

Highly Abrasion Resistant / Heat-Resistant Urethane Sheets

Vulkollan® / Abrasion Resistant Urethane

Vulkollan® and Abrasion Resistant Urethane are six times and 2.5 times more abrasion than the standard urethane respectively, and Heat Urethane is capable to withstand up to 120°C.

Ⓜ A, B Dimension Configurable Adhesive Type is now available. Ⓜ For heat resistant urethane gasket products, see P.2630.

Vulkollan® / Abrasion Resistant Urethane

RoHS 10

A Selectable Type

Square Type

(No Adhesive) (Adhesive)

Thickness 0.14-0.17mm

Band Type

(No Adhesive) (Adhesive)

300+50 for Vulkollan® (Thickness 0.14-0.17 mm)

A Selectable Type		A / B Configurable Type		Material	Hardness	Color
No Adhesive	Adhesive	No Adhesive	Adhesive			
VULHS	VULHSA	VULHSS	VULHSSA	Super Abrasion Resistant Urethane Vulkollan®	Shore A92	Beige
VULMS	VULMSA	VULMSS	VULMSSA		Shore A68	
UTEXH	UTEXHA	UTEXHS	UTEXHSA	Abrasion Resistant Urethane	Shore A90	Dark Brown
UTEXM	UTEXMA	UTEXMS	UTEXMSA		Shore A70	
UTHHS	UTHHSA	UTHHSS	UTHHSSA	Heat Resistant Urethane	Shore A90	Brown

Ⓜ A, B dimension tolerance has been changed. Please refer to the accuracy standards on the right.

Ⓜ Vulkollan® may experience discoloration with time, but physical property / characteristics remain unchanged.

Ⓜ 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.

Ⓜ The adhesive's heat resistance limit is 80° C.

A / B Configurable Type

Standard Type **Hole Type**

One Hole 1H, Two Holes 2H, Three Holes 3H, Four Holes 4H, Six Holes 6H

Bolt Nominal Selection, N (Through Hole), Z (Counterbore)

Accuracy Standards

T Tolerance

T	Tolerance
1-4	±0.3
5-10	±0.4
15-30	±0.5

A / B Tolerance

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

A Selectable - Square

Part Number		T	A Selection
Type			
No Adhesive	(1)	300	500
Adhesive	(2)		
VULHS	3		
VULMS	4		
UTEXH	5		
UTEXM	6		
UTHHS	8		
	*10		
	*15		
	*20		
	*25		
	*30		

Ⓜ Only 300 is available for Vulkollan®.

Ⓜ T (1) and (2) are selectable for abrasion resistant urethane only, Vulkollan® is available for dimensions marked with * only.

Ⓜ Vulkollan® (Shore A68) is only available with T=10 or 15 only.

A Selectable - Band

Part Number		T	A Selection
Type			
No Adhesive	(1)	3	10
Adhesive	(2)		
VULHS	3		
VULMS	4		
UTEXH	5		
UTEXM	6		
UTHHS	8		
	*10		

Ⓜ L dimension is 500 mm.

Ⓜ Vulkollan® is only available with T=10 and the length is 300 mm.

Ⓜ A=B≥T

Ⓜ Vulkollan® is available with * dimensions only.

Ⓜ Vulkollan® (Shore A68) is only available with T=10 or 15.

A / B Configurable - Standard

Part Number		T	1 mm Increment	
Type			A	B
No Adhesive	(1)	10-500	10-300	10-300
Adhesive	(2)			
VULHSS	3			
VULMSS	4			
UTEXHS	5			
UTEXMS	6			
UTHHSS	8			
	*10			
	*15			
	*20			
	*25			
	*30			

Ⓜ A=B≥T

Ⓜ Vulkollan® is available with * dimensions only.

Ⓜ Vulkollan® (Shore A68) is only available with T=10 or 15.

A / B Configurable - Hole Type

Part Number		Nominal	t	1 mm Increment (A≥B≥T)		0.5 mm Increment		Screw Nominal Diameter		Hole Machining Details
Type				A	B	F	G	N (Through Hole)	Z (Counterbored Hole)	
No Adhesive	(1)	1H	3	25-500	25-500	9-491	5-495	3	3	
Adhesive	(2)									
VULHSS	4									
VULMSS	5									
UTEXHS	6									
UTEXMS	8									
UTHHSS	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	2H	4	25-500	25-500	9-291	5-295	4	4	
Adhesive	(2)									
VULHSS	5									
VULMSS	6									
UTEXHS	8									
UTEXMS	*10									
UTHHSS	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	3H	5	25-500	25-500	9-245	9-491	5	5	
Adhesive	(2)									
VULHSS	6									
VULMSS	8									
UTEXHS	*10									
UTEXMS	*15									
UTHHSS	*20									
	*25									
	*30									
No Adhesive	(1)									
Adhesive	(2)									
VULHSS	7									
VULMSS	8									
UTEXHS	*10									
UTEXMS	*15									
UTHHSS	*20									
	*25									
	*30									
No Adhesive	(1)	6H	8	25-500	25-500	9-170	9-291	8	8	
Adhesive	(2)									
VULHSS	9									
VULMSS	10									
UTEXHS	*10									
UTEXMS	*15									
UTHHSS	*20									
	*25									
	*30									

Ⓜ T (1) and (2) are selectable for abrasion resistant urethane only, Vulkollan® is available with * dimensions only. (For Shore A68, only available with T=10 or 15.)

Ⓜ Dimension F Specification Range: For 1H: $d(d_i)/2 + 2.5 \leq F \leq A - d(d_i)/2 - 2.5$, for 2H or 4H: $d(d_i) + 5 \leq F \leq A - d(d_i) - 5$, for 3H or 6H: $d(d_i) + 5 \leq F \leq A/2 - d(d_i)/2 - 2.5$.

Ⓜ Dimension G Specification Range: For 1H, 2H, 3H: $d(d_i)/2 + 2.5 \leq G \leq B - d(d_i)/2 - 2.5$, for 4H, 6H: $d(d_i) + 5 \leq G \leq B - d(d_i) - 5$. (d for through hole, d_i for counterbore)

A Dimension Standard Type

Part Number Example

Part Number	-	A
VULHS10	-	300
UTHHS10	-	100

A, B Dimension Configurable Type

Part Number	-	A	-	B	-	F	-	G	-	Bolt Nominal
VULHSS10	-	300	-	200	-		-		-	
UTEXHS3H5	-	200	-	150	-	F140	-	G120	-	N5

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Vulkollan® / Abrasion Resistant Urethane, continued

Part Number Example

Part Number	-	A	-	B	-	F	-	G	-	Screw Nominal Dia.
UTHSS3H5	-	500	-	400	-	F240	-	G160	-	N8
VULMSS10	-	300	-	200	-		-		-	

Ⓜ Vulkollan® 68° (VULMSS, VULMSSA) is available with * dimensions only.

A Selectable - Square

Part Number		T	A	Available Types						
Type				300			500			
No Adhesive	(1)	300	300	•	•	•	•	•	•	•
Adhesive	(2)									
VULHS	3									
VULMS	4									
UTEXH	5									
UTEXM	6									
UTHHS	8									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	500	500	•	•	•	•	•	•	•
Adhesive	(2)									
VULHS	3									
VULMS	4									
UTEXH	5									
UTEXM	6									
UTHHS	8									
	*10									
	*15									
	*20									
	*25									
	*30									

Ⓜ T (1) and (2) are selectable for abrasion resistant urethane only, Vulkollan® is available with * dimensions only.

A / B Configurable

Part Number		T	A	Available Types						
Type				B						
No Adhesive	(1)	1	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	2	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	3	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	4	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	5	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	6	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									

Ⓜ T (1) and (2) are selectable for abrasion resistant urethane UTEXHS and UTEXMS only.

Part Number Alterations

Part Number	-	A	-	B	-	F	-	G	-	Bolt Nominal
VULHSS4H25	-	100	-	80	-	F60	-	G20	-	25 - YC40

Alterations	Hole Position from Left	Hole Position from Bottom
	XC	YC
Code	XC	YC
Spec.	XC=1 mm Increment Ⓜ 5≤XC≤486(286 for Vulkollan®) Ⓜ (2H, 4H Type) $d(d_i)/2 + 2.5 \leq XC \leq A - F - d(d_i)/2 - 2.5$ Ⓜ (3H, 6H Type) $d(d_i)/2 + 2.5 \leq XC \leq A - 2F - d(d_i)/2 - 2.5$	YC=1 mm Increment Ⓜ 5≤YC≤486(286 for Vulkollan®) Ⓜ (2H, 4H Type) $d(d_i)/2 + 2.5 \leq YC \leq B - G - d(d_i)/2 - 2.5$

Part Number		T	A	Available Types						
Type				B						
No Adhesive	(1)	8	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	10	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	15	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	20	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	25	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	30	10-100	•	•	•	•	•	•	•
Adhesive	(2)									
UTEXHS	3									
UTEXMS	4									
UTHSS	5									
	*10									
	*15									
	*20									
	*25									
	*30									
No Adhesive	(1)	*10	10-100	•						