

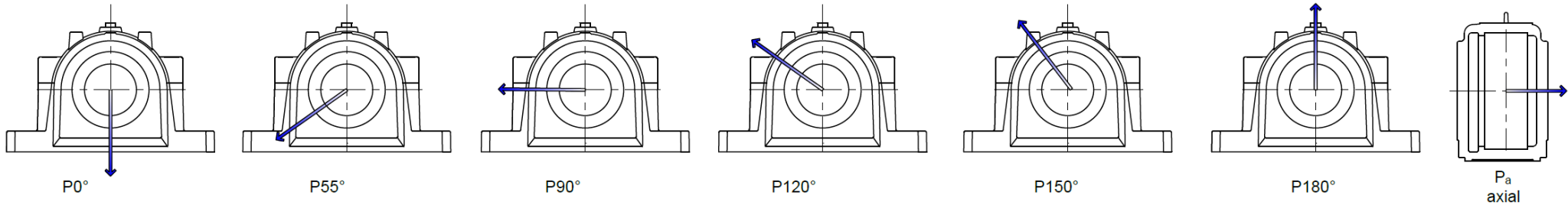
Housing No.	Breaking Loads (kN)						
	P0°	P55°	P90°	P120°	P150°	P180°	Pa
SNHF 506-605	130	170	100	80	65	85	55
SNHF 507-606	140	190	115	85	80	95	60
SNHF 508-607 / SNHF 208-307	150	215	130	95	85	110	70
SNHF 509 / SNHF 209	160	230	140	100	90	115	75
SNHF 510-608 / SNHF 210	170	265	155	120	110	130	85
SNHF 511-609 / SNHF 211	190	275	170	125	115	140	90
SNHF 512-610 / SNHF 212	210	300	180	130	120	150	100
SNHF 513-611 / SNHF 213	270	340	205	150	130	170	110
SNHF 515-612 / SNHF 215	290	410	250	185	160	205	135
SNHF 516-613 / SNHF 216	350	430	260	190	175	215	140
SNHF 517 / SNHF 217	370	480	290	205	190	240	155
SNHF 518-615 / SNHF 218	430	550	340	250	215	275	180
SNHF 519-616	450	580	350	260	230	290	190
SNHF 520-617	470	620	370	280	250	310	200
SNHF 522-619	600	680	410	310	275	340	220
SNHF 524-620	800	790	470	350	320	400	260
SNHF 526	900	900	540	410	360	450	295
SNHF 528	1000	1050	630	470	430	530	345
SNHF 530	1100	1200	730	540	480	600	390
SNHF 532	1300	1450	860	640	570	720	470

**Note:**

Guideline values for the breaking load (P) of the housing, for various load direction, are given in table. Using these values and a safety factor selected with respect to the operating conditions, the permissible load for the housing can be calculated. In general engineering a safety factor of 6 is often used. For special purposes where extra strength and resistance to shock loads are required, we recommend **SSNHF** Housings supplied in ductile steel (next page). It is important for the load carrying ability of the housing, that the bolts joining cap and base, are properly tightened in accordance with the values given in table. The axial load carrying capacity of the housing is approximately 65% of P180°. For load angles between 55° and 120° as well as for axial loads, or if the load acting parallel to the base plate (support surface) exceeds 5% of P180°, the housing should be supported in the direction of the load.

## SSNHF Plummer Block Housing

Breaking loads for plummer block housings in ductile steel (GGG)



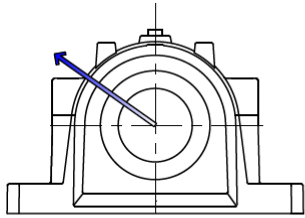
Housing No.	Breaking Loads (kN)						
	P0°	P55°	P90°	P120°	P150°	P180°	Pa
SSNHF 506-605	234	306	180	144	117	153	99
SSNHF 507-606	252	342	207	153	144	171	108
SSNHF 508-607 / SSNHF 208-307	270	387	234	171	153	198	126
SSNHF 509 / SSNHF 209	288	414	252	180	162	207	135
SSNHF 510-608 / SSNHF 210	306	477	279	216	198	234	153
SSNHF 511-609 / SSNHF 211	342	495	306	225	207	252	162
SSNHF 512-610 / SSNHF 212	378	540	324	234	216	270	180
SSNHF 513-611 / SSNHF 213	486	612	369	270	234	306	198
SSNHF 515-612 / SSNHF 215	522	738	450	333	288	369	243
SSNHF 516-613 / SSNHF 216	630	774	468	342	315	387	252
SSNHF 517 / SSNHF 217	666	864	522	369	342	432	279
SSNHF 518-615 / SSNHF 218	774	990	612	450	387	495	324
SSNHF 519-616	810	1044	630	468	414	522	342
SSNHF 520-617	846	1116	666	504	450	558	360
SSNHF 522-619	1080	1224	738	558	495	612	396
SSNHF 524-620	1440	1422	846	630	576	720	468
SSNHF 526	1620	1620	972	738	648	810	531
SSNHF 528	1800	1890	1134	846	774	954	621
SSNHF 530	1980	2160	1314	972	864	1080	702
SSNHF 532	2340	2610	1548	1152	1026	1296	846

### Note:

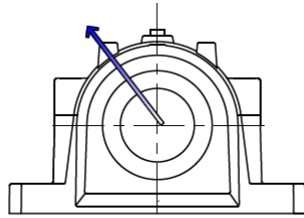
Guideline values for the breaking load (P) of the housing, for various load direction, are given in table. Using these values and a safety factor selected with respect to the operating conditions, the permissible load for the housing can be calculated. In general engineering a safety factor of 6 is often used. It is important for the load carrying ability of the housing, that the bolts joining cap and base, are properly tightened in accordance with the values given in table. The axial load carrying capacity of the housing is approximately 65% of P180°. For load angles between 55° and 120° as well as for axial loads, or if the load acting parallel to the base plate (support surface) exceeds 5% of P180°, the housing should be supported in the direction of the load.

## SNHF Plummer Block Housing

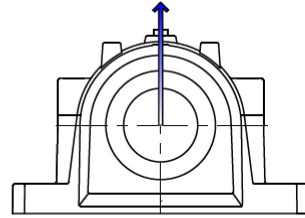
Load carrying ability of cap bolts and tightening torque



Q120°  
F120°



Q150°  
F150°



Q180°  
F180°

**Q:** Cap bolts yield point for both bolts.

**F:** Cap bolts maximum load for both bolts.

Housing No.	Load carrying ability of cap bolts (kN)						Tightening Torque (Nm)	Bolt Designation
	Q120°	Q150°	Q180°	F120°	F150°	F180°		
SNHF 506-605	150	85	75	50	30	25	50	M10x40
SNHF 507-606	150	85	75	50	30	25	50	M10x50
SNHF 508-607 / SNHF 208-307	150	85	75	50	30	25	50	M10x50
SNHF 509 / SNHF 209	150	85	75	50	30	25	50	M10x50
SNHF 510-608 / SNHF 210	150	85	75	50	30	25	50	M10x50
SNHF 511-609 / SNHF 211	220	125	110	80	45	40	80	M12x50
SNHF 512-610 / SNHF 212	220	125	110	80	45	40	80	M12x60
SNHF 513-611 / SNHF 213	220	125	110	80	45	40	80	M12x70
SNHF 515-612 / SNHF 215	220	125	110	80	45	40	80	M12x70
SNHF 516-613 / SNHF 216	220	125	110	80	45	40	80	M12x70
SNHF 517 / SNHF 217	220	125	110	80	45	40	80	M12x80
SNHF 518-615 / SNHF 218	400	230	200	170	100	85	150	M16x90
SNHF 519-616	400	230	200	170	100	85	150	M16x90
SNHF 520-617	400	230	200	170	100	85	150	M16x90
SNHF 522-619	400	230	200	170	100	85	150	M16x100
SNHF 524-620	620	360	310	260	150	130	200	M20x110
SNHF 526	620	360	310	260	150	130	200	M20x110
SNHF 528	900	520	450	380	220	190	350	M24x130
SNHF 530	900	520	450	380	220	190	350	M24x130
SNHF 532	900	520	450	380	220	190	350	M24x130

**Note:**

SNHF Plummer block housings are supplied with cap bolts of strength class 10.9 as standard. The guideline values for the yield point Q for the cap bolts are given in table for various load directions as well as corresponding maximum radial loads F.