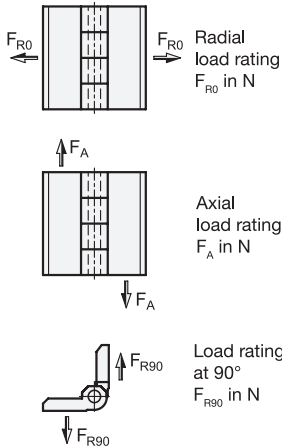


Load rating of plastic hinges

in ascending order of the standard numbers



The values given in (...) are the breaking loads determined in a series of tests. They are designed to estimate the safety factor.

When attaching the different hinges, a maximum tightening torque must not be exceeded.

The details given on load rating are non-binding guide values without any liability. In general, they do not constitute a warranty of quality. The user must determine from case to case if a product is suitable for the intended purpose.

Article No.	Radial load rating		Axial load rating		Max. tightening torque of the hinge attachment in Nm		
	F_{R0} in N	F_{R90} in N	F_A in N		Bore	Thread	Bolt
GN 151 -39-40-A	240 (2220)	100 (730)	200 (2050)		–	5	–
-39-40-B	230 (1760)	180 (1330)	137 (1800)		1	–	–
-39-40-C	290 (2030)	280 (1520)	130 (2080)		1	–	–
-48-49-A	440 (3070)	170 (1470)	400 (3770)		–	5	–
-48-49-B	310 (2530)	250 (1620)	360 (3080)		2	–	–
-48-49-C	310 (2880)	320 (2490)	300 (2960)		2	–	–
-48-49-D	360 (1970)	200 (1680)	370 (3070)		–	–	5
-48-49-E	320 (1970)	200 (1620)	360 (3070)		2	–	5
-48-49-F	280 (1970)	200 (1680)	370 (2960)		2	–	5
-48-49-G	360 (1970)	200 (1470)	370 (3070)		–	5	5
-48-49-H	320 (2530)	170 (1470)	360 (3080)		2	5	–
-48-49-I	280 (2880)	170 (1470)	400 (2960)		2	5	–
-64-65-A	690 (5670)	220 (2280)	640 (4570)		–	5	–
-64-65-B	490 (5790)	260 (3190)	510 (5280)		5	–	–
-64-65-C	720 (6270)	240 (4180)	520 (4760)		3	–	–
-64-65-D	460 (6620)	220 (3190)	510 (5890)		–	–	5
-64-65-E	460 (5790)	220 (3190)	510 (5280)		3	–	5
-64-65-F	460 (6270)	220 (3190)	510 (4760)		5	–	5
-64-65-G	460 (5670)	220 (2280)	510 (4570)		–	5	5
-64-65-H	460 (5670)	220 (2280)	510 (4570)		5	5	–
-64-65-I	690 (5670)	220 (2280)	640 (4570)		3	5	–
-98-98-A	2120 (17940)	590 (5210)	970 (7660)		–	5	–
-98-98-B	2060 (13670)	540 (4760)	1050 (4860)		5	–	–
-98-98-C	1230 (10460)	510 (4100)	1110 (6730)		5	–	–
-98-98-D	1730 (16190)	460 (3690)	890 (5950)		–	–	5
-98-98-E	1730 (13670)	460 (3690)	890 (4860)		5	–	5
-98-98-F	1230 (10460)	460 (3690)	890 (5950)		5	–	5
-98-98-G	1730 (16190)	460 (3690)	890 (5950)		–	5	5
-98-98-H	2060 (13670)	540 (4760)	970 (4860)		5	5	–
-98-98-I	1230 (10460)	510 (4110)	970 (6730)		5	5	–

Article No.	Radial load rating				Axial load rating		Max. tightening torque of the hinge attachment in Nm		
	F _{R0} in N		F _{R90} in N		F _A in N		Bore	Thread	Bolt
GN 151.4-64-65	490	(5790)	260	(3190)	519	(5280)	3	–	–
GN 159 -54-17,5-17,5	1850	(3710)	300	(1700)	440	(2570)	5	–	–
-64-17,5-22,5	1750	(3490)	590	(870)	320	(2280)	5	–	–
-69-17,5-25	1760	(3520)	190	(780)	240	(2150)	5	–	–
-84-17,5-32,5	1600	(3190)	180	(850)	280	(1510)	5	–	–
-74-22,5-22,5	1750	(3490)	220	(870)	320	(2280)	5	–	–
-79-22,5-25	1750	(3490)	390	(780)	240	(2150)	5	–	–
-94-22,5-32,5	1600	(3190)	180	(850)	280	(1510)	5	–	–
-84-25-25	1760	(3520)	190	(780)	240	(2150)	5	–	–
-99-25-32,5	1600	(3190)	180	(780)	240	(1510)	5	–	–
-114-32,5-32,5	1600	(3190)	180	(850)	280	(1510)	5	–	–
-80-102-8,5	4500	(10000)	2000	(4000)	2000	(4000)	5	–	–
GN 159.1-89-35-35	1850	(3710)	300	(1700)	440	(2570)	5	–	–
-109-40-40	1750	(3490)	220	(870)	320	(2280)	5	–	–
-99-40-40	1750	(3490)	220	(870)	320	(2280)	5	–	–
-119-45-45	1750	(3490)	220	(870)	320	(2280)	5	–	–
-104-42,5-42,5	1760	(3520)	190	(780)	240	(2150)	5	–	–
-124-47,5-47,5	1750	(3490)	190	(780)	240	(2150)	5	–	–
-134-50-50	1760	(3520)	190	(780)	240	(2150)	5	–	–
-119-50-50	1600	(3190)	180	(850)	280	(1510)	5	–	–
-139-55-55	1600	(3190)	180	(850)	280	(1510)	5	–	–
-149-57,5-57,5	1600	(3190)	180	(780)	240	(1510)	5	–	–
GN 233 -37-43	1400	(1800)	500	(1000)	700	(1100)	1	–	–
-57-64	2250	(3200)	1500	(2500)	1500	(2350)	3	–	–
GN 237.1-30-30-A	1700		1000		1400		3	–	–
-30-30-B	1700		850		1300		3	–	–
-40-40-A	1900		1280		1900		3	–	–
-40-40-B	1600		1000		1900		5	–	–
-40-40-C	1900		1000		2000		–	–	5
-40-40-D	1900		1000		1900		3	–	5
-40-40-E	1600		1000		1900		5	–	5
-50-50-A	2400		1720		2630		5	–	–
-50-50-B	2410		1360		2860		5	–	–
-50-50-C	2560		2100		2340		–	–	5
-50-50-D	2400		1720		2340		5	–	5
-50-50-E	2410		1360		2340		5	–	5
-60-60-A	2960		3070		3320		5	–	–
-60-60-B	2810		2170		3440		5	–	–
-60-60-C	3940		2130		3000		–	–	5
-60-60-D	2960		2130		3000		5	–	5
-60-60-E	2810		2130		3000		5	–	5