

Item description/product images



Description

Material:

Sleeve and spring plastic

Thrust pin steel, stainless steel or POM

Version:

Thrust pin (steel) case-hardened and black oxidised.

Thrust pin (stainless steel) bright

Thrust pin (POM) white.

Note:

Lateral spring plungers are used for positioning, holding and fastening workpieces in applications where there is increased presence of dirt.

For example: painting and sandblasting.

Calculation dimension X:

$Y > = L1 - D1/2$, therefore $X = D1/2 - S$

$Y < L1 - D1/2$, therefore $X = D1/2 - S - ((L1 - D1/2 - Y) * 0,123)$

Light spring force = blue spring

Standard spring force = red spring

Strong spring force = green spring

Assembly:

The sleeve is pressed into the hole.

It is recommended to moisten the sleeve before assembly.

Drawing reference:

1) Assembly tool

2) Some sizes have a different pin form

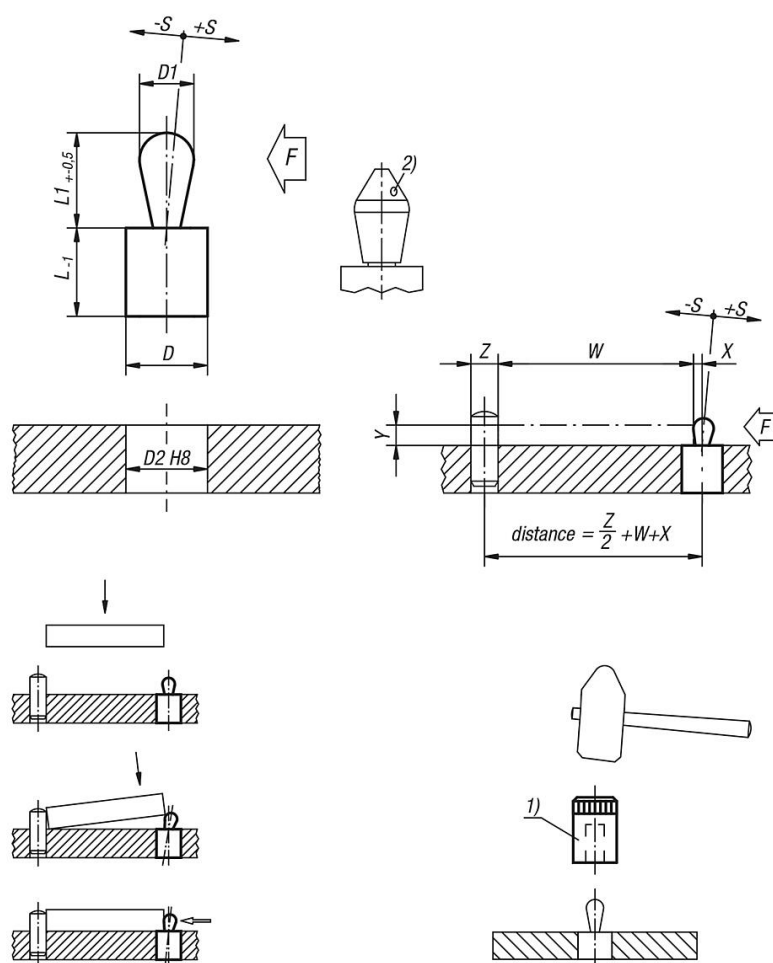
Y = workpiece height

W = workpiece length

X = coordinate dimension

Z = stop diameter

Drawings



Overview of items

Order No.	Version 1	Version 2	Component material	D	D1	D2	L	L1	±S	F ca.N	Order No. assembly tool
03330-01-100307	pneumatic	Precision centric clamp 50 mm	0.01	6	3	5,9	7	3,7	0,4	10	03330-01-03
03330-01-100409	pneumatic	-	0.01	8	4	7,9	9	5,2	0,6	15	03330-01-04
03330-01-100509	pneumatic	-	0.01	10	5	9,9	9	7,3	0,8	30	03330-01-05
03330-01-100609	pneumatic	-	0.01	10	6	9,9	9	10,3	1	20	03330-01-05
03330-01-200307	grub screw with slot	Precision centric clamp 50 mm	0.01	6	3	5,9	7	3,7	0,4	20	03330-01-03
03330-01-200409	grub screw with slot	-	0.01	8	4	7,9	9	5,2	0,6	30	03330-01-04
03330-01-200509	grub screw with slot	-	0.01	10	5	9,9	9	7,3	0,8	60	03330-01-05
03330-01-200609	grub screw with slot	-	0.01	10	6	9,9	9	10,3	1	30	03330-01-05
03330-01-200813	grub screw with slot	-	0.01	12	8	11,9	13	13,3	1,2	50	03330-01-08
03330-01-201016	grub screw with slot	-	0.01	16	10	15,9	16	16,9	1,6	80	03330-01-10
03330-01-300509	Pneumatic clamp	-	0.01	10	5	9,9	9	7,3	0,8	90	03330-01-05
03330-01-300609	Pneumatic clamp	-	0.01	10	6	9,9	9	10,3	1	60	03330-01-05
03330-01-300813	Pneumatic clamp	-	0.01	12	8	11,9	13	13,3	1,2	100	03330-01-08
03330-01-301016	Pneumatic clamp	-	0.01	16	10	15,9	16	16,9	1,6	160	03330-01-10
03330-01-110307	pneumatic	Precision centric clamp 50 mm	2-piece	6	3	2,9	7	3,7	0,4	10	03330-01-03
03330-01-110409	pneumatic	-	2-piece	8	4	7,9	9	5,2	0,6	15	03330-01-04
03330-01-110509	pneumatic	-	2-piece	10	5	9,9	9	7,3	0,8	30	03330-01-05
03330-01-110609	pneumatic	-	2-piece	10	6	9,9	9	10,3	1	20	03330-01-05
03330-01-210307	grub screw with slot	Precision centric clamp 50 mm	2-piece	6	3	5,9	7	3,7	0,4	20	03330-01-03
03330-01-210409	grub screw with slot	-	2-piece	8	4	7,9	9	5,2	0,6	30	03330-01-04
03330-01-210509	grub screw with slot	-	2-piece	10	5	9,9	9	7,3	0,8	60	03330-01-05
03330-01-210609	grub screw with slot	-	2-piece	10	6	9,9	9	10,3	1	30	03330-01-05
03330-01-210813	grub screw with slot	-	2-piece	12	8	11,9	13	13,3	1,2	50	03330-01-08

Overview of items

Order No.	Version 1	Version 2	Component material	D	D1	D2	L	L1	±S	F ca.N	Order No. assembly tool
03330-01-211016	grub screw with slot	-	2-piece	16	10	15,9	16	16,9	1,6	80	03330-01-10
03330-01-310509	Pneumatic clamp	-	2-piece	10	5	9,9	9	7,3	0,8	90	03330-01-05
03330-01-310609	Pneumatic clamp	-	2-piece	10	6	9,9	9	10,3	1	60	03330-01-05
03330-01-310813	Pneumatic clamp	-	2-piece	12	8	11,9	13	13,2	1,2	100	03330-01-08
03330-01-311016	Pneumatic clamp	-	2-piece	16	10	15,9	16	16,6	1,6	160	03330-01-10
03330-01-120307	pneumatic	Precision centric clamp 50 mm	3-axis vice with 50 mm riser plate	6	3	5,9	7	3,7	0,4	10	03330-01-03
03330-01-120409	pneumatic	-	3-axis vice with 50 mm riser plate	8	4	7,9	9	5,2	0,6	15	03330-01-04
03330-01-120509	pneumatic	-	3-axis vice with 50 mm riser plate	10	5	9,9	9	7,3	0,8	30	03330-01-05
03330-01-120609	pneumatic	-	3-axis vice with 50 mm riser plate	10	6	9,9	9	10,3	1	20	03330-01-05
03330-01-220307	grub screw with slot	Precision centric clamp 50 mm	3-axis vice with 50 mm riser plate	6	3	5,9	7	3,7	0,4	20	03330-01-03
03330-01-220409	grub screw with slot	-	3-axis vice with 50 mm riser plate	8	4	7,9	9	5,2	0,6	30	03330-01-04
03330-01-220509	grub screw with slot	-	3-axis vice with 50 mm riser plate	10	5	9,9	9	7,3	0,8	60	03330-01-05
03330-01-220609	grub screw with slot	-	3-axis vice with 50 mm riser plate	10	6	9,9	9	10,3	1	30	03330-01-05
03330-01-220813	grub screw with slot	-	3-axis vice with 50 mm riser plate	12	8	11,9	13	13,3	1,2	50	03330-01-08
03330-01-221016	grub screw with slot	-	3-axis vice with 50 mm riser plate	16	10	15,9	16	16,9	1,6	80	03330-01-10
03330-01-320509	Pneumatic clamp	-	3-axis vice with 50 mm riser plate	10	5	9,9	9	7,3	0,8	90	03330-01-05
03330-01-320609	Pneumatic clamp	-	3-axis vice with 50 mm riser plate	10	6	9,9	9	10,3	1	60	03330-01-05
03330-01-320813	Pneumatic clamp	-	3-axis vice with 50 mm riser plate	12	8	11,9	13	13,3	1,2	100	03330-01-08
03330-01-321016	Pneumatic clamp	-	3-axis vice with 50 mm riser plate	16	10	15,9	16	16,9	1,6	160	03330-01-10