

Hair Pins / Cotter Pins / Scale Tapes

Angle Scales / Bubble Levels

Hair Pins RoHS 10

RNPN

JNPN / JNSPN (Stainless Steel)

Type	Material	Surface Treatment
RNPN	SWRH6 Carbon Wire Steel (JIS)	Trivalent Chromate
JNPN	SWRH6 Carbon Wire Steel (JIS)	Trivalent Chromate
JNSPN	304 Stainless Steel	-

Part Number Type	No.	d (Wire Dia.)	L	L1	L2	R	h	D1 (Applicable Shaft Dia.)	D2 (Shaft Bore Dia.)	Small Order Charge	Unit Price	Volume Discount Rate
RNPN	6	1.2	25.2	9.7	3.9	3	1.4	6	1.5	1-4 pcs.	5-199 pcs.	200 or More
	8	1.6	33.8	13.1	5.3	4	2.1	8	1.9			
	10	1.8	40.2	15.7	5.7	5	3	10	2.2			
	12	2	46	17.5	6	6	4	12	2.4			

Part Number Type	No.	d (Wire Dia.)	d1	L	L1	L2	R	h	S	D1 (Applicable Shaft Dia.)	D2 (Shaft Bore Dia.)	Small Order Charge	Unit Price	Volume Discount Rate
JNPN / JNSPN (Stainless Steel)	4	1	3	16.3	6	1.5	2	1	0.5	4	1.2	1-4 pcs.	5-199 pcs.	200 or More
	5	1.2	3.6	17.9	6.5		2.5	1.5	0.6	5	1.5			
	6	1.6	4.8	21.2	7.8		3	1.8	0.8	6	1.9			
	8	1.6	4.8	27.7	10.4		4	2.4	0.8	8	2.2			
	10	1.8	5.4	32.6	12.2		5	3.2	0.9	10	2.4			

Cotter Pins

NPN / NSPN (Stainless Steel)

Part Number Type	No.	L	d	a (Approx.)	b	c	Small Order Charge	Unit Price	Volume Discount Rate
NPN / NSPN (Stainless Steel)	0.8	8	10	12	0.7	1.6	2.4	1.4	1-4 pcs.
	1	10	12	15	0.9	3	1.8		
	1.2	10	12	15	1	3	2		
	1.6	10	12	15	1.4	3.2	2.8		
	2	12	15	1.8	4	3.6			

Ordering Example: Part Number - L
RNPN6
NSPN3.2 - 20

Days to Ship [Configure Online](#)

Price [Configure Online](#)

Scale Tapes

TMEL (Zero Left End)

TMER (Zero Right End)

TMEPL (Zero Left End)

TMEPR (Zero Right End)

TMEPN (No Number)

Material Structure

- Protection Film 0.06mm
- PET Film 0.10mm
- Aluminum Foil 0.05mm
- Adhesive Layer (Acrylic) 0.03mm
- Backing Paper 0.08mm

Zero Point Position (Graduation)	Part Number Type	L	Thickness	Scale Increment	Unit Price
Left End (0-1000)	TMEL	1000	0.18	1mm Increment	
Right End (0-1000)	TMER				
Left End (0-100)	TMEPL				
Right End (0-100)	TMEPR				
-	TMEPN				
Left End (0-1000, 1000-2000)	TMELF	2000			
Right End (0-1000, 1000-2000)	TMERF				

Ordering Example: Part Number - L
TMEPL-2000

Days to Ship [Configure Online](#)

Price [Configure Online](#)

Ordering Example: Part Number - L
TMERF-2000

Days to Ship [Configure Online](#)

*Use as measuring tools for slide adjustment of machines and equipment.

Angle Scales Plate Type RoHS 10

MEAA (180-Degree Type)

MEAB (90-Degree Type)

*Zero at Right (R)
*Zero at Left (L)
*Zero at Center (C)

Material: 304 Stainless Steel No Tape

Part Number Type	Graduation Direction	D	V	H	X	Y	Unit Price
MEAA 180 Degree Type	C (Zero at Center)	40	20	3	13.5	11.5	
		60	30		20	17	
		100	50		36	26	
		140	80	48	40		

Part Number Type	Graduation Direction	D	V	H	X1	Y1	X2	Y2	Unit Price
MEAB 90-Degree Type	L (Zero at Left)	20	10	3	12	5	5	12	
	R (Zero at Right)	30	15		17	7	7	17	
	C (Zero at Center)	50	25		29	12	12	29	
		70	40		43	18	18	43	

Ordering Example: Part Number - V - H
MEABC50 - 25 - 3

Days to Ship [Configure Online](#)

Price [Configure Online](#)

Angle Scales - Double-Sided Adhesive Tape

MEAN

*Zero at Left (L)
*Zero at Right (R)
*Zero at Center (C)

Material: 1050 Aluminum Alloy With Tape

For D40 and D60, angle graduations are marked in 5 degree increment.
For D100 and D140, angle graduations are marked in 1 degree increment.

Part Number Type	Graduation Direction	D	V	Unit Price
MEAN	L (Zero at Left)	40	10 12 16 20	
	C (Zero at Center)	60	16 20 25 30	
	R (Zero at Right)	100	30 35 40 50	
		140	40 50 60 80	

Ordering Example: Part Number - V
MEANC60 - 25

Days to Ship [Configure Online](#)

Price [Configure Online](#)

*Zero position varies depending on the graduation direction.

*Similar products are available. For Adjusting Collars **P:1073**

Alterations: Part Number - V - (HC)
MEANC140 - 60 - HC

[Configure Online](#)

Alterations

Alterations	Code	Spec.	Price Adder
Hole Machining	HC	Adds mounting holes at hole machining marks. MEAN: Ø3.5x2 places Adhesive tape is affixed to the back. (Mounting Hole Dimension Diagram) Available for MEAN only.	

D	X	Y
40	13.5	11.5
60	20	17
100	36	26
140	51	36

Example: MEAN

Bubble Levels (Mounting Type) RoHS 10

SMTD

Material: 5052 Aluminum Alloy Glass
Surface Treatment: Black Anodize
Max. Operating Temp.: 55°C

Part Number Type	D	A	B	h	h2	Mounting Hole (N)	Sensitivity	Unit Price
SMTD	28	16	22	10.5	3.5	2	38"12" (R-180)	
	32	20	27	12.0	4.0	3	38"12" (R-180)	

Ordering Example: Part Number - SMTD28

Days to Ship [Configure Online](#)

Bubble Levels (Embedded Type) RoHS 10

SMH

Material: ABS Resin Plastic Glass
Max. Operating Temp.: 55°C

Part Number Type	D	A	h	h2	Sensitivity	Unit Price
SMH	20	16.7	11	9.5	38"12" (R-180)	

Ordering Example: Part Number - SMH20

Days to Ship [Configure Online](#)

Ordering Example: Part Number - SMTD28

Days to Ship [Configure Online](#)

Price [Configure Online](#)