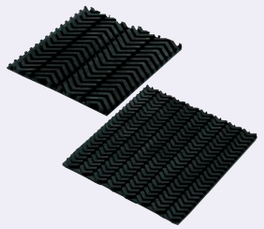
Anti-Skid Rubber Sheets
Hyper V®

Nonskid Rubber Sheets, Double Sided Adhesive Tape for Rubber

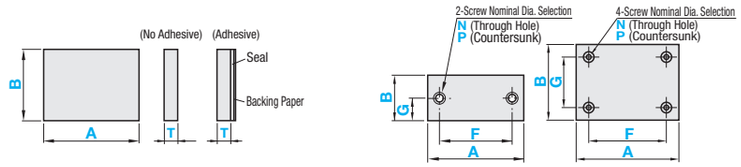
■Strong grip even on an oil applied workpiece is ensured by its material properties and special shape. Most suitable for workpiece chuck.

■Anti-Skid Rubber Sheets

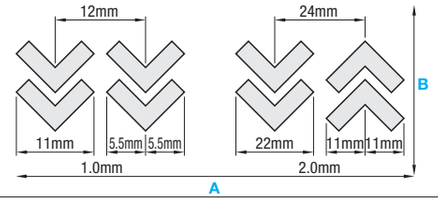


	No Adhesive	Adhesive	Ⓜ Material	Ⓗ Hardness	Color
V Pattern Width 11mm	STHVS	STHVSA	Nitrile Rubber Equiv. (Hyper V® Oil Resistant Type)	Shore A60	Black
V Pattern Width 22mm	STHVM	STHVMA			

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



V Pattern Width 11mm Type



V Pattern Width 22mm Type

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

■Accuracy Standards

- **T Dimension Tolerance** ±0.5
- **Dimensional Tolerances of A and B**

200mm or Less	300mm or Less
±0.5	±1.0

■A, B Configurable Type

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

■Hole Type

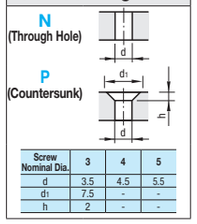
Part Number			1mm Increment				Screw Nominal Dia. Selection	
Type	Nominal	T	A	B	F	G	N (Through Hole)	P (Countersunk)
STHVS STHVSA	2H 4H	4	10~300	10~300	5~295	5~295	3, 4, 5	3
STHVM STHVMA		4.5						

Ⓡ Dimension F Specification Range: d(d1)+5≤F≤A-d(d1)-5, Dimension G Specification Range: for 2H: d(d1)/2+2.5≤G≤B-d(d1)/2-2.5, for 4H: d(d1)+5≤G≤B-d(d1)-5.

■A, B Configurable Type

Part Number		1mm Increment		Unit Price B		
Type	T	A	B	10~100	101~200	201~300
STHVS	4	10~100 101~200 201~300	10~300			
STHVM	4.5					
STHVSA	4	10~100 101~200 201~300	10~300			
STHVMA	4.5					

Hole Machining Details



Screw Nominal Dia.	3	4	5
d	3.5	4.5	5.5
d1	7.5	-	-
h	2	-	-

Ordering 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

■Hole Machining Charge

Hole Type	Hole	
	N (Through Hole)	P (Countersunk)
2H		
4H		

Part Number - A - B - F - G - N

STHVS4H4 - 250 - 200 - F200 - G150 - N5

(Standard Type Unit Price) + (Hole Machining Charge) = (Hole Type Unit Price)

Property of *Hyper V®*

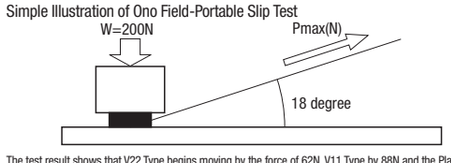
A rubber sheet material used for shoe soles for excellent oil surface non-slip performance is standardized for industrial applications.

■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 a measured values.

Simple Illustration of Ono Field-Portable Slip Test



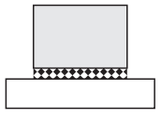
The test result shows that V22 Type begins moving by the force of 62N, V11 Type by 88N and the Plain Sheet by 6N with glycerin coating. It proves that Hyper V® has an excellent slip resistance property.

• Ono Field-Portable Slip Test

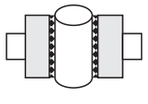
Measure Max. Tensile Load (N)=Pmax by pulling a test specimen of 5mm thickness with applying 200N load on a stainless sheet of 50mmx60mm.
A test result is shown as C.S.R' =Pmax/W.
Recommended as a rubber mat or a chucking material for workpieces that are slippery by cutting oil.

Ex. Example

As a Rubber Mat



Grip an oil adherent workpiece which does not easily chuck.

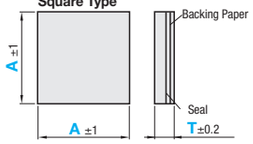


■Nonskid rubber sheets with embossed surface that have same function as adhesive discs.

■Nonskid Rubber Sheets

■A Selectable Type

STPES

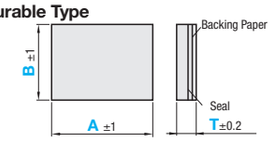


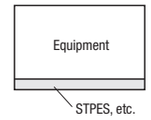
Ex. Example

It can be used as nonskid stopper pasted on the backside of equipments.

■A, B Configurable Type

STPESF





Ⓡ Adhesive thickness is 0.06 ~ 0.10mm.
Ⓜ Material: Copolymerized Foam of Acrylic, Urethane and Rubber

■A Selectable - Square

Part Number		A Selection	Unit Price
Type	T		
STPES	1	300	
		500	

■A Selectable - Band Ⓡ L Dimension is 500mm.

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

■A, B Configurable Type

Part Number		1mm Increment		Unit Price B				
Type	T	A	B	10~100	101~200	201~300	301~400	401~500
STPESF	1	10~100 101~200 201~300 301~400 401~500	10~500		-	-	-	-

Ⓡ A≥B

Ordering Example

■A Selectable Type

Part Number - A

STPES1 - 300
STPES1 - 20

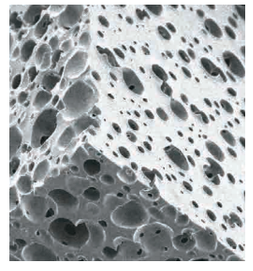
■A, B Configurable Type

Part Number - A - B

STPESF1 - 485 - 323

■Features

Its finely embossed surface functions like a suction cup.



■Double Sided Adhesive Tape for Rubber

RoHS 10

Part Number				W	Applicable Rubber	Base Material	Main Component	Unit Price			
Standard	Heat Resistant	Conductive	Oil Resistant					Standard	Heat Resistant	Conductive	Oil Resistant
ADTR	-	LADTR	PLADTR	20 50	Nitrile, Chloroprene, Ethylene, Butyl, Fluorine	Non-Woven Polyester Fabric	Acrylic Adhesive		-		
ADTS	HADTS	-	-	20 50	Silicon	Standard: Polyester Film Heat Resistant: Polyimide Film	Silicon Adhesive			-	-

Ⓡ LADTR are in 5m rolls, others are in 10m rolls.
Ⓡ For ADTS, only the side with the white release paper (silicon bond surface) is applicable to bond to silicon rubber.

Ⓡ Double sided adhesive seals and adhesives for urethane, rubber, and sponge are also available as web page listed products. For details, search by a Part Number at http://fa.misumi.jp.

Allowable Temperature: HADTS: 200°C, Others: 120°C.

Ordering Example

Part Number - W

ADTR - 20

· Adhesive Test Data

180 Degree Delamination Strength Test: Bond 1mm thick, 25mm wide rubber sheet to a EN 1.4301 Equiv. plate and measured. Delamination resistance strength force is expressed as adhesive load (N).

Unit: N/25mm Wide

Condition	Standard						Heat Resistant	Conductive				Oil Resistant
	ADTR					ADTS	HADTS	LADTR				PLADTR
	Nitrile	Chloroprene	Ethylene	Butyl	Fluorine	Silicon	Silicon	Nitrile	Chloroprene	Ethylene	Butyl	
Room Temperature x20 min.	60	60	60	60	60	13	3	6	6	6	6	See P.420
Room Temperature x72 hrs.	80	80	80	80	80	15	9	9	9	9	9	
80°C x 48 hrs.	70	70	70	70	70	15	10	13	14	12	12	

Ⓡ These are not guaranteed values but an example as a set of measured values.

* For other Adhesive Tape and Adhesives, **P.489**