



Load capacity F_1
in N



Load capacity F_2
in N

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 F_1 and F_2 respectively. The tensile strengths 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 → Page 140								
Size	18	20	22	25				
F_1	2250	2250	3000	3500				
F_2	5500	7500	9750	9750				

Cabinet U-Handles GN 328 → Page 162								
Size	120	140						
F_1	1800	1000						
F_2	5000	4500						

Cabinet U-Handles GN 328.5 → Page 162								
Size	120	140						
F_1	2500	2000						
F_2	4500	4000						

Tubular Handles GN 331 → Page 184								
Size	30-200	30-300						
F_1	3000	2400						
F_2	4000	3700						

Tubular Handles GN 332 → Page 190								
Size	30-200	30-300						
F_1	2500	2250						
F_2	3500	3400						

Tubular Handles GN 333 → Page 186								
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 180

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 189

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

Tubular Handles GN 333.3 → Page 182

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

Tubular Handles GN 333.6 → Page 187

Size	200	250	300	400	500	600		
F ₁	5500	5000	4500	3900	3500	2300		
F ₂	7500	7000	5500	4500	3900	2500		

Tubular Handles GN 333.7 → Page 181

Size	200	250	300	400	500	600		
F ₁	6000	5500	5000	4000	3700	2500		
F ₂	8000	7500	7000	5000	4700	3200		

Oval Tubular Handles GN 334 → Page 196

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

Oval Tubular Handles GN 334.1 → Page 197

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

Oval Tubular Handles GN 335 → Page 198

Size	200	250	300	350	400	500	600	800
F ₁	1500	1400	1300	1200	1100	1000	900	800
F ₂	2800	2600	2300	2000	1600	1300	1000	600

Oval Tubular Handles GN 366 → Page 208

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



Cabinet U-Handles GN 422 → Page 128

Size	T1	T2						
F ₁	2900	2900						
F ₂	5400	5400						

Cabinet U-Handles GN 422.1 → Page 127

Size	117	148	172					
F ₁	1500	1400	1200					
F ₂	5000	3500	3000					

U-Handles GN 423 (Type A) → Page 142

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

U-Handles GN 423 (Type B) → Page 142

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

Arch Handles GN 424.1 → Page 167

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

Arch Handles GN 424.5 → Page 167

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

Cabinet U-Handles GN 425 (Steel) → Page 146

Size	6-32	6-45	6-55	6-64	6-88			
F ₁	250	250	250	250	250			
F ₂	7500	3000	2500	1800	1000			
Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128	
F ₁	475	550	500	500	500	450	500	
F ₂	5000	4300	3300	3000	2800	1750	1250	
Size	10-88	10-100	10-120	10-180	10-200	10-235		
F ₁	1300	900	900	700	500	400		
F ₂	4000	3750	3000	2000	1200	1150		
Size	12-125	12-160	12-200	12-250				
F ₁	1200	1000	400	200				
F ₂	6000	4000	3000	3400				
Size	16-160	16-200	16-250	16-300				
F ₁	1900	1300	1100	800				
F ₂	5000	4000	3500	5750				

Cabinet U-Handles GN 425 (Aluminum) → Page 147

Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128	
F ₁	300	300	300	200	200	200	200	
F ₂	1400	1200	825	750	700	575	450	

Cabinet U-Handles GN 425 (Aluminum) → Page 147

Size	10-88	10-100	10-120	10-180	10-200	10-235		
F ₁	500	450	400	350	250	250		
F ₂	2000	1500	1000	700	600	500		
Size	12-125	12-160	12-200	12-250				
F ₁	400	300	250	200				
F ₂	2000	1000	800	800				
Size	16-160	16-200	16-250	16-300				
F ₁	800	750	500	250				
F ₂	2300	2000	1500	1000				

Cabinet U-Handles GN 425 (Stainless Steel) → Page 147

Size	6-32	6-45	6-55	6-64	6-88			
F ₁	350	500	380	430	250			
F ₂	7600	4100	2800	2000	1000			
Size	8-55	8-64	8-88	8-96	8-100	8-120	8-128	
F ₁	-	600	850	700	700	700	700	
F ₂	-	4000	3000	2500	2000	1500	1300	
Size	10-88	10-100	10-120	10-180	10-200	10-235		
F ₁	1400	1000	1000	700	600	500		
F ₂	4000	3800	3000	2250	1500	1400		
Size	12-125	12-160	12-200	12-250				
F ₁	1200	1000	700	500				
F ₂	7000	4500	3000	2500				
Size	16-160	16-200	16-250	16-300				
F ₁	1900	1300	1100	800				
F ₂	8500	7000	5000	4000				

Cabinet U-Handles GN 425.1 (Steel) → Page 152

Size	8-55	8-64	8-88	8-96	8-100			
F ₁	500	425	450	375	325			
F ₂	700	600	500	600	400			
Size	10-88	10-100	10-120	10-180	10-200			
F ₁	1000	900	900	500	500			
F ₂	2000	1500	1500	750	700			
Size	12-125	12-160	12-200	12-250				
F ₁	1150	1250	1425	875				
F ₂	1925	1500	1425	1250				

Cabinet U-Handles GN 425.1 (Aluminum) → Page 153

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



Cabinet U-Handles GN 425.1 (Stainless Steel) → Page 153

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

Folding Handles GN 425.2 (Steel) → Page 172

Size	10-100	10-120	10-180					
F ₁	1750	1600	1250					
F ₂	2600	2600	2500					

Folding Handles GN 425.2 (Stainless Steel) → Page 172

Size	6-55	6-64	6-88	10-100	10-120	10-180		
F ₁	600	550	400	2000	2000	1750		
F ₂	2500	1300	1000	5000	3500	2250		

Folding Handles GN 425.5 → Page 173

Size	100	120	180					
F ₁	500	500	500					
F ₂	-	-	-					

Folding Handles GN 425.5 (Stainless Steel) → Page 173

Size	100	120	180					
F ₁	500	500	500					
F ₂	-	-	-					

Folding Handles with Recessed Tray GN 425.8 → Page 176

Size	100	120						
F ₁	1000	1000						
F ₂	5000	5000						

Folding Handle GN 425.9 (Stainless Steel) → Page 174

Size	120							
F ₁	450							
F ₂	1000							

Cabinet U-Handles GN 426 → Page 154

Size	20-200	20-250	20-300	20-350	28-250	28-300	28-350	28-400
F ₁	1400	1100	1100	1000	4000	3200	3000	2500
F ₂	3300	3000	2300	2200	5500	5000	5000	5000

Cabinet U-Handles GN 426.1 → Page 158

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

Cabinet U-Handles GN 426.5 (Type A) → Page 155

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

Cabinet U-Handles GN 426.5 (Type B) → Page 155

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

Cabinet U-Handles GN 426.6 (Type A) → Page 159

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

Cabinet U-Handles GN 426.6 (Type B) → Page 159

Size	20-250	20-300	28-250	28-350	28-500				
F ₁	1000	500	1000	1250	1750				
F ₂	1200	1200	1250	1750	1750				

Cabinet U-Handles GN 427 → Page 144

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

Cabinet U-Handles GN 427.5 → Page 144

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

Cabinet U-Handles GN 428 (Type A) → Page 163

Size	28-200	28-250	28-300	28-400					
F ₁	2000	1250	2250	1500					
F ₂	5000	4250	2750	2200					
Size	36-300	36-400	36-500	36-600	36-800				
F ₁	5750	6250	3750	2500	1750				
F ₂	7500	6750	5750	4000	1000				

Cabinet U-Handles GN 428 (Type B) → Page 163

Size	28-200	28-250	28-300	28-400					
F ₁	2000	1500	1250	1250					
F ₂	5000	3500	2750	1750					
Size	36-300	36-400	36-500	36-600	36-800				
F ₁	4500	7000	3750	2250	1750				
F ₂	7500	6500	4500	3500	1000				

Cabinet U-Handles GN 429 → Page 156

Size	12-125	12-160	12-200	16-160	16-200	16-250	20-200	20-250	20-300
F ₁	400	400	400	1600	1600	1600	3000	3000	3000
F ₂	5500	4500	2500	7500	5500	4000	20000	14000	10000



Cabinet U-Handles GN 435 → Page 148

Size	12-125-75	12-125-110	12-160-75	12-160-110	12-200-75	12-200-110		
F ₁	550	400	500	300	450	250		
F ₂	7000	7000	4500	4500	3000	3000		
Size	16-160-85	16-160-125	16-200-85	16-200-125	16-300-85	16-300-125		
F ₁	1500	800	750	700	800	800		
F ₂	8500	8500	6000	7000	3000	4000		

Cabinet U-Handle GN 559 (Type A) → Page 126

Size	162							
F ₁	5000							
F ₂	8000							

Cabinet U-Handle GN 559 (Type B / Type C) → Page 126

Size	162							
F ₁	1000							
F ₂	2500							

Cabinet U-Handles GN 564 → Page 109

Size	25-112	25-128	25-160	25-192	35-160	35-192	35-300	
F ₁	500	500	500	500	1200	1200	1200	
F ₂	3000	2500	1800	1400	3500	3000	2000	

Cabinet U-Handles GN 565 → Page 106

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

Cabinet U-Handles GN 565.1 → Page 107

Size	20-100	20-112	20-117	20-120	20-128	20-160		
F ₁	1250	1200	1200	1100	1000	1000		
F ₂	2500	2400	2400	2400	2300	2000		
Size	26-116	26-120	26-132	26-164	26-179	26-196		
F ₁	2000	2000	2000	2000	1800	1750		
F ₂	6500	6250	4000	3600	3400	3000		

Inclined Cabinet U-Handles GN 565.2 (Type A) → Page 114

Size	20-112	20-128	26-128	26-160				
F ₁	1900	1900	2400	2000				
F ₂	2400	2000	5200	4800				

Inclined Cabinet U-Handles GN 565.2 (Type B) → Page 114

Size	26-128	26-160						
F ₁	1750	1500						
F ₂	1850	2500						

Cabinet U-Handles GN 565.3 → Page 125

Size	20-120	20-160						
F ₁	1400	1500						
F ₂	1900	2750						

Arch Handles GN 565.4 → Page 164

Size	20-160	20-192	26-160	26-192				
F ₁	1300	1000	2000	2000				
F ₂	3500	2500	5000	5000				

Cabinet U-Handles GN 565.5 (Type A) → Page 108

Size	20-112	20-128	20-160	20-200	20-250	20-300	20-350	20-400
F ₁	4000	3200	3100	3000	2800	2500	2000	1500
F ₂	7000	6000	4000	3800	3000	3000	2300	1500
Size	26-128	26-160	26-200	26-300	26-400	26-500		
F ₁	5000	4000	4000	3000	2000	2000		
F ₂	15000	10000	6000	2000	2000	2000		

Cabinet U-Handles GN 565.5 (Type B) → Page 108

Size	20-112	20-128	20-160	26-128	26-160	26-200		
F ₁	3000	2000	2500	4000	4000	5000		
F ₂	6850	5800	4250	15000	12000	8000		

Cabinet U-Handles GN 565.7 → Page 115

Size	20-112	20-128	26-128	26-160				
F ₁	5250	5000	5000	4500				
F ₂	7250	3500	6000	7000				

Cabinet U-Handles GN 565.9 → Page 164

Size	20-160	20-192						
F ₁	4500	2500						
F ₂	4500	2500						

Arch Handles GN 665 → Page 166

Size	26-350	26-450						
F ₁	1200	1100						
F ₂	2700	1550						

Tubular Handles GN 666 (Aluminum Tube) → Page 202

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

Tubular Handles GN 666 (Stainless Steel Tube) → Page 202

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



Tubular Handles GN 666.1 (Aluminum Tube) → Page 203

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

Tubular Handles GN 666.1 (Stainless Steel Tube) → Page 203

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

Tubular Arch Handles GN 666.4 (Aluminum Tube) → Page 204

Size	400	500	600					
F ₁	750	750	750					
F ₂	1800	1700	1500					

Tubular Arch Handles GN 666.4 (Stainless Steel Tube) → Page 204

Size	400	500	600					
F ₁	1350	1700	1750					
F ₂	5000	4500	3750					

Tubular Handles GN 666.5 → Page 206

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

Tubular Handles GN 666.7 → Page 206

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

Cabinet U-Handles GN 667 (Aluminum Tube) → Page 192

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

Cabinet U-Handles GN 667 (Stainless Steel Tube) → Page 192

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

Cabinet U-Handles GN 667.2 (Aluminum Tube) → Page 193

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

Cabinet U-Handles GN 667.2 (Stainless Steel Tube) → Page 193

Size	30-300	30-350	30-400	30-500	30-600	30-700	30-1000
F ₁	1250	1250	1200	1200	1200	900	800
F ₂	5000	5000	4250	4000	2250	2000	1000

Flat Cabinet U-Handles GN 668 (Type A) → Page 132

Size	20-130	20-170	20-190	20-210	30-262	30-312	30-362	30-412
F ₁	1600	1600	1500	1350	2500	1700	1400	1200
F ₂	2100	1900	1800	1650	3200	2200	1700	1500

Flat Cabinet U-Handles GN 668 (Type B) → Page 132

Size	20-130	20-170	20-190	20-210				
F ₁	700	650	600	550				
F ₂	2400	2000	1600	1200				

Tubular Handles GN 669 → Page 200

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

Cabinet U-Handles GN 728 → Page 124

Size	120	180					
F ₁	2000	2500					
F ₂	2500	2750					

Cabinet U-Handles GN 728.5 → Page 124

Size	120						
F ₁	2500						
F ₂	5000						

Cabinet U-Handles GN 767 (Aluminum Tube / End Pieces Plastic) → Page 194

Size	28-300	28-400	28-500	28-600	28-700		
F ₁	-	-	-	-	-		
F ₂	2400	2000	1800	1200	900		
Size	35-300	35-400	35-500	35-600	35-700	35-1000	
F ₁	-	-	-	-	-	-	
F ₂	3000	2700	2500	1900	1900	1200	

Cabinet U-Handles GN 767.1 (Aluminum Tube / End Pieces Plastic) → Page 194

Size	28-300	28-400	28-500	28-600	28-700		
F ₁	-	-	-	-	-		
F ₂	2400	2000	1800	1200	900		
Size	35-300	35-400	35-500	35-600	35-700	35-1000	
F ₁	-	-	-	-	-	-	
F ₂	3000	2700	2500	1900	1900	1200	

Tubular Handles GN 3330 → Page XYZ

Size	30-300	30-400	30-500	30-600	40-400	40-600	40-800	40-1000
F ₁	6000	4000	3500	3000	7500	5000	3000	2000
F ₂	9000	7500	6000	5000	10000	6000	4000	3000

