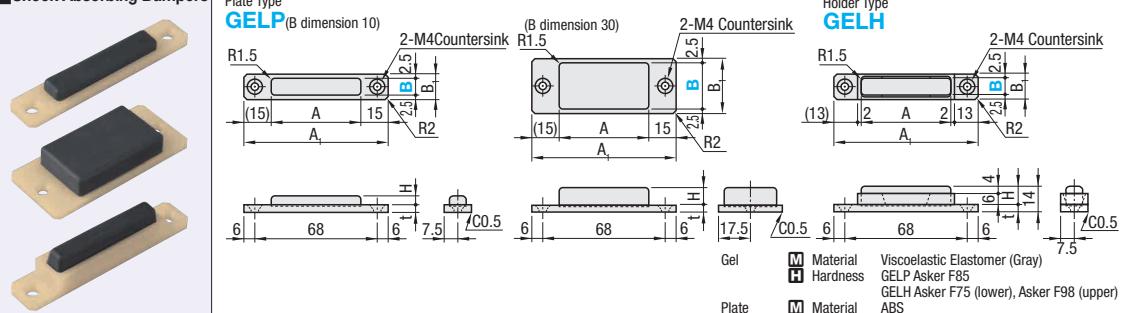


# Shock Absorbing Bumpers, Shock Absorbing Foam

■ New bumpers provided with shock and sound absorbing effect, made of soft shock-absorbing gel.

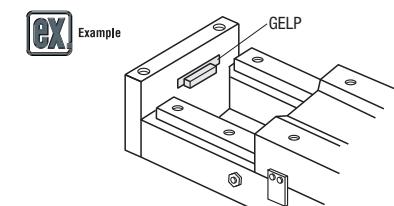
Long and narrow shape with enlarged pressure contact area more than Round Type enhanced shock absorption. See **P410** for Circular Type.

## ■ Shock Absorbing Bumpers



Part Number	Type	B	A	H	A <sub>1</sub>	B <sub>1</sub>	t	Unit Price
<b>GELP</b>	Plate Type	10	5	15				
		30	50	10	80	35	4	
<b>GELH</b>	Holder Type	10	10	15				

Ordering Example: **GELP10**



## ■ 20% Compressive Load Test Results

Part Number	GELP10	GELP30	GELH10
20% Average Compression Load (kgf)	7.2	29.2	0.9

- **Test Conditions**  
A static compression load measurement test causing the 80% thickness is repeated 3 times. Above are the mean values of three measurement results.
- These are not guaranteed values but an example as a set of measured values.

## ■ Precaution for Use

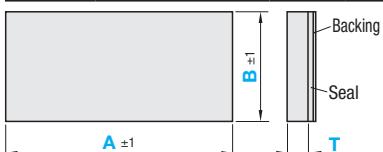
- Do not stick or cut with sharpened objects.
- Do not tear or twist.
- Insert it only from the vertical direction.
- Keep away from fire.
- Do not use detergents for cleaning.
- Replace it when broken.

■ Copolymerized Acrylic, Urethane, and Rubber for sound and vibration dampening. Best suited for receivers for workpieces.

## ■ Shock Absorbing Foam



Type	M Material	Color
Main Body	Adhesive Part	
PRGCS	Copolymerized Foam of Acrylic, Urethane and Rubber	Acrylic
PRGCW	Adhesive	Black



- Peel off backing paper to adhere it to an object. Be sure to clean any oil or dust off the affixed surface.
- Can be cut with a utility knife. Cut with the adhesive side up. Remove the protective film from the surface before use.

Part Number	T Dimension	A	B	Unit Price
Type	Tolerance	Selection	Selection	B100 B200 B300 B400 B500
PRGCS	3		±1	100 400 800
		100		200 300 400 500
PRGCW	5			100 400 500
		100		400 500
	10	±2		400 500

Ordering Example: **PRGCS3 - 100 - 200**

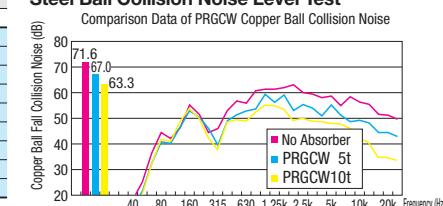
## ■ Properties

Item	PRGCS	PRGCW
Density	0.32g/cm <sup>3</sup>	
Tensile Strength	4.5kg/cm <sup>2</sup>	
Elongation	250%	
Impact Resilience Rate	0.1% or Less	

## ■ Features

- Excellent sound dampening and vibration absorbing characteristics.
- Flexible material can be pasted on curved surfaces with ease.
- Lightweight material can be applied on large panel areas.
- Best suited for human body protection. Can be pasted in multi-layers where more protection is needed.
- Adhesive Strength (90 Degree Peeling Strength): 19.6N/25mm Width (When affixed to EN 1.4301 Equiv.)
- Products of thickness 5T and 10T are laminated.

## Steel Ball Collision Noise Level Test



Item	No Absorber	PRGCW5	PRGCW10
Collision Noise (dB)	71.6	67	63.3
Sound Pressure	-	40% Reduced Sound Pressure	60% Reduced Sound Pressure

\* A steel ball (Ø20, 36g) is dropped on a wooden base from a 55cm height, and the sound pressure level is measured with a microphone at a distance of 50m, positioned 50cm above the ground.

# Extra Low Hardness Urethane Sheets, Silicone Gel Sheets

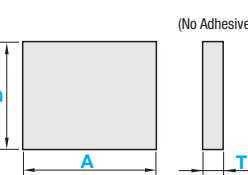
With more resistance to permanent compression deformation than conventional urethane, it is more durable. The softness of Shore A15 is about firm gelatin.

## ■ Extra Low Hardness Urethane Sheets

**SUTLL** (No Adhesive)  
**SUTLLA** (Adhesive)



(No Adhesive) (Adhesive)



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

• **T Dimension Tolerance** • Edges may remain white after cutting.

• **Dimensional Tolerances of A and B** 200mm or Less 205~250

M Material Extra Low Hardness Urethane (Black)  
H Hardness Shore A15 (High Impact Resilience)

## Part Number 5mm Increment

Type	T	A	B
No Adhesive	5		
<b>SUTLL</b>	10		
Adhesive	15	10-250	10-250
<b>SUTLLA</b>	20		
	25		
	30		

Ordering Example: **SUTLLS - 25 - 100**

(A ≥ B ≥ T)

## Part Number

Type	T	A	B
No Adhesive	5	10-100	-
<b>SUTLL</b>	10	105-200	-
	15	205-250	-
Adhesive	20	10-100	-
<b>SUTLLA</b>	25	105-200	-
	30	205-250	-

Ordering Example: **SUTLLA10 - 200 - 150**

Part Number	Type	T	Unit Price			
			A		B	
10-100		105-200		205-250		
<b>SUTLL</b>	(x1.0)	5	10-100	-	-	
		10	105-200	-	-	
		15	205-250	-	-	
Adhesive <b>SUTLLA</b>	(x1.2)	20	10-100	-	-	
		25	105-200	-	-	
		30	205-250	-	-	

## ■ Silicone Gel Sheets



RohS10

Part Number	Type	M Material	H Hardness (Penetration)	Color
<b>GELS</b> (Square)	1	Silicone	55	Milky White
	2			
	3			
<b>GELT</b> (Band)	1			
	2			
	3			

■ Features

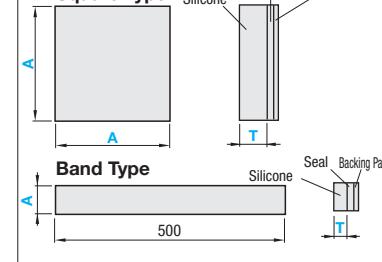
- Silicone is an artificial compound made from silicone.
- It can be cut with adhesive side up with a utility knife, etc.
- Gel surface has an antistick treatment applied.

■ Reference: Adhesive Strength (180 Degree Peeling Strength): 14.5N/25mm Width (when affixed to EN 1.4301 Equiv.)

■ As pressure sensitive adhesive is used, be sure to apply sufficient pressure so that the joint sections may firmly adhere to each other.

■ 75μm PET film is used as base material.

■ Oil may ooze out to the backing paper.



Ordering Example: **GELS1 - 50 - 50**

