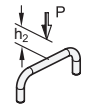


Strength properties of cabinet "U" handles in plastic

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.

Cabinet "U" handles GN 528-PA → Page 90								
Größe	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 90								
Größe	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 90								
Größe	94	117	132	179				
S_1 in J	9	10	12	20				
S_2 in J	5	8	8	13				
K_1 in N	1750	3500	3000	1400				
K_2 in N	1700	2200	1800	2100				

Cabinet "U" handles GN 528-ESD → Page 90								
Größe	94	117						
S_1 in J	15	20						
S_2 in J	8	13						
K_1 in N	3500	4500						
K_2 in N	2500	2500						

Cabinet "U" handles GN 528.1-PA → Page 91								
Größe	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 91								
Größe	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 528.4 → Page 91

Größe	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 89

Größe	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 628 → Page 96

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

Ledge handles GN 630 → Page 161

Größe	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 88

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

Cabinet "U" handles GN 725 → Page 84

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

Cabinet "U" handles GN 725.1 → Page 85

Größe	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					

