

Basic Guide Pins

Tip Shape Selectable, Eccentric

■ **Features:** Pin-shaped Basic Guides that can be used to various shapes of workpieces. Tip shapes and mounting parts are selectable.

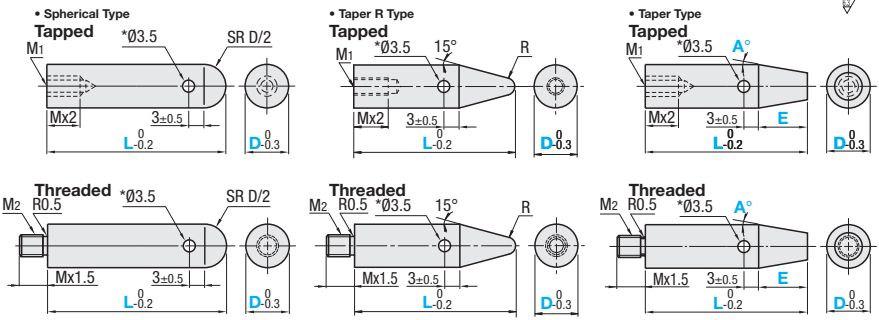
■ Tip Shape Selectable



Mounting Part	Type			Material	Surface Treatment
	Sphere	Taper R	Tapered		
Tapped	RGPT	RGPR	RGPT	EN 1.1191 Equiv.	Electroless Nickel Plating
	RGPS	RGPRS	RGPTS	EN 1.4301 Equiv.	-
Threaded	RGPN	RGPRN	RGPTN	EN 1.1191 Equiv.	Electroless Nickel Plating
	RGPNs	RGPRNs	RGPTNs	EN 1.4301 Equiv.	-

Reference: $\tan 15^\circ \approx 0.267$
 $\tan 45^\circ = 1$
 $\tan 30^\circ \approx 0.577$
 $\tan 60^\circ \approx 1.732$

⚠ When D=6, $\varnothing 2.0$
When D=20 and 25, $\varnothing 5.0$



■ Spherical Type

Part Number	Type	D	L 1mm Increment	M1 (Coarse)	M2 (Coarse)
Tapped RGPT RGPS	6	15~100	3	-	-
	8	20~100	4	5	-
	10	20~100	4	5	-
Threaded RGPN RGPNs	12	21~100	5	6	-
	15	26~100	-	8	-
	20	28~100	6	-	-
	25	31~100	10	-	-

■ Taper R Type

Part Number	Type	D	L 1mm Increment	M1 (Coarse)	M2 (Coarse)	R
Tapped RGPR RGPRS	6	20~100	3	-	1	-
	8	24~100	4	5	1.5	-
	10	26~100	4	5	2	-
Threaded RGPRN RGPRNs	12	32~100	5	6	2	-
	15	40~100	-	8	-	-
	20	47~100	6	-	-	-
	25	57~100	10	3	-	-

■ Taper Type

Part Number		L	E	A	M Coarse	M Coarse	
Type	D	1mm Increment	0.5mm Increment	1° Increment			
Tapped RGPT RGPTS	6	20~100	For Tapped 5.0±E E≤L-M1x3	1~45	3	-	
	8				4	5	
	10				5	6	
	12				6	8	
Threaded RGPTN RGPTNS	15		For Threaded 5.0±E E≤L-7		6	8	10
	20						
	25						

⚠ Threaded Type is available only when D≥10.

⚠ L-Mx2≥(D x 1.85)-(R x 2.75)-1

⚠ Threaded Type is available only when D≥10.

⚠ D-2EtanA≥1.0 (Tip diameter $\varnothing 1.0$ or more)

⚠ Threaded Type is available only when D≥10.

Ordering Example
Part Number - L - E - A
RGPT10 - 40 - E10 - A5

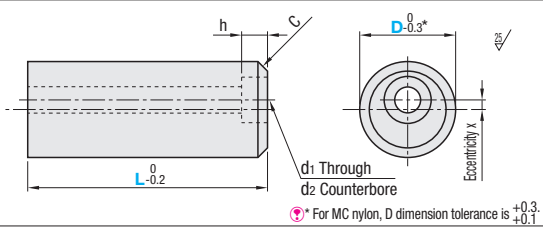
D	Unit Price															
	Spherical Type				Taper R Type				Taper Type							
	L15~59	L60~100	L20~59	L60~100	L20~59	L60~100	L20~59	L60~100	L20~59	L60~100	L20~59	L60~100	L20~59	L60~100	L20~59	L60~100
	RGPT	RGPS	RGPN	RGPNs	RGPR	RGPRS	RGPRN	RGPRNs	RGPT	RGPTS	RGPTN	RGPTNs	RGPT	RGPTS	RGPTN	RGPTNs
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

■ Eccentric



Type	Material	Surface Treatment
RGPEZ	EN 1.1191 Equiv.	Electroless Nickel Plating
RGPEZS	EN 1.4301 Equiv.	-
RGPEZMC	MC Nylon	-

⚠ D6 has no counterbored hole. It only has through holes.

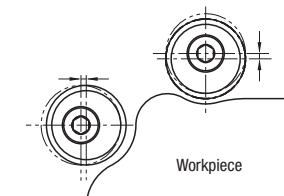


⚠ For MC nylon, D dimension tolerance is $+0.3/-0.1$

Part Number	Type	D	L 10mm Increment	d1	d2	C	h				Applicable Screw	Eccentricity x	Unit Price			
							L10~40	L50~100	L110~120	L130, 140			L10~60	L70~100	L110~140	
							RGPEZ	RGPEZS	RGPEZMC	RGPEZ	RGPEZS	RGPEZMC	RGPEZ	RGPEZS	RGPEZMC	
RGPEZ RGPEZS RGPEZMC	6	10~30	3.5	-	0.2	-	-	-	-	-	M3	0.5	-	-	-	-
	12	20~40	4.5	8	0.2	-	5	-	-	-	M4	1	-	-	-	-
	15	20~50	4.5	8	0.2	-	5	-	-	-	M4	2	-	-	-	-
	20	30~70	5.5	9.5	1	-	6	20	-	-	M5	2	-	-	-	-
	25	30~120	6.6	11	1	-	7	25	-	-	M6	2	-	-	-	-
	30	30~140	9	14	1	-	9	30	-	-	M8	2	-	-	-	-

Ordering Example
Part Number - L
RGPEZ25 - 80

Example



Eccentricity in the counterbored hole position makes fine adjustments of guiding position possible.
Suitable for guiding workpieces which are not accurate in finished dimensions, such as castings.

Basic Guides

Standard, Narrow

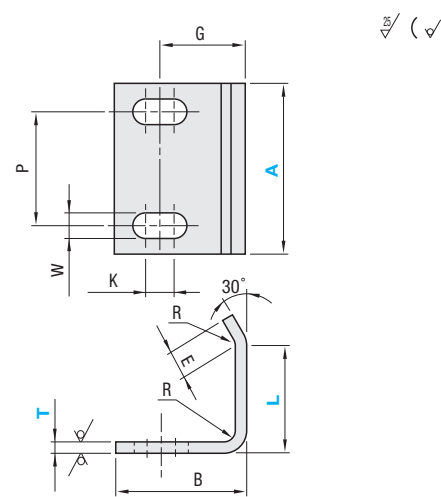
■ **Features:** This guide can be used as a tool to guide a workpiece into a fixture. For the Basic Guides for Welding Fixtures, see P.1749.

■ Standard



Part Number	Material	Surface Treatment
RGH	EN 1.0330 Equiv.	-
RGHN	EN 1.0330 Equiv.	Electroless Nickel Plating
RGHS	EN 1.4301 Equiv.	-

⚠ When plate thickness is 4.5, material is EN 1.0320 Equiv. (hot coiled).



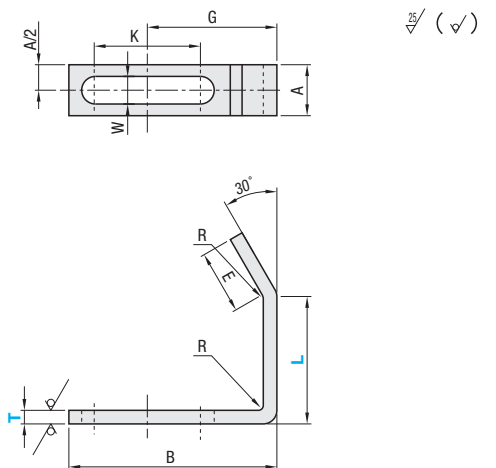
Part Number	T Selection		A Selection	L 5mm Increment	B	E	P	K	W	G	Rmax	Unit Price		
	EN 1.0330 Equiv.	EN 1.4301 Equiv.										RGH	RGHN	RGHS
RGH RGHN RGHS	1.6	1.5	20 30	15~50	23	6	12	10	3.5	13.8	1.5	-	-	-
	2.3	2.0	30 40	20~60	26	10	20	10	4.5	16.3	2	-	-	-
	3.2	3.0	35 40	30~80	32	15	20	10	6.5	21.3	3	-	-	-
	4.5	4.0	35 40 50	40~100	35	20	20	10	6.5	23.3	4	-	-	-

■ Narrow



Part Number	Material	Surface Treatment
RGN	EN 1.0330 Equiv.	-
RGNN	EN 1.0330 Equiv.	Electroless Nickel Plating
RGNS	EN 1.4301 Equiv.	-

⚠ When plate thickness is 4.5, material is EN 1.0320 Equiv. (hot coiled).



Part Number	T Selection		L 5mm Increment	A	B	E	K	W	G	Rmax	Unit Price		
	EN 1.0330 Equiv.	EN 1.4301 Equiv.									RGN	RGNN	RGNS
RGN RGNN RGNS	2.3	2.0	10~50	10	40	10	24	4.5	23	2	-	-	-
	3.2	3.0	20~70	12	52	15	30	6.5	31	3	-	-	-
	4.5	4.0	20~70	12	55	20	30	6.5	34	4	-	-	-

Ordering Example
Part Number - T - A - L
RGH - 1.6 - 20 - 15

■ Narrow

Part Number - T - L
RGNS - 3.0 - 40