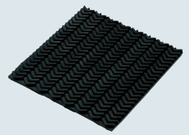
Anti-Skid Rubber Sheets

Hyper V®

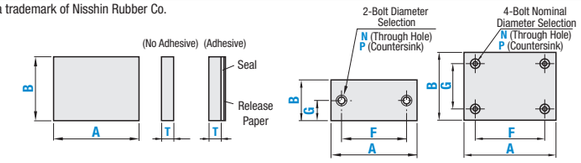
Strong grip even on an oil applied workpiece is ensured by its material properties and special shape. Most suitable for workpiece chuck.

Anti-Skid Rubber Sheets

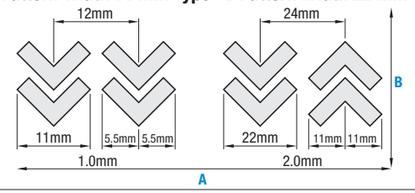


	No Adhesive	Adhesive	Material	Hardness	Color
V Pattern Width 11 mm	STHVS	STHVSA	Nitrile Rubber Equivalent (Hyper V® Oil-Resistant Type)	Shore A60	Black
V Pattern Width 22 mm	STHVM	STHVMA			

ⓘ Hyper V® is a trademark of Nisshin Rubber Co.



V Pattern Width 11 mm Type **V Pattern Width 22 mm Type**



Accuracy Standards

T Dimension Tolerance ±0.5

Dimensional Tolerances of A & B

200 mm or Less	300 mm or Less
±0.5	±1.0

ⓘ The sheet can be cut at a desired dimension regardless of the pattern.

A / B Configurable Type

Part Number		1 mm Increment	
Type	T	A	B
STHVS STHVSA	4	10–300	10–300
STHVM STHVMA	4.5		

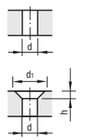
Hole Type

Part Number			1 mm Increment				Screw Nominal Diameter			
Type	Nominal	T	A	B	F	G	N (Through Hole)			P(Countersink)
STHVS STHVSA	2H 4H	4	10–300	10–300	5–295	5–295	3	4	5	3
STHVM STHVMA		4.5								

ⓘ Dimension F Specification Range: $d(d_1)+5 \leq F \leq A-d(d_1)-5$

ⓘ Dimension G Specification Range: for 2H: $d(d_1)/2+2.5 \leq G \leq B-d(d_1)/2-2.5$, for 4H: $d(d_1)+5 \leq G \leq B-d(d_1)-5$.

Hole Machining Details



Screw Nominal	3	4	5
d	3.5	4.5	5.5
d_1	7.5	—	—
h	2	—	—

Part Number Example

A / B Configurable Type

Part Number	-	A	-	B
STHVS4	-	250	-	100

Hole Type

Part Number	-	A	-	B	-	F	-	G	-	N
STHVS4H4	-	250	-	200	-	F200	-	G150	-	N5

Hyper V® Features

Its ability of slip prevention especially on oily surface. Rubber sheet which is used for shoe sole has been developed for industrial use.

Measurement of Coefficient of Slip Resistance (Ono Field-Portable Slip Test)

Condition	Coefficient of Slip Resistance (C, S, R')		
	Hyper V Sheet		Rubber Plain Sheet
	V22 Type	V11 Type	
Dry	0.97	0.98	0.76
Wet (Water)	0.80	0.84	0.42
Wet (Glycerin)	0.31	0.44	0.03

The above values are not guaranteed values but measured values.

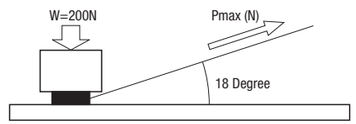
Measurement of Coefficient of Slip Resistance (Ono Field-Portable Slip Test)

Measure Max. tensile load (N) = Pmax by pulling a test specimen of 5 mm thickness with applying 200 N load on a stainless sheet of 50 mm x 60 mm.

A test result is shown as C.S.R' = Pmax/W.

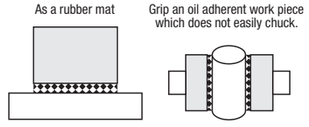
Recommended as a rubber mat or a chucking material for workpieces that are slippery due to cutting oil.

Simple Illustration of Ono Field-Portable Slip Test



The test result shows that V11 Type begins moving by the force of 88N, and Plain Sheet begins moving by 6N with glycerin coating. It proves that Hyper V has an excellent slip resistance property.

Application Example



Nonskid Rubber Sheets / Silicon Gel Sheets

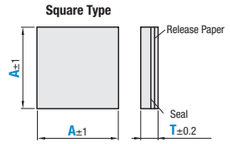
Nonskid rubber sheets with embossed surfaces have the same function as adhesive discs.

Nonskid Rubber Sheets

RoHS 10

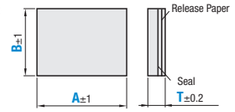
A Selectable Type

STPES

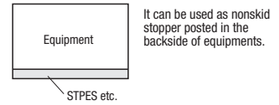


A, B Configurable Type

STPESF



Application Example



It can be used as nonskid stopper posted in the backside of equipments.

Material: Copolymerized Foam of Acrylic – Urethane – Rubber

ⓘ Heat resistance limit is 70°C.

A Selectable – Square

Part Number		A Selection
Type	T	
STPES	1	300
		500

A Selectable - Band

Part Number		A						
Type	T							
STPES	1	10	20	30	40	50	80	100

ⓘ L Dimension is 500 mm.

A / B Configurable Type

Part Number		1 mm Increment Unit		Available Types B				
Type	T	A	B	10–100	101–200	201–300	301–400	401–500
STPESF	1	10–100	10–500	•	—	—	—	—
		101–200		•	•			
		201–300		•	•	•		
		301–400		•	•	•	•	
		401–500		•	•	•	•	•

ⓘ A≥B

Part Number Example

A Selectable Type

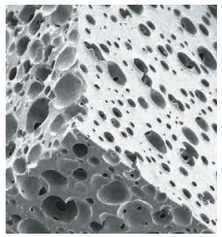
Part Number	-	A
STPES1	-	300
STPES1	-	20

A, B Configurable Type

Part Number	-	A	-	B
STPESF1	-	485	-	323

Features

Its finely embossed surface functions like a suction cup.



Silicon Gel Sheets

RoHS 10

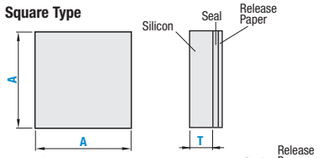
Part Number		Material	Hardness (Penetration)	Color
Type				
Square Type	Band Type			
GELS	GELT	Silicone	55	Milky White

ⓘ Operating Temperature Range: -40–100°C

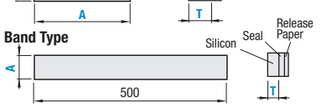
ⓘ The values of hardness are reference values.

ⓘ Penetration: JIS K2207 **P.2566**.

Square Type



Band Type



Part Number		A Selection	Available Types A			
Type	T		10	20	50	100
GELS Square	1	50 100	•	•	—	—
	2					
	3					
GELT Band	1	10 20	—	—	•	•
	2					
	3					

ⓘ Silicone is an artificial compound made from silicon.

ⓘ It can be cut adhesive side up with a utility knife, etc.

ⓘ Gel surface has an antistick treatment applied.

ⓘ Reference: Adhesive Strength (180° Peeling Strength) 14.5 N/25 mm Width (When affixed to 304 Stainless Steel)

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

ⓘ 75 µm PET film is used as base material.

ⓘ Oil may ooze out of the backing paper.

Features of Silicone **P.2645**.

Part Number Example

Part Number	-	A
GELS1	-	50

Application Example

Can be used as vibration control materials and cushioning materials.