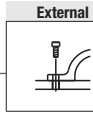


# Angled Handles

Aluminum / Casting Offset / Aluminum Hollow / Small Diameter Aluminum Hollow Type



**Aluminum Type**

**HHDNFA**

Material: Aluminum Alloy  
Surface Treatment: Baking Finish

**Application Example**

Part Number	Allowable Load (N)	Mass (g)
HHDNFA	1100	105

**Casting Offset**

**UWASNDF**

Countersink for 2-M4 Screw

Material: 304 Stainless Steel Equivalent  
Surface Treatment: Finish Buffed

Part Number	L	L <sub>1</sub>	Allowable Load (N)	Mass (g)
UWASNDF	80	98	500	100
	100	118		110
	150	168		130

**Part Number Example**

Part Number: HHDNFA112  
Part Number: UWASNDF100

**Aluminum Hollow Type**

**UHFAP**  
**UHFAPFC** L Dimension Configurable

Material: 6063 Aluminum Alloy  
Elbow: Glass Fiber Reinforced Nylon

**L Dimension Selectable**

Part Number	L	Applicable Screws
UHFAP L Dimension Selectable	150	Countersunk Screws M8
	200	
	250	
	300	
	400	
	500	
	600	

**L Dimension Configurable**

Part Number	L	Applicable Screws
UHFAPFC L Dimension Configurable	100-150	Countersunk Screws M8
	151-200	
	201-250	
	251-300	
	301-400	
	401-500	
	501-600	

**Small Dia. Aluminum Hollow Type**

**UHFAPC**  
**UHFAPFC** L Configurable Type

Material: 6063 Aluminum Alloy  
Elbow: Polycarbonate

**L Fixed**

Part Number	L	Applicable Screws
UHFAPC	100	Hex Socket Head Cap Screw M6
	150	
	200	
	250	
	300	

**L Configurable**

Part Number	L	Applicable Screws
UHFAPFC	100	Hex Socket Head Cap Screw M6
	150	
	200	
	250	
	300	

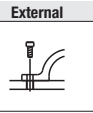
**Part Number Example**

Part Number: UHFAP - 150  
Part Number: UHFAPFC - 225

\*"-" is not necessary for L Fixed Type.

# Handles / Mounting Plates for Handle

Small Resin External / Nylon 6



**Small Resin External Handles**

**UPCNN**

2-Ø4.2 Through Hole  
Ø7.2 Counterbore  
Depth 4.2

Material: Glass Fiber Reinforced Nylon 6

Part Number	Allowable Load (N)	Mass (g)
UPCNN	200	25

**Part Number Example**

Part Number: UPCNN

**Handles - Nylon 6**

**UPCN**

Material: Glass Fiber Reinforced Nylon 6

Part Number	Handle Colors	H	h	L	L <sub>1</sub>	R	C	L <sub>r</sub>	L <sub>c</sub>	Allowable Load (N)	Mass (g)	
UPCN	B (Black) W (White) M (Orange) R (Red) G (Green)	19	36	30	90	108.5	5.5	9.5	11	6	500	23
		21	51	45	93.5	112	6.5	10.5	13	7		24
		26	41	34	117	139	8.5	13.3	15	9		25
		27	57	50	132	156						28
		28	45	37	152	177	6.5	10.5	13	7		38
			63	55	179	204	8.5	13.3	17	9		48
			52	42								54
			71	63								62
												66
												68
												86

⊙ The default handle color will be black unless specified. ⊙ The default H dimension will be A19-H36, A21-H36, A26-H41, A27-H45 and A28-H50 unless specified.  
⊙ H=52 is available only with black color.

**Part Number Example**

Part Number: UPCN21 - Handle Colors: B - H: 51

**Application Example**

**How to mount on Aluminum Extrusions.**

**How to Use a Reinforcement Plate**

A reinforcement plate prevents cracks and distortions, and is effective for thin panels.

**Mounting Plates for Handle**

**UPCNAT**

Material: 304 Stainless Steel

Part Number	L	L <sub>1</sub>	A	B	N	Handles	Reference Mass (g)
UPCNAT	90	108.5	19	9.25	5.5	UPCN19	31
	93.5	112	21		6.5	UPCN21	36
	117	139	26	11	UPCN26	55	
	132	156	27	12	UPCN27	64	
	179	204	28	12.5	UPCN28	88	

**Part Number Example**

Part Number: UPCNAT117