

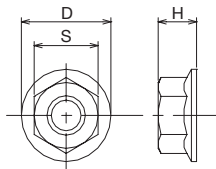
# Wedge Nut

## Order No. Example

**KN-M4** (Iron) / **SUSKN-M4** (Stainless Steel)

Wedge Nut No.


Wedge Nut No.



: SWCH10R Equivalent

: Trivalent Chromate

Type	Size	Pitch P	Radius (S)	Height (H)	Flange Diameter (D)	Weight (g)	Box ¥	No. in Box (Quantity)
KN	M4	0.7	7.0	4.2	10.5	1		
	M5	0.8	8.0	5.0	12.0	2		
	M6	1.0	10.0	6.0	14.0	3		
	M8	1.25	13.0	8.0	17.9	6		
	M10	1.5	17.0	10.5	22.0	9		
	M12	1.75	19.0	13.0	25.0	15		

: Stainless Steel  
(SUS304 equivalent)

Type	Size	Pitch P	Radius (S)	Height (H)	Flange Diameter (D)	Weight (g)	Box ¥	No. in Box (Quantity)
SUSKN	M4	0.7	7.0	4.2	10.5	1		
	M5	0.8	8.0	5.0	12.0	2		
	M6	1.0	10.0	6.0	14.0	3		
	M8	1.25	12.0	8.0	17.5	6		
	M10	1.5	14.0	10.0	21.0	9		
	M12	1.75	17.0	11.5	25.0	15		



Order Method

Wedge Nut No. and box quantity



Guide

\* Orders are in units of boxes, and we do not accept orders for separate items



Postage

3-day shipping

\* Single order system available



Video Guide

You can see the product on video.



# Won't come loose!! Low cost!! Easy mounting!!

## [Features]

- ◇ The thread bottom of the screw is molded in a special "wedge-shaped" form, and by dispersing the load over the entire thread of the screw, its outstanding tightening effect is very pronounced. Since the tip section of the screw has been designed with an optimum angle to evenly contact the surface, it will not come loose.



Wedge Nut	Recommended tightening torque N·m (reference value)
M4	2.2
M5	4
M6	6
M8	15 - 17
M10	20 - 30
M12	40 - 50

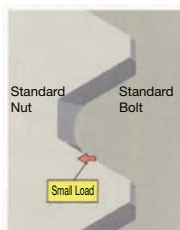
- ◇ Low cost is realized by aiming for a simple shape which does not unduly complicate the manufacturing process.
- ◇ Assembly can be done by hand with very little resistance, even with the connector, and final tightening is carried out with tools/operations as with a normal hex nut.
- ◇ NAS3354 Vibration Test: There was no loosening with the standard maximum value of 30,000 revolutions/minute over a period of approx. 17 minutes.

## [Mechanism]

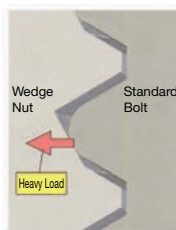
- ◆ Through the increased "radially acting binding force" which occurs due to the tilt on the thread bottom of the screw (the wedge face), a high locking effect is achieved.

Standard Nut: Through contact of the screw face of the bolt/nut, a large load tends to concentrate at the first screw thread, giving rise to a large variation in the axial force, and loosening can easily occur.

Wedge Nut : With the thread bottom tilt portion, the threaded surface and bolt tip portion are subject to a tightening load which ensures a load distributing effect and stabilized axial force, and so, no loosening!



(a) Standard Bolt · Nut



(b) Standard Bolt · Wedge Nut