Rails for Switches and Sensors

L Configurable, Hole Position Configurable, Through Hole / Notched Hole (Shape A)

Bar Nuts P.2083

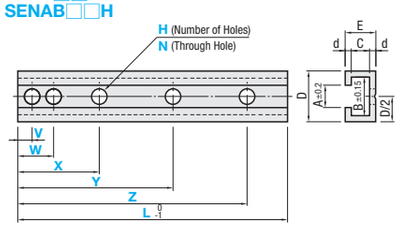
L Configurable, L and Hole Position Configurable Shape A

RoHS10

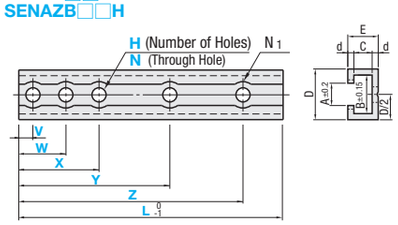
Part Number		Material	Surface Treatment
Through Hole Type	Notched Hole Type		
SENA□□H	SENAZ□□H	A6063S-T5	Clear Anodize
SENAB□□H	SENAZB□□H		Black Anodize

No anodizing on the tip and inner surface.
Burrs will remain inside of the mounting hole for Through Hole / Notched Hole Type.

Through Hole Type
SENA□□H
SENAB□□H



Notched Hole Type
SENAZ□□H
SENAZB□□H



Through Hole Type

No. indicates the applicable nut size.

Bar Nuts P.2083

Part Number			L 1mm Increment	V W X Y Z 1mm Increment	N 0.5mm Increment	A	B	C	D	E	d
Type	No.	H (Number of Holes)									
SENA SENAB	3	2H 3H 4H 5H	50~1200	5~1195	3.5	3.4	5.7	3.0	9	6.0	1.5
	4				3.5~4.5	4.5	7.2	4.0	11	8.0	2.0
	5				3.5~5.5	5.5	8.2	5.5	12	9.5	

Please specify the mounting hole pitch as N+1.5mm or more.

Notched Hole Type

No. indicates the applicable nut size. For No. 3, the inside of groove is slightly milled.

Bar Nuts P.2083

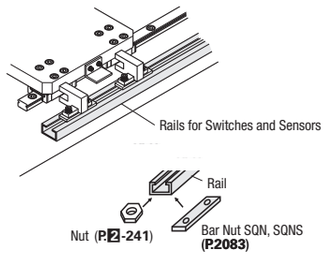
Part Number			L 1mm Increment	V W X Y Z 1mm Increment	N	N1	A	B	C	D	E	d
Type	No.	H (Number of Holes)										
SENAZ SENAZB	3	2H 3H 4H 5H	50~1200	10~1190	3.5	6.5	3.4	5.7	3.0	9	6.0	1.5
	4						4.5	7.2	4.0	11	8.0	2.0
	5						5.5	8.2	5.5	12	9.5	

Please specify the mounting hole pitch by 8mm or more.

Ordering Example

Part Number													
Type	No.	H (Number of Holes)	-	L	-	V	-	W	-	X	-	Y	-	Z	-	N
SENA	3	3H	-	100	-	V10	-	W70	-	X82					-	N3.5
SENA	3	4H	-	658	-	V10	-	W300	-	X350	-	Y648			-	N4.5
SENA	3	5H	-	1100	-	V10	-	W300	-	X540	-	Y648	-	Z1090	-	N5.0
SENAZ	4	2H	-	200	-	V10	-	W70								

Example



Through Hole Type

No.	Body Price (Clear Anodize) SENA							Body Price (Black Anodize) SENAB						
	L50~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200	L50~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200
3														
4														
5														

Notched Hole Type

No.	Body Price (Clear Anodize) SENAZ							Body Price (Black Anodize) SENAZB						
	L50~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200	L50~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200
3														
4														
5														

Hole Machining Charge

H (Number of Holes)	SENA SENAB Through Hole	SENAZ SENAZB Notched Hole
2H		
3H		
4H		
5H		

Unit Price = Body Price in the Table + Hole Machining Charge

(Ex.) Part Number - L - V - W - N >>
SENA32H - 200 - V10 - W70 - N3.5
(Unit Price in the Table) + (Hole Machining Charge) =Unit Price for Through Hole Type

(Ex.) Part Number - L - V - W >>
SENAZ42H - 200 - V10 - W70
(Unit Price in the Table)+ (Hole Machining Charge) = Unit Price for Notched Hole Type

Rails for Switches and Sensors

L Configurable, Hole Position Configurable, Countersunk Hole/Counterbored Hole (Shape A)

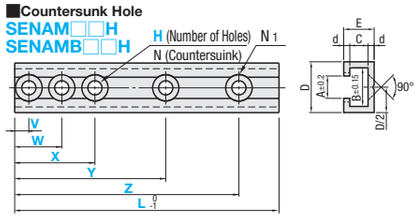
Bar Nuts P.2083

L Configurable, L and Hole Position Configurable Shape A

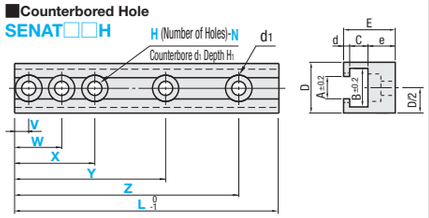
Part Number		Material	Surface Treatment
Countersunk Hole	Counterbored Hole		
SENAM□□H	SENAT□□H	A6063S-T5	Clear Anodize
SENAMB□□H	-		Black Anodize

No anodizing on the tip and inner surface.
Burrs will remain inside of the mounting hole for Counterbored Hole Type.
When d1>B of Counterbored Hole Type, the inside of groove is slightly milled.

Countersunk Hole
SENAM□□H
SENAMB□□H



Counterbored Hole
SENAT□□H



Counterbore Shapes

N	Screw	d1	H1
3.5	M3	6	3
4.0			
4.5	M4	8	3.5
5.0			
5.5	M5	9	4

*Recommended screw is Low Head Screw CBS (P.2-194)

Countersunk Hole

No. indicates the applicable nut size. For No. 3, the inside of groove is slightly milled.

Bar Nuts P.2083

Part Number			L 1mm Increment	V W X Y Z 1mm Increment	N	N1	A	B	C	D	E	d
Type	No.	H (Number of Holes)										
SENAM SENAMB	3	2H 3H 4H 5H	50~1200	10~1190	3.5	6.0	3.4	5.7	3.0	9	6.0	1.5
	4						4.5	7.2	4.0	11	8.0	2.0
	5						5.5	8.2	5.5	12	9.5	

Please specify the mounting hole pitch by 8mm or more.

Counterbored Hole

No. indicates the applicable nut size. For No. 3, the inside is slightly milled.

Bar Nuts P.2083

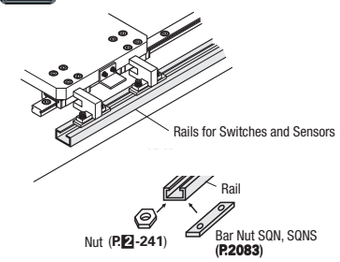
Part Number			L 1mm Increment	V W X Y Z 1mm Increment	N 0.5mm Increment	A	B	C	D	E	d	e
Type	No.	H (Number of Holes)										
SENAT	3	2H 3H 4H 5H	50~1200	10~1190	3.5	3.4	5.8	3.0	9	9.5	1.5	5
	4				3.5~4.5	4.5	7.3	4.0	11	11.0	2.0	
	5				3.5~5.5	5.5	8.3	5.5	12	12.5		

Please specify the mounting hole pitch as N+1.5mm or more.

Ordering Example

Part Number																
Type	No.	H (Number of Holes)	-	L	-	V	-	W	-	X	-	Y	-	Z	-	N
SENAM	5	3H	-	1000	-	V10	-	W30	-	X500						
SENAMB	3	2H	-	500	-	V10	-	W70								
SENAT	4	2H	-	200	-	V10	-	W70							-	N3.5

Example



Countersunk Hole

No.	Body Price (Clear Anodize) SENAM							Body Price (Black Anodize) SENAMB						
	L50~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200	L50~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200
3														
4														
5														

Counterbored Hole

No.	Body Price (Clear Anodize) SENAT						
	L50~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200
3							
4							
5							

Hole Machining Charge

H (Number of Holes)	SENAM SENAMB Countersunk Hole	SENAT Counterbored Hole
2H		
3H		
4H		
5H		

Unit Price = Body Price in the Table + Hole Machining Charge

(Ex.) Part Number - L - V - W >>
SENAM32H - 200 - V10 - W70
(Unit Price in the Table) + (Hole Machining Charge) =Unit Price for Countersunk Hole Type

(Ex.) Part Number - L - V - W - N >>
SENAT42H - 200 - V10 - W70 - N3.5
(Unit Price in the Table)+ (Hole Machining Charge) = Unit Price for Counterbore Hole Type