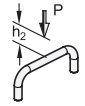


Strength Properties of Cabinet U-Handles in Plastic

Sorted by Ascending Standard Numbers



Impact strength
 $S_1 = P \times h_1$



Impact strength
 $S_2 = P \times h_2$



Breaking load K_1



Breaking load K_2

Extensive test series were carried out in order to obtain strength details of the plastic cabinet U-handles listed below. The results provide information on the impact strength and the tensile strength under normal stress loads in two stress load directions.

The impact strength S_1 and S_2 was determined using the outline drawing shown opposite:

A cylindrical steel element rounded at the tip (weight 0.680 kg) repeatedly hits the handle, with the height of drop increased by 0.1 mm with every drop. Failure occurs at the specified S values.

The details given on strength 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.

Ledge Handles GN 130 → Page 218

Size	100-M6	100-B4,5						
S_1 in J	-	-						
S_2 in J	-	-						
K_1 in N	3000	700						
K_2 in N	1900	900						

Ledge Handles GN 130.2 → Page 219

Size	100-M4	100-B4,5						
S_1 in J	-	-						
S_2 in J	-	-						
K_1 in N	3500	3000						
K_2 in N	2800	2800						

Finger Handles GN 224.3 → Page 171

Size	9	10						
S_1 in J	6	10						
S_2 in J	-	-						
K_1 in N	-	-						
K_2 in N	2300	2300						

Arch Handles GN 365 → Page 168

Size	132							
S_1 in J	15							
S_2 in J	7							
K_1 in N	2100							
K_2 in N	2600							

Cabinet U-Handles GN 525 → Page 119

Size	86	117	179					
S_1 in J	5	6	7					
S_2 in J	6	10	8					
K_1 in N	2500	4000	3000					
K_2 in N	2500	5000	2000					

Cabinet U-Handles GN 528-PA → Page 120

Size	94	117	122	132	140	160	179	235
S_1 in J	15	20	25	27	27	29	20	40
S_2 in J	8	13	14	14	20	20	20	34
K_1 in N	3500	4500	3700	3500	3400	3300	2800	3200
K_2 in N	2500	2500	2500	2500	2600	2700	2700	3500

Cabinet U-Handles GN 528-PP → Page 120

Size	94	117	122	132	140	160	179	235
S ₁ in J	8	10	12	12	13	15	16	17
S ₂ in J	3	4	5	5	6	7	8	11
K ₁ in N	1700	2000	1600	2000	1800	1800	1800	1700
K ₂ in N	1300	1500	1500	1300	1300	1300	1300	1700

Cabinet U-Handles GN 528-SV → Page 120

Size	94	117	132	179	Size	94	117
S ₁ in J	9	10	12	20	S ₁ in J	15	20
S ₂ in J	5	8	8	13	S ₂ in J	8	13
K ₁ in N	1750	3500	3000	1400	K ₁ in N	3500	4500
K ₂ in N	1700	2200	1800	2100	K ₂ in N	2500	2500

Cabinet U-Handles GN 528-ESD → Page 120**Cabinet U-Handles GN 528.1-PA → Page 121**

Size	94	105	117	132	179 - M8	179 - M10
S ₁ in J	10	10	12	18	24	24
S ₂ in J	6	7	9	16	30	30
K ₁ in N	2000	2000	3000	2000	3000	3200
K ₂ in N	1800	1800	1600	1800	2300	2500

Cabinet U-Handles GN 528.1-PP → Page 121

Size	117
S ₁ in J	9
S ₂ in J	4
K ₁ in N	1900
K ₂ in N	950

Cabinet U-Handles GN 528.2 → Page 122

Size	94	117	122	140	150	160	179
S ₁ in J	16	17	25	27	27	22	20
S ₂ in J	6	7	14	20	15	15	20
K ₁ in N	3500	4500	3700	3400	3000	3300	2800
K ₂ in N	2500	2500	2500	2600	2600	2700	2700

Cabinet U-Handles GN 528.3 → Page 122

Size	94	117	122	140	150	160
S ₁ in J	15	20	25	27	27	22
S ₂ in J	8	13	14	20	15	15
K ₁ in N	3500	4500	3700	3400	3000	3300
K ₂ in N	2500	2500	2500	2600	2600	2700

Cabinet U-Handles GN 528.4 → Page 121

Size	117	179
S ₁ in J	11	24
S ₂ in J	9	30
K ₁ in N	2200	3400
K ₂ in N	1400	2600

Cabinet U-Handles GN 625 → Page 118

Size	86	117	179	300
S ₁ in J	50	50	27	25
S ₂ in J	120	120	80	75
K ₁ in N	4000	4000	3000	2000
K ₂ in N	7000	5000	3500	3000



Cabinet U-Handles GN 627 → Page 141

Size	88	120							
S ₁ in J	11	11							
S ₂ in J	9	9							
K ₁ in N	2000	2000							
K ₂ in N	2200	2200							

Cabinet U-Handles GN 628 → Page 133

Size	94	117	120	132	150	179			
S ₁ in J	8	10	10	11	12	16			
S ₂ in J	3	4	4	4	5	9			
K ₁ in N	2000	2700	2700	2700	2700	2200			
K ₂ in N	1500	1800	1800	1800	1500	1500			

Cabinet U-Handle GN 628.1 → Page 134

Size	117	179							
S ₁ in J	10	16							
S ₂ in J	4	9							
K ₁ in N	2700	2200							
K ₂ in N	1800	1500							

Cabinet U-Handles GN 628.4 → Page 136

Size	132								
S ₁ in J	35								
S ₂ in J	8								
K ₁ in N	2800								
K ₂ in N	2900								

Cabinet U-Handles GN 628.5 → Page 138

Size	132								
S ₁ in J	31								
S ₂ in J	13								
K ₁ in N	4400								
K ₂ in N	4400								

Ledge Handles GN 630 → Page 217

Size	114								
S ₁ in J	–								
S ₂ in J	–								
K ₁ in N	90								
K ₂ in N	–								

Cabinet U-Handles GN 630.1 → Page 116

Size	114								
S ₁ in J	–								
S ₂ in J	–								
K ₁ in N	90								
K ₂ in N	–								

Cabinet U-Handles GN 725 → Page 110

Size	86	94	117	120	132	150	160	179	235	300
S ₁ in J	12	10	8	8	8	8	8	11	11	18
S ₂ in J	6	8	12	12	12	13	13	13	13	11
K ₁ in N	2400	2300	2250	2250	2200	2000	2000	1900	1900	2000
K ₂ in N	2400	2300	2650	2650	2450	2550	2250	2000	2000	2000

Cabinet U-Handles GN 725-MDB → Page 111

Size	117	179					
S ₁ in J	8	11					
S ₂ in J	12	15					
K ₁ in N	2500	2000					
K ₂ in N	4500	3000					

Cabinet U-Handles GN 725-VDB → Page 111

Size	117	179					
S ₁ in J	8	11					
S ₂ in J	12	15					
K ₁ in N	3500	2500					
K ₂ in N	4500	3000					

Cabinet U-Handles GN 725.1 → Page 112

Size	86	117	132	179			
S ₁ in J	11	11	11	11			
S ₂ in J	9	9	9	13			
K ₁ in N	3000	2000	1900	1900			
K ₂ in N	2200	2800	1900	1900			

Gripping Trays GN 739 → Page 228

Size	115						
S ₁ in J	-						
S ₂ in J	-						
K ₁ in N	3500						
K ₂ in N	3500						

Cabinet U-Handles GN 767 (Aluminum Pipe / Plastic End Caps) → Page 194

Size	28-300	28-400	28-500	28-600	28-700		
S ₁ in J	-	-	-	-	-		
S ₂ in J	2400	2000	1800	1200	900		
K ₁ in N	-	-	-	-	-		
K ₂ in N	2800	2300	2000	1500	1200		
Size	35-300	35-400	35-500	35-600	35-700	35-1000	
S ₁ in J	-	-	-	-	-	-	
S ₂ in J	3000	2700	2500	1900	1900	1200	
K ₁ in N	-	-	-	-	-	-	
K ₂ in N	3100	2800	2600	2100	2100	1400	

Cabinet U-Handles GN 767.1 (Aluminum Pipe / Plastic End Caps) → Page 194

Size	28-300	28-400	28-500	28-600	28-700		
S ₁ in J	-	-	-	-	-		
S ₂ in J	2400	2000	1800	1200	900		
K ₁ in N	-	-	-	-	-		
K ₂ in N	2800	2300	2000	1500	1200		
Size	35-300	35-400	35-500	35-600	35-700	35-1000	
S ₁ in J	-	-	-	-	-	-	
S ₂ in J	3000	2700	2500	1900	1900	1200	
K ₁ in N	-	-	-	-	-	-	
K ₂ in N	3100	2800	2600	2100	2100	1400	



Folding Handles GN 825.1 → Page 175

Size	90							
S₁ in J	-							
S₂ in J	-							
K₁ in N	1700							
K₂ in N	2500							

Folding Handles with Recessed Tray GN 825.2 → Page 178

Size	90							
S₁ in J	-							
S₂ in J	-							
K₁ in N	1650							
K₂ in N	2400							