

Urethane / Rubbers

Spherical Tip, Tapered Tip

Bumpers with spherical and tapered tips are available in a short delivery time. Hole length is configurable for Through Hole Type.

Spherical Tip

RoHS 10

Through Hole Type	No Hole Type	Material	Hardness	Color
UTRS	CXTRS	Ether Polyurethane	Shore A95	Natural Color
UTRH	CXTRH		Shore A90	
UTRM	CXTRM		Shore A70	
UTRL	CXTRL	Ester Polyurethane	Shore A50	Black
UBFN	CXBFN		Nitrile Rubber (NBR)	
UBFS	CXBFS	Silicon Rubber	Shore A70	Light Gray
UBFU	CXBFU	Low Elasticity Rubber (HANENITE® GP-3SL)	Shore A35	Black
UBFF	CXBFF	Fluororubber	Shore A80	Black

Ⓜ HANENITE® is a registered trademark of Naigai Rubber Industry Co., Ltd.

V Tolerance

V	Tolerance
30 or Less	±0.2
31~46	±0.5

Thickness Condition

L	V
L ≤ 30	V ≤ D-4
L > 30	V ≤ D-6

Conditions of L
L ≥ D/2

Through Hole Type

No Hole Type

Ⓜ For Through Hole Type, through hole will be machined when VL dimension is not specified. Ⓜ Specification of VL dimension is required. Through hole can be provided, but the bore cannot be stopped at SR.

Urethane Configurable Type

Part Number (x Material Multiplier)	1mm Increment				Unit Price						
	D	L	Through Hole Type		Through Hole Type						
			V	VL	L10-20	L21-30	L31-40	L41-50			
Through Hole Type No Hole Type	6~15	10~50 (L ≥ D/2)	2~11	5~50 (VL=L) or (VL ≤ L-D/2)							
(Shore A95) UTRS CXTRS (x1.4)	16~20		4~16								
(Shore A90) UTRH CXTRH (x1.0)	21~30		6~26								
(Shore A70) UTRM CXTRM (x1.2)	31~40		6~36								
(Shore A50) UTRL CXTRL (x1.4)	41~50		6~46								

Ⓜ The thickness of Through Hole Type (D-V)/2 is restricted by L. Refer to the table (Thickness Condition) in the drawing.

Rubber Configurable Type

Part Number	1mm Increment				Unit Price				
	D	L	Through Hole Type		Through Hole Type				
			V	VL	L10-20	L21-30	L10-20	L21-30	
Through Hole Type No Hole Type	6~15	10~30 (L ≥ D/2)	2~11	5~30 (VL=L) or (VL ≤ L-D/2)					
(Nitrile Rubber) UBFN CXBFN	16~25		7~21						
Through Hole Type No Hole Type	6~15		2~11						
(Silicon Rubber) UBFS CXBFS	16~25		7~21						
Through Hole Type No Hole Type	6~15		2~11						
(Low Elasticity Rubber) UBFU CXBFU	6~15								
Through Hole Type No Hole Type	6~15		2~11						
(Fluororubber) UBFF CXBFF	6~15								

Bumpers with tapered tips are available in a short delivery time. Hole length is configurable for Through Hole Type.

Tapered Tip

RoHS 10

Through Hole Type	No Hole Type	Material	Hardness	Color
UTTS	CXTTS	Ether Polyurethane	Shore A95	Natural Color
UTTH	CXTTH		Shore A90	
UTTM	CXTTM		Shore A70	
UTTL	CXTTL	Ester Polyurethane	Shore A50	Black
UTBFN	CXTBFN		Nitrile Rubber (NBR)	

V Tolerance

V	Tolerance
30 or Less	±0.2
31~52	±0.5

Through Hole Type

No Hole Type

Ⓜ For Through Hole Type, through hole will be machined when VL dimension is not specified.

Part Number (x Material Multiplier)	1mm Increment				Unit Price					
	D	A (A ≤ D-2)	L	C	Through Hole Type					
					V	VL	L10-20	L21-30	L10-20	L21-30
Through Hole Type No Hole Type	6~15	2~13	10~30	1~29 (C < L)	2~11 (V ≤ A-2)	5~30 (VL ≤ L)				
(Shore A95) UTTS CXTTS (x1.4)	16~30	2~28			2~24 (V ≤ A-4)					
(Shore A90) UTTH CXTTH (x1.0)	31~45	2~43			2~37 (V ≤ A-6)					
(Shore A70) UTTM CXTTM (x1.2)	46~60	2~58			2~52 (V ≤ A-6)					
(Shore A50) UTTL CXTTL (x1.4)										
(Shore A70) UTBFN CXTBFN (x1.08)										

Ⓜ Prices and price multiplier have been revised according to the price list integration.

Ordering Example

Part Number - **D** - **L** - **V** - **VL**

UTRS - D20 - L40 - V10 - VL30

CXBFU - D10 - L15

Part Number - **D** - **A** - **L** - **C** - **V** - **VL**

UTTS - D15 - A13 - L15 - C10 - V5 - VL10

CXTTH - D20 - A14 - L30 - C15