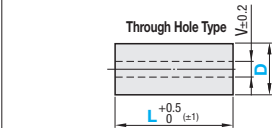


Urethane Bumpers - L Selectable / Configurable

Standard, Abrasion Resistant, Heat Resistant, Extra Low Hardness



Type	Through Hole Type	No Hole Type	Material	Hardness	Photo No., Color
L Selectable	AXNSK	CXSK	Standard Urethane	Shore A95	① Natural Color
	AXNHK	CXHK	(Ether Polyurethane)	Shore A90	
	AXNMK	CXMK	Standard Urethane	Shore A70	
	AXNLK	CXLK	(Ester Polyurethane)	Shore A50	② Dark Brown
	AEXHK	CXEHK	Abrasion Resistant Urethane	Shore A90	
	AEXMK	CXEMK	(Ester Polyurethane)	Shore A70	
L Configurable	AXHHK	CXHHK	Heat Resistant Urethane	Shore A90	③ Brown
	AXNS	CXS	Standard Urethane	Shore A95	① Natural Color
	AXNH	CXH	(Ether Polyurethane)	Shore A90	
	AXNM	CXM	Standard Urethane	Shore A70	
	AXNL	CXL	(Ester Polyurethane)	Shore A50	④ Black
	SAXN	SCXN	Extra Low Hardness Urethane - High Impact Resilience (Ether Polyurethane)	Shore A15	



D Tolerance			
Material	D	Tolerance	
Standard, Abrasion Resistant, Heat Resistant Urethane	8~40	±0.2	
	50, 60	±0.3	
Extra Low Hardness Urethane	15~30	±0.5	

Edges of Extra Low Hardness Urethane may remain white after cutting.

For Extra Low Hardness Urethane, V dimension tolerance ±0.2 is not applicable, and L dimension tolerance is ±1.

L Selectable, Standard Urethane

Part Number	Type	D	L Selection										V	M	Unit Price									
				L10	L15	L20	L25	L30	L35	L40	L45	L50	L100	L200	L500									
Through Hole Type <D Dimension 15 ~ 60> AXNSK (Shore A95) AXNHK (Shore A90) AXNMK (Shore A70) AXNLK (Shore A50)	(8)	10	15	20	25	30	35	40	45	50	100	200	-	-	-									
	(10)	10	15	20	25	30	35	40	45	50	100	200	-	-	-									
	15	10	15	20	25	30	35	40	45	50	100	200	7	M4	-									
	20	10	15	20	25	30	35	40	45	50	100	200	8.5	M5	-									
	25	10	15	20	25	30	35	40	45	50	100	200	10	M6	-									
No Hole Type <D Dimension 8 ~ 60> CXSK (Shore A95) CXHK (Shore A90) CXMK (Shore A70) CXLK (Shore A50)	30	10	15	20	25	30	35	40	45	50	100	200	500	13	M8	-	-	-	-	-	-	-	-	-
	40	-	-	-	-	-	-	-	-	-	-	-	500	100	200	500	-	-	-	-	-	-	-	-
	50	-	-	-	-	-	-	-	-	-	-	-	100	200	500	-	-	-	-	-	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-	-	100	200	500	-	-	-	-	-	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-	-	100	200	500	-	-	-	-	-	-	-	-	-

D= 8 or 10 is applicable to No Hole Type only.

L Selectable, Abrasion Resistant / Heat Resistant Urethane

The price of Abrasion Resistant Urethane Type and Heat Resistant Urethane product can be calculated by Unit Price x Material Multiplier shown in the table.

Part Number	Type	D	L Selection										V	M	Unit Price									
				L10	L15	L20	L25	L30	L35	L40	L45	L50	L100	L200	L500									
Through Hole Type <D Dimension 15 ~ 60> AEXHK (Shore A90) (x1.0) AEXMK (Shore A70) (x1.0) AXHHK (Shore A90) (x1.2)	(8)	10	15	20	25	30	35	40	45	50	100	200	-	-	-									
	(10)	10	15	20	25	30	35	40	45	50	100	200	-	-	-									
	15	10	15	20	25	30	35	40	45	50	100	200	7	M4	-									
	20	10	15	20	25	30	35	40	45	50	100	200	8.5	M5	-									
	25	10	15	20	25	30	35	40	45	50	100	200	10	M6	-									
No Hole Type <D Dimension 8 ~ 60> CXHK (Shore A90) (x1.0) CXMK (Shore A70) (x1.0) CXHHK (Shore A90) (x1.2)	30	10	15	20	25	30	35	40	45	50	100	200	500	13	M8	-	-	-	-	-	-	-	-	-
	40	-	-	-	-	-	-	-	-	-	-	-	500	100	200	500	-	-	-	-	-	-	-	-
	50	-	-	-	-	-	-	-	-	-	-	-	100	200	500	-	-	-	-	-	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-	-	100	200	500	-	-	-	-	-	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-	-	100	200	500	-	-	-	-	-	-	-	-	-

D= 8 or 10 is applicable to No Hole Type only.

L Selectable, Standard / Extra Low Hardness Urethane

Part Number		L Selection		V		Unit Price									
Type	D	Standard Urethane 1mm Increment	Extra Low Hardness Urethane 5mm Increment	V	M	Standard Urethane					Extra Low Hardness Urethane				
						L10	L15	L20	L25	L30	L35	L40	L45	L50	L100
Through Hole Type <D Dimension 15 ~ 60> AXNS (Shore A95) AXNH (Shore A90) AXNM (Shore A70) AXNL (Shore A50) SAXN (Shore A15)	(8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	-	-	7	M4	-	-	-	-	-	-	-	-	-	-
	20	-	-	8.5	M5	-	-	-	-	-	-	-	-	-	-
	25	-	-	10	M6	-	-	-	-	-	-	-	-	-	-
No Hole Type <D Dimension 8 ~ 60> CXNS (Shore A95) CXNH (Shore A90) CXNM (Shore A70) CXNL (Shore A50) SCXN (Shore A15)	30	-	-	13	M8	-	-	-	-	-	-	-	-	-	-
	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-

D= 8 or 10 is applicable to No Hole Type only. Only D=15, 20, 25 and 30 are available for SAXN and SCXN.

Ordering Example	Part Number	-	L
	AXNLK15	-	30
	CXM15	-	125

Rubber Bumpers, Sponge Bumpers

Rubber Bumpers



Through Hole Type	No Hole Type	Material	Hardness	Color
RBXN	RBCXN	Nitrile Rubber (NBR)	Shore A70	Black
RBXC	RBCXC	Chloroprene Rubber (CR)	Shore A65	Black
RBXU	RBCXU	Low Elasticity Rubber (HANENITE® GP-35LB)	Shore A35	Black
RBXS	RBCXS	Silicon Rubber (SI)	Shore A70	Light Gray
RBXA	RBCXA	Silicon Rubber (SI)	Shore A50	Milky White
RBXF	RBCXF	Fluororubber (FPM)	Shore A80	Black

HANENITE® is a registered trademark of Naigai Rubber Industry Co., Ltd.
The milky white color of silicon rubber shore A 50 is translucent.

D Tolerance		V Tolerance		Thickness Condition	
D	Tolerance	V	Tolerance	L	V
6~40	±0.5	30 or Less	±0.5	L≤30	V≤D-6
41~60	±0.6	31~50	±0.7	L>30	V≤D-10

The tolerances are verified at 23°C±2 and 40 ~ 80% humidity.

Through Hole Type



No Hole Type



Part Number		1mm Increment			Unit Price										
		D	L	V (Through Hole Type)	RBXN, RBCXN, RBXC, RBCXC		RBXU, RBCXU		RBXS, RBCXS, RBXA, RBCXA		RBXF, RBCXF				
Through Hole Type	No Hole Type	6~15	10~50*	2~9	L10~20	L21~30	L31~50	L10~20	L21~30	L10~20	L21~30	L31~50	L10~20	L21~30	
RBXN	RBCXN	16~30		4~24											
RBXC	RBCXC	31~45		8~35											
RBXU	RBCXU			10~50											
RBXS	RBCXS	46~60													
RBXA	RBCXA														
RBXF	RBCXF														

The thickness of Through Hole Type (D-V)/2 is restricted by L. Refer to the table (Thickness Condition) in the drawing. When V=2, L≤30.

* L≤30 for RBXU, RBCXU, RBXS, RBCXS, RBXA, RBXF, RBCXF

Ordering Example	Part Number	-	D	-	L	-	V
	RBXS	-	D28	-	L30	-	V12

Sponge Bumpers

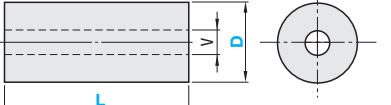


Type	Through Hole Type	No Hole Type	Material
L Selectable	ASGC	CXGC	Chloroprene Rubber Sponge
	ASGP	CXGP	EPDM Sponge
	ASGA	CXGA	Silicon Rubber Sponge
L Configurable	FASGC	FCXGC	Chloroprene Rubber Sponge
	FASGP	FCXGP	EPDM Sponge
	FASGA	FCXGA	Silicon Rubber Sponge

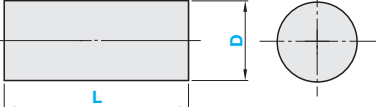
D Tolerance		V Tolerance		L Tolerance	
D	Tolerance	V	Tolerance	L	Tolerance
8~15	±1.1	7, 8.5	±0.8	10~250	±2.0
20, 25	±1.9	10, 13	±1.0	500	±3.0
30, 40	±3.2	16	±1.1		
50	±4.0				

Some may not be in perfect circle.

Through Hole Type



No Hole Type



L Selectable

Part Number		L Selection										V	Unit Price											
Type	D												L10	L15	L20	L25	L30	L35	L40	L45	L50	L100	L200	L500
Through Hole Type ASGC (Chloroprene)	8	10	15	20	25	30	35	40	45	50	100	200	-											
	10	10	15	20	25	30	35	40	45	50	100	200												
	15	10	15	20	25	30	35	40	45	50	100	200											-	
ASGP (EPDM)	20	10	15	20	25	30	35	40	45	50	100	200	8.5											
	25	10	15	20	25	30	35	40	45	50	100	200	10											
	30	10	15	20	25	30	35	40	45	50	100	200	500	13										
No Hole Type CXGC (Chloroprene)	40									50	100	200	500	13										
	CXGP (EPDM)									50	100	200	500	16	-	-	-	-	-	-	-	-		
	50									100	200	500	16							-				
Through Hole Type ASGA (Silicon)	8	10	15	20	25	30	35	40	45	50	100	200	-											
	10	10	15	20	25	30	35	40	45	50	100	200												
	15	10	15	20	25	30	35	40	45	50	100	200	7										-	
No Hole Type CXGA (Silicon)	20	10	15	20	25	30	35	40	45	50	100	200	8.5											
	25	10	15	20	25	30	35	40	45	50	100	200	10											
	30	10	15	20	25	30	35	40	45	50	100	200	500	13										
	40									50	100	200	500	13	-	-	-	-	-	-	-	-		