

Load rating of cabinet "U" handles / tubular handles in metal

in ascending order of the standard numbers



Extensive test series 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 L_1 and L_2 respectively. The breaking loads were in most cases multiples above the specified value.

Note:

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Load capacity L_1 in N



Load capacity L_2 in N

Tubular handles GN 331 → Page 100

Size	30-200	30-300					
L_1	3000	2400					
L_2	4000	3700					

Tubular handles GN 332 → Page 106

Size	30-200	30-300					
L_1	2500	2250					
L_2	3500	3400					

Tubular handles GN 333 → Page 102

Size	28-200	28-250	28-300	28-350	28-400	28-500	28-600	
L_1	2500	2250	2000	1750	1650	1575	1500	
L_2	4750	4250	3750	3250	2750	2250	1500	
Size	30-200	30-300	30-350	30-400	30-500	30-600	30-1000	
L_1	2500	2250	2200	2200	2000	1800	750	
L_2	3500	3400	3200	2850	2250	1900	800	

Tubular handles GN 333.1 → Page 96

Size	20-180	20-200	20-250	20-300	20-350	20-400		
L_1	1600	1500	1400	1250	750	700		
L_2	2500	2000	1900	1600	1550	1250		
Size	28-200	28-250	28-300	28-350	28-400	28-500	28-600	
L_1	1700	1500	1500	1350	1000	1000	1000	
L_2	4800	3500	2800	2400	1800	1700	1500	
Size	30-200	30-300	30-350	30-400	30-500	30-600	30-1000	
L_1	3000	2400	2400	2350	2350	1750	1250	
L_2	4000	3700	3000	2700	2300	2000	1000	

Tubular handles GN 333.2 → Page 104

Size	242	292	392	492	592			
L_1	2400	2200	2000	1900	1600			
L_2	3700	3200	2400	2200	1650			

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Tubular handles GN 333.3 → Page 99								
Size	242	292	392	492	592			
L ₁	1800	1700	1650	1600	1500			
L ₂	3500	3000	2500	2000	1500			

Stainless Steel-Tubular handles GN 333.5 → Page 98							
Size	200	250	300	400	500	600	
L ₁	3000	2500	2000	1750	1500	1450	
L ₂	7500	6000	5000	4250	3500	2500	

Oval tubular handles GN 334 → Page 114								
Size	200	250	300	350	400	500	600	800
L ₁	1750	1650	1500	1500	1250	1200	1100	700
L ₂	3000	2400	1750	1750	1500	1350	1000	700

Oval tubular handles GN 334.1 → Page 115								
Size	200	250	300	350	400	500	600	800
L ₁	1700	1650	1500	1450	1400	1200	1000	750
L ₂	3000	2700	2500	2000	1500	1250	1000	750

Oval tubular handles GN 366 → Page 117							
Size	200	250	300	400	500	600	
L ₁	2000	2000	2000	1500	1300	900	
L ₂	3500	2800	2250	1600	1450	1150	

Arch handles GN 424.1 → Page 85					
Size	64	96	128	160	192
L ₁	1300	800	800	700	525
L ₂	6500	5250	2700	2000	1550

Stainless Steel-Arch handles GN 424.5 → Page 85					
Size	64	96	128	160	192
L ₁	1500	900	900	800	600
L ₂	7500	5750	3000	2250	1750

Cabinet "U" handles, Steel GN 425 → Page 80							
Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128
L ₁	475	550	500	500	500	450	500
L ₂	5000	4300	3300	3000	2800	1750	1250
Size	10-88	10-100	10-120	10-180	10-200	10-235	
L ₁	1300	900	900	700	500	400	
L ₂	4000	3750	3000	2000	1200	1150	

Stainless Steel-Cabinet "U" handles GN 425 → Page 82						
Size	8-64	8-88	8-96	8-100	8-120	8-128
L ₁	600	850	700	700	700	700
L ₂	4000	3000	2500	2000	1500	1300
Size	10-88	10-100	10-120	10-180	10-200	10-235
L ₁	1400	1000	1000	700	600	500
L ₂	4000	3800	3000	2250	1500	1400



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Load capacity L_1 in N



Load capacity L_2 in N

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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 L_1 and L_2 respectively. The breaking loads were in most cases multiples above the specified value.

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Cabinet "U" handles, Steel GN 425.1 → Page 86			
Size	88	100	120
L_1	1000	900	900
L_2	2000	1500	1500

Stainless Steel-Cabinet "U" handles GN 425.1 → Page 86			
Size	88	100	120
L_1	1500	1450	1450
L_2	2150	2000	2000

Folding handles, Steel GN 425.2 → Page 87			
Size	100	120	180
L_1	1750	1600	1250
L_2	2600	2600	2500

Stainless Steel-Folding handles GN 425.2 → Page 87			
Size	100	120	180
L_1	2000	2000	1750
L_2	5000	3500	2250

Folding handles with recessed tray, Steel GN 425.8 → Page 88			
Size	100	120	
L_1	1000	1000	
L_2	5000	5000	

Folding handles with recessed tray, Stainless Steel GN 425.8 → Page 88			
Size	100	120	
L_1	1000	1000	
L_2	5000	5000	

Folding handles, Steel GN 425.5 → Page 90			
Size	100	120	180
L_1	500	500	500
L_2	-	-	-

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Stainless Steel-Folding handles GN 425.5 → Page 90								
Size	100	120	180					
L ₁	500	500	500					
L ₂	-	-	-					

Cabinet "U" handles GN 425.6 → Page 80								
Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128	
L ₁	300	300	300	200	200	200	200	
L ₂	1400	1200	825	750	700	575	450	
Size	10-88	10-100	10-120	10-180	10-200	10-235		
L ₁	500	450	400	350	250	250		
L ₂	2000	1500	1000	700	600	500		

Cabinet "U" handles GN 426 → Page 92								
Size	20-200	20-250	20-300	20-350	28-250	28-300	28-350	28-400
L ₁	1400	1100	1100	1000	2000	1900	1800	1500
L ₂	3300	3000	2300	2200	4500	3500	3500	3500

Cabinet "U" handles GN 426.1 → Page 93								
Size	20-200	20-300	28-250	28-350	28-500			
L ₁	1500	1450	3000	2500	2300			
L ₂	1600	1400	2000	2000	2000			

Stainless Steel-Cabinet "U" handles GN 426.5 - Type A → Page 95								
Size	28-250	28-300	28-400					
L ₁	4000	3500	2750					
L ₂	8000	7250	6500					

Stainless Steel-Cabinet "U" handles GN 426.5 - Type B → Page 95								
Size	28-250	28-300	28-400					
L ₁	2700	2700	2700					
L ₂	10000	7000	5000					

Cabinet "U" handles GN 427 → Page 91								
Size	55	88	100	120	180	200	235	
L ₁	650	600	500	450	300	250	200	
L ₂	1600	1150	1100	1000	550	500	400	

Stainless Steel-Cabinet "U" handles GN 427.5 → Page 91								
Size	55	88	100	120	180	200	235	
L ₁	2400	2100	2000	1800	1250	850	800	
L ₂	6000	5000	3750	3000	1700	1500	1200	



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Load capacity L_1 in N



Load capacity L_2 in N

Cabinet "U" handles GN 559 - Type A → Page 76								
Size	162							
L_1	5000							
L_2	8000							

Cabinet "U" handles GN 559 - Type B → Page 76								
Size	162							
L_1	1000							
L_2	2500							

Cabinet "U" handles GN 564 → Page 69								
Size	112	128	160					
L_1	900	900	900					
L_2	1200	1200	1200					

Cabinet "U" handles GN 565 → Page 60								
Size	20-100	20-112	20-117	20-120	20-128	20-160		
L_1	1250	1250	1250	1250	1250	1200		
L_2	2100	2200	2200	2200	2200	2000		
Size	26-112	26-117	26-120	26-125	26-128	26-160	26-179	26-192
L_1	3000	2900	2900	2800	2800	2800	2400	2300
L_2	7000	6000	5500	5000	4500	3500	3250	3000
Size	26-300	26-400	26-500					
L_1	1700	1600	1200					
L_2	2250	1750	1500					

Cabinet "U" handles GN 565.1 → Page 61								
Size	20-100	20-112	20-128	20-160	26-116	26-132	26-164	26-196
L_1	1000	1200	1000	1100	2000	2000	2000	1750
L_2	2500	2400	2300	2000	5000	4000	3600	3000

Inclined cabinet "U" handles GN 565.2 → Page 64								
Size	20-112	20-128	26-128	26-160				
L_1	1900	1900	2400	2000				
L_2	2400	2000	5200	4800				

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Cabinet "U" handles GN 565.3 → Page 74								
Size	20-120							
L ₁	1400							
L ₂	1900							

Arch handles GN 565.4 → Page 65								
Size	20-160	20-192	26-160	26-192				
L ₁	1300	1000	2000	2000				
L ₂	3500	2500	5000	5000				

Stainless Steel-Cabinet "U" handles GN 565.5 → Page 63								
Size	20-112	20-128	20-160	20-200	20-250	20-300	20-350	20-400
L ₁	4000	3200	3100	3000	2800	2500	2000	1500
L ₂	7000	6000	4000	3800	3000	3000	2300	1500

Arch handles GN 665 → Page 121								
Size	26-350	26-450						
L ₁	1200	1100						
L ₂	2700	1550						

Tubular handles GN 666 (Tube, Aluminium) → Page 109								
Size	200	250	300	350	400	500	600	
L ₁	900	850	950	1000	1000	1100	1000	
L ₂	2500	2450	2400	2300	1750	1700	1350	

Tubular handles GN 666 (Tube, Stainless Steel) → Page 109								
Size	200	250	300	350	400	500	600	
L ₁	900	850	950	1000	1000	1100	1000	
L ₂	2500	2450	2400	2300	1750	1700	1350	

Tubular handles GN 666.1 (Tube, Aluminium) → Page 110								
Size	200	250	300	350	400	500	600	
L ₁	1000	1350	1500	1500	1750	1750	1500	
L ₂	5500	5500	5250	4500	4500	3500	2500	

Tubular handles GN 666.1 (Tube Stainless Steel) → Page 110								
Size	200	250	300	350	400	500	600	
L ₁	1150	1150	1200	1200	1150	1100	1000	
L ₂	3000	3000	2750	2500	2000	1850	1350	

Tubular arch handles GN 666.4 (Tube, Aluminium) → Page 120								
Size	400	500	600					
L ₁	750	750	750					
L ₂	1800	1700	1500					

Tubular arch handles GN 666.4 (Tube, Stainless Steel) → Page 120								
Size	400	500	600					
L ₁	1350	1700	1750					
L ₂	5000	4500	3750					



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Load capacity L₁ in N



Load capacity L₂ in N

Stainless Steel-Tubular handles GN 666.5 → Page 112

Size	200	250	300	400	500	600		
L ₁	2300	2200	2100	2000	1800	1700		
L ₂	4500	4300	4000	3700	3500	2000		

Stainless Steel-Tubular handles GN 666.7 → Page 112

Size	200	250	300	400	500	600		
L ₁	2300	2200	2100	2000	1800	1700		
L ₂	4500	4400	4000	3600	3500	2000		

Cabinet "U" handles GN 667 (Tube, Aluminium) → Page 108

Size	20-180	20-200	20-250	20-300	20-350	20-400		
L ₁	750	750	600	600	550	500		
L ₂	2000	2000	2000	1500	1250	1000		

Cabinet "U" handles GN 667 (Tube, Aluminium) → Page 108

Size	30-300	30-350	30-400	30-500	30-600	30-700	30-1000	
L ₁	1100	1100	750	750	750	625	550	
L ₂	3000	2250	2250	1750	1500	1250	1000	

Cabinet "U" handles GN 667 (Tube, Stainless Steel) → Page 108

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

Flat cabinet "U" handles GN 668 - Type A → Page 75

Size	130	170	190	210				
L ₁	1600	1600	1500	1350				
L ₂	2100	1900	1800	1650				

Flat cabinet "U" handles GN 668 - Type B → Page 75

Size	130	170	190	210				
L ₁	700	650	600	550				
L ₂	2400	2000	1600	1200				

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System handles GN 669 → Page 118								
Size	200	250	300	400	500	600		
L ₁	1750	1500	1250	1200	1000	900		
L ₂	3000	2250	2100	2000	1500	1000		

Cabinet "U" handles GN 728 → Page 73								
Size	120	180						
L ₁	2000	2500						
L ₂	2500	2750						

Stainless Steel-Cabinet "U" handles GN 728.5 → Page 73								
Size	120							
L ₁	2500							
L ₂	5000							

