

TECHNICAL DATA

10.16 Load ratings metal hinges

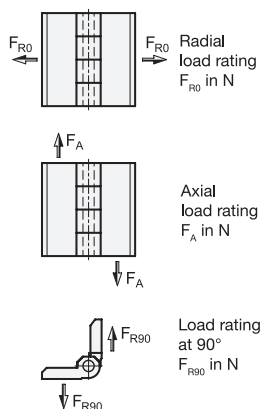
Load rating of metal hinges in ascending order of the standard numbers

An extensive series of tests were carried out with the hinges listed below.

The hinges were slowly loaded and relieved at room temperature with incrementally increasing force. After load relieve, a deformation irrelevant in terms of function and appearance remained at the listed values for L_A , L_{R0} and L_{R90} . The breaking loads were in most cases multiples above the specified value.

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 envisaged use. Ambient factors and ageing may influence the specified values.



Article No.	Radial load rating		Axial load rating L_A in N
	L_{R0} in N	L_{R90} in N	
GN 127 -76-60	2000	2000	1150
GN 136 -30-30-ST	500	500	700
-30-45-ST	750	700	1300
-40-40-ST	1000	1000	2000
-40-60-ST	1500	1300	2400
-50-50-ST	2000	1000	2500
-50-75-ST	2250	1300	2500
-60-60-ST	2500	1100	2800
-60-90-ST	3000	1200	3000
-30-30-NI	500	500	700
-30-45-NI	750	700	1300
-40-40-NI	1000	1000	2000
-40-60-NI	1500	1300	2400
-50-50-NI	2000	1000	2500
-50-75-NI	2250	1300	2500
-60-60-NI	2500	1100	2800
-60-90-NI	3000	1200	3000
GN 138 -ZD-40-42-A	1500	4000	1000
-ZD-50-52-A	3500	6000	1750
-ZD-60-62-A	4000	6500	2000
GN 139.1 -49-101	1000	1000	1500
-79-101	500	500	750
GN 139.2 -49-101	1000	1000	1500
-79-101	500	500	750
GN 139.5 -76-126	2000	2000	2000
GN 139.6 -76-126	2000	2000	2000
GN 161 -57	1150	1500	600
-68	1500	1200	750
-80	2500	2500	1000
GN 237 -AL-30-30-A-EL	1000	800	500
-AL-40-40-A-EL	2000	2800	1000



Load rating of metal hinges
continued

Article No.		Radial load rating		Axial load rating
		L_{R0} in N	L_{R90} in N	L_A in N
GN 237	-AL-50-50-A-EL	3000	4300	2300
	-AL-60-60-A-EL	5000	4600	4100
	-NI-30-30-A-GS	1800	800	800
	-NI-40-40-A-GS	4000	1700	2100
	-NI-50-50-A-GS	6900	2300	2600
	-NI-60-60-A-GS	10000	5000	5000
	-A4-30-30-A-GS	1800	800	800
	-A4-40-40-A-GS	4000	1700	2100
	-A4-50-50-A-GS	6900	2300	2600
	-A4-60-60-A-GS	10000	5000	5000
	-ZD-30-30-A	1200	750	500
	-ZD-40-40-A	2100	2000	1200
	-ZD-50-50-A	3500	2500	2100
	-ZD-60-60-A	6000	5000	3200
	-ZD- 40-40-C	1700	1900	900
	-ZD- 50-50-C	3500	2000	2000
-ZD- 60-60-C	4000	2500	3000	
GN 237	-NI- 63-50-A-GS	4000	2000	1500
	-NI- 76-50-A-GS	4000	2000	1200
	-NI- 90-60-A-GS	4500	2000	1500
	-NI-120-60-A-GS	4500	2000	1200
	-ZD- 63-50-A	2600	1200	1500
	-ZD- 76-50-A	3000	1300	1300
	-ZD- 90-60-A	4500	1400	1500
	-ZD-120-60-A	4500	1500	1300
	-ZD- 63-50-C	2800	1500	1500
	-ZD- 76-50-C	3000	1500	1300
GN 238	-42-42-BJ	1500	2100	1050
	-42-42-EJ	1000	1500	1200
	-42-42-NJ	1250	1350	1500
	-50-50-BJ	1500	2200	1500
	-50-50-EJ	1500	1700	1500
	-50-50-NJ	1800	1900	2000
	-60-60-BJ	2500	3200	1500
	-60-60-EJ	2000	2000	1500
GN 337	-60-60-NJ	3700	2600	2550
	-NI-40-40-A-GS	3000	3500	2000
	-NI-50-50-A-GS	5000	3500	2500
	-NI-60-60-A-GS	6000	6000	5000
	-ZD-40-40-A	2200	1600	1500
GN 437	-ZD-50-50-A	3000	2500	2500
	-ZD-60-60-A	4300	3500	3100
	-ZD-40-40-A	2400	1600	1200
	-ZD-50-50-A	3200	2000	1600
	-ZD-60-60-A	4500	2500	2000



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