Cupshaped support for fixing by welding

**Guided sliding support**



**Losse (unguided)  
sliding support**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

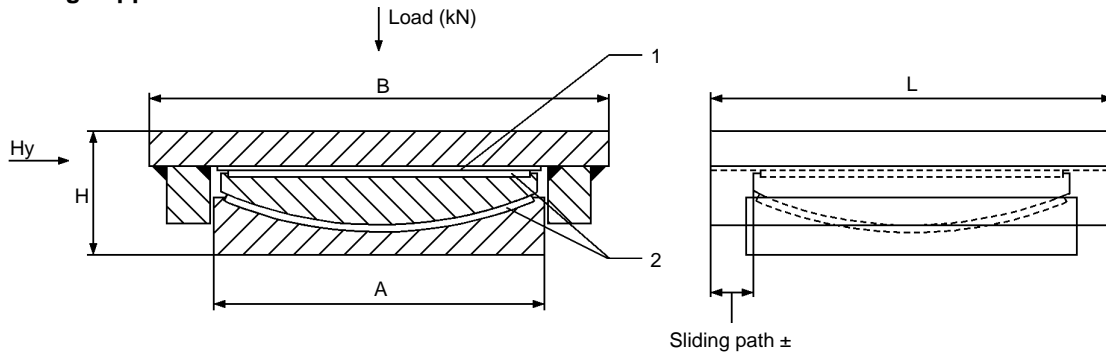
2. Inserted PTFE pad

Load (kN)	Hy (kN)	A	B	H	L at sliding path		
					±20 mm	±40 mm	±80 mm
100	20	90	140	45	120	160	240
250	50	130	190	50	160	200	280
500	100	170	250	57	200	240	320
750	150	200	290	65	230	270	350
1000	200	230	320	70	260	300	380
1500	300	280	400	75	310	350	430
2000	400	320	460	87	350	390	470

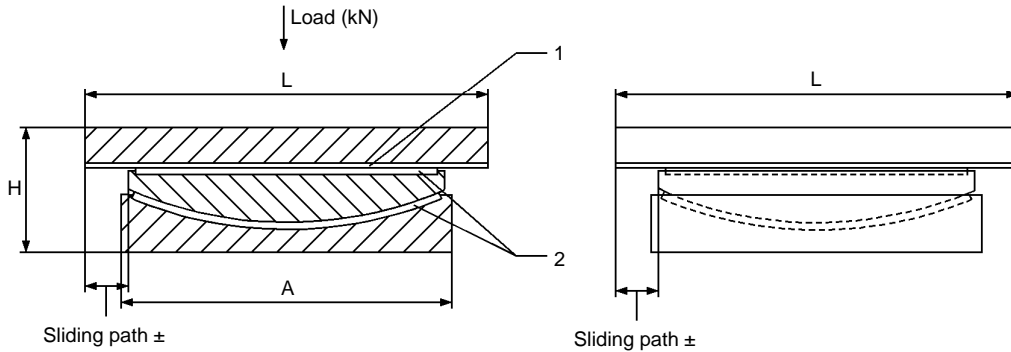
Please notice "Remarks concerning design".  
Special sizes available upon request.

Cupshaped support for fixing by welding

**Guided sliding support**



**Losse (unguided)  
sliding support**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

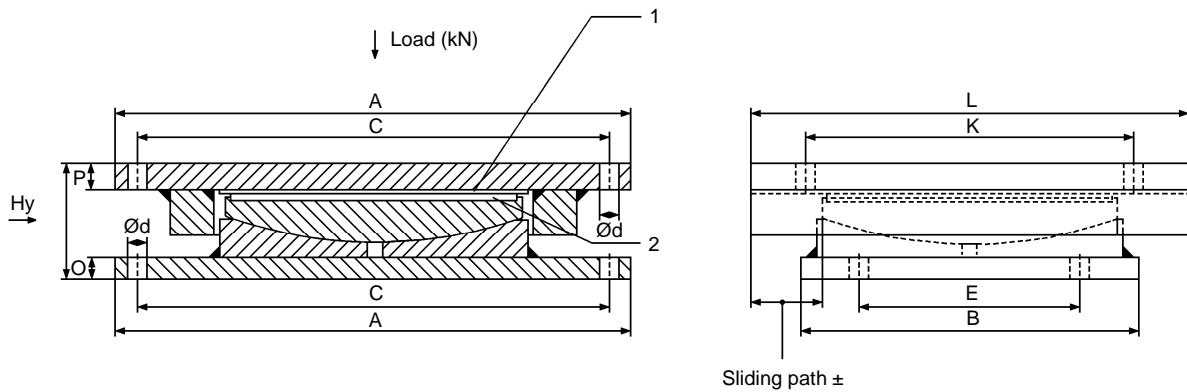
2. Inserted PTFE pad

Load (kN)	Hy (kN)	A	B	H	L at sliding path		
					±20 mm	±40 mm	±80 mm
250	50	130	190	67	160	200	280
500	100	170	250	73	200	240	320
1000	200	230	320	86	260	300	380
1500	300	280	400	91	310	350	430
2000	400	320	460	103	350	390	470

Please notice "Remarks concerning design".  
Special sizes available upon request.

Cupshaped support for fixing by bolts

**Guided sliding support**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

2. Inserted PTFE pad

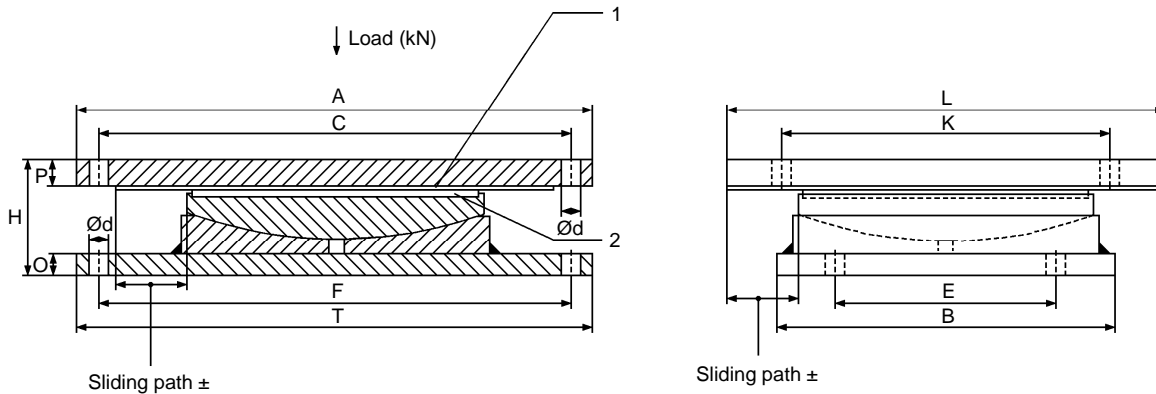
Load (kN)	Hy (kN)	A	B	C	E	H	O	P	Ød	L at sliding path			L at sliding path		
										±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm
20	4	170	70	130	0	52	10	12	14	90	130	210	50	90	170
50	10	190	90	150	50	55	10	12	14	110	150	230	70	110	190
100	20	200	100	160	60	55	10	15	14	120	160	240	80	120	200
250	50	250	140	210	100	65	15	15	14	160	200	280	120	160	240
500	100	330	180	280	120	77	20	20	18	200	240	320	150	190	270
750	150	370	210	320	150	85	20	20	18	230	270	350	180	220	300
1000	200	420	240	360	170	95	25	25	23	260	300	380	190	230	310
1500	300	520	290	440	200	100	25	25	27	310	350	430	230	270	350
2000	400	620	330	520	230	117	30	35	33	350	380	470	250	290	370
2500	500	670	370	570	270	133	30	45	33	390	430	510	290	330	410
3000	600	700	400	600	300	133	30	45	33	420	460	540	320	360	440
3500	700	760	430	600	330	150	30	55	33	450	490	570	350	390	470
4000	800	810	450	690	330	158	35	60	39	470	510	590	350	390	470
4500	900	870	480	750	360	165	35	60	39	500	540	620	380	420	500
5000	1000	890	500	770	380	164	35	60	39	520	560	640	400	440	520

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Cupshaped support  
Type N816**

Cupshaped support for fixing by bolts

**Loose (unguided)  
sliding support**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

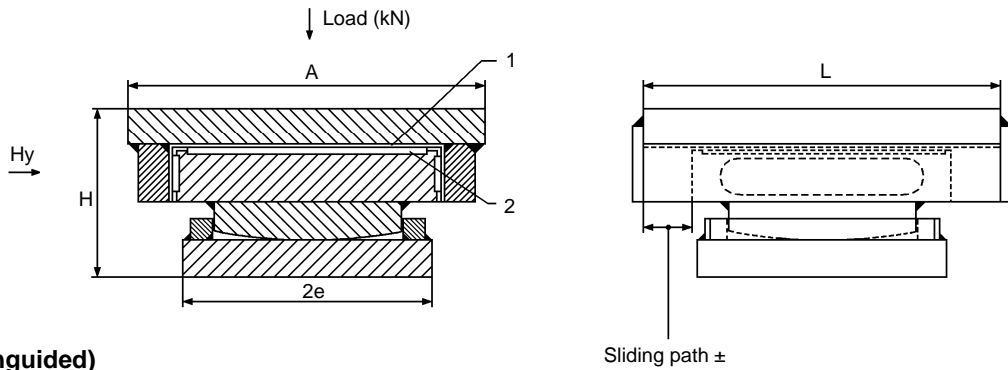
2. Inserted PTFE pad

Load (kN)	T	B	F	E	H	O	P	Ød	A at sliding path			C at sliding path			L at sliding path			K at sliding path		
									±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm
20	170	70	130	0	52	10	12	14	160	200	280	120	160	240	90	130	210	50	90	170
50	190	90	150	50	55	10	12	14	180	220	300	140	180	260	110	150	230	70	110	190
100	200	100	160	60	55	10	15	14	190	230	310	150	190	270	120	160	240	80	120	200
250	250	140	210	100	65	15	15	14	230	270	350	190	230	310	160	200	280	120	160	240
500	330	180	280	120	77	20	20	18	290	330	390	240	280	360	200	240	320	150	190	270
750	370	210	320	150	85	20	20	18	320	360	410	270	310	390	230	270	350	180	220	300
1000	420	240	360	170	95	25	25	23	360	400	440	300	340	420	260	300	380	190	230	310
1500	520	290	440	200	100	25	25	27	430	470	480	360	400	480	310	350	430	230	270	350
2000	620	330	520	230	117	30	35	33	500	540	550	410	450	530	350	390	470	250	290	370
2500	670	370	570	270	133	30	45	33	540	580	620	450	490	570	390	430	510	290	330	410
3000	700	400	600	300	133	30	45	33	570	610	690	480	520	600	420	460	540	320	360	440
3500	760	430	660	330	150	30	55	33	600	640	720	510	550	630	450	490	570	350	390	470
4000	810	450	690	330	158	35	60	39	650	690	770	540	580	660	470	510	590	350	390	470
4500	870	480	750	360	165	35	60	39	680	720	800	570	610	690	500	540	620	380	420	500
5000	890	500	770	380	164	35	60	39	700	740	820	590	630	710	520	560	640	400	440	520

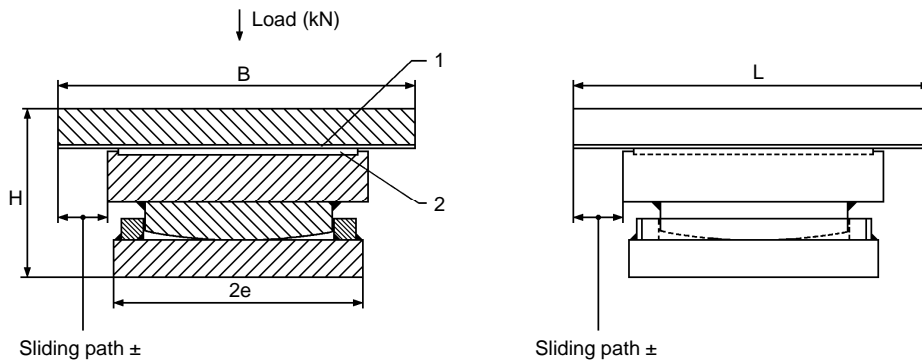
Please notice "Remarks concerning design".  
Special sizes available upon request.

Cupshaped support for fixing by welding

**Guided sliding support**



**Loose (unguided) sliding support**



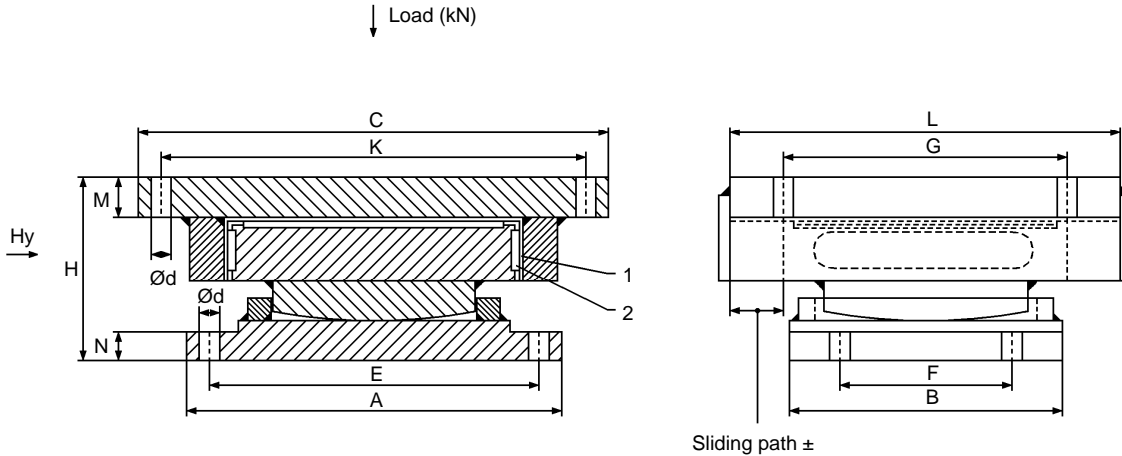
1. Stainless steel sheet Werkstoff 1.4404 welded all around

2. Inserted PTFE pad

Load (kN)	Hy (kN)	H	2e	A	B/L at sliding path		
					±20 mm	±40 mm	±80 mm
100	10	85	150	140	140	180	260
200	20	105	180	160	160	200	280
400	40	125	200	200	200	240	320
500	50	135	210	230	220	260	340
800	80	165	240	270	260	300	380
1000	100	185	270	300	290	330	410
1500	150	210	300	360	340	380	460
2000	200	225	350	400	380	420	500
2500	250	245	370	450	420	460	540
3000	300	260	400	480	450	490	570
3500	350	285	420	510	480	520	600
4000	400	295	440	540	510	550	630
4500	450	305	460	590	540	580	660
5000	500	325	470	620	570	610	690

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Guided sliding support**



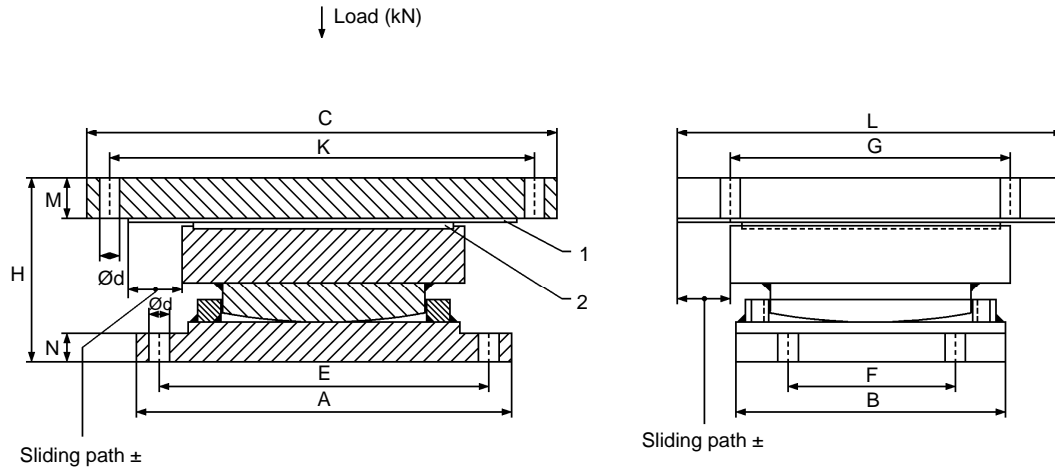
1. Stainless steel sheet Werkstoff 1.4404 welded all around

2. Inserted PTFE pad

Load (kN)	Hy (kN)	H	A	B	E	F	C	K	Ød	N	M	G	L at sliding path		
													±20 mm	±40 mm	±80 mm
100	10	85	230	150	190	110	230	190	18	20	20	100	140	180	260
200	20	105	260	180	220	140	260	220	18	30	25	120	160	200	280
400	40	125	260	180	220	140	300	260	18	30	30	160	200	240	320
500	50	135	280	200	240	160	330	290	18	30	30	180	220	260	340
800	80	165	300	220	260	180	370	330	18	35	35	220	260	300	380
1000	100	185	340	240	290	190	420	370	23	35	35	240	290	330	410
1500	150	210	360	260	310	210	480	430	23	40	40	290	340	380	460
2000	200	225	420	300	360	240	540	480	27	45	45	320	380	420	500
2500	250	245	440	320	380	260	590	530	27	45	45	360	420	460	540
3000	300	260	480	340	410	270	640	570	33	50	50	380	450	490	570
3500	350	285	500	360	430	290	670	600	33	55	55	410	480	520	600
4000	400	295	510	370	440	300	700	630	33	55	55	440	510	550	630
4500	450	305	540	380	460	300	780	700	39	55	55	460	540	580	660
5000	500	325	550	390	470	310	810	730	39	55	55	490	570	610	690

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Loose (unguided)  
sliding support**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

2. Inserted PTFE pad

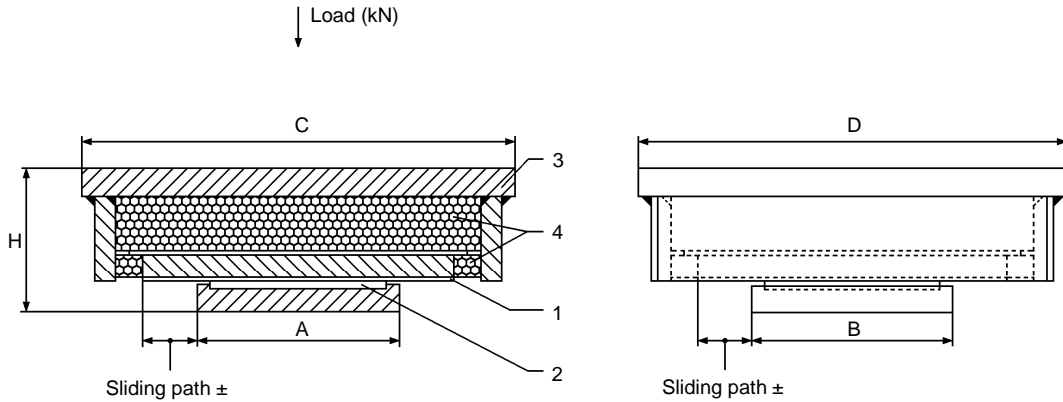
Load (kN)	H	A	B	E	F	Ød	N	M	G	L at sliding path			C at sliding path			K at sliding path		
										±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm	±20 mm	±40 mm	±80 mm
100	85	230	150	190	110	18	20	20	100	140	180	260	210	250	330	180	220	300
200	105	260	180	220	140	18	30	25	120	160	200	280	230	270	350	200	240	320
400	125	260	180	220	140	18	30	30	160	200	240	320	270	310	390	240	280	360
500	135	280	200	240	160	18	30	30	180	220	260	340	290	330	410	260	300	380
800	165	300	220	260	180	18	35	35	220	260	300	380	330	370	450	300	340	420
1000	185	340	240	290	190	23	35	35	240	290	330	410	370	410	490	330	370	450
1500	210	360	260	310	210	23	40	40	290	340	380	460	420	460	540	380	420	500
2000	225	420	300	360	240	27	45	45	320	380	420	500	480	520	600	430	470	550
2500	245	440	320	380	260	27	45	45	360	420	460	540	520	560	640	470	510	590
3000	260	480	340	410	270	33	50	50	380	450	490	570	570	610	690	510	550	630
3500	285	500	360	430	290	33	55	55	410	480	520	600	600	640	720	540	580	660
4000	295	510	370	440	300	33	55	55	440	510	550	630	630	670	750	570	610	690
4500	305	540	380	460	300	39	55	55	460	540	580	660	680	720	800	610	650	730
5000	325	550	390	470	310	39	55	55	490	570	610	690	710	750	830	640	680	760

Please notice "Remarks concerning design".  
Special sizes available upon request.

**Flat sliding support  
Type N835**

Flat PTFE sliding support for high temperatures  
up to + 600°C

**Loose (unguided)  
sliding support**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

2. Inserted PTFE pad

3. Refractory steel

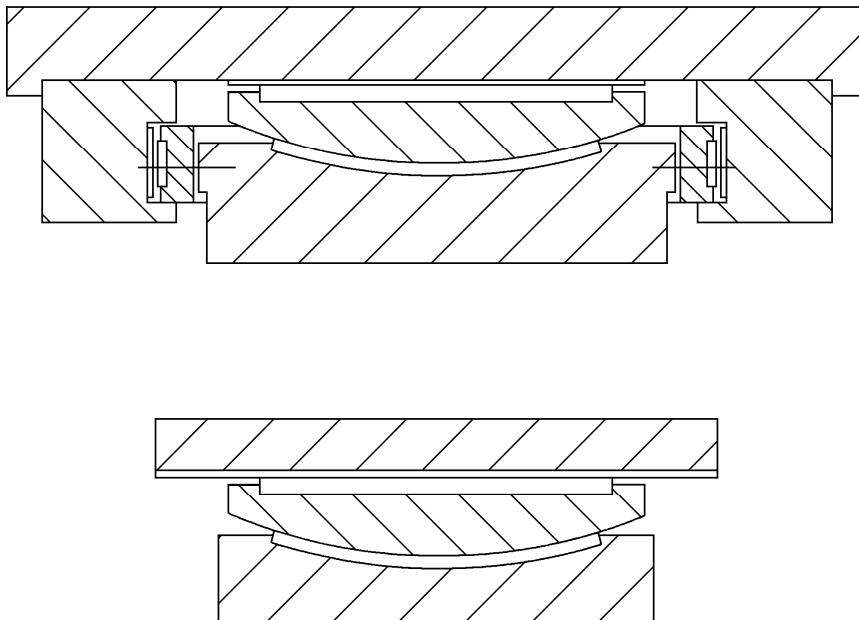
4. Insulating material

Load (kN)	A	B	C at sliding path		D at sliding path		H at T=300°	H at T=600°
			±25 mm	±50 mm	±25 mm	±50 mm		
100	100	100	240	290	240	290	82	102
250	150	150	290	340	290	340	82	102
500	200	200	340	340	340	390	82	102
750	200	200	340	400	390	400	87	107
1000	250	250	400	450	400	450	87	107

Please notice "Remarks concerning design".  
Special sizes available upon request.

**"Monslide HT" IBG Cubshaped bearing approved by the building authorities**

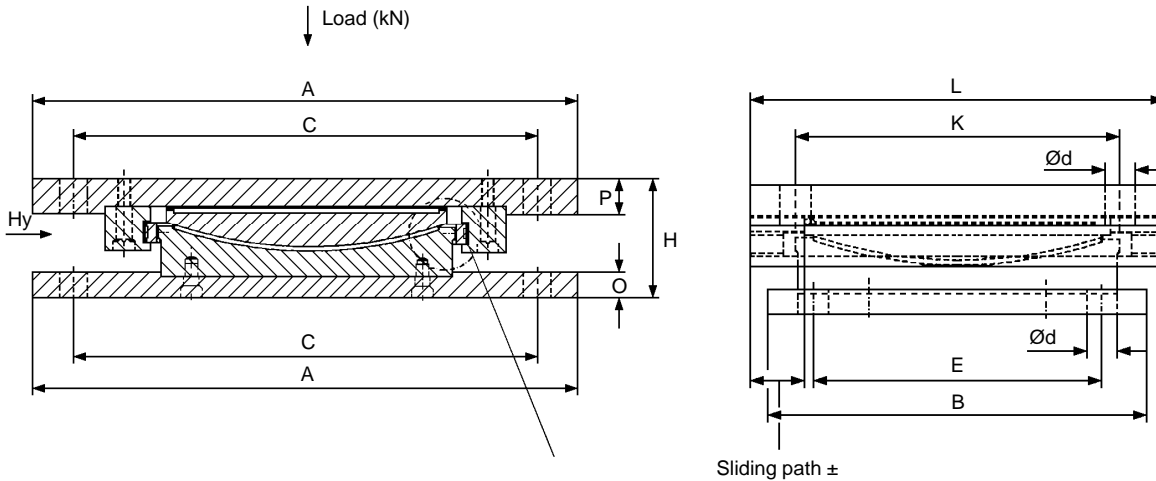
On account of stringent safety requirements in bridge construction, PTFE sliding bearings are used, that are approved by the German Institute of Building Tehnology (IFBT). Plant construction places high demands regarding the load strength of bearings. To this must added the expectations regarding the high-temperature range. For this field of application we supply our (IBG) "Monslide HT" bearing that has been approved by the building authorities. This guarantees the highest possible safety for structures.



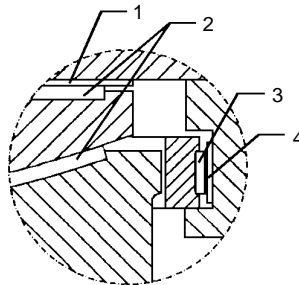
**Cupshaped support  
Type N880**

Cupshaped support for fixing by bolts  
"Monslide HT"

**Guided sliding support**



1. Stainless sttel sheet  
1.4539 welded all around
2. Inserted PTFE pad
3. Inserted strips of multi-layer material
4. Stainless steel sheet werkstoff  
1.4539 welded all around



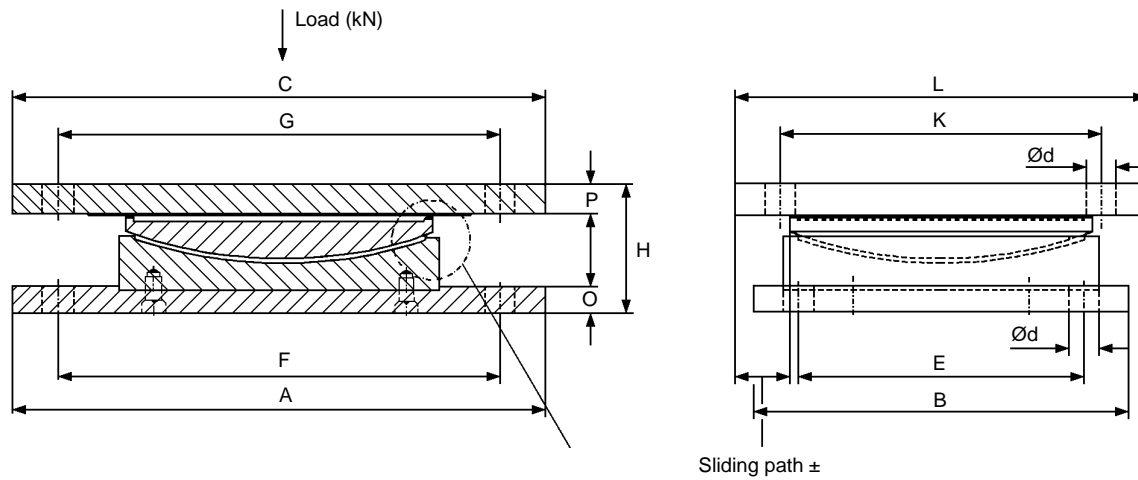
Load (kN)	Hy (kN)	A	B	C	E	H	O	P	Ød	L at sliding path		K at sliding path	
										±40 mm	±80 mm	±40 mm	±80 mm
500	50	410	250	360	200	115	25	35	35	18	290	240	320
1000	100	530	340	470	280	128	30	40	40	23	380	320	400
1500	150	600	380	520	300	134	30	40	40	27	420	340	420
2000	200	660	420	560	320	145	30	45	45	33	460	360	440
3000	300	720	500	620	400	156	30	50	50	33	540	440	520
4000	400	870	550	750	430	184	40	60	60	39	590	470	550
5000	500	920	600	800	480	201	40	70	70	39	640	520	600

Please notice "Remarks concerning design".  
Special sizes available upon request.

**3.2.1.22**

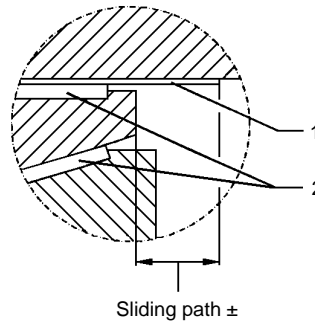
Cupshaped support for fixing by bolts  
"Monslide"

**Guided sliding support**



1. Stainless steel sheet werkstoff  
1.4539 welded all around

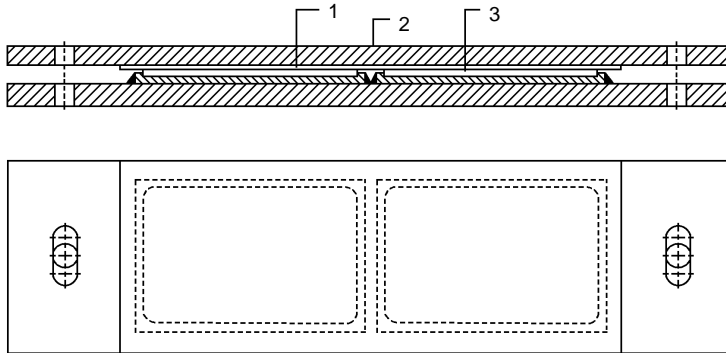
2. Inserted PTFE pad



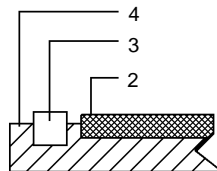
Load (kN)	A	B	C at sliding path		G at sliding path		E	F	H	O	P	Ød	L at sliding path		K at sliding path	
			±40 mm	±80 mm	±40 mm	±80 mm							±40 mm	±80 mm	±40 mm	±80 mm
500	350	250	350	430	300	380	360	300	115	25	25	18	250	330	200	280
1000	450	340	450	530	390	470	470	390	128	30	30	23	340	420	280	360
1500	520	380	520	600	440	520	520	440	134	30	30	27	380	460	300	380
2000	580	420	580	660	480	560	560	480	145	30	35	33	420	500	320	400
3000	660	500	660	740	560	640	620	560	156	30	40	33	500	580	400	480
4000	750	550	750	830	630	710	750	630	184	40	50	39	550	630	430	510
5000	800	600	800	880	680	760	800	680	201	40	60	39	600	680	480	560

Please notice "Remarks concerning design".  
Special sizes available upon request.

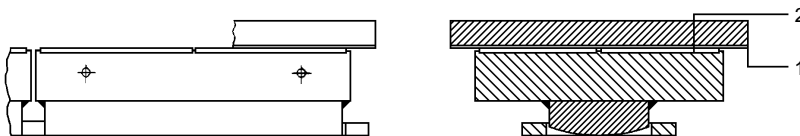
**Guided flat plain bearing made of polytetrafluoroethylene with lifting security**



**PTFE support with dust protection**



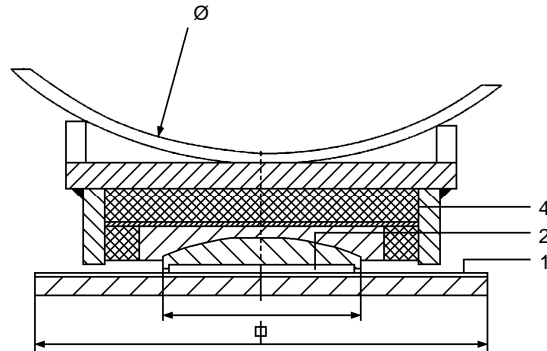
**Line rocker bearing for a boiler frame structure, max. load 21.000kN**



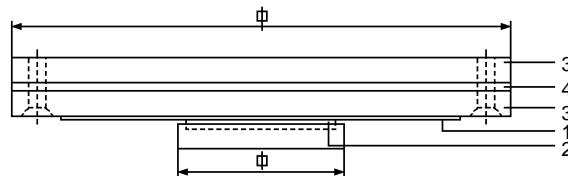
- |   |                        |
|---|------------------------|
| 1. Stainless steel sheet Werkstoff 1.4404 welded all around | 2. Inserted PTFE pad   |
| 3. For ex. St 37.2  | 4. Insulating material |

Standard bearings are not always suitable for all purposes. However we are specializes in producing bearing desings to satisfy virtually all requirements. Please send us a complete check list for this purpose, see page 3.3.1.4.

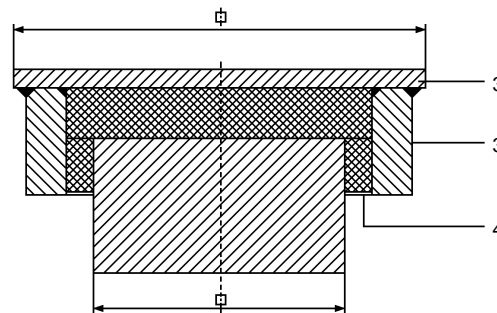
**Plain pipe bearing with spherical part for high connecting temperatures**



**Flat plain bearing for high connecting temperatures**



**Fixed-point bearing with heat neutralization**



1. Stainless steel sheet Werkstoff 1.4404 welded all around

2. Inserted PTFE pad

3. For ex. St 37.2

4. Insulating material

Standard bearings are not always suitable for all purposes.  
However we are specializes in producing bearing desings to satisfy virtually all requirements.  
Please send us a complete check list for this purpose, see page 3.3.1.4.