

Ceramic Urethane Sheets

■ These MISUMI original urethane sheets are unique mixture of ceramic particles. Excel in abrasion resistance against wire, and smooth in their machined surfaces though they are low in hardness.

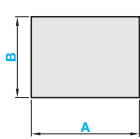
Type	Type		Material	Hardness	Color	Accuracy Standards
	No Adhesive	Adhesive				
Mold Surface Type	UTSCS	UTSCSA	Ceramic Urethane (Ether Polyurethane)	Shore A95	Natural Color (Gray)	T Dimension Tolerance
	UTSCH	UTSCHA				
	UTSCM	UTSCMA	Ceramic Urethane (Ester Polyurethane)	Shore A70		
	UTSCL	UTSCLA				
Machined Surface Type	UTSCSK	UTSCSKA	Ceramic Urethane (Ether Polyurethane)	Shore A95	A, B Tolerance	
	UTSCHK	UTSCHKA				
	UTSCMK	UTSCMKA	Ceramic Urethane (Ester Polyurethane)	Shore A70		
	UTSCLK	UTSCLKA				

Accuracy Standards		
T Dimension Tolerance		
T	Tolerance	
	Mold Surface Type	Machined Surface Type
2-4	±0.3	±0.5
5-10	±0.4	

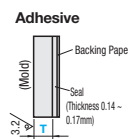
A, B Tolerance	
A, B	Tolerance
200 or Less	±0.5
201-300	±1.0
301-400	±1.2
401-500	±1.5

⚠ Properties **P389**
 ⚠ Mold Surface Type has glossy smooth surface but not slippery. Machined Surface Type has ground surface on one side improving sliding property.

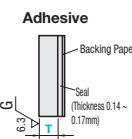
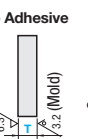
Standard



(Mold Surface)



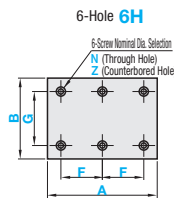
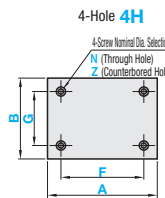
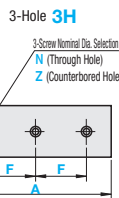
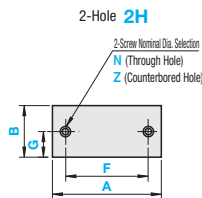
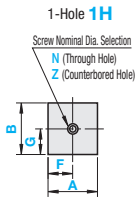
(Machined Surface)



Hole Machining Details

Screw Nominal Dia.	3	4	5	6	8	10
d	3.5	4.5	5.5	6.5	9	12
d1	6.5	8	9.5	11	14	17.5
h	3.5	4.5	5.5	6.5	9	11

Hole Type



⚠ For Adhesive Type T4 or more, the adhesive tape may tear from the body. Please use it as temporary fixing, or in combination with bolt fixing.
 ⚠ Temperature limit for seals is 80°C.

Standard Type, Mold Surface

Part Number		1mm Increment	
Type	T	A	B
No Adhesive	2	10-500	10-500
Adhesive	3		
UTSCS	4		
UTSCH	5		
UTSCM	6		
UTSCL	8		
	10		

Standard Type, Machined Surface

Part Number		1mm Increment	
Type	T	A	B
No Adhesive	3	10-200	10-200
Adhesive	4		
UTSCSK	5		
UTSCHK	6		
UTSCMK	8		
UTSCLK	10		

Hole Type, Mold Surface

Part Number		1mm Increment (A≥B≥T)		0.5mm Increment		Screw Nominal Dia. Selection		
Type	Nominal	T	A	B	F	G	N (Through Hole) / Z (Counterbored Hole)	
Mold Surface Type	1H	2	25-500	25-500	5-495 (1H)	5-495 (1H, 2H, 3H)	3	-
	2H	3					4	-
No Adhesive	3H	4					5	-
Adhesive	4H	5					6	-
UTSCS	6H	6					8	-
UTSCSA		8					3	-
UTSCH		10					3	4

Hole Type, Machined Surface

Part Number		1mm Increment (A≥B≥T)		0.5mm Increment		Screw Nominal Dia. Selection		
Type	Nominal	T	A	B	F	G	N (Through Hole) / Z (Counterbored Hole)	
Machined Surface Type	1H	3	25-200	25-200	5-195 (1H)	5-195 (1H, 2H, 3H)	3	-
	2H	4					4	-
No Adhesive	3H	5					5	-
Adhesive	4H	6					6	-
UTSCSK	6H	8					3	-
UTSCSKA		10					3	4



Ordering Example

Standard

Part Number - A - B
 UTSCLK5 - 100 - 30

Hole Type

Part Number - A - B - F - G - Screw Nominal Dia.
 UTSCMK2H5 - 100 - 50 - F80 - G25 - N3