

10.15 Load ratings U-Handles



Load capacity F1
in N



Load capacity F2
in N

Load rating of cabinet U-Handles / Tubular handles in metal in ascending order of the standard numbers

An extensive series of tests were carried out with the cabinet "U" handles / Tubular handles listed below. The handles 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 F1 and F2 respectively. The breaking loads were in most cases multiples above the specified value.

Note:

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.

Cabinet U-Handles GN 225 (see page 427)				
Size	18	20	22	25
F1	2250	2250	3000	3500
F2	5500	7500	9750	9750

Tubular handles GN 333.2 (see page 500)					
Size	242	292	392	492	592
F1	2400	2200	2000	1900	1600
F2	3700	3200	2400	2200	1650

Tubular handles GN 331 (see page 496)		
Size	30-200	30-300
F1	3000	2400
F2	4000	3700

Tubular handles GN 333.3 (see page 489)					
Size	242	292	392	492	592
F1	1800	1700	1650	1600	1500
F2	3500	3000	2500	2000	1500

Tubular handles GN 332 (see page 492)		
Size	30-200	30-300
F1	2500	2250
F2	3500	3400

Stainless Steel-Tubular handles GN 333.5 (see page 506)						
Size	200	250	300	400	500	600
F1	3000	2500	2000	1750	1500	1450
F2	7500	6000	5000	4250	3500	2500

Tubular handles GN 333 (see page 498)					
Size	20-200	20-250	20-300	20-350	20-400
F1	1700	1500	1200	800	500
F2	2800	2500	2000	1500	500

Oval tubular handles GN 334 (see page 532)								
Size	200	250	300	350	400	500	600	800
F1	1750	1650	1500	1500	1250	1200	1100	700
F2	3000	2400	1750	1750	1500	1350	1000	700

Tubular handles GN 333 (see page 498)							
Size	28-200	28-250	28-300	28-350	28-400	28-500	28-600
F1	2500	2250	2000	1750	1650	1575	1500
F2	4750	4250	3750	3250	2750	2250	1500

Tubular handles GN 333 (see page 498)							
Size	30-200	30-300	30-350	30-400	30-500	30-600	30-1000
F1	2500	2250	2200	2200	2000	1800	750
F2	3500	3400	3200	2850	2250	1900	800

Oval tubular handles GN 334.1 (see page 523)								
Size	200	250	300	350	400	500	600	800
F1	1700	1650	1500	1450	1400	1200	1000	750
F2	3000	2700	2500	2000	1500	1250	1000	750

Tubular handles GN 333.1 (see page 496)						
Size	20-180	20-200	20-250	20-300	20-350	20-400
F1	1600	1500	1400	1250	750	700
F2	2500	2000	1900	1600	1550	1250

Oval tubular handles GN 366 (see page 524)						
Size	200	250	300	400	500	600
F1	2000	2000	2000	1500	1300	900
F2	3500	2800	2250	1600	1450	1150

Tubular handles GN 333 (see page 498)							
Size	28-200	28-250	28-300	28-350	28-400	28-500	28-600
F1	1700	1500	1500	1350	1000	1000	1000
F2	4800	3500	2800	2400	1800	1700	1500

Tubular handles GN 333 (see page 498)							
Size	30-200	30-300	30-350	30-400	30-500	30-600	30-1000
F1	3000	2400	2400	2350	2350	1750	1250
F2	4000	3700	3000	2700	2300	2000	1000

Cabinet "U" handles GN 423 - Type A (see page 444)						
Size	55	88	100	120	180	235
F1	270	250	220	200	180	150
F2	1700	1500	1000	600	500	250



TECHNICAL DATA

Load rating of cabinet U-Handles / tubular handles in metal continued – F1 / F2

Cabinet "U" handles GN 423 – Type B (see page 444)						
Size	55	88	100	120	180	235
F1	270	250	220	200	180	150
F2	1600	1250	800	400	300	200

Arch handles GN 424.1 (see page 449)					
Size	64	96	128	160	192
F1	1300	800	800	700	525
F2	6500	5250	2700	2000	1550

Stainless Steel-Arch handles GN 424.5 (see page 449)					
Size	64	96	128	160	192
F1	1500	900	900	800	600
F2	7500	5750	3000	2250	1750

Cabinet U-Handles, Steel GN 425 (see page 454)							
Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128
F1	475	550	500	500	500	450	500
F2	5000	4300	3300	3000	2800	1750	1250

Size	10-88	10-100	10-120	10-180	10-200	10-235
F1	1300	900	900	700	500	400
F2	4000	3750	3000	2000	1200	1150

Size	12-125	12-160	12-200	12-250
F1	1200	1000	400	200
F2	6000	4000	3000	3400

Size	16-160	16-200	16-250	16-300
F1	1900	1300	1100	800
F2	5000	4000	3500	5750

Cabinet U-Handles, Aluminum GN 425 (see page 454)							
Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128
F1	300	300	300	200	200	200	200
F2	1400	1200	825	750	700	575	450

Size	10-88	10-100	10-120	10-180	10-200	10-235
F1	500	450	400	350	250	250
F2	2000	1500	1000	700	600	500

Size	12-125	12-160	12-200	12-250
F1	400	300	250	200
F2	2000	1000	800	800

Size	16-160	16-200	16-250	16-300
F1	800	750	500	250
F2	2300	2000	1500	1000

Stainless Steel-Cabinet U-Handles GN 425 (see page 454)							
Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128
F1	-	600	850	700	700	700	700
F2	-	4000	3000	2500	2000	1500	1300

Stainless Steel-Cabinet U-Handles GN 425 <i>continued</i>						
Size	10-88	10-100	10-120	10-180	10-200	10-235
F1	1400	1000	1000	700	600	500
F2	4000	3800	3000	2250	1500	1400

Size	12-125	12-160	12-200	12-250
F1	1200	1000	700	500
F2	7000	4500	3000	2500

Size	16-160	16-200	16-250	16-300
F1	1900	1300	1100	800
F2	8500	7000	5000	4000

Cabinet U-Handles, Steel GN 425.1 (see page 458)					
Size	8-55	8-64	8-88	8-96	8-100
F1	500	425	450	375	325
F2	700	600	500	600	400

Size	10-88	10-100	10-120	10-180	10-200
F1	1000	900	900	500	500
F2	2000	1500	1500	750	700

Cabinet U-Handles, Steel GN 425.1 (see page 458)				
Size	12-125	12-160	12-200	12-250
F1	1150	1250	1425	875
F2	1925	1500	1425	1250

Cabinet U-Handles, Aluminum GN 425.1 (see page 458)					
Size	8-55	8-64	8-88	8-96	8-100
F1	400	350	300	250	250
F2	400	400	350	350	350

Size	10-88	10-100	10-120	10-180	10-200
F1	400	450	400	350	250
F2	500	500	500	450	400

Size	12-125	12-160	12-200	12-250
F1	600	600	500	650
F2	725	1050	1000	900

Stainless Steel-Cabinet U-Handles, GN 425.1 (see page 458)					
Size	8-55	8-64	8-88	8-96	8-100
F1	450	500	500	500	500
F2	500	1000	1000	1000	1000

Size	10-88	10-100	10-120	10-180	10-200
F1	1500	1450	1450	500	500
F2	2150	2000	2000	1000	1000

Size	12-125	12-160	12-200	12-250
F1	700	1250	1350	1350
F2	1650	1700	2250	1750



Technical Data

Load rating of cabinet U-Handles / tubular handles in metal continued – F1 / F2

Folding handles, Steel GN 425.2 (see page 466)			
Size	100	120	180
F1	1750	1600	1250
F2	2600	2600	2500

Stainless Steel-Folding handles GN 425.2 (see page 466)			
Size	100	120	180
F1	2000	2000	1750
F2	5000	3500	2250

Folding handles, Steel GN 425.5 (see page 467)			
Size	100	120	180
F1	500	500	500
F2	–	–	–

Stainless Steel-Folding handles GN 425.5 (see page 467)			
Size	100	120	180
F1	500	500	500
F2	–	–	–

Folding handles with recessed tray GN 425.8 (see page 468)		
Size	100	120
F1	1000	1000
F2	5000	5000

Cabinet U-Handles GN 426 (see page 462)								
Size	20–200	20–250	20–300	20–350	28–250	28–300	28–350	28–400
F1	1400	1100	1100	1000	2000	1900	1800	1500
F2	3300	3000	2300	2200	4500	3500	3500	3500

Cabinet U-Handles GN 426.1 (see page 464)					
Size	20–200	20–300	28–250	28–350	28–500
F1	1500	1450	3000	2500	2300
F2	1600	1400	2000	2000	2000

Stainless Steel-Cabinet U-Handles GN 426.5 – Type A (see page 463)								
Size	20–200	20–250	20–300	20–350	28–250	28–300	28–350	28–400
F1	4000	6000	5500	3500	4000	3500	2800	2750
F2	9000	10000	8000	6500	8000	7250	6750	6500

Stainless Steel-Cabinet U-Handles GN 426.5 – Type B (see page 463)								
Size	20–200	20–250	20–300	20–350	28–250	28–300	28–350	28–400
F1	1000	1600	1400	1400	2700	2700	2700	2700
F2	4000	9000	6500	7500	10000	7000	6000	5000

Stainless Steel-Cabinet U-Handles GN 426.6 – Type A (see page 465)					
Size	20–200	20–300	28–250	28–350	28–500
F1	4200	4000	2000	1500	2700
F2	7500	7000	5000	3500	2250

Stainless Steel-Cabinet U-Handles GN 426.6 – Type B (see page 465)					
Size	20–250	20–300	28–250	28–350	28–500
F1	1000	500	1000	1250	1750
F2	1200	1200	1250	1750	1750

Cabinet U-Handles GN 427 (see page 461)							
Size	55	88	100	120	180	200	235
F1	650	600	500	450	300	250	200
F2	1600	1150	1100	1000	550	500	400

Stainless Steel-Cabinet U-Handles GN 427.5 (see page 461)							
Size	55	88	100	120	180	200	235
F1	2400	2100	2000	1800	1250	850	800
F2	6000	5000	3750	3000	1700	1500	1200

Cabinet U-Handles GN 428 – Type A (see page 445)			
Size	28–250	28–300	28–400
F1	1250	2250	1500
F2	4250	2750	2200

Cabinet U-Handles GN 428 – Type B (see page 445)					
Size	36–300	36–400	36–500	36–600	36–800
F1	5750	6250	3750	2500	1750
F2	7500	6750	5750	4000	1000

Cabinet U-Handles GN 428 – Type B (see page 445)			
Size	28–250	28–300	28–400
F1	1500	1250	1250
F2	3500	2750	1750

Cabinet U-Handles GN 428 – Type B (see page 445)					
Size	36–300	36–400	36–500	36–600	36–800
F1	4500	7000	3750	2250	1750
F2	7500	6500	4500	3500	1000

Cabinet U-Handles GN 559 – Type A (see page 448)	
Size	162
F1	5000
F2	8000

Cabinet U-Handles GN 559 – Type B / Type C (see page 448)	
Size	162
F1	1000
F2	2500

Cabinet U-Handles GN 564 (see page 419)				
Size	112	128	160	192
F1	900	900	900	–
F2	1200	1200	1200	–



TECHNICAL DATA

Load rating of cabinet U-Handles / tubular handles in metal continued – F1 / F2

Cabinet U-Handles GN 565 (see page 414)								
Size	20-100	20-112	20-117	20-120	20-128	20-160	20-180	20-200
F1	1250	1250	1250	1250	1250	1200	1250	1250
F2	2100	2200	2200	2200	2200	2000	1750	2000
Size 20-235								
F1	1000							
F2	1250							
Size	26-112	26-117	26-120	26-125	26-128	26-160	26-179	26-192
F1	3000	2900	2900	2800	2800	2800	2400	2300
F2	7000	6000	5500	5000	4500	3500	3250	3000
Size 26-300 26-400 26-500								
F1	1700	1600	1200					
F2	2250	1750	1500					

Cabinet U-Handles GN 565.1 (see page 416)					
Size	20-100	20-112	20-120	20-128	20-160
F1	1000	1200	1500	1000	1100
F2	2500	2400	3250	2300	2000

Cabinet U-Handles GN 565.1 (see page 416)						
Size	26-116	26-120	26-132	26-164	26-179	26-196
F1	2000	3000	2000	2000	1800	1750
F2	5000	6250	4000	3600	3400	3000

Inclined cabinet U-Handles GN 565.2 – Type A (see page 417)				
Size	20-112	20-128	26-128	26-160
F1	1900	1900	2400	2000
F2	2400	2000	5200	4800

Inclined cabinet U-Handles GN 565.2 – Type B (see page 417)		
Size	26-128	26-160
F1	1750	1500
F2	1850	2500

Cabinet U-Handles GN 565.3 (see page 443)		
Size	20-120	20-160
F1	1400	1500
F2	1900	2750

Arch handles GN 565.4 (see page 450)				
Size	20-160	20-192	26-160	26-192
F1	1300	1000	2000	2000
F2	3500	2500	5000	5000

Stainless Steel-Cabinet U-Handles GN 565.5 – Type A (see page 415)							
Size	20-112	20-128	20-160	20-200	20-250	20-300	20-350
F1	4000	3200	3100	3000	2800	2500	2000
F2	7000	6000	4000	3800	3000	3000	2300

Stainless Steel-Cabinet U-Handles GN 565.5 – Type B (see page 415)			
Size	20-112	20-128	20-160
F1	3000	2000	2500
F2	6850	5800	4250

Stainless Steel-Cabinet U-Handles GN 565.7 (see page 418)		
Size	20-112	20-128
F1	5250	5000
F2	7250	3500

Stainless Steel-Arch handles GN 565.9 (see page 451)		
Size	20-160	20-192
F1	4500	2500
F2	4500	2500

Arch handles GN 665 (see page 451)		
Size	26-350	26-450
F1	1200	1100
F2	2700	1550

Tubular handles GN 666 (Tube, Aluminum) (see page 512)							
Size	200	250	300	350	400	500	600
F1	900	850	950	1000	1000	1100	1000
F2	2500	2450	2400	2300	1750	1700	1350

Tubular handles GN 666 (Tube, Stainless Steel) (see page 512)							
Size	200	250	300	350	400	500	600
F1	900	850	950	1000	1000	1100	1000
F2	2500	2450	2400	2300	1750	1700	1350

Tubular handles GN 666.1 (Tube, Aluminum) (see page 513)							
Size	200	250	300	350	400	500	600
F1	1000	1350	1500	1500	1750	1750	1500
F2	5500	5500	5250	4500	4500	3500	2500

Tubular handles GN 666.1 (Tube, Stainless Steel) (see page 513)							
Size	200	250	300	350	400	500	600
F1	1150	1150	1200	1200	1150	1100	1000
F2	3000	3000	2750	2500	2000	1850	1350

Tubular arch handles GN 666.4 (Tube, Aluminum) (see page 525)			
Size	400	500	600
F1	750	750	750
F2	1800	1700	1500



Technical Data

Load rating of cabinet U-Handles / tubular handles in metal continued – F1 / F2

Tubular arch handles GN 666.4 (Tube, Stainless Steel) (see page 525)			
Size	400	500	600
F1	1350	1700	1750
F2	5000	4500	3750

Cabinet U-Handles GN 728 (see page 441)		
Size	120	180
F1	2000	2500
F2	2500	2750

Stainless Steel-Tubular handles GN 666.5 (see page 508)						
Size	200	250	300	400	500	600
F1	2300	2200	2100	2000	1800	1700
F2	4500	4300	4000	3700	3500	2000

Cabinet U-Handles GN 728.5 (see page 441)	
Size	120
F1	2500
F2	5000

Stainless Steel-Tubular handles GN 666.7 (see page 510)						
Size	200	250	300	400	500	600
F1	2300	2200	2100	2000	1800	1700
F2	4500	4400	4000	3600	3500	2000

Cabinet U-Handles M.1043 (see page 514)							
Size	20-180	20-200	20-250	20-300	20-350	20-400	
F1	750	750	600	600	550	500	
F2	2000	2000	2000	1500	1250	1000	
Size	30-300	30-350	30-400	30-500	30-600	30-700	30-1000
F1	1100	1100	750	750	750	625	550
F2	3000	2250	2250	1750	1500	1250	1000

Cabinet U-Handles M.1043 (see page 514)							
Size	20-180	20-200	20-250	20-300	20-350	20-400	
F1	1200	1100	1000	1000	750	700	
F2	4000	3500	3500	2500	2000	1000	
Size	30-300	30-350	30-400	30-500	30-600	30-700	30-1000
F1	1250	1250	1200	1200	1200	900	800
F2	5000	5000	4250	4000	2250	2000	1000

Flat cabinet U-Handles GN 668 – Type A (see page 440)				
Size	20-130	20-170	20-190	20-210
F1	1600	1600	1500	1350
F2	2100	1900	1800	1650

Flat cabinet U-Handles GN 668 – Type B (see page 440)				
Size	20-130	20-170	20-190	20-210
F1	700	650	600	550
F2	2400	2000	1600	1200

System handles GN 669 (see page 507)						
Size	200	250	300	400	500	600
F1	1750	1500	1250	1200	1000	900
F2	3000	2250	2100	2000	1500	1000

