

Anti-Skid Rubber Sheets

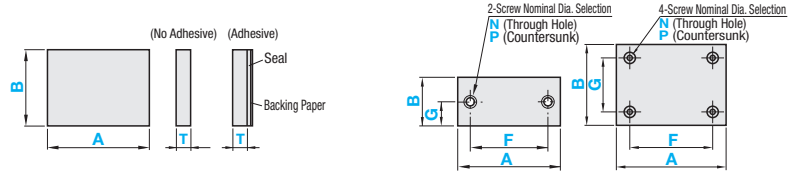
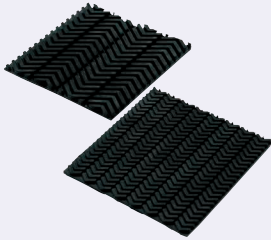
Hyper V®

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

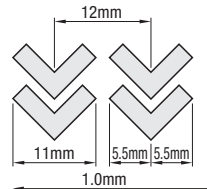
Anti-Skid Rubber Sheets

| | No Adhesive | Adhesive | M Material | H Hardness | Color |
|----------------------|-------------|----------|--|------------|-------|
| V Pattern Width 11mm | STHVS | STHVA | Nitrile Rubber Equivalent (Hyper V® Oil Resistant Type) | Shore A60 | Black |
| V Pattern Width 22mm | STHVM | STHMA | | | |

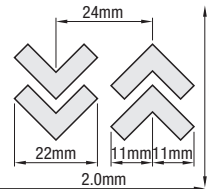
Hyper V® is a trademark of Nisshin Rubber Co.



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 | 4 | 10~300 | 10~300 | |
| STHVA | | | | |
| STHVM | 4.5 | 10~300 | 10~300 | |
| STHMA | | | | |

Hole Type

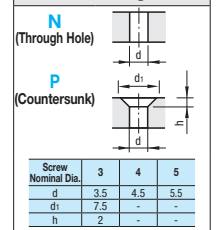
| Part Number | 1mm Increment | | | | | | Screw Nominal Dia. Selection | | |
|-------------|---------------|---------|-----|--------|--------|-------|------------------------------|------------------|-----------------|
| | Type | Nominal | T | A | B | F | G | N (Through Hole) | P (Countersunk) |
| STHVS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

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

A, B Configurable Type

| Part Number | 1mm Increment | | | Unit Price | | | |
|-------------|---------------|--------|---------|------------|--------|---------|---------|
| | Type | T | A | B | 10~100 | 101~200 | 201~300 |
| STHVS | 4 | 10~300 | 10~100 | 10~300 | | | |
| STHVA | | | 101~200 | | | | |
| STHVM | 4.5 | 10~300 | 201~300 | 10~300 | | | |
| STHMA | | | 101~200 | | | | |
| STHVS | 4 | 10~300 | 10~100 | 10~300 | | | |
| STHVA | | | 101~200 | | | | |
| STHVM | 4.5 | 10~300 | 201~300 | 10~300 | | | |
| STHMA | | | 101~200 | | | | |

Hole Machining Details



Ordering Example
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 | | Part Number | A | B | F | G | N |
|-----------|------------------|-----------------|-------------|-----|-----|------|------|----|
| | N (Through Hole) | P (Countersunk) | | | | | | |
| 2H | | | STHVS4H4 | 250 | 200 | F200 | G150 | N5 |
| 4H | | | | | | | | |

(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 (One 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.

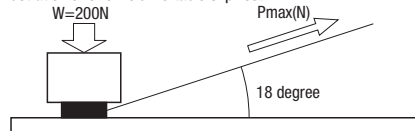
• Ono Field-Portable Slip Test

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.

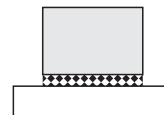
Simple Illustration of Ono Field-Portable Slip Test



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.



Example As a Rubber Mat



Grip an oil adherent workpiece which does not easily chuck.

