

Rails for Switches and Sensors / Bar Nuts

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

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

■ **L Configurable, Calibrated**

Part Number	Material	Surface Treatment
Shape A SENAS	EN AW-6063-T5 Equiv.	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.

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■ **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: EN 1.0330 Equiv.
Surface Treatment: Trivalent Chromate

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	EN 1.0320 Equiv. (hot coated)	Trivalent Chromate
w/ Nut Retainer	EN 1.4301 Equiv.	-

(Standard) SQN SQNS SQNH

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

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.

⚠ Dimensions in () are not applicable to SQNS. ⚠ SQNH is applicable to P dimensions denoted with *. ⚠ SQN2-25-18 and SQNS3-15-6.5 are not available. ⚠ For orders larger than indicated quantity, please check with WOS.

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

Steel, L Selectable / L and Hole Position Configurable

■ **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

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⚠ No trivalent chromate treated on the tip and inner surface.
Material: EN 1.0320 Equiv. (hot coiled) Surface Treatment: Trivalent Chromate

Part Number	L Selection	Unit Price	Volume Discount Rate
2RU	100	1~9 pc(s)	10~50
	200		
	300		
	400		
	500		
	600		
	1000		
1500			

Part Number	1mm Increment	Hole Machining Charge	Body Price	
2RUS	Type	Number of Holes	L50 L101 L201 L401 L601 L801 L1001 L1201	
	2RUS	OH (No Hole)		
		2H	50~1200	10~1190
		3H		
		4H		
		5H		

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

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

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: EN 1.0320 Equiv. (hot coiled)
Surface Treatment: Trivalent Chromate

■ **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	EN 1.4301 Equiv.	-
Nut	JIS-SWRM10	Trivalent Chromate

■ **How to Attach RFM Nuts**

RFM Nut

Mounting of Parts

■ **Nuts for Rail**

RXM5

Part	Material	Surface Treatment
Frame	SUS304CSP	-
Nut	EN 1.0038 Equiv.	Trivalent Chromate

■ **How to Attach RXM Nuts**

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

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

Ordering Example: Part Number - 2P RFM5

The RXM nut insertion completed.