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BODY

Passivated aluminium.

- **GN 715-KA:** acetal resin based (POM) technopolymer oscillating pin, without gasket.
- **GN 715-KB:** acetal resin based (POM) technopolymer oscillating pin, with NBR synthetic rubber gasket.
- **GN 715-SA:** zinc-plated hardened steel oscillating pin, without gasket.
- **GN 715-SB:** zinc-plated hardened steel oscillating pin with NBR synthetic rubber gasket.

SPRING

Steel with load:

- low (grey colour)
- medium (black colour)
- high (silver colour)

FEATURES AND APPLICATIONS

GN 715 side thrust spring pins are practical and versatile elements for positioning and locking pieces to be machined. They are used for operations such as boring, milling, tapping, welding, brazing, mounting, gluing, temporary or permanent equipping, marking, engraving, etc...

They completely replace expensive equipment, take a limited space and are easily assembled to holes drilled with H8 tolerance. To make it easier to mount the side thrust spring pins, it is recommended to use GN 715.1 assembly tool (when ordering, please specify the diameter D of the corresponding side thrust spring pin, for example: GN 715.1-8).

prevents the pin from slipping out from the housing hole.

TECHNICAL DATA

w = movement of the oscillating pin from the initial position

F(N) = side load

F₀ = pre-load

1.1 x F₀ = final load

a₂ - a₁ = contact point area (suggested)

x = distance from pin axis to contact point due to pin movement equal to w/2

x₁ = distance x for contact point a₁

x₂ = distance x for contact point a₂

l₀ = distance from centre of thrust pin attachment to piece support point

l = l_m + x where l_m = average length of the piece (l_{max} x l_{min}) : 2

For contact point between a₁ and a₂ (according to

For contact point between a₁ and a₂ (according to the height of the piece), the value x is obtained through interpolation between x₁ and x₂.

In compliance with the above mentioned data, the movement of the oscillating pin may cover the normal tolerances of the piece to be machined.

ACCESSORIES ON REQUEST

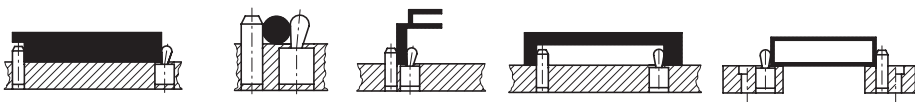
To obtain a more precise adjustment of the side thrust spring pins are available eccentric bushings GN 715.2 (see page 852) providing different positionings.

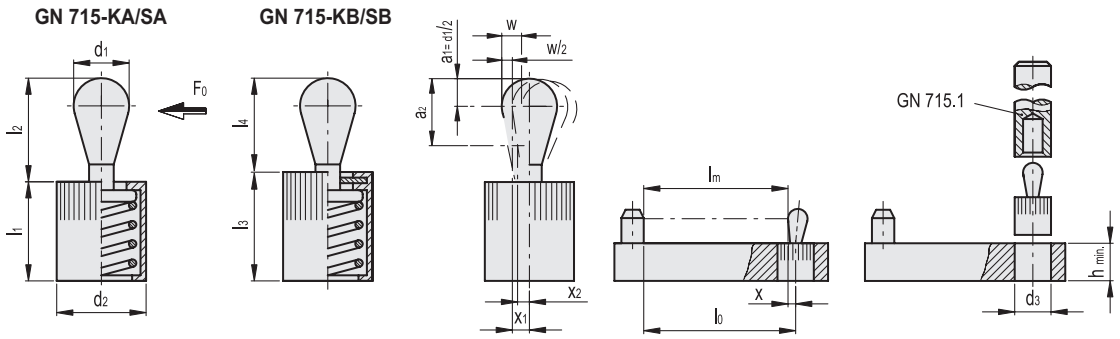
SPECIAL EXECUTIONS ON REQUEST

- GN 714: without thrust pin with threaded thrust plate.



Application example





GN 715-K

Code	Description	d1	d2	d3 H8	l1-1	l2	l3-1	l4	hmin	a1	a2	x1	x2	w	F0 [N]	
GN.37100	GN 715-3-10-KA	3	6	6	7	4	-	-	7	1.5	3.5	1	0.75	0.9	10	1
GN.37110	GN 715-5-20-KA	5	10	10	11	6.7	-	-	12	2.5	5.7	1.7	1.3	1.6	20	1
GN.37120	GN 715-6-40-KA	6	10	10	11	10.7	-	-	12	3	7.7	1.9	1.4	1.8	40	1
GN.37130	GN 715-8-50-KA	8	12	12	13	13.9	-	-	14	4	8.9	2.7	2.1	2.6	50	3
GN.37140	GN 715-10-100-KA	10	16	16	17	16.7	-	-	18	5	10.7	3.4	2.7	3.2	100	6
GN.37102	GN 715-3-10-KB	3	6	6	-	-	7	4	7	1.5	3.5	1	0.75	0.9	10	1
GN.37112	GN 715-5-20-KB	5	10	10	-	-	11.5	6	12	2.5	5.7	1.7	1.3	1.6	20	1
GN.37122	GN 715-6-40-KB	6	10	10	-	-	11.5	10	12	3	7.7	1.9	1.4	1.8	40	2
GN.37132	GN 715-8-50-KB	8	12	12	-	-	14	13	14	4	8.9	2.7	2.1	2.6	50	3
GN.37142	GN 715-10-100-KB	10	16	16	-	-	18	16	18	5	10.7	3.4	2.7	3.2	100	7

GN 715-S

Code	Description	d1	d2	d3 H8	l1-1	l2	l3-1	l4	hmin	a1	a2	x1	x2	w	F0 [N]	
GN.37101	GN 715-3-10-SA	3	6	6	7	4	-	-	7	1.5	3.5	1	0.75	0.9	10	1
GN.37103	GN 715-3-20-SA	3	6	6	7	4	-	-	7	1.5	3.5	1	0.75	0.9	20	1
GN.37106	GN 715-3-40-SA	3	6	6	7	4	-	-	7	1.5	3.5	1	0.75	0.9	40	1
GN.37111	GN 715-5-20-SA	5	10	10	11	6.7	-	-	12	2.5	5.7	1.7	1.3	1.6	20	3
GN.37113	GN 715-5-50-SA	5	10	10	11	6.7	-	-	12	2.5	5.7	1.7	1.3	1.6	50	3
GN.37116	GN 715-5-100-SA	5	10	10	11	6.7	-	-	12	2.5	5.7	1.7	1.3	1.6	100	3
GN.37121	GN 715-6-40-SA	6	10	10	11	10.7	-	-	12	3	7.7	1.9	1.4	1.8	40	3
GN.37123	GN 715-6-75-SA	6	10	10	11	10.7	-	-	12	3	7.7	1.9	1.4	1.8	75	4
GN.37126	GN 715-6-150-SA	6	10	10	11	10.7	-	-	12	3	7.7	1.9	1.4	1.8	150	4
GN.37131	GN 715-8-50-SA	8	12	12	13	13.9	-	-	14	4	8.9	2.7	2.1	2.6	50	7
GN.37133	GN 715-8-100-SA	8	12	12	13	13.9	-	-	14	4	8.9	2.7	2.1	2.6	100	7
GN.37136	GN 715-8-200-SA	8	12	12	13	13.9	-	-	14	4	8.9	2.7	2.1	2.6	200	7
GN.37141	GN 715-10-100-SA	10	16	16	17	16.7	-	-	18	5	10.7	3.4	2.7	3.2	100	15
GN.37143	GN 715-10-200-SA	10	16	16	17	16.7	-	-	18	5	10.7	3.4	2.7	3.2	200	15
GN.37146	GN 715-10-300-SA	10	16	16	17	16.7	-	-	18	5	10.7	3.4	2.7	3.2	300	16
GN.37201	GN 715-3-10-SB	3	6	6	7	4	7	4	7	1.5	3.5	1	0.75	0.9	10	1
GN.37203	GN 715-3-20-SB	3	6	6	7	4	7	4	7	1.5	3.5	1	0.75	0.9	20	1
GN.37206	GN 715-3-40-SB	3	6	6	7	4	7	4	7	1.5	3.5	1	0.75	0.9	40	1
GN.37211	GN 715-5-20-SB	5	10	10	11.5	6	11.5	6	12	2.5	5.7	1.7	1.3	1.6	20	3
GN.37213	GN 715-5-50-SB	5	10	10	11.5	6	11.5	6	12	2.5	5.7	1.7	1.3	1.6	50	3
GN.37216	GN 715-5-100-SB	5	10	10	11.5	6	11.5	6	12	2.5	5.7	1.7	1.3	1.6	100	3
GN.37221	GN 715-6-40-SB	6	10	10	11.5	10	11.5	10	12	3	7.7	1.9	1.4	1.8	40	3
GN.37223	GN 715-6-75-SB	6	10	10	11.5	10	11.5	10	12	3	7.7	1.9	1.4	1.8	75	4
GN.37226	GN 715-6-150-SB	6	10	10	11.5	10	11.5	10	12	3	7.7	1.9	1.4	1.8	150	4
GN.37231	GN 715-8-50-SB	8	12	12	14	13	14	13	14	4	8.9	2.7	2.1	2.6	50	7
GN.37233	GN 715-8-100-SB	8	12	12	14	13	14	13	14	4	8.9	2.7	2.1	2.6	100	7
GN.37236	GN 715-8-200-SB	8	12	12	14	13	14	13	14	4	8.9	2.7	2.1	2.6	200	7
GN.37241	GN 715-10-100-SB	10	16	16	18	16	18	16	18	5	10.7	3.4	2.7	3.2	100	15
GN.37243	GN 715-10-200-SB	10	16	16	18	16	18	16	18	5	10.7	3.4	2.7	3.2	200	14
GN.37246	GN 715-10-300-SB	10	16	16	18	16	18	16	18	5	10.7	3.4	2.7	3.2	300	16



Indexing and positioning elements