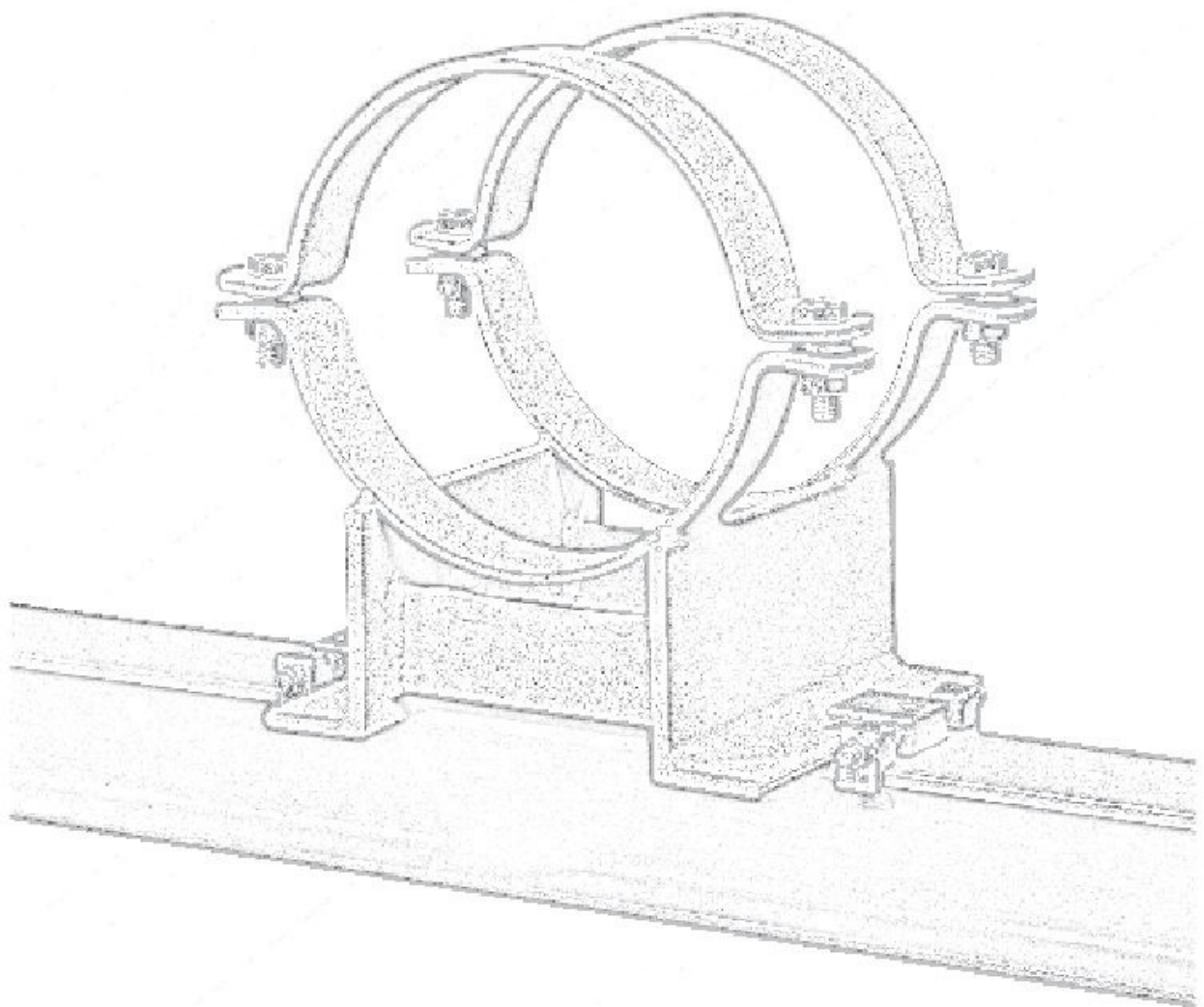
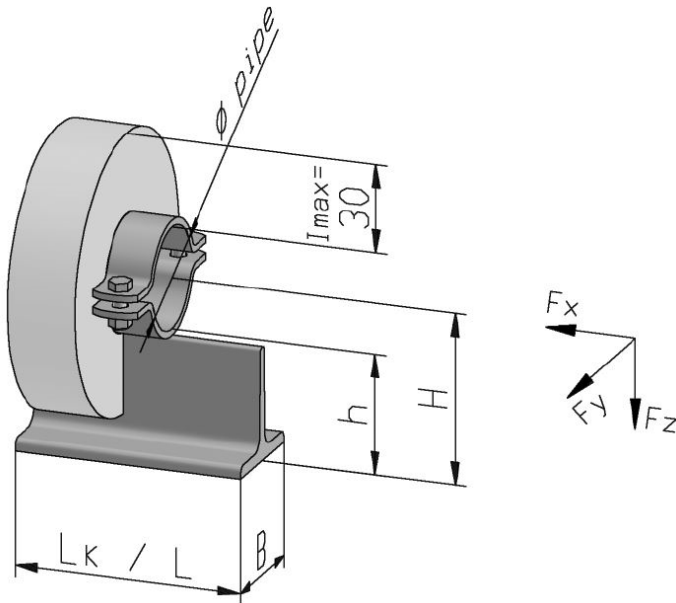


SLIDING SUPPORTS



**Sliding support
Type GLT 060
DN 15 - DN 80**



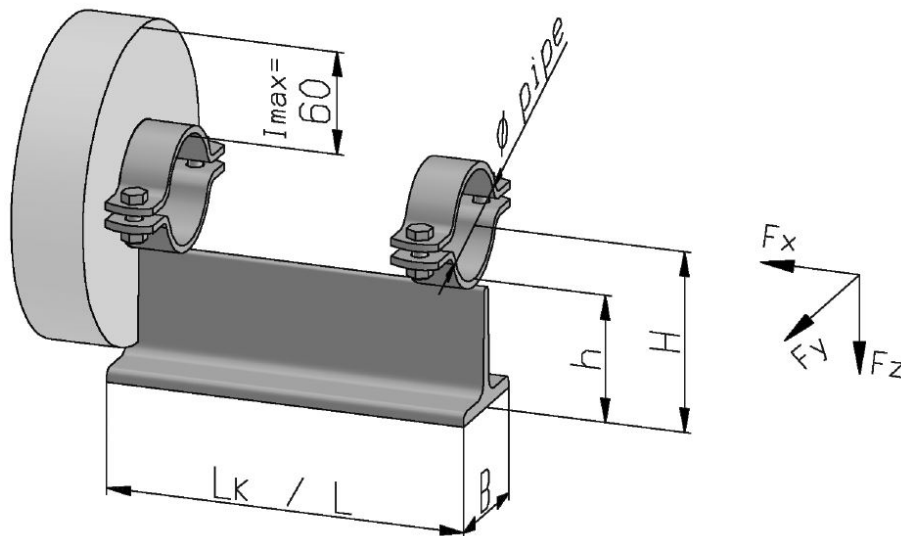
Sliding support - type GLT 060

DN 15 - DN 80

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) at 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLT(K)-060/022-R-B3	21,3	60	150	200	65	76	0,5	0,5	1,8	1,2	1,5
GLT(K)-060/025-R-B3	25,0	60	150	200	65	78	0,5	0,5	1,8	1,2	1,5
GLT(K)-060/027-R-B3	26,9	60	150	200	65	79	0,5	0,5	1,8	1,2	1,6
GLT(K)-060/030-R-B3	30,0	60	150	200	65	80	0,5	0,5	1,8	1,3	1,6
GLT(K)-060/034-R-B3	33,7	60	150	200	65	82	0,5	0,5	1,8	1,3	1,6
GLT(K)-060/038-R-B3	38,0	60	150	200	65	84	0,5	0,5	1,8	1,3	1,6
GLT(K)-060/043-R-B3	42,4	60	150	200	65	87	0,5	0,5	1,8	1,3	1,6
GLT(K)-060/045-R-B3	44,5	60	150	200	65	88	0,5	0,5	1,8	1,3	1,6
GLT(K)-060/049-R-B3	48,3	60	150	200	65	90	0,5	0,5	1,8	1,3	1,6
GLT(K)-060/057-R-B3	57,0	60	150	200	66	95	0,7	0,7	2,4	1,6	1,9
GLT(K)-060/061-R-B3	60,3	60	150	200	66	97	0,7	0,7	2,4	1,6	1,9
GLT(K)-060/077-R-B3	76,1	60	150	200	66	105	0,7	0,7	2,4	1,7	2,1
GLT(K)-060/089-R-B3	88,9	60	150	200	66	111	0,7	0,7	2,4	1,8	2,1

**Sliding support
Type GLT 080
DN 15 - DN 200**



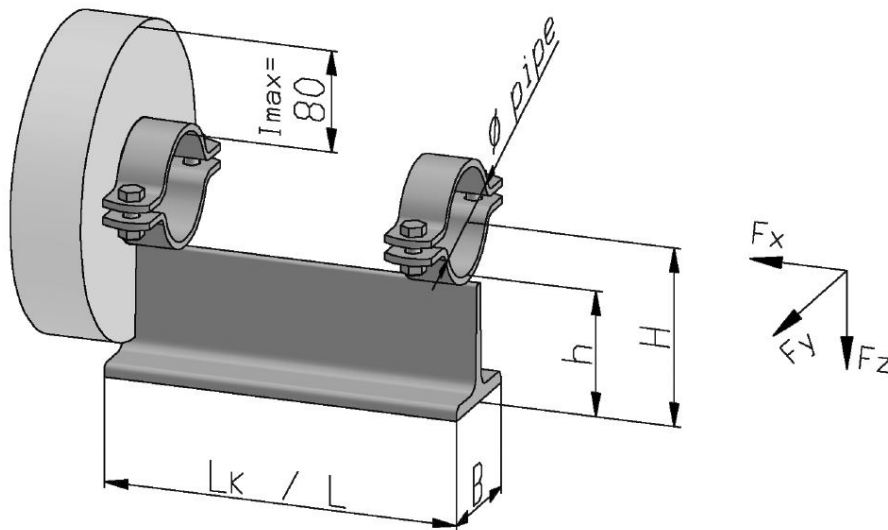
Sliding support - type GLT 080

DN 15 - DN 200

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLT(K)-080/022-R-B3	21,3	80	200	300	85	96	1,1	1,1	3,6	2,7	3,8
GLT(K)-080/025-R-B3	25,0	80	200	300	85	98	1,1	1,1	3,6	2,7	3,8
GLT(K)-080/027-R-B3	26,9	80	200	300	85	99	1,1	1,1	3,6	2,8	3,8
GLT(K)-080/030-R-B3	30,0	80	200	300	85	100	1,1	1,1	3,6	2,8	3,9
GLT(K)-080/034-R-B3	33,7	80	200	300	85	102	1,1	1,1	3,6	2,8	3,9
GLT(K)-080/038-R-B3	38,0	80	200	300	85	104	1,1	1,1	3,6	2,8	3,9
GLT(K)-080/043-R-B3	42,4	80	200	300	85	107	1,1	1,1	3,6	2,9	3,9
GLT(K)-080/045-R-B3	44,5	80	200	300	85	108	1,1	1,1	3,6	2,9	4,0
GLT(K)-080/049-R-B3	48,3	80	200	300	85	110	1,1	1,1	3,6	2,9	4,0
GLT(K)-080/057-R-B3	57,0	80	200	300	86	115	1,4	1,4	4,8	3,5	4,6
GLT(K)-080/061-R-B3	60,3	80	200	300	86	117	1,4	1,4	4,8	3,5	4,6
GLT(K)-080/077-R-B3	76,1	80	200	300	86	125	1,4	1,4	4,8	3,8	4,8
GLT(K)-080/089-R-B3	88,9	80	200	300	86	131	1,4	1,4	4,8	3,9	5,0
GLT(K)-080/108-R-B3	108,0	80	200	300	88	142	1,8	1,8	6,0	5,8	6,9
GLT(K)-080/115-R-B3	114,3	80	200	300	88	146	1,8	1,8	6,0	5,9	7,0
GLT(K)-080/133-R-B3	133,0	80	200	300	88	155	1,8	1,8	6,0	6,2	7,3
GLT(K)-080/140-R-B3	139,7	80	200	300	88	158	1,8	1,8	6,0	6,3	7,4
GLT(K)-080/159-R-B3	159,0	80	200	300	88	168	1,8	1,8	6,0	6,7	7,7
GLT(K)-080/169-R-B3	168,3	80	200	300	88	173	1,8	1,8	6,0	6,8	7,9
GLT(K)-080/194-R-B3	193,7	80	200	300	88	185	1,8	1,8	6,0	7,5	8,6
GLT(K)-080/220-R-B3	219,1	80	200	300	88	198	1,8	1,8	6,0	7,9	9,0

**Sliding support
Type GLT 100
DN 15 - DN 200**



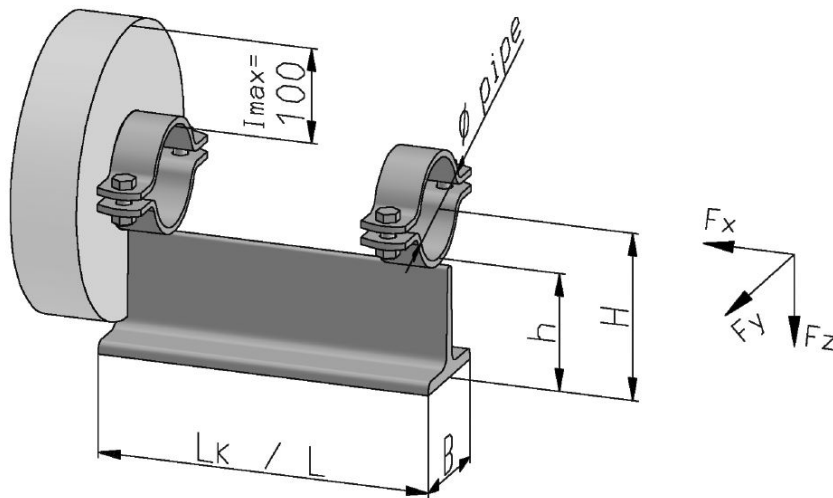
Sliding support - type GLT 100

DN 15 - DN 200

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLT(K)-100/022-R-B3	21,3	100	200	300	105	116	1,1	1,1	3,6	3,8	5,5
GLT(K)-100/025-R-B3	25,0	100	200	300	105	118	1,1	1,1	3,6	3,9	5,5
GLT(K)-100/027-R-B3	26,9	100	200	300	105	119	1,1	1,1	3,6	3,9	5,5
GLT(K)-100/030-R-B3	30,0	100	200	300	105	120	1,1	1,1	3,6	3,9	5,6
GLT(K)-100/034-R-B3	33,7	100	200	300	105	122	1,1	1,1	3,6	3,9	5,6
GLT(K)-100/038-R-B3	38,0	100	200	300	105	124	1,1	1,1	3,6	4,0	5,6
GLT(K)-100/043-R-B3	42,4	100	200	300	105	127	1,1	1,1	3,6	4,0	5,6
GLT(K)-100/045-R-B3	44,5	100	200	300	105	128	1,1	1,1	3,6	4,0	5,7
GLT(K)-100/049-R-B3	48,3	100	200	300	105	130	1,1	1,1	3,6	4,0	5,7
GLT(K)-100/057-R-B3	57,0	100	200	300	106	135	1,4	1,4	4,8	4,6	6,3
GLT(K)-100/061-R-B3	60,3	100	200	300	106	137	1,4	1,4	4,8	4,7	6,3
GLT(K)-100/077-R-B3	76,1	100	200	300	106	145	1,4	1,4	4,8	4,9	6,5
GLT(K)-100/089-R-B3	88,9	100	200	300	106	151	1,4	1,4	4,8	5,0	6,7
GLT(K)-100/108-R-B3	108,0	100	200	300	108	162	1,8	1,8	6,0	7,0	8,6
GLT(K)-100/115-R-B3	114,3	100	200	300	108	166	1,8	1,8	6,0	7,1	8,7
GLT(K)-100/133-R-B3	133,0	100	200	300	108	175	1,8	1,8	6,0	7,4	9,0
GLT(K)-100/140-R-B3	139,7	100	200	300	108	178	1,8	1,8	6,0	7,5	9,1
GLT(K)-100/159-R-B3	159,0	100	200	300	108	188	1,8	1,8	6,0	7,8	9,4
GLT(K)-100/169-R-B3	168,3	100	200	300	108	193	1,8	1,8	6,0	8,0	9,6
GLT(K)-100/194-R-B3	193,7	100	200	300	108	205	1,8	1,8	6,0	8,6	10,3
GLT(K)-100/220-R-B3	219,1	100	200	300	108	218	1,8	1,8	6,0	9,1	10,7

**Sliding support
Type GLT 120
DN 15 - DN 200**



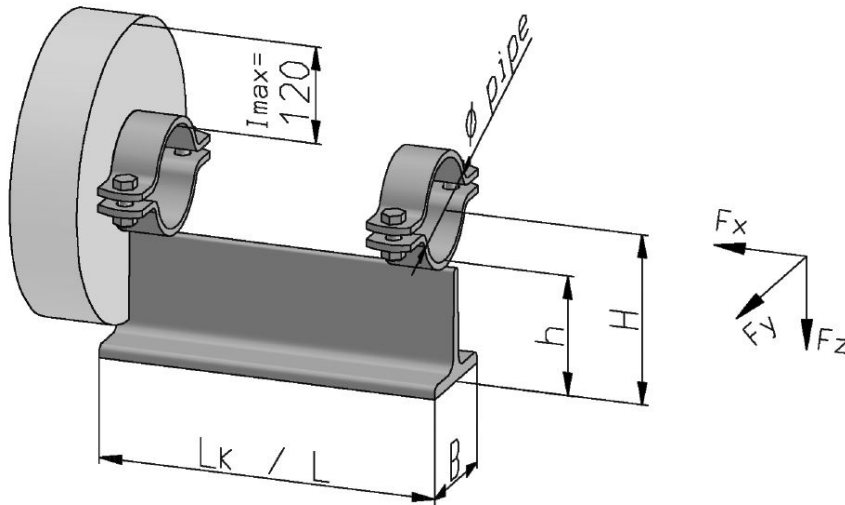
Sliding support - type GLT 120

DN 15 - DN 200

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLT(K)-120/022-R-B3	21,3	120	200	300	125	136	1,1	1,1	3,6	5,2	7,5
GLT(K)-120/025-R-B3	25,0	120	200	300	125	138	1,1	1,1	3,6	5,2	7,6
GLT(K)-120/027-R-B3	26,9	120	200	300	125	139	1,1	1,1	3,6	5,3	7,6
GLT(K)-120/030-R-B3	30,0	120	200	300	125	140	1,1	1,1	3,6	5,3	7,6
GLT(K)-120/034-R-B3	33,7	120	200	300	125	142	1,1	1,1	3,6	5,3	7,6
GLT(K)-120/038-R-B3	38,0	120	200	300	125	144	1,1	1,1	3,6	5,3	7,6
GLT(K)-120/043-R-B3	42,4	120	200	300	125	147	1,1	1,1	3,6	5,4	7,7
GLT(K)-120/045-R-B3	44,5	120	200	300	125	148	1,1	1,1	3,6	5,4	7,7
GLT(K)-120/049-R-B3	48,3	120	200	300	125	150	1,1	1,1	3,6	5,4	7,7
GLT(K)-120/057-R-B3	57,0	120	200	300	126	155	1,5	1,5	4,9	6,0	8,3
GLT(K)-120/061-R-B3	60,3	120	200	300	126	157	1,5	1,5	4,9	6,0	8,4
GLT(K)-120/077-R-B3	76,1	120	200	300	126	165	1,5	1,5	4,9	6,3	8,6
GLT(K)-120/089-R-B3	88,9	120	200	300	126	171	1,5	1,5	4,9	6,4	8,7
GLT(K)-120/108-R-B3	108,0	120	200	300	128	182	1,8	1,8	6,1	8,3	10,7
GLT(K)-120/115-R-B3	114,3	120	200	300	128	186	1,8	1,8	6,1	8,4	10,7
GLT(K)-120/133-R-B3	133,0	120	200	300	128	195	1,8	1,8	6,1	8,7	11,1
GLT(K)-120/140-R-B3	139,7	120	200	300	128	198	1,8	1,8	6,1	8,8	11,1
GLT(K)-120/159-R-B3	159,0	120	200	300	128	208	1,8	1,8	6,1	9,2	11,5
GLT(K)-120/169-R-B3	168,3	120	200	300	128	213	1,8	1,8	6,1	9,3	11,6
GLT(K)-120/194-R-B3	193,7	120	200	300	128	225	1,8	1,8	6,1	10,0	12,3
GLT(K)-120/220-R-B3	219,1	120	200	300	128	238	1,8	1,8	6,1	10,4	12,8

**Sliding support
Type GLT 140
DN 15 - DN 200**



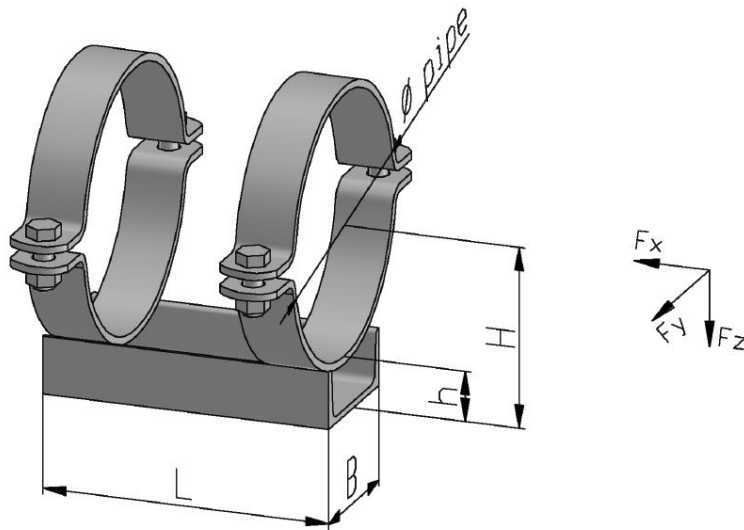
Sliding support - type GLT 140

DN 15 - DN 200

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLT(K)-140/022-R-B3	21,3	140	200	300	145	156	1,1	1,1	3,7	6,8	10,0
GLT(K)-140/025-R-B3	25,0	140	200	300	145	158	1,1	1,1	3,7	6,9	10,0
GLT(K)-140/027-R-B3	26,9	140	200	300	145	159	1,1	1,1	3,7	6,9	10,0
GLT(K)-140/030-R-B3	30,0	140	200	300	145	160	1,1	1,1	3,7	6,9	10,0
GLT(K)-140/034-R-B3	33,7	140	200	300	145	162	1,1	1,1	3,7	6,9	10,1
GLT(K)-140/038-R-B3	38,0	140	200	300	145	164	1,1	1,1	3,7	6,9	10,1
GLT(K)-140/043-R-B3	42,4	140	200	300	145	167	1,1	1,1	3,7	7,0	10,1
GLT(K)-140/045-R-B3	44,5	140	200	300	145	168	1,1	1,1	3,7	7,0	10,1
GLT(K)-140/049-R-B3	48,3	140	200	300	145	170	1,1	1,1	3,7	7,0	10,2
GLT(K)-140/057-R-B3	57,0	140	200	300	146	175	1,5	1,5	4,9	7,6	10,8
GLT(K)-140/061-R-B3	60,3	140	200	300	146	177	1,5	1,5	4,9	7,7	10,8
GLT(K)-140/077-R-B3	76,1	140	200	300	146	185	1,5	1,5	4,9	7,9	11,0
GLT(K)-140/089-R-B3	88,9	140	200	300	146	191	1,5	1,5	4,9	8,0	11,1
GLT(K)-140/108-R-B3	108,0	140	200	300	148	202	1,8	1,8	6,1	10,0	13,1
GLT(K)-140/115-R-B3	114,3	140	200	300	148	206	1,8	1,8	6,1	10,0	13,2
GLT(K)-140/133-R-B3	133,0	140	200	300	148	215	1,8	1,8	6,1	10,4	13,5
GLT(K)-140/140-R-B3	139,7	140	200	300	148	218	1,8	1,8	6,1	10,4	13,6
GLT(K)-140/159-R-B3	159,0	140	200	300	148	228	1,8	1,8	6,1	10,8	13,9
GLT(K)-140/169-R-B3	168,3	140	200	300	148	233	1,8	1,8	6,1	10,9	14,1
GLT(K)-140/194-R-B3	193,7	140	200	300	148	245	1,8	1,8	6,1	11,6	14,8
GLT(K)-140/220-R-B3	219,1	140	200	300	148	258	1,8	1,8	6,1	12,1	15,2

**Sliding support
Type GLU
DN 50 - DN 800**



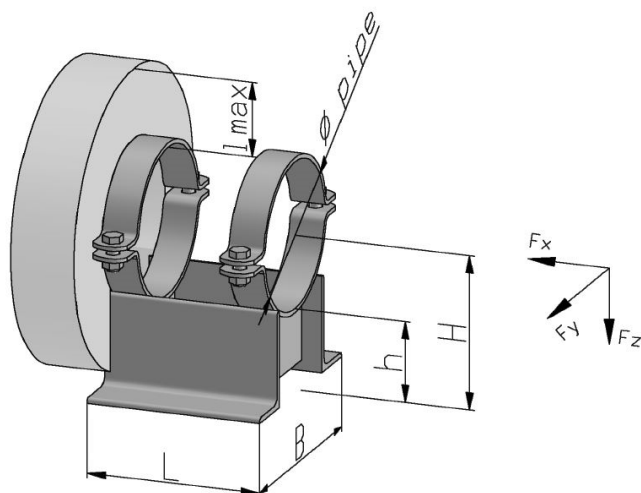
Sliding support - type GLU

DN 50 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567

Type	Pipe $\varnothing$	B	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg
						F _x	F _y	F _z	
GLU-057-R-B3	57,0	50	250	37	65	1,5	1,5	5,0	2,8
GLU-061-R-B3	60,3	50	250	37	67	1,5	1,5	5,0	2,8
GLU-077-R-B3	76,1	50	250	39	77	1,5	1,5	5,0	3,1
GLU-089-R-B3	88,9	50	250	39	83	1,5	1,5	5,0	3,1
GLU-108-R-B3	108,0	80	300	41	95	1,6	1,6	5,4	6,3
GLU-115-R-B3	114,3	80	300	42	99	1,6	1,6	5,4	6,4
GLU-133-R-B3	133,0	80	300	44	110	1,6	1,6	5,4	6,7
GLU-140-R-B3	139,7	80	300	44	114	1,6	1,6	5,4	6,8
GLU-159-R-B3	159,0	80	300	45	124	1,6	1,6	5,4	7,1
GLU-169-R-B3	168,3	80	300	46	130	1,6	1,6	5,4	7,3
GLU-194-R-B3	193,7	80	300	46	143	1,6	1,6	5,4	8,0
GLU-220-R-B3	219,1	140	300	52	162	2,5	2,5	8,3	10,6
GLU-273-R-B3	273,0	140	300	52	188	3,3	3,3	10,8	13,5
GLU-324-R-B3	323,9	160	300	55	217	3,0	3,0	10,1	15,5
GLU-356-R-B3	355,6	160	300	57	235	3,0	3,0	10,1	16,7
GLU-407-R-B3	406,4	200	400	63	266	3,1	3,1	10,3	28,8
GLU-457-R-B3	457,0	200	400	65	294	3,1	3,1	10,3	30,1
GLU-508-R-B3	508,0	240	400	68	322	3,7	3,7	12,4	35,3
GLU-609-R-B3	610,0	240	400	70	375	3,7	3,7	12,4	38,8
GLU-711-R-B3	711,0	300	400	77	433	4,1	4,1	13,8	47,5
GLU-812-R-B3	813,0	300	400	82	488	4,1	4,1	13,8	51,0

**Sliding support
Type GLW 100 and 150
DN 200 - DN 800**



Sliding support - type GLW 100

DN 200 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	l _{max}	Load (kN) v. 150°C			Weight kg
							F _x	F _y	F _z	
GLW-100/220-R-B3	219,1	304	300	100	210	80	2,8	2,8	9,2	15,0
GLW-100/273-R-B3	273,0	325	300	100	237	80	3,3	3,3	11,0	18,0
GLW-100/324-R-B3	323,9	344	300	100	262	80	4,6	4,6	15,5	19,4
GLW-100/356-R-B3	355,6	355	300	100	278	80	4,6	4,6	15,5	20,7
GLW-100/407-R-B3	406,4	379	300	100	304	80	9,2	9,2	30,6	29,0
GLW-100/457-R-B3	457,0	395	300	100	329	80	9,2	9,2	30,6	30,0
GLW-100/508-R-B3	508,0	535	400	100	354	80	9,9	9,9	32,9	41,0
GLW-100/609-R-B3	610,0	570	400	100	405	80	13,8	13,8	45,9	44,8
GLW-100/711-R-B3	711,0	601	500	100	456	80	13,8	13,8	45,9	54,0
GLW-100/812-R-B3	813,0	764	500	100	506	80	14,1	14,1	46,9	67,0

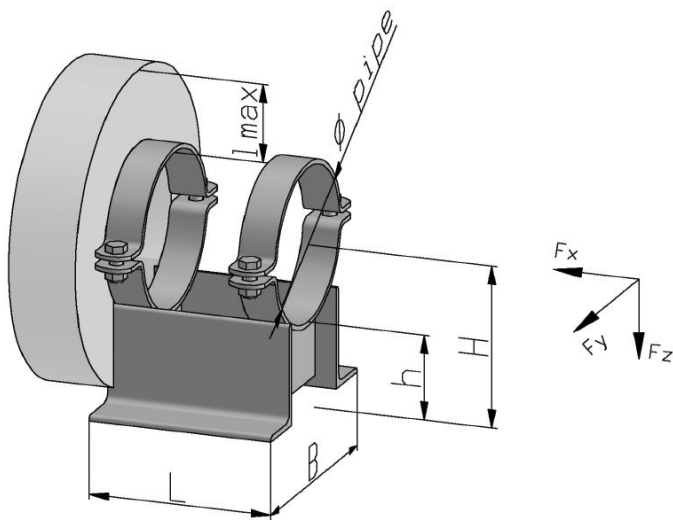
Sliding support - type GLW 150

DN 200 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	l _{max}	Load (kN) v. 150°C			Weight kg
							F _x	F _y	F _z	
GLW-150/220-R-B3	219,1	354	300	150	260	130	2,8	2,8	9,2	21,4
GLW-150/273-R-B3	273,0	375	300	150	287	130	3,3	3,3	11,0	24,8
GLW-150/324-R-B3	323,9	394	300	150	312	130	4,6	4,6	15,5	26,3
GLW-150/356-R-B3	355,6	405	300	150	328	130	4,6	4,6	15,5	27,7
GLW-150/407-R-B3	406,4	429	300	150	354	130	9,2	9,2	30,6	35,7
GLW-150/457-R-B3	457,0	445	300	150	379	130	9,2	9,2	30,6	37,3
GLW-150/508-R-B3	508,0	535	400	150	404	130	9,9	9,9	32,9	46,8
GLW-150/609-R-B3	610,0	570	400	150	455	130	13,8	13,8	45,9	50,9
GLW-150/711-R-B3	711,0	703	500	150	506	130	13,8	13,8	45,9	70,2
GLW-150/812-R-B3	813,0	744	500	150	556	130	14,1	14,1	46,9	74,4

**Sliding support
Type GLW 200
DN 200 - DN 700**



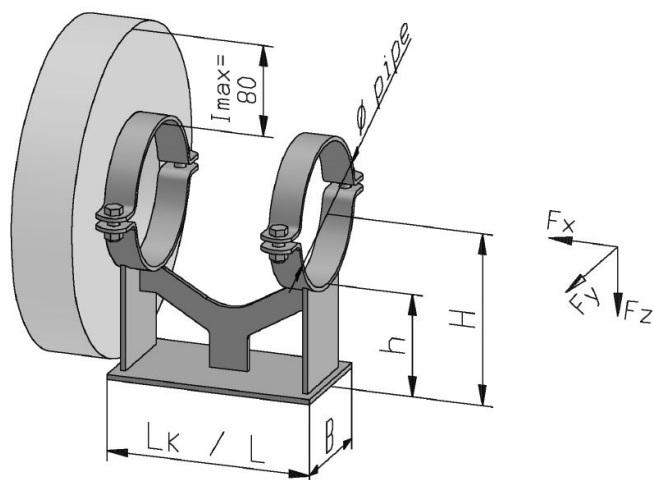
Sliding support - type GLW 200

DN 200 - DN 700

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	Load (kN) v. 150°C			Weight kg
							F _x	F _y	F _z	
GLW-200/220-R-B3	219,1	383	300	200	310	180	2,8	2,8	9,2	27,4
GLW-200/273-R-B3	273,0	411	300	200	337	180	3,3	3,3	11,0	31,2
GLW-200/324-R-B3	323,9	436	300	200	362	180	4,6	4,6	15,5	33,1
GLW-200/356-R-B3	355,6	450	300	200	378	180	4,6	4,6	15,5	34,7
GLW-200/407-R-B3	406,4	476	300	200	404	180	9,2	9,2	30,6	43,0
GLW-200/457-R-B3	457,0	495	300	200	429	180	9,2	9,2	30,6	44,9
GLW-200/508-R-B3	508,0	515	400	200	454	180	9,9	9,9	32,9	59,6
GLW-200/609-R-B3	610,0	550	400	200	505	180	13,8	13,8	45,9	64,2
GLW-200/711-R-B3	711,0	581	500	200	556	180	13,8	13,8	45,9	75,8

**Sliding support
Type GLY 100
DN 200 - DN 800**



Sliding support - type GLY 100

DN 150 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLY-100/115-R-B3	114,3	140		250	100	158	6,5	2,0	29,9		8,0
GLY-100/140-R-B3	139,7	160		250	100	170	6,0	2,2	30,3		9,0
GLY-100/169-R-B3	168,3	180		250	100	185	5,6	2,5	30,6		10,1
GLY(K)-100/220-R-B3	219,1	200	300	400	100	210	12,5	12,5	41,6	15,9	17,9
GLY(K)-100/273-R-B3	273,0	220	300	400	100	237	15,0	15,0	50,0	20,2	22,4
GLY(K)-100/324-R-B3	323,9	240	300	400	100	262	17,5	17,5	58,3	22,4	24,8
GLY(K)-100/356-R-B3	355,6	260	300	400	100	278	20,5	20,5	68,3	25,0	27,5
GLY(K)-100/407-R-B3	406,4	280	300	400	100	304	22,0	22,0	73,3	33,4	36,2
GLY(K)-100/457-R-B3	457,0	300	300	400	100	329	24,5	24,5	81,6	35,9	38,8
GLY(K)-100/508-R-B3	508,0	320	300	400	100	354	27,0	27,0	90,0	42,4	46,1
GLY(K)-100/609-R-B3	610,0	340	400	500	100	405	29,0	29,0	96,6	50,7	54,7
GLY(K)-100/711-R-B3	711,0	400	400	500	100	456	38,0	38,0	126,6	58,9	63,4
GLY(K)-100/812-R-B3	813,0	440	400	500	100	507	44,0	44,0	146,6	65,6	70,5

Sliding support - type GLY 100

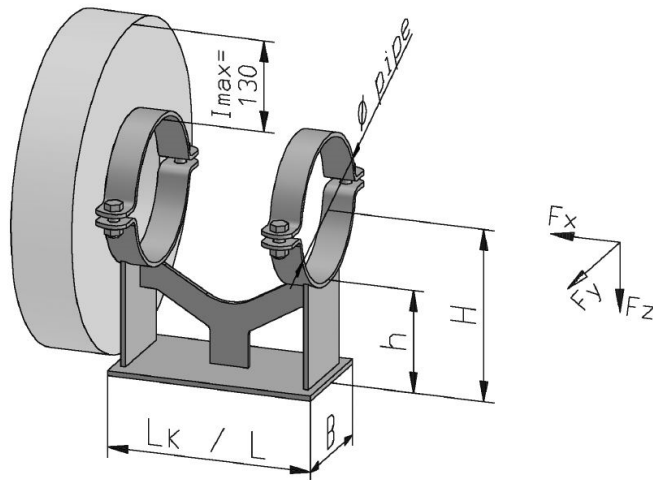
DN 200 - DN 800

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 450°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLY(K)-100/220-C	219,1	200	300	400	100	210	13,0	13,0	43,3	15,9	17,9
GLY(K)-100/273-C	273,0	220	300	400	100	237	16,0	16,0	53,3	20,2	22,4
GLY(K)-100/324-C	323,9	240	300	400	100	262	19,0	19,0	63,3	22,4	24,8
GLY(K)-100/356-C	355,6	260	300	400	100	278	22,0	22,0	73,3	25,0	27,5
GLY(K)-100/407-C	406,4	280	300	400	100	304	24,0	24,0	80,0	33,4	36,2
GLY(K)-100/457-C	457,0	300	300	400	100	329	26,0	26,0	86,6	35,9	38,8
GLY(K)-100/508-C	508,0	320	300	400	100	354	29,0	29,0	96,6	42,4	46,1
GLY(K)-100/609-C	610,0	340	400	500	100	405	32,0	32,0	106,6	50,7	54,7
GLY(K)-100/711-C	711,0	400	400	500	100	456	40,0	40,0	133,3	58,9	63,4
GLY(K)-100/812-C	813,0	440	400	500	100	507	45,0	45,0	150,0	65,6	70,5

Further material qualities or alternative design on request

**Sliding support
Type GLY 150
DN 150 - DN 800**



Sliding support - type GLY 150

DN 100 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLY-150/115-R-B3	114,3	140		250	150	208	5,0	1,5	29,9		9,2
GLY-150/140-R-B3	139,7	160		250	150	220	4,7	1,7	30,3		10,3
GLY-150/169-R-B3	168,3	180		250	150	235	4,5	2,0	30,6		11,5
GLY(K)-150/220-R-B3	219,1	200	300	400	150	260	10,0	10,0	33,3	16,8	18,8
GLY(K)-150/273-R-B3	273,0	220	300	400	150	287	12,0	12,0	40,0	21,2	23,4
GLY(K)-150/324-R-B3	323,9	240	300	400	150	312	14,0	14,0	46,6	22,8	25,2
GLY(K)-150/356-R-B3	355,6	260	300	400	150	328	17,0	17,0	56,6	26,1	28,6
GLY(K)-150/407-R-B3	406,4	280	300	400	150	354	18,0	18,0	60,0	34,7	37,5
GLY(K)-150/457-R-B3	457,0	300	300	400	150	379	20,5	20,5	68,3	37,2	40,1
GLY(K)-150/508-R-B3	508,0	320	300	400	150	404	23,0	23,0	76,6	44,1	47,8
GLY(K)-150/609-R-B3	610,0	340	400	500	150	455	25,0	25,0	83,0	52,6	56,5
GLY(K)-150/711-R-B3	711,0	400	400	500	150	506	34,0	34,0	113,2	61,0	65,5
GLY(K)-150/812-R-B3	813,0	440	400	500	150	557	39,0	39,0	130,0	67,9	72,8

Sliding support - type GLY 150

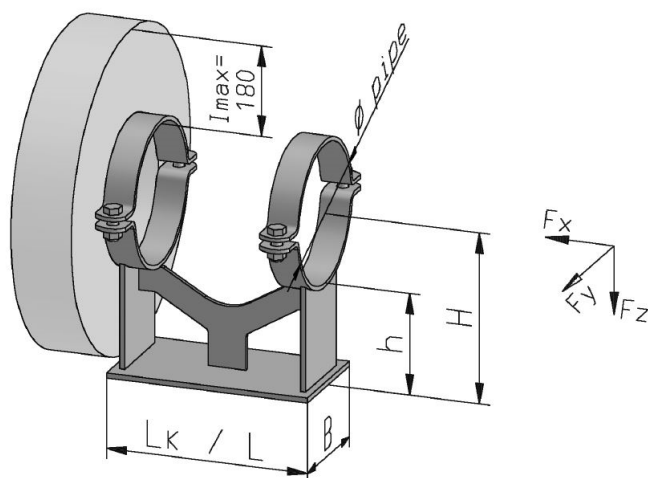
DN 200 - DN 800

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 450°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLY(K)-150/220-C	219,1	200	300	400	150	260	11,0	11,0	36,6	16,8	18,8
GLY(K)-150/273-C	273,0	220	300	400	150	287	13,0	13,0	43,3	21,2	23,4
GLY(K)-150/324-C	323,9	240	300	400	150	312	15,0	15,0	50,0	22,8	25,2
GLY(K)-150/356-C	355,6	260	300	400	150	328	18,0	18,0	60,0	26,1	28,6
GLY(K)-150/407-C	406,4	280	300	400	150	354	20,0	20,0	66,6	34,7	37,5
GLY(K)-150/457-C	457,0	300	300	400	150	379	22,0	22,0	73,3	37,2	40,1
GLY(K)-150/508-C	508,0	320	300	400	150	404	25,0	25,0	83,3	44,1	47,8
GLY(K)-150/609-C	610,0	340	400	500	150	455	28,0	28,0	93,3	52,6	56,5
GLY(K)-150/711-C	711,0	400	400	500	150	506	36,0	36,0	120,0	61,0	65,5
GLY(K)-150/812-C	813,0	440	400	500	150	557	40,0	40,0	133,0	67,9	72,8

Further material qualities or alternative design on request

**Sliding support
Type GLY 200
DN 150 - DN 800**



Sliding support - type GLY 200

DN 100 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLY-200/115-R-B3	114,3	140		250	200	258	4,0	1,2	29,9		10,3
GLY-200/140-R-B3	139,7	160		250	200	270	3,8	1,4	30,3		11,6
GLY-200/169-R-B3	168,3	180		250	200	285	3,7	1,6	30,6		12,9
GLY(K)-200/220-R-B3	219,1	200	300	400	200	310	8,5	8,5	28,3	17,6	19,6
GLY(K)-200/273-R-B3	273,0	220	300	400	200	337	10,0	10,0	33,3	22,1	24,3
GLY(K)-200/324-R-B3	323,9	240	300	400	200	362	12,0	12,0	40,0	24,5	26,9
GLY(K)-200/356-R-B3	355,6	260	300	400	200	378	14,5	14,5	48,3	27,2	29,7
GLY(K)-200/407-R-B3	406,4	280	300	400	200	404	16,0	16,0	53,3	36,0	38,8
GLY(K)-200/457-R-B3	457,0	300	300	400	200	429	18,0	18,0	60,0	38,6	41,5
GLY(K)-200/508-R-B3	508,0	320	300	400	200	454	20,0	20,0	66,6	45,8	49,5
GLY(K)-200/609-R-B3	610,0	340	400	500	200	505	22,0	22,0	73,3	54,4	58,3
GLY(K)-200/711-R-B3	711,0	400	400	500	200	556	30,0	30,0	100,0	62,7	67,2
GLY(K)-200/812-R-B3	813,0	440	400	500	200	607	35,0	35,0	116,6	70,1	75,0

Sliding support - type GLY 200

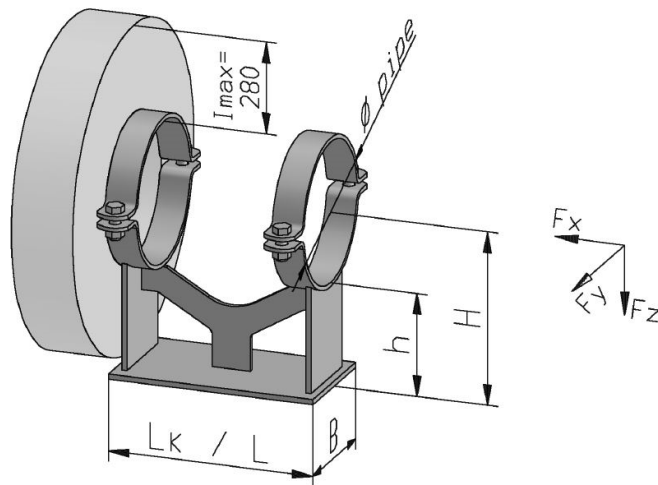
DN 200 - DN 800

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 450°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLY(K)-200/220-C	219,1	200	300	400	200	310	9,0	9,0	30,0	17,6	19,6
GLY(K)-200/273-C	273,0	220	300	400	200	337	11,0	11,0	36,6	22,1	24,3
GLY(K)-200/324-C	323,9	240	300	400	200	362	13,0	13,0	43,3	24,5	26,9
GLY(K)-200/356-C	355,6	260	300	400	200	378	16,0	16,0	53,3	27,2	29,7
GLY(K)-200/407-C	406,4	280	300	400	200	404	17,0	17,0	56,6	36,0	38,8
GLY(K)-200/457-C	457,0	300	300	400	200	429	20,0	20,0	66,6	38,6	41,5
GLY(K)-200/508-C	508,0	320	300	400	200	454	22,0	22,0	73,3	45,8	49,5
GLY(K)-200/609-C	610,0	340	400	500	200	505	24,0	24,0	80,0	54,4	58,3
GLY(K)-200/711-C	711,0	400	400	500	200	556	30,0	30,0	100,0	62,7	67,2
GLY(K)-200/812-C	813,0	440	400	500	200	607	35,0	35,0	116,6	70,1	75,0

Further material qualities or alternative design on request

**Sliding support
Type GLY 300
DN 200 - DN 800**



Sliding support - type GLY 300

DN 200 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLY(K)-300/220-R-B3	219,1	200	300	400	300	410	6,5	6,5	21,6	19,3	21,3
GLY(K)-300/273-R-B3	273,0	220	300	400	300	437	7,5	7,5	25,0	24,1	26,3
GLY(K)-300/324-R-B3	323,9	240	300	400	300	462	9,0	9,0	30,0	26,6	29,0
GLY(K)-300/356-R-B3	355,6	260	300	400	300	478	11,0	11,0	36,6	29,5	32,0
GLY(K)-300/407-R-B3	406,4	280	300	400	300	504	12,5	12,5	41,6	38,5	41,3
GLY(K)-300/457-R-B3	457,0	300	300	400	300	529	14,5	14,5	48,9	41,3	44,2
GLY(K)-300/508-R-B3	508,0	320	300	400	300	554	16,0	16,0	53,3	49,2	52,9
GLY(K)-300/609-R-B3	610,0	340	400	500	300	605	17,5	17,5	58,3	58,0	61,9
GLY(K)-300/711-R-B3	711,0	400	400	500	300	656	24,0	24,0	80,0	67,3	71,8
GLY(K)-300/812-R-B3	813,0	440	400	500	300	707	29,0	29,0	96,6	74,7	79,6

Sliding support - type GLY 300

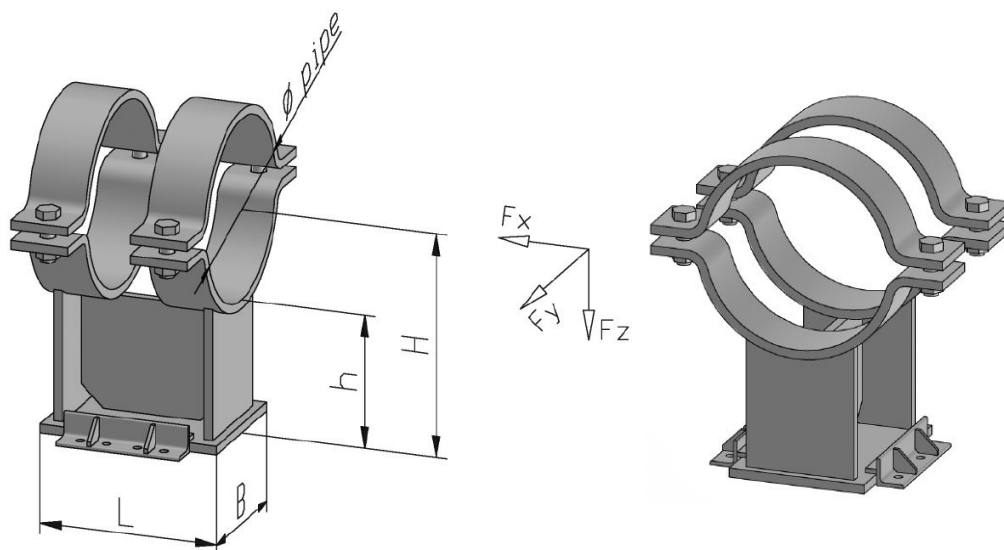
DN 200 - DN 800

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Pipe clamp type RA acc. to DIN 3567 Sliding supports in short and long design available

Type	Pipe Ø	B	L _k	L	h (BOP)	H (MOP)	Load (kN) v. 450°C			Weight kg	
							F _x	F _y	F _z	L _k	L
GLY(K)-300/220-C	219,1	200	300	400	300	410	7,0	7,0	23,4	19,3	21,3
GLY(K)-300/273-C	273,0	220	300	400	300	437	8,0	8,0	26,6	24,1	26,3
GLY(K)-300/324-C	323,9	240	300	400	300	462	10,0	10,0	33,3	26,6	29,0
GLY(K)-300/356-C	355,6	260	300	400	300	478	12,0	12,0	40,0	29,5	32,0
GLY(K)-300/407-C	406,4	280	300	400	300	504	14,0	14,0	46,6	38,5	41,3
GLY(K)-300/457-C	457,0	300	300	400	300	529	16,0	16,0	53,3	41,3	44,2
GLY(K)-300/508-C	508,0	320	300	400	300	554	18,0	18,0	60,0	49,2	52,9
GLY(K)-300/609-C	610,0	340	400	500	300	605	20,0	20,0	66,6	58,0	61,9
GLY(K)-300/711-C	711,0	400	400	500	300	656	24,0	24,0	80,0	67,3	71,8
GLY(K)-300/812-C	813,0	440	400	500	300	707	30,0	30,0	100,0	74,7	79,6

Further material qualities or alternative design on request

**Sliding support
HEAVY - Type FLS
DN 200 - DN 1000**



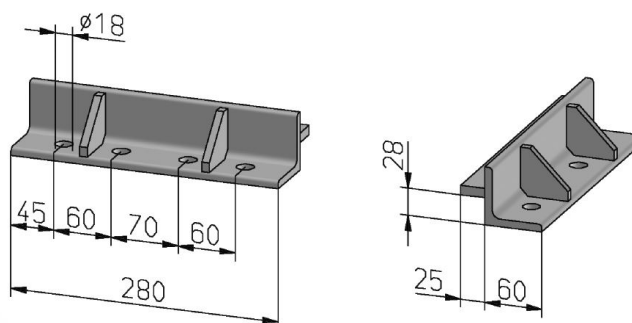
Sliding supports heavy - type FLS

DN 200 - DN 1000

Material	S235JR DIN EN 10025, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Inclusive lift-off prevention, without bolts and nuts Pipe clamps for higher loads

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	Load (kN)* v. 150°C			Weight kg
						F _x	F _y	F _z	
FLS-150/0220-R-B3	219,1	200	400	150	260	16,0	24,0	109,0	46,9
FLS-150/0273-R-B3	273,0	230	400	150	287	15,0	25,0	111,0	52,3
FLS-150/0324-R-B3	323,9	260	400	150	312	15,0	26,0	112,0	58,8
FLS-150/0356-R-B3	355,6	280	400	150	328	16,0	27,0	117,0	65,5
FLS-150/0407-R-B3	406,4	300	400	150	354	27,0	35,0	148,0	110,1
FLS-150/0457-R-B3	457,0	320	400	150	379	30,0	37,0	155,0	125,2
FLS-150/0508-R-B3	508,0	350	500	150	404	30,0	38,0	116,0	149,1
FLS-150/0609-R-B3	610,0	380	500	150	455	31,0	39,0	116,0	170,1
FLS-150/0711-R-B3	711,0	410	500	150	506	31,0	40,0	117,0	189,2
FLS-150/0812-R-B3	813,0	440	500	150	557	32,0	41,0	117,0	208,2
FLS-150/0914-R-B3	914,0	470	500	150	607	39,0	48,0	130,0	279,7
FLS-150/1016-R-B3	1016,0	500	500	150	658	37,0	49,0	130,0	303,1

Lift-off prevention:



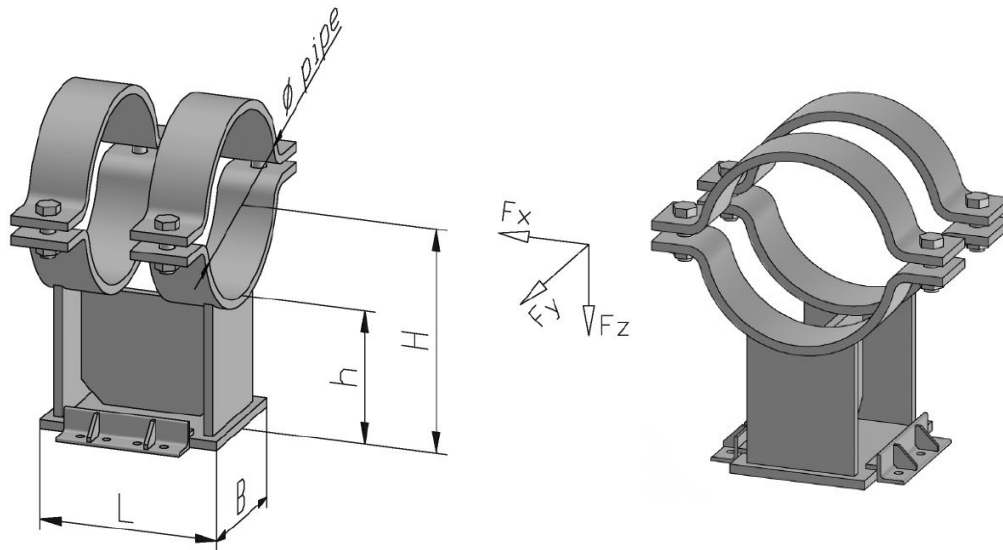
The load capacity of the lift-off prevention amounts 53,0 kN at 20°C.

Notes only for type FLS.

The permissible loads for F_x, F_y og F_z apply seperately. If all loads apply simultaneneously F_x, F_y og F_z the following formula could be used:

$$F_x / \text{zul } F_x + F_y / \text{zul } F_y + F_z / \text{zul } F_z \leq 1$$

**Sliding support
HEAVY - Type FLS
DN 200 - DN 1000**



Sliding support heavy - type FLS

DN 200 - DN 1000

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Inclusive lift-off prevention, without bolts and nuts Pipe clamps for higher loads

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	Load (kN) v. 450°C			Weight kg
						F _x	F _y	F _z	
FLS-300/0220-C	219,1	200	400	300	410	14,0	12,0	368,0	58,1
FLS-300/0273-C	273,0	230	400	300	437	14,0	13,0	419,0	64,6
FLS-300/0324-C	323,9	260	400	300	462	14,0	14,0	460,0	72,1
FLS-300/0356-C	355,6	280	400	300	478	14,0	15,0	480,0	79,5
FLS-300/0407-C	406,4	300	400	300	503	23,0	20,0	578,0	129,3
FLS-300/0457-C	457,0	320	400	300	529	23,0	22,0	628,0	145,3
FLS-300/0508-C	508,0	350	500	300	554	28,0	23,0	519,0	173,2
FLS-300/0609-C	610,0	380	500	300	605	28,0	25,0	523,0	195,2
FLS-300/0711-C	711,0	410	500	300	656	26,0	26,0	528,0	215,7
FLS-300/0812-C	813,0	440	500	300	707	25,0	28,0	532,0	236,2
FLS-300/0914-C	914,0	470	500	300	757	30,0	34,0	634,0	316,3
FLS-300/1016-C	1016,0	500	500	300	808	29,0	35,0	638,0	341,5

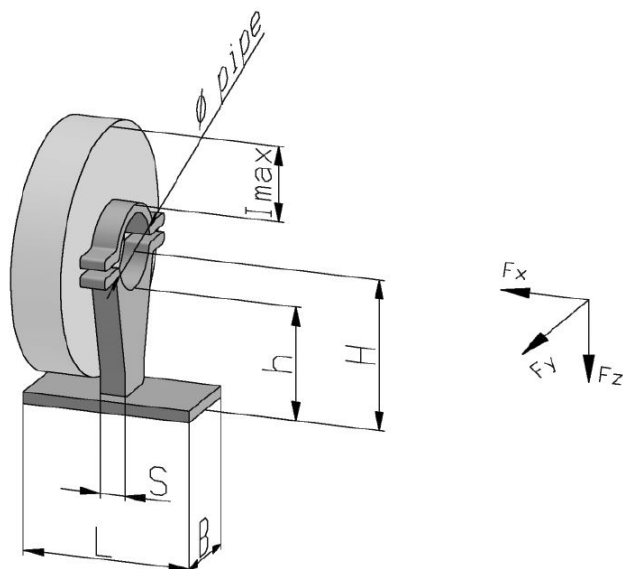
Sliding support heavy - type FLS

DN 200 - DN 1000

Material	10CrMo9-10 DIN EN 10028-2, working temperatures up to 600°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Inclusive lift-off prevention, without bolts and nuts Pipe clamps for higher loads

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	Load (kN) v. 450°C			Weight kg
						F _x	F _y	F _z	
FLS-300/0220-P01	219,1	200	400	300	410	16,0	13,0	393,0	58,1
FLS-300/0273-P01	273,0	230	400	300	437	15,0	13,0	448,0	64,6
FLS-300/0324-P01	323,9	260	400	300	462	15,0	15,0	492,0	72,1
FLS-300/0356-P01	355,6	280	400	300	478	16,0	16,0	513,0	79,5
FLS-300/0407-P01	406,4	300	400	300	503	25,0	21,0	619,0	129,3
FLS-300/0457-P01	457,0	320	400	300	529	25,0	23,0	673,0	145,3
FLS-300/0508-P01	508,0	350	500	300	554	30,0	25,0	555,0	173,2
FLS-300/0609-P01	610,0	380	500	300	605	30,0	27,0	561,0	195,2
FLS-300/0711-P01	711,0	410	500	300	656	28,0	28,0	566,0	215,7
FLS-300/0812-P01	813,0	440	500	300	707	27,0	30,0	570,0	236,2
FLS-300/0914-P01	914,0	470	500	300	757	32,0	36,0	580,0	316,3
FLS-300/1016-P01	1016,0	500	500	300	808	31,0	38,0	684,0	341,5

**Sliding support
Type GLF 100
DN 15 - DN 200**



Sliding support/Anchor - type GLF 100

DN 15 - DN 200

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Also suitable as anchor - please ask for technical information

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	S	Load (kN) v. 150°C			Weight kg
								F _x	F _y	F _z	
GLF-100/022-R-B3	21,3	100	200	105	116	80	25	3,0	3,0	3,0	3,4
GLF-100/027-R-B3	26,9	100	200	105	119	80	25	3,0	3,0	3,0	3,5
GLF-100/034-R-B3	33,7	120	200	105	122	80	25	3,5	3,5	3,5	4,0
GLF-100/043-R-B3	42,4	120	200	105	127	80	25	3,3	3,3	3,3	4,2
GLF-100/049-R-B3	48,3	120	200	105	130	80	25	3,8	3,8	3,8	4,4
GLF-100/061-R-B3	60,3	120	200	106	137	80	30	4,2	4,2	4,2	5,0
GLF-100/077-R-B3	76,1	120	200	106	145	80	30	4,2	4,2	4,2	5,1
GLF-100/089-R-B3	88,9	120	200	106	151	80	30	3,8	3,8	3,8	5,6
GLF-100/115-R-B3	114,3	150	200	108	166	80	40	4,4	4,4	4,4	8,4
GLF-100/140-R-B3	139,7	160	200	108	178	80	40	5,9	5,9	5,9	9,5
GLF-100/169-R-B3	168,3	200	200	108	193	80	40	6,5	6,5	6,5	11,8
GLF-100/194-R-B3	193,7	200	200	108	205	80	40	6,2	6,2	6,2	12,4
GLF-100/220-R-B3	219,1	200	200	108	218	80	40	6,7	6,7	6,7	12,5

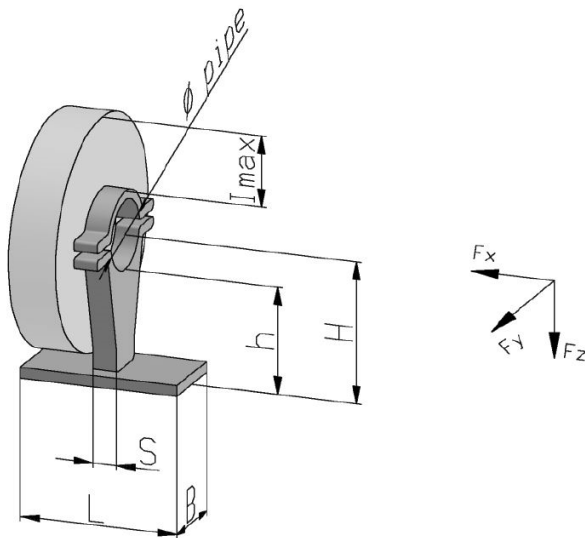
Sliding support/Anchor - type GLF 100

DN 15 - DN 200

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Also suitable as anchor - please ask for technical information

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	S	Load (kN) v. 450°C			Weight kg
								F _x	F _y	F _z	
GLF-100/022-C	21,3	100	200	105	116	80	25	3,3	3,3	3,3	3,4
GLF-100/027-C	26,9	100	200	105	119	80	25	3,3	3,3	3,3	3,5
GLF-100/034-C	33,7	120	200	105	122	80	25	3,9	3,9	3,9	4,0
GLF-100/043-C	42,4	120	200	105	127	80	25	3,8	3,8	3,8	4,2
GLF-100/049-C	48,3	120	200	105	130	80	25	4,3	4,3	4,3	4,4
GLF-100/061-C	60,3	120	200	106	137	80	30	4,7	4,7	4,7	5,0
GLF-100/077-C	76,1	120	200	106	145	80	30	4,5	4,5	4,5	5,1
GLF-100/089-C	88,9	120	200	106	151	80	30	4,2	4,2	4,2	5,6
GLF-100/115-C	114,3	150	200	108	166	80	40	4,9	4,9	4,9	8,4
GLF-100/140-C	139,7	160	200	108	178	80	40	6,6	6,6	6,6	9,5
GLF-100/169-C	168,3	200	200	108	193	80	40	7,4	7,4	7,4	11,8
GLF-100/194-C	193,7	200	200	108	205	80	40	7,0	7,0	7,0	12,4
GLF-100/220-C	219,1	200	200	108	218	80	40	7,6	7,6	7,6	12,5

**Sliding support
Type GLF 150
DN 15 - DN 200**



Sliding support/Anchor - type GLF 150

DN 15 - DN 200

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Also suitable as anchor - please ask for technical information

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	Imax	S	Load (kN) v. 150°C			Weight kg
								F _x	F _y	F _z	
GLF-150/022-R-B3	21,3	100	200	150	161	130	25	2,0	2,0	2,0	3,8
GLF-150/027-R-B3	26,9	100	200	150	164	130	25	2,0	2,0	2,0	3,8
GLF-150/034-R-B3	33,7	120	200	150	167	130	25	2,4	2,4	2,4	4,5
GLF-150/043-R-B3	42,4	120	200	150	172	130	25	2,7	2,7	2,7	4,7
GLF-150/049-R-B3	48,3	120	200	150	175	130	25	3,0	3,0	3,0	5,0
GLF-150/061-R-B3	60,3	120	200	150	181	130	30	2,9	2,9	2,9	5,9
GLF-150/077-R-B3	76,1	120	200	150	188	130	30	2,9	2,9	2,9	6,0
GLF-150/089-R-B3	88,9	120	200	150	194	130	30	2,8	2,8	2,8	6,4
GLF-150/115-R-B3	114,3	150	200	150	208	130	40	3,3	3,3	3,3	9,7
GLF-150/140-R-B3	139,7	160	200	150	220	130	40	4,5	4,5	4,5	11,2
GLF-150/169-R-B3	168,3	200	200	150	235	130	40	5,2	5,2	5,2	13,9
GLF-150/194-R-B3	193,7	200	200	150	247	130	40	4,9	4,9	4,9	14,6
GLF-150/220-R-B3	219,1	200	200	150	260	130	40	5,4	5,4	5,4	15,5

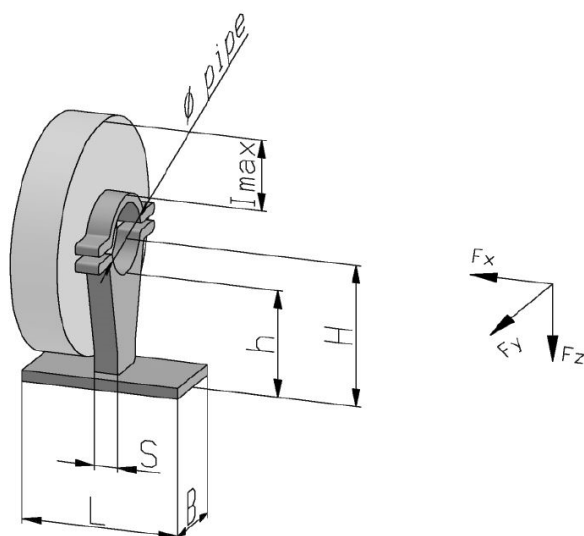
Sliding support/Anchor - type GLF 150

DN 15 - DN 200

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Also suitable as anchor - please ask for technical information

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	Imax	S	Load (kN) v. 450°C			Weight kg
								F _x	F _y	F _z	
GLF-150/022-C	21,3	100	200	150	161	130	25	2,3	2,3	2,3	3,8
GLF-150/027-C	26,9	100	200	150	164	130	25	2,3	2,3	2,3	3,8
GLF-150/034-C	33,7	120	200	150	167	130	25	2,7	2,7	2,7	4,5
GLF-150/043-C	42,4	120	200	150	172	130	25	2,6	2,6	2,6	4,7
GLF-150/049-C	48,3	120	200	150	175	130	25	3,0	3,0	3,0	5,0
GLF-150/061-C	60,3	120	200	150	181	130	30	3,4	3,4	3,4	5,9
GLF-150/077-C	76,1	120	200	150	188	130	30	3,2	3,2	3,2	6,0
GLF-150/089-C	88,9	120	200	150	194	130	30	3,1	3,1	3,1	6,4
GLF-150/115-C	114,3	150	200	150	208	130	40	3,8	3,8	3,8	9,7
GLF-150/140-C	139,7	160	200	150	220	130	40	5,1	5,1	5,1	11,2
GLF-150/169-C	168,3	200	200	150	235	130	40	5,8	5,8	5,8	13,9
GLF-150/194-C	193,7	200	200	150	247	130	40	5,5	5,5	5,5	14,6
GLF-150/220-C	219,1	200	200	150	260	130	40	6,2	6,2	6,2	15,5

**Sliding support
Type GLF 200
DN 15 - DN 200**



Sliding support/Anchor - type GLF 200

DN 15 - DN 200

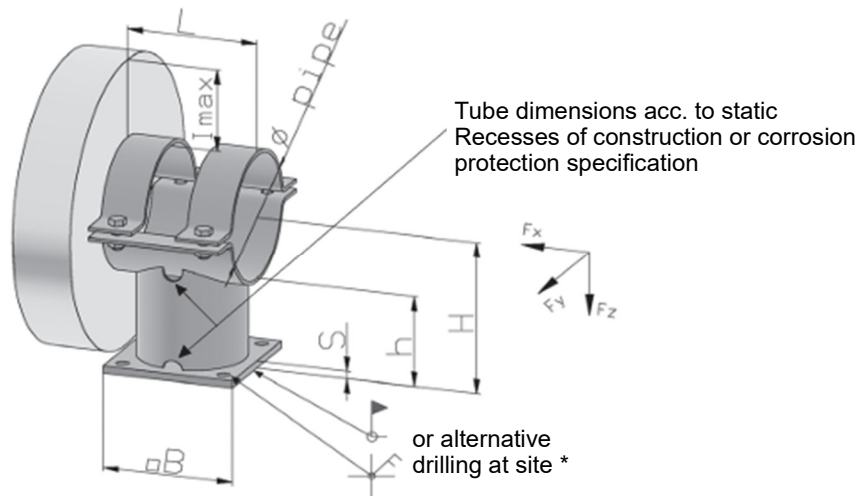
Material		S235JR DIN EN 10025-2, working temperatures up to 300°C									
Surface		Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898) Also suitable as anchor - please ask for technical information									
Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	S	Load (kN) v. 150°C			Weight kg
								F _x	F _y	F _z	
GLF-200/022-R-B3	21,3	100	200	200	211	180	25	1,5	1,5	1,5	4,4
GLF-200/027-R-B3	26,9	100	200	200	214	180	25	1,5	1,5	1,5	4,5
GLF-200/034-R-B3	33,7	120	200	200	217	180	25	1,8	1,8	1,8	5,2
GLF-200/043-R-B3	42,4	120	200	200	222	180	25	1,8	1,8	1,8	5,5
GLF-200/049-R-B3	48,3	120	200	200	225	180	25	2,1	2,1	2,1	5,8
GLF-200/061-R-B3	60,3	120	200	200	231	180	30	2,3	2,3	2,3	6,9
GLF-200/077-R-B3	76,1	120	200	200	239	180	30	2,3	2,3	2,3	7,4
GLF-200/089-R-B3	88,9	120	200	200	245	180	30	2,2	2,2	2,2	8,0
GLF-200/115-R-B3	114,3	150	200	200	258	180	40	2,7	2,7	2,7	11,9
GLF-200/140-R-B3	139,7	160	200	200	270	180	40	3,7	3,7	3,7	13,9
GLF-200/169-R-B3	168,3	200	200	200	285	180	40	4,2	4,2	4,2	16,0
GLF-200/194-R-B3	193,7	200	200	200	297	180	40	4,0	4,0	4,0	18,0
GLF-200/220-R-B3	219,1	200	200	200	310	180	40	4,5	4,5	4,5	19,4

Sliding support/Anchor - type GLF 200

DN 15 - DN 200

Material		13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C									
Surface		Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Also suitable as anchor - please ask for technical information									
Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	S	Load (kN) v. 450°C			Weight kg
								F _x	F _y	F _z	
GLF-200/022-C	21,3	100	200	200	211	180	25	1,7	1,7	1,7	4,4
GLF-200/027-C	26,9	100	200	200	214	180	25	1,7	1,7	1,7	4,5
GLF-200/034-C	33,7	120	200	200	217	180	25	2,0	2,0	2,0	5,2
GLF-200/043-C	42,4	120	200	200	222	180	25	2,0	2,0	2,0	5,5
GLF-200/049-C	48,3	120	200	200	225	180	25	2,3	2,3	2,3	5,8
GLF-200/061-C	60,3	120	200	200	231	180	30	2,6	2,6	2,6	6,9
GLF-200/077-C	76,1	120	200	200	239	180	30	2,5	2,5	2,5	7,4
GLF-200/089-C	88,9	120	200	200	245	180	30	2,5	2,5	2,5	8,0
GLF-200/115-C	114,3	150	200	200	258	180	40	3,0	3,0	3,0	11,9
GLF-200/140-C	139,7	160	200	200	270	180	40	4,2	4,2	4,2	13,9
GLF-200/169-C	168,3	200	200	200	285	180	40	4,8	4,8	4,8	16,0
GLF-200/194-C	193,7	200	200	200	297	180	40	4,6	4,6	4,6	18,0
GLF-200/220-C	219,1	200	200	200	310	180	40	5,1	5,1	5,1	19,4

**Anchor support
Type FSS 100 and 150
DN 80 - DN 800**



Anchor support - type FSS 100

DN 80 - DN 800

Material	S235JR DIN EN 10025-2, working temperature up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898)

Type	Pipe $\varnothing$	B	L	h (BOP)	H (MOP)	l_{max}	S	Load (kN) v. 150°C			Weight kg
								F_x	F_y	F_z	
FSS-089/100-R-B3	88,9	115	100	100	144	80	10	9,0	9,0	15,0	6,2
FSS-115/100-R-B3	114,3	115	120	100	157	80	10	10,0	10,0	17,0	8,4
FSS-140/100-R-B3	139,7	145	180	100	170	80	12	11,0	11,0	18,0	11,5
FSS-169/100-R-B3	168,3	145	180	100	184	80	12	13,0	13,0	22,0	12,9
FSS-220/100-R-B3	219,1	200	200	100	210	80	14	10,0	10,0	17,0	19,7
FSS-273/100-R-B3	273,0	250	270	100	237	80	16	21,0	21,0	35,0	35,9
FSS-324/100-R-B3	323,9	250	270	100	262	80	16	19,0	19,0	32,0	38,2
FSS-356/100-R-B3	355,6	300	320	100	278	80	16	29,0	29,0	48,0	55,9
FSS-407/100-R-B3	406,4	300	320	100	303	80	16	30,0	30,0	50,0	66,9
FSS-508/100-R-B3	508,0	400	400	100	353	80	20	32,0	32,0	53,0	106,3
FSS-610/100-R-B3	610,0	450	450	100	405	80	20	32,0	32,0	53,0	132,1
FSS-712/100-R-B3	711,0	560	550	100	456	80	25	33,0	33,0	55,0	193,5
FSS-813/100-R-B3	813,0	560	550	100	507	80	25	33,0	33,0	55,0	209,6

Anchor support - type FSS 150

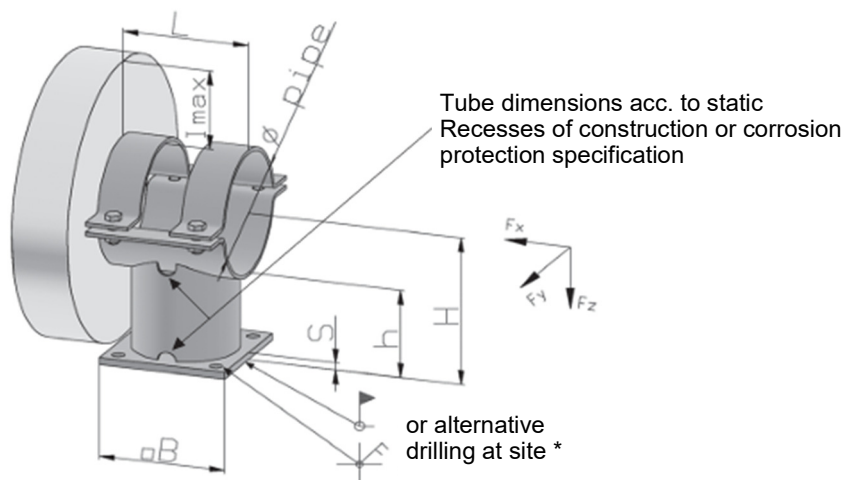
DN 80 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8hot-dip galvanized (DIN EN ISO 898)

Type	Pipe $\varnothing$	B	L	h (BOP)	H (MOP)	l_{max}	S	Load (kN) v. 150°C			Weight kg
								F_x	F_y	F_z	
FSS-089/150-R-B3	88,9	115	100	150	194	130	10	9,0	9,0	15,0	6,5
FSS-115/150-R-B3	114,3	115	120	150	207	130	10	10,0	10,0	17,0	8,9
FSS-140/150-R-B3	139,7	145	180	150	220	130	12	11,0	11,0	18,0	12,0
FSS-169/150-R-B3	168,3	145	180	150	234	130	12	13,0	13,0	22,0	13,3
FSS-220/150-R-B3	219,1	200	200	150	260	130	14	10,0	10,0	17,0	20,9
FSS-273/150-R-B3	273,0	250	270	150	287	130	16	21,0	21,0	35,0	37,5
FSS-324/150-R-B3	323,9	250	270	150	312	130	16	19,0	19,0	32,0	39,9
FSS-356/150-R-B3	355,6	300	320	150	328	130	16	29,0	29,0	48,0	58,0
FSS-407/150-R-B3	406,4	300	320	150	353	130	16	30,0	30,0	50,0	67,3
FSS-508/150-R-B3	508,0	400	400	150	403	130	20	32,0	32,0	53,0	109,7
FSS-610/150-R-B3	610,0	450	450	150	455	130	20	32,0	32,0	53,0	136,4
FSS-712/150-R-B3	711,0	560	550	150	506	130	25	33,0	33,0	55,0	200,2
FSS-813/150-R-B3	813,0	560	550	150	557	130	25	33,0	33,0	55,0	216,4

* According to manufacturer's instructions/statics

**Anchor support
Type FSS 200
DN 80- DN 800**



Anchor support - type FSS 200

DN 80 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898)

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	S	Load (kN) v. 150°C			Weight kg
								F _x	F _y	F _z	
FSS-089/200-R-B3	88,9	115	100	200	244	180	10	9,0	9,0	15,0	6,7
FSS-115/200-R-B3	114,3	115	120	200	257	180	10	10,0	10,0	17,0	9,3
FSS-140/200-R-B3	139,7	145	180	200	270	180	12	11,0	11,0	18,0	12,4
FSS-169/200-R-B3	168,3	145	180	200	284	180	12	13,0	13,0	22,0	13,8
FSS-220/200-R-B3	219,1	200	200	200	310	180	14	10,0	10,0	17,0	22,0
FSS-273/200-R-B3	273,0	250	270	200	337	180	16	21,0	21,0	35,0	39,2
FSS-324/200-R-B3	323,9	250	270	200	362	180	16	19,0	19,0	32,0	41,6
FSS-356/200-R-B3	355,6	300	320	200	378	180	16	29,0	29,0	48,0	60,1
FSS-407/200-R-B3	406,4	300	320	200	403	180	16	30,0	30,0	50,0	71,1
FSS-508/200-R-B3	508,0	400	400	200	453	180	20	32,0	32,0	53,0	110,4
FSS-610/200-R-B3	610,0	450	450	200	505	180	20	32,0	32,0	53,0	137,6
FSS-712/200-R-B3	711,0	560	550	200	556	180	25	33,0	33,0	55,0	207,8
FSS-813/200-R-B3	813,0	560	550	200	607	180	25	33,0	33,0	55,0	232,2

Anchor support - type FSS

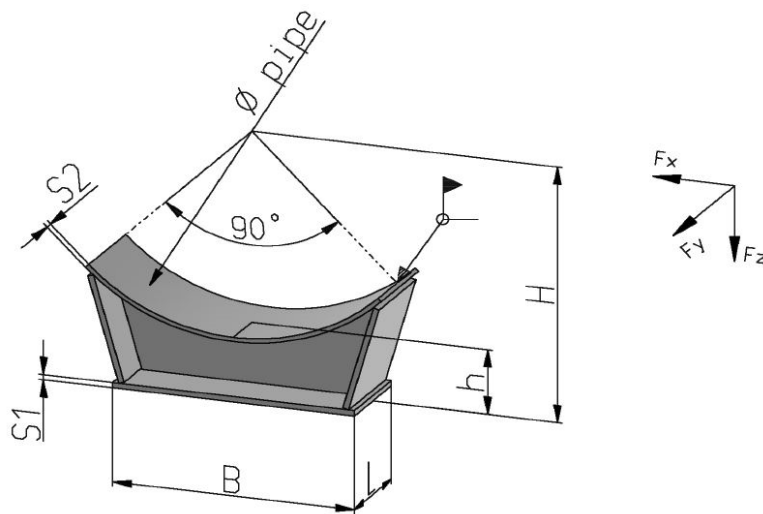
DN 80 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized, complete with bolts and nuts 8.8/8hot-dip galvanized (DIN EN ISO 898)

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	S	Load (kN) v. 150°C			Weight kg
								F _x	F _y	F _z	
FSS-089-R-B3	88,9	115	100	102	146	80	10	9,0	9,0	15,0	6,1
FSS-115-R-B3	114,3	115	120	108	165	80	10	10,0	10,0	17,0	8,3
FSS-140-R-B3	139,7	145	180	109	179	90	12	11,0	11,0	18,0	11,5
FSS-169-R-B3	168,3	145	180	111	195	90	12	13,0	13,0	22,0	12,9
FSS-220-R-B3	219,1	200	200	165	275	140	14	10,0	10,0	17,0	21,2
FSS-273-R-B3	273,0	250	270	169	305	140	16	21,0	21,0	35,0	37,3
FSS-324-R-B3	323,9	250	270	169	331	140	16	19,0	19,0	32,0	39,6
FSS-356-R-B3	355,6	300	320	171	349	140	16	29,0	29,0	48,0	57,6
FSS-407-R-B3	406,4	300	320	189	392	160	16	30,0	30,0	50,0	69,5
FSS-508-R-B3	508,0	400	400	194	447	160	20	32,0	32,0	53,0	110,4
FSS-610-R-B3	610,0	450	450	201	506	180	20	32,0	32,0	53,0	137,6
FSS-712-R-B3	711,0	560	550	204	559	180	25	33,0	33,0	55,0	207,8
FSS-813-R-B3	813,0	560	550	205	611	180	25	33,0	33,0	55,0	232,2

* According to manufacturer's instructions/statics

**Pipe saddle
Type GSA
DN 80 - DN 800**



Pipe saddle - type GSA

DN 80 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Primed A possible buckling of the pipeline, with thin-walled tubes was not included in the load data

Type	Pipe $\emptyset$	B	L	S1	S2	h (BOP)	H (MOP)	Load (kN) v. 150°C			Weight kg
								F_x	F_y	F_z	
GSA-0324-R-G	323,9	140	120	8	6	77	239	2,5	2,5	8,5	4,9
GSA-0356-R-G	355,6	170	120	8	6	77	255	2,5	2,5	8,5	5,4
GSA-0407-R-G	406,4	220	120	8	6	77	280	2,4	2,4	8,3	6,4
GSA-0419-R-G	419,0	220	120	8	6	100	310	2,4	2,4	8,5	7,2
GSA-0457-R-G	457,0	250	120	8	6	100	329	2,3	2,3	8,1	8,0
GSA-0508-R-G	508,0	300	150	10	8	115	369	4,0	4,0	13,0	14,2
GSA-0521-R-G	521,0	300	150	10	8	115	375	4,0	4,0	13,0	14,3
GSA-0609-R-G	610,0	350	170	10	8	120	425	4,0	4,0	13,0	18,6
GSA-0711-R-G	711,0	420	170	10	8	120	476	5,0	5,0	16,0	21,0
GSA-0812-R-G	813,0	480	170	10	8	120	526	5,0	5,0	16,0	24,5
GSA-0914-R-G	914,0	520	170	12	10	150	607	6,0	6,0	18,0	35,0
GSA-1020-R-G	1020,0	600	190	12	10	150	660	6,3	6,3	18,0	39,6
GSA-1220-R-G	1220,0	740	190	12	10	150	760	6,5	6,5	19,0	49,6
GSA-1420-R-G	1420,0	870	210	12	10	150	860	6,6	6,6	22,0	61,0
GSA-1620-R-G	1620,0	1000	210	12	10	150	960	6,6	6,6	22,0	70,0
GSA-1820-R-G	1820,0	1160	250	15	10	150	1060	11,0	11,0	36,0	113,4
GSA-2020-R-G	2020,0	1280	250	15	10	150	1160	11,0	11,0	36,0	126,2

Sliding support - height adjustable

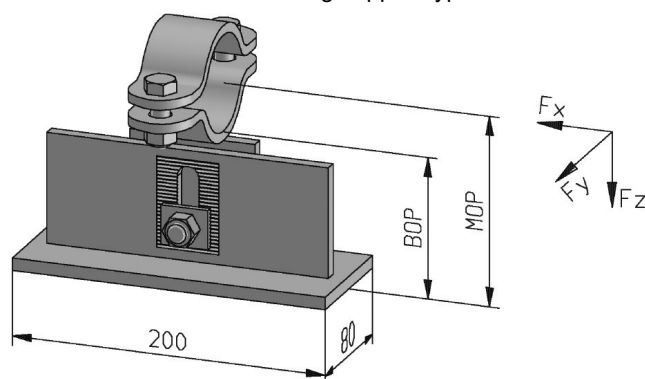
Type GLVA/FLVA

Type GLVB/FLVB

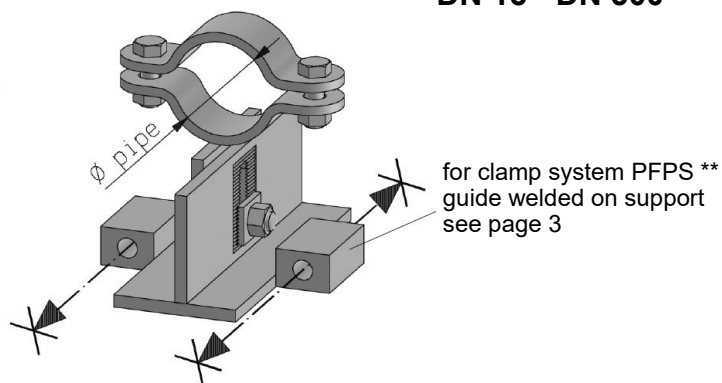
Type 1

DN 15 - DN 300

Sliding support type GLVA



Anchor support type FLVA



Type	H _{min} /mm	H _{max} /mm
1	90	120

Sliding support - height adjustable - type GLVA

DN 15 - DN 80

Anchor support - height adjustable - type FLVA

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized Complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898)

Type	Type	DN	Pipe Ø	h (BOP)	H (MOP)	Load (kN) v. 80°C			Weight kg
						F _x	F _y	F _z	
GLVA-022/1-R-B3	FLVA-022/1-R-B3	15	21,3	90 - 120	101 - 131	0,5	0,5	1,8	2,8
GLVA-027/1-R-B3	FLVA-027/1-R-B3	20	26,9	90 - 120	104 - 134	0,5	0,5	1,8	2,9
GLVA-034/1-R-B3	FLVA-034/1-R-B3	25	33,7	90 - 120	107 - 137	0,5	0,5	1,8	2,9
GLVA-043/1-R-B3	FLVA-043/1-R-B3	32	42,4	90 - 120	112 - 142	0,5	0,5	1,8	2,9
GLVA-049/1-R-B3	FLVA-049/1-R-B3	40	48,3	90 - 120	115 - 145	0,5	0,5	1,8	2,9
GLVA-061/1-R-B3	FLVA-061/1-R-B3	50	60,3	90 - 120	121 - 151	0,7	0,7	2,4	3,2
GLVA-077/1-R-B3	FLVA-077/1-R-B3	65	76,1	90 - 120	129 - 159	0,7	0,7	2,4	3,4
GLVA-089/1-R-B3	FLVA-089/1-R-B3	80	88,9	90 - 120	135 - 165	0,7	0,7	2,4	3,4

Sliding support - height adjustable - type GLVB 1

DN 15 - DN 300

Anchor support - height adjustable - type FLVB 1

image see page 3.6.1.23

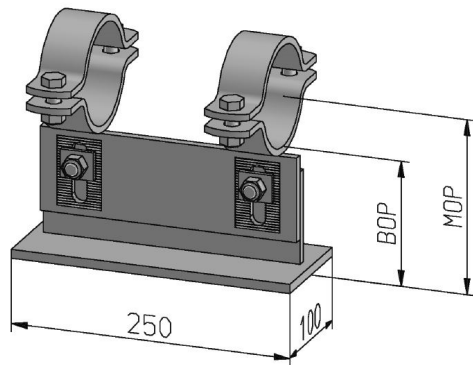
Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized Complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898)

Type	Type	DN	Pipe Ø	h (BOP)	H (MOP)	Load (kN) v. 80°C			Weight kg
						F _x	F _y	F _z	
GLVB-022/1-R-B3	FLVB-022/1-R-B3	15	21,3	90 - 120	101 - 131	1,9	0,2	6,3	4,5
GLVB-027/1-R-B3	FLVB-027/1-R-B3	20	26,9	90 - 120	104 - 134	1,7	0,2	5,5	4,5
GLVB-034/1-R-B3	FLVB-034/1-R-B3	25	33,7	90 - 120	107 - 137	1,7	0,2	5,7	4,6
GLVB-043/1-R-B3	FLVB-043/1-R-B3	32	42,4	90 - 120	112 - 142	1,7	0,3	5,7	4,6
GLVB-049/1-R-B3	FLVB-049/1-R-B3	40	48,3	90 - 120	115 - 145	1,7	0,3	5,7	4,7
GLVB-061/1-R-B3	FLVB-061/1-R-B3	50	60,3	90 - 120	121 - 151	2,8	0,5	9,1	5,3
GLVB-077/1-R-B3	FLVB-077/1-R-B3	65	76,1	90 - 120	129 - 159	2,9	0,7	9,7	5,5
GLVB-089/1-R-B3	FLVB-089/1-R-B3	80	88,9	90 - 120	135 - 165	2,8	0,7	9,3	5,7
GLVB-115/1-R-B3	FLVB-115/1-R-B3	100	114,3	90 - 120	148 - 178	4,7	1,6	15,5	7,7
GLVB-140/1-R-B3	FLVB-140/1-R-B3	125	139,7	90 - 120	160 - 190	4,7	1,7	15,5	8,1
GLVB-169/1-R-B3	FLVB-169/1-R-B3	150	168,3	90 - 120	175 - 205	4,8	1,9	16,0	8,6
GLVB-220/1-R-B3	FLVB-220/1-R-B3	200	219,1	90 - 120	200 - 230	4,8	2,1	15,9	9,7
GLVB-273/1-R-B3	FLVB-273/1-R-B3	250	273,0	90 - 120	227 - 257	4,8	2,4	16,4	12,7
GLVB-324/1-R-B3	FLVB-324/1-R-B3	300	323,9	90 - 120	252 - 282	5,0	2,4	16,7	13,9

* Loads and weights are valid for sliding supports.

** For anchors with a different clamping system (standard M12), thread diameter has to be specified with M16/M20 model in type

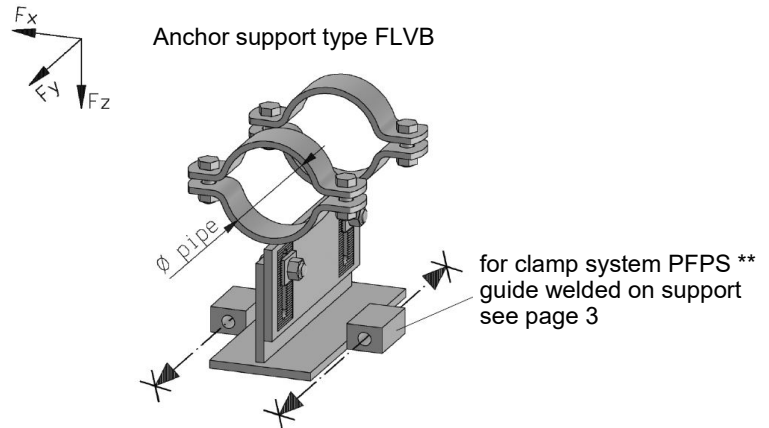
Sliding support type GLVB



Type	H _{min} /mm	H _{max} /mm
1	90	120
2	120	180
3	170	230

Sliding support - height adjustable
Type GLVB/FLVB
Type 2 and 3
DN 15 - DN 300

Anchor support type FLVB



Sliding support - height adjustable - type GLVB 2/3
Anchor support - height adjustable - type FLVB 2/3

DN 15 - DN 300

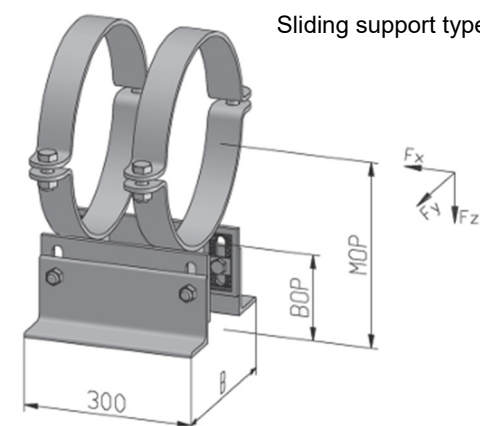
Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized Complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898)

Type	Type	DN	Pipe Ø	h (BOP)	H (MOP)	Load (kN) v. 80°C			Weight kg
						F _x	F _y	F _z	
GLVB-022/2-R-B3	FLVB-022/2-R-B3	15	21,3	120 - 180	131 - 191	1,9	0,1	6,3	5,5
GLVB-027/2-R-B3	FLVB-027/2-R-B3	20	26,9	120 - 180	134 - 194	1,7	0,1	5,5	5,5
GLVB-034/2-R-B3	FLVB-034/2-R-B3	25	33,7	120 - 180	137 - 197	1,7	0,1	5,8	5,6
GLVB-043/2-R-B3	FLVB-043/2-R-B3	32	42,4	120 - 180	142 - 202	1,7	0,2	5,7	5,6
GLVB-049/2-R-B3	FLVB-049/2-R-B3	40	48,3	120 - 180	145 - 205	1,7	0,2	5,8	5,7
GLVB-061/2-R-B3	FLVB-061/2-R-B3	50	60,3	120 - 180	151 - 211	2,7	0,4	9,1	6,3
GLVB-077/2-R-B3	FLVB-077/2-R-B3	65	76,1	120 - 180	159 - 219	2,9	0,5	9,7	6,5
GLVB-089/2-R-B3	FLVB-089/2-R-B3	80	88,9	120 - 180	165 - 225	2,8	0,6	9,3	6,7
GLVB-115/2-R-B3	FLVB-115/2-R-B3	100	114,3	120 - 180	178 - 238	4,7	1,1	15,6	8,7
GLVB-140/2-R-B3	FLVB-140/2-R-B3	125	139,7	120 - 180	190 - 250	4,6	1,3	15,5	9,1
GLVB-169/2-R-B3	FLVB-169/2-R-B3	150	168,3	120 - 180	205 - 265	4,8	1,5	16,0	9,6
GLVB-220/2-R-B3	FLVB-220/2-R-B3	200	219,1	120 - 180	230 - 290	4,8	1,8	15,9	10,7
GLVB-273/2-R-B3	FLVB-273/2-R-B3	250	273,0	120 - 180	257 - 317	4,6	2,1	16,3	13,7
GLVB-324/2-R-B3	FLVB-324/2-R-B3	300	323,9	120 - 180	282 - 352	4,4	2,2	16,7	14,8
GLVB-022/3-R-B3	FLVB-022/3-R-B3	15	21,3	170 - 230	181 - 241	1,9	0,1	6,3	6,3
GLVB-027/3-R-B3	FLVB-027/3-R-B3	20	26,9	170 - 230	184 - 244	1,7	0,1	5,5	6,3
GLVB-034/3-R-B3	FLVB-034/3-R-B3	25	33,7	170 - 230	187 - 247	1,7	0,1	5,8	6,3
GLVB-043/3-R-B3	FLVB-043/3-R-B3	32	42,4	170 - 230	192 - 252	1,7	0,1	5,7	6,4
GLVB-049/3-R-B3	FLVB-049/3-R-B3	40	48,3	170 - 230	195 - 255	1,7	0,2	5,8	6,5
GLVB-061/3-R-B3	FLVB-061/3-R-B3	50	60,3	170 - 230	201 - 261	2,7	0,3	9,1	7,1
GLVB-077/3-R-B3	FLVB-077/3-R-B3	65	76,1	170 - 230	209 - 269	2,9	0,4	9,7	7,3
GLVB-089/3-R-B3	FLVB-089/3-R-B3	80	88,9	170 - 230	215 - 275	2,8	0,5	9,3	7,5
GLVB-115/3-R-B3	FLVB-115/3-R-B3	100	114,3	170 - 230	228 - 288	4,7	0,9	15,6	9,5
GLVB-140/3-R-B3	FLVB-140/3-R-B3	125	139,7	170 - 230	240 - 300	4,6	1,1	15,5	9,9
GLVB-169/3-R-B3	FLVB-169/3-R-B3	150	168,3	170 - 230	255 - 315	4,6	1,3	16,0	10,4
GLVB-220/3-R-B3	FLVB-220/3-R-B3	200	219,1	170 - 230	280 - 340	4,2	1,5	15,9	11,5
GLVB-273/3-R-B3	FLVB-273/3-R-B3	250	273,0	170 - 230	307 - 367	4,0	1,7	16,3	14,5
GLVB-324/3-R-B3	FLVB-324/3-R-B3	300	323,9	170 - 230	332 - 392	3,8	1,7	16,7	15,6

* Loads and weights are valid for sliding supports.

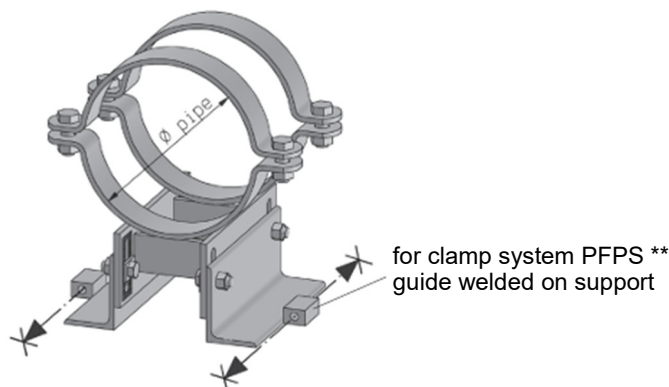
** For anchors with a different clamping system (standard M12), thread diameter has to be specified with M16/M20 model in type

Sliding support - height adjustable
Type GLVC/FLVC
DN 250 - DN 800



Sliding support type GLVC

Anchor support type FLVC



Type	H _{min} /mm	H _{max} /mm
1	85	150
2	120	180
3	170	230

Sliding support - height adjustable - type GLVC
Anchor support - height adjustable - type FLVC

DN 250 - DN 800

Material	S235JR DIN EN 10025-2, working temperatures up to 300°C
Surface	Hot-dip galvanized Complete with bolts and nuts 8.8/8 hot-dip galvanized (DIN EN ISO 898)

Type	Type	DN	Pipe Ø	Width B	(BOP)	(MOP)	Load (kN) v. 80°C			Weight kg
							F _x	F _y	F _z	
GLVC-273/1-R-B3	FLVC-273/1-R-B3	250	273,0	304	85-130	222-267	4,9	2,6	16,3	22,5
GLVC-324/1-R-B3	FLVC-324/1-R-B3	300	323,9	304	85-130	247-292	5,0	2,9	16,7	23,5
GLVC-356/1-R-B3	FLVC-356/1-R-B3	350	355,6	304	85-130	263-308	4,6	2,9	16,3	24,9
GLVC-407/1-R-B3	FLVC-407/1-R-B3	400	406,4	354	95-145	299-349	6,1	4,7	24,7	33,3
GLVC-457/1-R-B3	FLVC-457/1-R-B3	450	457,0	354	95-145	324-374	5,6	4,8	24,2	34,6
GLVC-508/1-R-B3	FLVC-508/1-R-B3	500	508,0	354	95-145	349-399	5,3	5,0	24,7	36,6
GLVC-609/1-R-B3	FLVC-609/1-R-B3	600	610,0	354	100-150	405-455	3,9	4,5	20,9	40,0
GLVC-711/1-R-B3	FLVC-711/1-R-B3	700	711,0	354	100-150	456-506	3,8	5,0	22,4	43,6
GLVC-812/1-R-B3	FLVC-812/1-R-B3	800	813,0	354	100-150	507-557	3,5	5,3	22,8	47,0

Type	Type	DN	Pipe Ø	Width B	(BOP)	(MOP)	Load (kN) v. 80°C			Weight kg
							F _x	F _y	F _z	
GLVC-273/2-R-B3	FLVC-273/2-R-B3	250	273,0	314	120-180	257-317	4,4	2,1	16,3	24,3
GLVC-324/2-R-B3	FLVC-324/2-R-B3	300	323,9	314	120-180	282-342	4,2	2,4	16,7	25,5
GLVC-356/2-R-B3	FLVC-356/2-R-B3	350	355,6	314	120-180	298-358	3,9	2,4	16,3	26,7
GLVC-407/2-R-B3	FLVC-407/2-R-B3	400	406,4	364	120-180	324-384	5,2	3,9	24,7	34,9
GLVC-457/2-R-B3	FLVC-457/2-R-B3	450	457,0	364	120-180	349-409	4,7	4,1	24,2	36,2
GLVC-508/2-R-B3	FLVC-508/2-R-B3	500	508,0	364	120-180	374-434	4,5	4,3	24,7	38,4
GLVC-609/2-R-B3	FLVC-609/2-R-B3	600	610,0	364	120-180	425-485	3,5	3,9	20,9	41,8
GLVC-711/2-R-B3	FLVC-711/2-R-B3	700	711,0	364	120-180	476-536	3,4	4,5	22,4	45,4
GLVC-812/2-R-B3	FLVC-812/2-R-B3	800	813,0	364	120-180	527-587	3,1	4,7	22,8	48,8

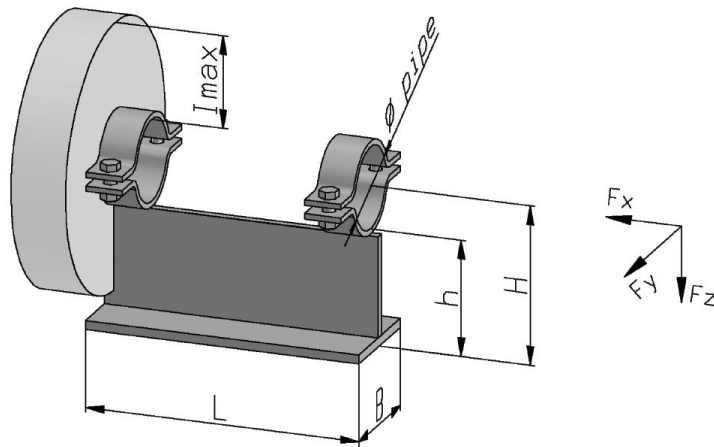
Type	Type	DN	Pipe Ø	Width B	(BOP)	(MOP)	Load (kN) v. 80°C			Weight kg
							F _x	F _y	F _z	
GLVC-273/3-R-B3	FLVC-273/3-R-B3	250	273,0	314	170-230	307-367	3,8	1,8	16,3	31,3
GLVC-324/3-R-B3	FLVC-324/3-R-B3	300	323,9	314	170-230	332-392	3,6	2,1	16,7	32,5
GLVC-356/3-R-B3	FLVC-356/3-R-B3	350	355,6	314	170-230	348-408	3,4	2,1	16,3	33,7
GLVC-407/3-R-B3	FLVC-407/3-R-B3	400	406,4	364	170-230	374-434	4,6	3,5	24,7	42,9
GLVC-457/3-R-B3	FLVC-457/3-R-B3	450	457,0	364	170-230	399-459	4,2	3,6	24,2	44,2
GLVC-508/3-R-B3	FLVC-508/3-R-B3	500	508,0	364	170-230	424-484	4,1	3,9	24,7	46,4
GLVC-609/3-R-B3	FLVC-609/3-R-B3	600	610,0	364	170-230	475-535	3,1	3,6	20,9	49,8
GLVC-711/3-R-B3	FLVC-711/3-R-B3	700	711,0	364	170-230	526-586	3,1	4,1	22,4	53,4
GLVC-812/3-R-B3	FLVC-812/3-R-B3	800	813,0	364	170-230	577-637	2,9	4,4	22,8	56,8

* Loads and weights are valid for sliding supports.

** For anchors with a different clamping system (standard M12), thread diameter has to be specified with M16/M20 model in type

3.6.1.23

**Sliding support
Type GLB 100 and 120
DN 15 - DN 200**



Sliding support - type GLB 100

DN 15 - DN 200

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperature (DIN 267-13) Pipe clamp type RA acc. to DIN 3567

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	Load (kN) v. 450°C			Weight kg
							F _x	F _y	F _z	
GLB-100/022-C	21,3	100	300	105	116	80	1,1	1,1	4,5	5,0
GLB-100/027-C	26,9	100	300	105	119	80	1,1	1,1	4,5	5,1
GLB-100/034-C	33,7	100	300	105	122	80	1,4	1,4	4,5	5,1
GLB-100/043-C	42,4	100	300	105	127	80	1,4	1,4	4,5	5,2
GLB-100/049-C	48,3	100	300	105	130	80	1,4	1,4	4,5	5,2
GLB-100/061-C	60,3	100	300	106	137	80	1,8	1,8	6,1	6,1
GLB-100/077-C	76,1	100	300	106	145	80	1,8	1,8	6,1	6,3
GLB-100/089-C	88,9	100	300	106	151	80	1,8	1,8	6,1	6,4
GLB-100/115-C	114,3	100	400	108	166	80	2,3	2,3	7,6	10,1
GLB-100/140-C	139,7	100	400	108	178	80	2,3	2,3	7,6	10,5
GLB-100/169-C	168,3	100	400	108	193	80	2,3	2,3	7,6	11,0
GLB-100/220-C	219,1	100	400	108	218	80	2,3	2,3	7,6	12,1

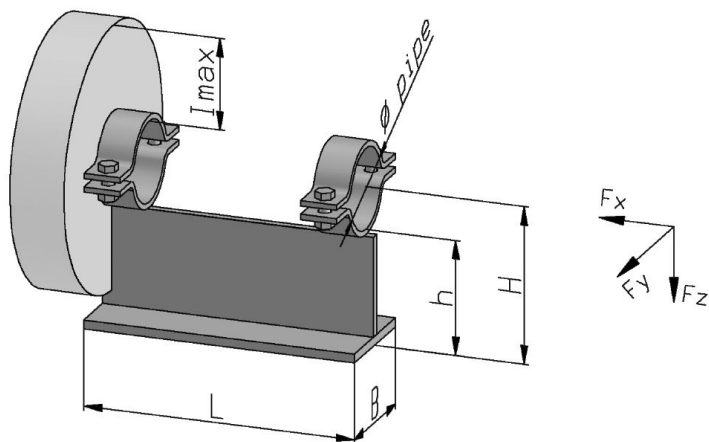
Sliding support - type GLB 120

DN 15 - DN 200

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Pipe clamp type RA acc. to DIN 3567

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	Load (kN) v. 450°C			Weight kg
							F _x	F _y	F _z	
GLB-120/022-C	21,3	120	300	125	136	100	1,2	1,2	3,9	6,0
GLB-120/027-C	26,9	120	300	125	139	100	1,2	1,2	3,9	6,1
GLB-120/034-C	33,7	120	300	125	142	100	1,2	1,2	3,9	6,1
GLB-120/043-C	42,4	120	300	125	147	100	1,2	1,2	3,9	6,2
GLB-120/049-C	48,3	120	300	125	150	100	1,2	1,2	3,9	6,2
GLB-120/061-C	60,3	120	300	126	157	100	1,5	1,5	5,1	7,1
GLB-120/077-C	76,1	120	300	126	165	100	1,5	1,5	5,1	7,3
GLB-120/089-C	88,9	120	300	126	171	100	1,5	1,5	5,1	7,4
GLB-120/115-C	114,3	120	400	128	186	100	1,9	1,9	6,4	11,3
GLB-120/140-C	139,7	120	400	128	198	100	1,9	1,9	6,4	11,7
GLB-120/169-C	168,3	120	400	128	213	100	1,9	1,9	6,4	12,2
GLB-120/220-C	219,1	120	400	128	238	100	1,9	1,9	6,4	13,4

**Sliding support
Type GLB 160
DN 15 - DN 200**



Sliding support - type GLB 160

DN 15 - DN 200

Material	13CrMo4-5 DIN EN 10028-2, working temperatures up to 560°C
Surface	Plain, complete with bolts and nuts GA/KG high temperatures (DIN 267-13) Pipe clamp type RA acc. to DIN 3567

Type	Pipe Ø	B	L	h (BOP)	H (MOP)	lmax	Load (kN) v. 450°C			Weight kg
							F _x	F _y	F _z	
GLB-160/022-C	21,3	160	300	165	176	140	1,1	1,1	3,6	9,3
GLB-160/027-C	26,9	160	300	165	179	140	1,1	1,1	3,6	9,4
GLB-160/034-C	33,7	160	300	165	182	140	1,1	1,1	3,6	9,4
GLB-160/043-C	42,4	160	300	165	187	140	1,1	1,1	3,6	9,5
GLB-160/049-C	48,3	160	300	165	190	140	1,1	1,1	3,6	9,5
GLB-160/061-C	60,3	160	300	166	197	140	1,4	1,4	4,8	10,6
GLB-160/077-C	76,1	160	300	166	205	140	1,4	1,4	4,8	10,8
GLB-160/089-C	88,9	160	300	166	211	140	1,4	1,4	4,8	10,8
GLB-160/115-C	114,3	160	400	168	226	140	1,8	1,8	6,0	15,8
GLB-160/140-C	139,7	160	400	168	238	140	1,8	1,8	6,0	16,3
GLB-160/169-C	168,3	160	400	168	253	140	1,8	1,8	6,0	16,8
GLB-160/220-C	219,1	160	400	168	278	140	1,8	1,8	6,0	17,8

Technical information

Expert advice

With our many years of experience as suppliers to the pipeline and plant construction industries we are well placed to assist you with expert advice on the design and detail for large-scale projects including can provide tailor made solutions for specific problems and applications.

Loads

The calculation loads mentioned in this document were made with statically models under certain conditions and parameters. All possible care is taken compliance and applicable technical regulations and standards, guarantees are given against the loads for the static cases shown in the catalog, these are approximate values. Liabilities for the particular application cannot be derived. Any unauthorized variations or changes would invalidate any warranty and guarantee on our part.

Materials

The materials and characteristics are in accordance to the corresponding standards and should be used as the minimum requirement. For the characteristics and quality, Bernecker would only accept warranty in combination with an inspection certificate 3.1

Special design

For your individual requirements we also offer special pipe supports. Either as a variant production through the use of other:

- materials (e.g. P265GH, P275NL1)
- coatings (e.g. Duplex)
- diameter (e.g. RA-102-R)
- lengths (e.g. GLY-200/324L500-RB3)
- heights (e.g. GLY-75/324-RB3)

or according to your specifications routines or static specification.

General tolerances

The general tolerances are for lengths, angles, shape and location in accordance with ISO 2768-cL and 13920-1-CG.

SI units

The physical quantities are stated in SI units as follows:

- Dimensions in mm
 - Loads in kN
 - Temperatures at 80°
 - Weights in kg
- if not stated otherwise.

Heat treatment

We can hot form and heat treat components to order, e.g. stress-free annealing, normalizing or hardening of high temperature materials. On request we supply a diagram of the heat treatment and temperature curve of the heat treated components supplied.

Corrosion protection and surface finishes

Components

- The corrosion protection of our components in accordance with DIN EN ISO 12944.
- Hot-dip galvanized components is standard galvanized to DIN EN ISO 1461 or ASTM 123.
- Prepare acc. To ISO 8501-3-P1 (edges broken and burr-free)
- According to your needs and specifications we can also provide our component parts with the following surface treatment:
Blasting (acc. To 8501-1 SA2 1/2)
pickling, oiling, basic coating, painting or galvanic surface treatment.

Complement

- Hot-dip galvanized screwing acc. to DIN EN ISO 10684 (tZn)
- Galvanized screwing acc. to ISO 4042 (A2A or superior)
- The coatings tZn and A2A are chrome (IV)-free

Prefabrication service supplied complete to site

As a specialist manufacturer in the field of pipe supports we can fabricate all supports and ancillaries for you ready to install, complete with labeling, to order. Pre-assembled components with hard stamped article-name can optimize the assembling process and allow time savings on site, however, it is an additional service.

Acceptance/Certificates

On request we can supply our pipe support products to DIN EN 10204 with:

- acceptance test certificate 3.1
- certificate of compliance 2.2 / 2.1

We can arrange for acceptance tests (NDT, etc.) to be carried out by the TÜV or other inspectorate on our premises if required. Inspections by our customers can be arranged at any time.

Our safety is your guarantee

We operate in a quality assurance system that is certified to DIN ISO 9001. This is your guarantee that we will turn your specifications and requirements into a fully functional and reliable system that is right for the job.

Registrations (Status in 12/2017)

DIN ISO 9001:2008 (quality management)

AD2000 W-0 (certification acc. To pressure equipment directive)

DIN EN 1090-1 (requirements for conformity assessment of structural components)

DIN EN ISO 3834-2 (comprehensive quality)

Legal notice

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Our general terms and conditions apply.

Regular screwing AD 2000 / VGB R 510 L		
Material	Strength i.a.w. DIN 267-13	Temp.
	Bolt/nut	
S235JR	8.8 / 8	≤ 300°C
S355J2+N	8.8 / 8	≤ 300°C
P265GH	KG / KG	≤ 450°C
16Mo3	KG / KG	≤ 500°C
13CrMo4-5	GA / GA	≤ 530°C
10CrMo9-10	GA / GA	≤ 580°C
X6CrNi 18 10	A4 / A4	≤ 580°C
X6CrNiMoTi 17-12-2	A4 / A4	≤ 580°C

Conversion factors for the loads given in the catalogue at other temperatures.

(Loads should only be converted for the same material, never from one material to another)

Material	Nr.	DIN	20°/50°	100°	150°	200°	250°	300°	350°	400°	450°	500°	520°	540°	560°
S235JR	1.0038	EN 10025-2	1,35	1,07	1,00	0,93	0,82	0,70							
16Mo3	1.5415	EN 10028-2	1,40	1,34	1,29	1,25	1,15	1,00	0,90	0,85	0,80	0,57	0,34		
13CrMo4-5	1.7335	EN 10028-2	1,56	1,49	1,45	1,40	1,30	1,20	1,10	1,05	1,00	0,88	0,58	0,36	0,24
10CrMo9-10	1.7380	EN 10028-2	1,35	1,31	1,28	1,25	1,20	1,15	1,10	1,05	1,00	0,95	0,73	0,52	0,36
X6CrNiTi 18 10	1.4541	DIN 17440	1,00	0,93	0,88	0,83	0,77	0,72	0,68	0,66					
X6CrNiMoTi 17-12-2	1.4571	DIN 17440	1,00	0,90	0,86	0,81	0,76	0,70	0,68	0,66					

Technical modifications reserved