

Rails for Switches and Sensors / Bar Nuts

L Configurable, Calibrated (Shape A, B and C) / Rails for Photomicrosensors / Standard / With Nut Retainer

Rails for Switches and Sensors / Rail Mount Fittings / Nuts for Rail

Steel, L Selectable / L and Hole Position Configurable

■ **Features:** Calibrated rails facilitate setup of sensors.

■ **L Configurable, Calibrated**

Part Number	Material	Surface Treatment
Shape A SENAS	A6063S-T5	Clear Anodize
Shape B SENBS		
Shape C SENCSS		

⚠ No anodizing on the tip and inner surface.
⚠ Burrs remain on the I.D. of the mounting holes.
⚠ Rail will be cut at an arbitrary place and an actual scale will not be the same as shown above. The scale does not have numbers.

Ⓜ Material: SPHC Ⓢ Surface Treatment: Trivalent Chromate

RoHS 10

■ **L Configurable, Calibrated** (No. indicates the applicable nut size. For Shape A (SENAS), the inside of groove is slightly milled.)

Part Number	L 1mm Increment	Unit Price
Shape A SENAS	3	50~200
Shape B SENBS		
Shape C SENCSS		

Ordering Example: Part Number - L

SENAS3 - 100
SENCSS3 - 150

■ **Rails for Photomicrosensors**

MPSEN7 MPSEN19

Ⓜ Material: SPHC Ⓢ Surface Treatment: Trivalent Chromate

RoHS 10

Part Number	Pitch	L Selection	Unit Price
MPSEN	7 19	50 60 70 80 90 100	

Ordering Example: Part Number - L

MPSEN7 - 70

■ **Bar Nuts**

Type	Material	Surface Treatment
Standard w/ Nut Retainer	SPHC	Trivalent Chromate
SQN		
SQNS	SUS304	

(w/ Nut Retainer) SQNH

(Standard) SQN SQNS

Ⓜ Material: SPHC Ⓢ Surface Treatment: Trivalent Chromate

RoHS 10

⚠ Tapped holes may be somewhat deformed by manufacturing process. (It does NOT affect fitting.)

Ordering Example: Part Number - A - P

SQN4 - 36 - 25.4

Part Number	Type	M	A		P Selection	B	SQN	SQNS	SQNH	Unit Price		
			15	18						Unit Price	Volume Discount Rate	Unit Price
2	3	2	15	8	7	4.0	1.6	1.5	-	-	-	-
			25	18								
			15	6 (6.9)								
			20	8 9 10 12								
			25	14 16 18 19 20								
3	3	3	32	22 24 24.5	5.4	2.3	2.0	-	-	-	-	
			25	16 (16.3) (16)								
			32	20 (20.3) (20)								
			36	25 (25.4)								
			52	(33) (40) (42)								
4	4	4	40	25 28	6.8	3.2	2.0	-	-	-	-	
			42	30 30.2								
			52	32 40 42								
			52	32 40 42								
			72	50 54 60								
5	5	5	72	50 54 60	7.8	3.2	-	-	-	-	-	

Alterations: Part Number - A - (PC)

SQN4 - 28 - PC13

Alteration	Code	Spec.
Pitch Dimension	PC	Changes the hole pitch. PC=1mm Increment (P Specification is not required) Ordering Code: PC13 ⚠ SQNH is not applicable.
	M	PC Range
	2	4 ≤ PC ≤ A-5
	3	5 ≤ PC ≤ A-6
	4	7 ≤ PC ≤ A-8
	5	10 ≤ PC ≤ A-10

⚠ For orders of 100 or more identical pieces, please request a quotation.

■ **Features:** Made of steel. Rails for large switches and sensors. Suitable when rigidity is required.

■ **Steel Rails**

(L Selectable) 2RU

(L and Hole Position Configurable) 2RUS

Ⓜ Material: SPHC Ⓢ Surface Treatment: Trivalent Chromate

RoHS 10

⚠ No trivalent chromate treated on the tip and inner surface.

Part Number	L Selection	Unit Price 1~9 pc(s)	Volume Discount Rate 10~50	Body Price									
				Type	Number of Holes	L	V	W	X	Y	Z		
2RU	100			2RUS	OH (No Hole)	50~1200	10~1190						
	200												
	300												
	400												
	500												
	600												
1000													
1500													

⚠ For orders larger than indicated quantity, please request a quotation.

Ordering Example: Part Number - L - V - W - X - Y - Z

2RU - 400

2RUS5H - 660 - V30 - W180 - X330 - Y480 - Z630

Unit Prices of Length Configurable Hole Type = Body Price in the Table + Hole Machining Charge

Example: Part Number - L - V - W >>

2RUS2H - 300 - V100 - W200

(Unit Price in the Table) + (Hole Machining Charge) = Unit Price for Notched Hole Type

⚠ 2RU can be mounted in two ways. Screw on the rail by inserting rail mount fittings (2P) into both ends, or weld the rail directly onto a machine.

⚠ For attachment of 2RUS, use M6 hex socket head cap screws. Applicable nut is RFM5. The RFM5 and the screws will not interfere as shown in the example.

■ **Rail Mount Fittings**

2P

Ⓜ Material: SPHC Ⓢ Surface Treatment: Trivalent Chromate

RoHS 10

■ **How to Attach 2P**

- Insert the nuts from either end of the rail. (Tap in lightly with a hammer.)
- An RFM nut can be inserted with the 2P fitting attached.

■ **Nuts for Rail**

RFM5

Part	Material	Surface Treatment
Frame	SUS304H	
Nut	SWRM10	Trivalent Chromate

Ⓜ Material: SPHC Ⓢ Surface Treatment: Trivalent Chromate

RoHS 10

■ **How to Attach RFM Nuts**

- RFM and RXM nuts utilize stainless steel spring tension to prevent from falling even when installed on vertical rails.

RFM Nut

Mounting of Parts

■ **Nuts for Rail**

RXM5

Part	Material	Surface Treatment
Frame	SUS304CSP	
Nut	SS400	Trivalent Chromate

Ⓜ Material: SPHC Ⓢ Surface Treatment: Trivalent Chromate

RoHS 10

■ **How to Attach RXM Nuts**

- The RXM nuts can easily be attached in the middle of a rail to facilitate convenient component additions even after the machine building has been completed.

RXM Nut

Place the RXM nut's spring tip on the rail groove and press it with fingers.

Slightly lift the other side of the RXM nut together with its spring, and push it into the rail groove.

Part Number	Unit Price 1~99 pc(s)	Volume Discount Rate 100~149	150~199	200~300
2P				
RFM5				
RXM5				

⚠ For orders larger than indicated quantity, please check with WOS.

Ordering Example: Part Number - A - P

2P RFM5

② Press

③ Press

④ The RXM nut insertion completed.