

# 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.



Load capacity  $F_1$   
in N

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  $F_1$  and  $F_2$  respectively. The breaking loads were in most cases multiples above the specified value.



Load capacity  $F_2$   
in N

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 → Page 97

Size	18	20	22	25				
$F_1$	2250	2250	3000	3500				
$F_2$	5500	7500	9750	9750				

## Tubular handles GN 331 → Page 132

Size	30-200	30-300						
$F_1$	3000	2400						
$F_2$	4000	3700						

## Tubular handles GN 332 → Page 138

Size	30-200	30-300						
$F_1$	2500	2250						
$F_2$	3500	3400						

## Tubular handles GN 333 → Page 136

Size	20-200	20-250	20-300	20-350	20-400			
$F_1$	1700	1500	1200	800	500			
$F_2$	2800	2500	2000	1500	500			
Size	28-200	28-250	28-300	28-350	28-400	28-500	28-600	
$F_1$	2500	2250	2000	1750	1650	1575	1500	
$F_2$	4750	4250	3750	3250	2750	2250	1500	
Size	30-200	30-300	30-350	30-400	30-500	30-600	30-1000	
$F_1$	2500	2250	2200	2200	2000	1800	750	
$F_2$	3500	3400	3200	2850	2250	1900	800	

## Tubular handles GN 333.1 → Page 130

Size	20-180	20-200	20-250	20-300	20-350	20-400		
$F_1$	1600	1500	1400	1250	750	700		
$F_2$	2500	2000	1900	1600	1550	1250		
Size	28-200	28-250	28-300	28-350	28-400	28-500	28-600	
$F_1$	1700	1500	1500	1350	1000	1000	1000	
$F_2$	4800	3500	2800	2400	1800	1700	1500	
Size	30-200	30-300	30-350	30-400	30-500	30-600	30-1000	
$F_1$	3000	2400	2400	2350	2350	1750	1250	
$F_2$	4000	3700	3000	2700	2300	2000	1000	



**Tubular handles GN 333.2 → Page 137**

Size	242	292	392	492	592			
F <sub>1</sub>	2400	2200	2000	1900	1600			
F <sub>2</sub>	3700	3200	2400	2200	1650			

**Tubular handles GN 333.3 → Page 131**

Size	242	292	392	492	592			
F <sub>1</sub>	1800	1700	1650	1600	1500			
F <sub>2</sub>	3500	3000	2500	2000	1500			

**Stainless Steel-Tubular handles GN 333.5 → Page 134**

Size	200	250	300	400	500	600		
F <sub>1</sub>	3000	2500	2000	1750	1500	1450		
F <sub>2</sub>	7500	6000	5000	4250	3500	2500		

**Oval tubular handles GN 334 → Page 142**

Size	200	250	300	350	400	500	600	800
F <sub>1</sub>	1750	1650	1500	1500	1250	1200	1100	700
F <sub>2</sub>	3000	2400	1750	1750	1500	1350	1000	700

**Oval tubular handles GN 334.1 → Page 143**

Size	200	250	300	350	400	500	600	800
F <sub>1</sub>	1700	1650	1500	1450	1400	1200	1000	750
F <sub>2</sub>	3000	2700	2500	2000	1500	1250	1000	750

**Oval tubular handles GN 366 → Page 152**

Size	200	250	300	400	500	600		
F <sub>1</sub>	2000	2000	2000	1500	1300	900		
F <sub>2</sub>	3500	2800	2250	1600	1450	1150		

**Cabinet "U" handles GN 423 - Type A → Page 98**

Size	55	88	100	120	180	235		
F <sub>1</sub>	270	250	220	200	180	150		
F <sub>2</sub>	1700	1500	1000	600	500	250		

**Cabinet "U" handles GN 423 - Type B → Page 98**

Size	55	88	100	120	180	235		
F <sub>1</sub>	270	250	220	200	180	150		
F <sub>2</sub>	1600	1250	800	400	300	200		

**Arch handles GN 424.1 → Page 120**

Size	64	96	128	160	192			
F <sub>1</sub>	1300	800	800	700	525			
F <sub>2</sub>	6500	5250	2700	2000	1550			

**Stainless Steel-Arch handles GN 424.5 → Page 120**

Size	64	96	128	160	192			
F <sub>1</sub>	1500	900	900	800	600			
F <sub>2</sub>	7500	5750	3000	2250	1750			

**Cabinet "U" handles, Steel GN 425 → Page 102**

Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128
F <sub>1</sub>	475	550	500	500	500	450	500
F <sub>2</sub>	5000	4300	3300	3000	2800	1750	1250
Size	10-88	10-100	10-120	10-180	10-200	10-235	
F <sub>1</sub>	1300	900	900	700	500	400	
F <sub>2</sub>	4000	3750	3000	2000	1200	1150	
Size	12-125	12-160	12-200	12-250			
F <sub>1</sub>	1200	1000	400	200			
F <sub>2</sub>	6000	4000	3000	3400			
Size	16-160	16-200	16-250	16-300			
F <sub>1</sub>	1900	1300	1100	800			
F <sub>2</sub>	5000	4000	3500	5750			

**Cabinet "U" handles, Aluminum GN 425 → Page 103**

Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128
F <sub>1</sub>	300	300	300	200	200	200	200
F <sub>2</sub>	1400	1200	825	750	700	575	450
Size	10-88	10-100	10-120	10-180	10-200	10-235	
F <sub>1</sub>	500	450	400	350	250	250	
F <sub>2</sub>	2000	1500	1000	700	600	500	
Size	12-125	12-160	12-200	12-250			
F <sub>1</sub>	400	300	250	200			
F <sub>2</sub>	2000	1000	800	800			
Size	16-160	16-200	16-250	16-300			
F <sub>1</sub>	800	750	500	250			
F <sub>2</sub>	2300	2000	1500	1000			

**Stainless Steel-Cabinet "U" handles GN 425 → Page 103**

Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128
F <sub>1</sub>		600	850	700	700	700	700
F <sub>2</sub>		4000	3000	2500	2000	1500	1300
Size	10-88	10-100	10-120	10-180	10-200	10-235	
F <sub>1</sub>	1400	1000	1000	700	600	500	
F <sub>2</sub>	4000	3800	3000	2250	1500	1400	
Size	12-125	12-160	12-200	12-250			
F <sub>1</sub>	1200	1000	700	500			
F <sub>2</sub>	7000	4500	3000	2500			
Size	16-160	16-200	16-250	16-300			
F <sub>1</sub>	1900	1300	1100	800			
F <sub>2</sub>	8500	7000	5000	4000			

**Cabinet "U" handles, Steel GN 425.1 → Page 106**

Size	8-55	8-64	8-88	8-96	8-100		
F <sub>1</sub>	500	425	450	375	325		
F <sub>2</sub>	700	600	500	600	400		
Size	10-88	10-100	10-120	10-180	10-200		
F <sub>1</sub>	1000	900	900	500	500		
F <sub>2</sub>	2000	1500	1500	750	700		



**Cabinet "U" handles, Steel GN 425.1 → Page 106**

Size	12-125	12-160	12-200	12-250				
F <sub>1</sub>	1150	1250	1425	875				
F <sub>2</sub>	1925	1500	1425	1250				

**Cabinet "U" handles, Aluminum GN 425.1 → Page 107**

Size	8-55	8-64	8-88	8-96	8-100			
F <sub>1</sub>	400	350	300	250	250			
F <sub>2</sub>	400	400	350	350	350			
Size	10-88	10-100	10-120	10-180	10-200			
F <sub>1</sub>	400	450	400	350	250			
F <sub>2</sub>	500	500	500	450	400			
Size	12-125	12-160	12-200	12-250				
F <sub>1</sub>	600	600	500	650				
F <sub>2</sub>	725	1050	1000	900				

**Stainless Steel-Cabinet "U" handles GN 425.1 → Page 107**

Size	8-55	8-64	8-88	8-96	8-100			
F <sub>1</sub>	450	500	500	500	500			
F <sub>2</sub>	500	1000	1000	1000	1000			
Size	10-88	10-100	10-120	10-180	10-200			
F <sub>1</sub>	1500	1450	1450	500	500			
F <sub>2</sub>	2150	2000	2000	1000	1000			
Size	12-125	12-160	12-200	12-250				
F <sub>1</sub>	700	1250	1350	1350				
F <sub>2</sub>	1650	1700	2250	1750				

**Folding handles, Steel GN 425.2 → Page 122**

Size	100	120	180					
F <sub>1</sub>	1750	1600	1250					
F <sub>2</sub>	2600	2600	2500					

**Stainless Steel-Folding handles GN 425.2 → Page 122**

Size	100	120	180					
F <sub>1</sub>	2000	2000	1750					
F <sub>2</sub>	5000	3500	2250					

**Folding handles, Steel GN 425.5 → Page 123**

Size	100	120	180					
F <sub>1</sub>	500	500	500					
F <sub>2</sub>	-	-	-					

**Stainless Steel-Folding handles GN 425.5 → Page 123**

Size	100	120	180					
F <sub>1</sub>	500	500	500					
F <sub>2</sub>	-	-	-					

**Folding handles with recessed tray GN 425.8 → Page 124**

Size	100	120						
F <sub>1</sub>	1000	1000						
F <sub>2</sub>	5000	5000						

**Cabinet "U" handles GN 426 → Page 108**

Size	20-200	20-250	20-300	20-350	28-250	28-300	28-350	28-400
F <sub>1</sub>	1400	1100	1100	1000	2000	1900	1800	1500
F <sub>2</sub>	3300	3000	2300	2200	4500	3500	3500	3500

**Cabinet "U" handles GN 426.1 → Page 114**

Size	20-200	20-300	28-250	28-350	28-500			
F <sub>1</sub>	1500	1450	3000	2500	2300			
F <sub>2</sub>	1600	1400	2000	2000	2000			

**Stainless Steel-Cabinet "U" handles GN 426.5 - Type A → Page 109**

Size	20-200	20-250	20-300	20-350	28-250	28-300	28-350	28-400
F <sub>1</sub>	4000	6000	5500	3500	4000	3500	2800	2750
F <sub>2</sub>	9000	10000	8000	6500	8000	7250	6750	6500

**Stainless Steel-Cabinet "U" handles GN 426.5 - Type B → Page 109**

Size	20-200	20-250	20-300	20-350	28-250	28-300	28-350	28-400
F <sub>1</sub>	1000	1600	1400	1400	2700	2700	2700	2700
F <sub>2</sub>	4000	9000	6500	7500	10000	7000	6000	5000

**Stainless Steel-Cabinet "U" handles GN 426.6 - Type A → Page 115**

Size	20-200	20-300	28-250	28-350	28-500			
F <sub>1</sub>	4200	4000	2000	1500	2700			
F <sub>2</sub>	7500	7000	5000	3500	2250			

**Stainless Steel-Cabinet "U" handles GN 426.6 - Type B → Page 115**

Size	20-250	20-300	28-250	28-350	28-500			
F <sub>1</sub>	1000	500	1000	1250	1750			
F <sub>2</sub>	1200	1200	1250	1750	1750			

**Cabinet "U" handles GN 427 → Page 100**

Size	55	88	100	120	180	200	235	
F <sub>1</sub>	650	600	500	450	300	250	200	
F <sub>2</sub>	1600	1150	1100	1000	550	500	400	

**Stainless Steel-Cabinet "U" handles GN 427.5 → Page 100**

Size	55	88	100	120	180	200	235	
F <sub>1</sub>	2400	2100	2000	1800	1250	850	800	
F <sub>2</sub>	6000	5000	3750	3000	1700	1500	1200	

**Cabinet "U" handles GN 428 - Type A → Page 117**

Size	28-250	28-300	28-400					
F <sub>1</sub>	1250	2250	1500					
F <sub>2</sub>	4250	2750	2200					
Size	36-300	36-400	36-500	36-600	36-800			
F <sub>1</sub>	5750	6250	3750	2500	1750			
F <sub>2</sub>	7500	6750	5750	4000	1000			

**Cabinet "U" handles GN 428 - Type B → Page 117**

Size	28-250	28-300	28-400					
F <sub>1</sub>	1500	1250	1250					
F <sub>2</sub>	3500	2750	1750					
Size	36-300	36-400	36-500	36-600	36-800			
F <sub>1</sub>	4500	7000	3750	2250	1750			
F <sub>2</sub>	7500	6500	4500	3500	1000			

**Cabinet "U" handle GN 559 - Type A → Page 94**

Size	162							
F <sub>1</sub>	5000							
F <sub>2</sub>	8000							

**Cabinet "U" handle GN 559 - Type B / Type C → Page 94**

Size	162							
F <sub>1</sub>	1000							
F <sub>2</sub>	2500							

**Cabinet "U" handles GN 564 → Page 83**

Size	112	128	160					
F <sub>1</sub>	900	900	900					
F <sub>2</sub>	1200	1200	1200					

**Cabinet "U" handles GN 565 → Page 80**

Size	20-100	20-112	20-117	20-120	20-128	20-160	20-180	20-200
F <sub>1</sub>	1250	1250	1250	1250	1250	1200	1250	1250
F <sub>2</sub>	2100	2200	2200	2200	2200	2000	1750	2000
Size	20-235							
F <sub>1</sub>	1000							
F <sub>2</sub>	1250							
Size	26-112	26-117	26-120	26-125	26-128	26-160	26-179	26-192
F <sub>1</sub>	3000	2900	2900	2800	2800	2800	2400	2300
F <sub>2</sub>	7000	6000	5500	5000	4500	3500	3250	3000
Size	26-300	26-400	26-500					
F <sub>1</sub>	1700	1600	1200					
F <sub>2</sub>	2250	1750	1500					

**Cabinet "U" handles GN 565.1 → Page 81**

Size	20-100	20-112	20-120	20-128	20-160			
F <sub>1</sub>	1250	1200	1100	1000	1000			
F <sub>2</sub>	2500	2400	2400	2300	2000			

**Cabinet "U" handles GN 565.1 → Page 81**

Size	26-116	26-120	26-132	26-164	26-179	26-196		
F <sub>1</sub>	2000	2000	2000	2000	1800	1750		
F <sub>2</sub>	6500	6250	4000	3600	3400	3000		

**Inclined cabinet "U" handles GN 565.2 - Type A → Page 86**

Size	20-112	20-128	26-128	26-160				
F <sub>1</sub>	1900	1900	2400	2000				
F <sub>2</sub>	2400	2000	5200	4800				

**Inclined cabinet "U" handles GN 565.2 - Type B → Page 86**

Size	26-128	26-160						
F <sub>1</sub>	1750	1500						
F <sub>2</sub>	1850	2500						

**Cabinet "U" handles GN 565.3 → Page 93**

Size	20-120	20-160						
F <sub>1</sub>	1400	1500						
F <sub>2</sub>	1900	2750						

**Arch handles GN 565.4 → Page 118**

Size	20-160	20-192	26-160	26-192				
F <sub>1</sub>	1300	1000	2000	2000				
F <sub>2</sub>	3500	2500	5000	5000				

**Stainless Steel-Cabinet "U" handles GN 565.5 - Type A → Page 82**

Size	20-112	20-128	20-160	20-200	20-250	20-300	20-350	20-400
F <sub>1</sub>	4000	3200	3100	3000	2800	2500	2000	1500
F <sub>2</sub>	7000	6000	4000	3800	3000	3000	2300	1500

**Stainless Steel-Cabinet "U" handles GN 565.5 - Type B → Page 82**

Size	20-112	20-128	20-160					
F <sub>1</sub>	3000	2000	2500					
F <sub>2</sub>	6850	5800	4250					

**Stainless Steel-Cabinet "U" handles GN 565.7 → Page 87**

Size	20-112	20-128						
F <sub>1</sub>	5250	5000						
F <sub>2</sub>	7250	3500						

**Stainless Steel-Arch handles GN 565.9 → Page 118**

Size	20-160	20-192						
F <sub>1</sub>	4500	2500						
F <sub>2</sub>	4500	2500						

**Arch handles GN 665 → Page 119**

Size	26-350	26-450						
F <sub>1</sub>	1200	1100						
F <sub>2</sub>	2700	1550						



**Tubular handles GN 666 (Tube, Aluminum) → Page 146**

Size	200	250	300	350	400	500	600
F <sub>1</sub>	900	850	950	1000	1000	1100	1000
F <sub>2</sub>	2500	2450	2400	2300	1750	1700	1350

**Tubular handles GN 666 (Tube, Stainless Steel) → Page 146**

Size	200	250	300	350	400	500	600
F <sub>1</sub>	900	850	950	1000	1000	1100	1000
F <sub>2</sub>	2500	2450	2400	2300	1750	1700	1350

**Tubular handles GN 666.1 (Tube, Aluminum) → Page 147**

Size	200	250	300	350	400	500	600
F <sub>1</sub>	1000	1350	1500	1500	1750	1750	1500
F <sub>2</sub>	5500	5500	5250	4500	4500	3500	2500

**Tubular handles GN 666.1 (Tube, Stainless Steel) → Page 147**

Size	200	250	300	350	400	500	600
F <sub>1</sub>	1150	1150	1200	1200	1150	1100	1000
F <sub>2</sub>	3000	3000	2750	2500	2000	1850	1350

**Tubular arch handles GN 666.4 (Tube, Aluminum) → Page 148**

Size	400	500	600
F <sub>1</sub>	750	750	750
F <sub>2</sub>	1800	1700	1500

**Tubular arch handles GN 666.4 (Tube, Stainless Steel) → Page 148**

Size	400	500	600
F <sub>1</sub>	1350	1700	1750
F <sub>2</sub>	5000	4500	3750

**Stainless Steel-Tubular handles GN 666.5 → Page 150**

Size	200	250	300	400	500	600
F <sub>1</sub>	2300	2200	2100	2000	1800	1700
F <sub>2</sub>	4500	4300	4000	3700	3500	2000

**Stainless Steel-Tubular handles GN 666.7 → Page 150**

Size	200	250	300	400	500	600
F <sub>1</sub>	2300	2200	2100	2000	1800	1700
F <sub>2</sub>	4500	4400	4000	3600	3500	2000

**Cabinet "U" handles GN 667 (Tube, Aluminum) → Page 140**

Size	20-180	20-200	20-250	20-300	20-350	20-400	
F <sub>1</sub>	750	750	600	600	550	500	
F <sub>2</sub>	2000	2000	2000	1500	1250	1000	
Size	30-300	30-350	30-400	30-500	30-600	30-700	30-1000
F <sub>1</sub>	1100	1100	750	750	750	625	550
F <sub>2</sub>	3000	2250	2250	1750	1500	1250	1000



**Cabinet "U" handles GN 667 (Tube, Stainless Steel) → Page 140**

Size	20-180	20-200	20-250	20-300	20-350	20-400		
F <sub>1</sub>	1200	1100	1000	1000	750	700		
F <sub>2</sub>	4000	3500	3500	2500	2000	1000		
Size	30-300	30-350	30-400	30-500	30-600	30-700	30-1000	
F <sub>1</sub>	1250	1250	1200	1200	1200	900	800	
F <sub>2</sub>	5000	5000	4250	4000	2250	2000	1000	

**Flat cabinet "U" handles GN 668 - Type A → Page 95**

Size	20-130	20-170	20-190	20-210				
F <sub>1</sub>	1600	1600	1500	1350				
F <sub>2</sub>	2100	1900	1800	1650				

**Flat cabinet "U" handles GN 668 - Type B → Page 95**

Size	20-130	20-70	20-190	20-210				
F <sub>1</sub>	700	650	600	550				
F <sub>2</sub>	2400	2000	1600	1200				

**System handles GN 669 → Page 144**

Size	200	250	300	400	500	600		
F <sub>1</sub>	1750	1500	1250	1200	1000	900		
F <sub>2</sub>	3000	2250	2100	2000	1500	1000		

**Cabinet "U" handles GN 728 → Page 92**

Size	120	180						
F <sub>1</sub>	2000	2500						
F <sub>2</sub>	2500	2750						

**Cabinet "U" handles GN 728.5 → Page 92**

Size	120							
F <sub>1</sub>	2500							
F <sub>2</sub>	5000							

