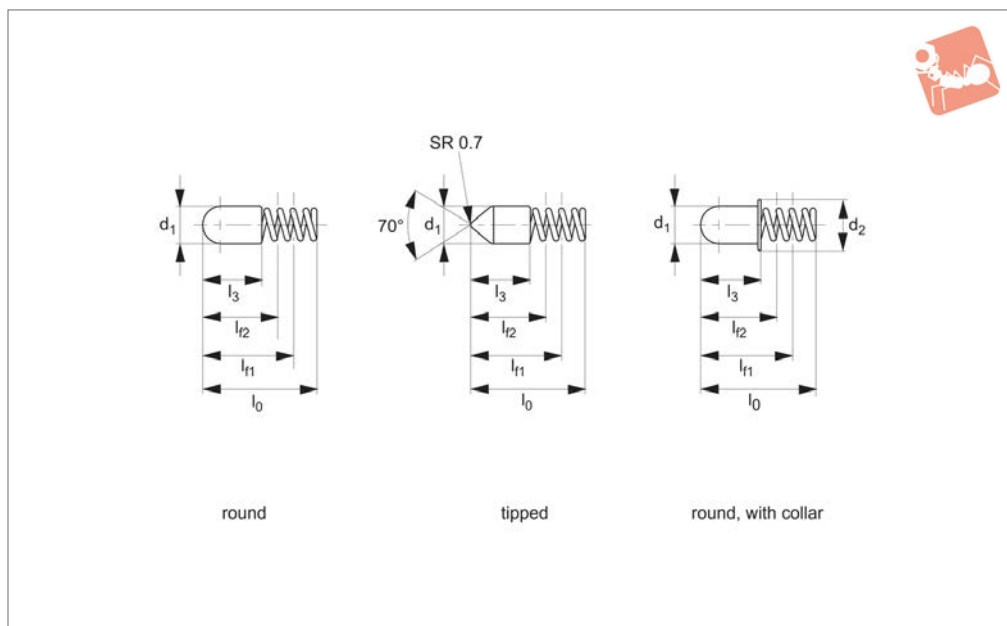




# Spring Bodies

steel or **stainless steel**

# Spring Plunger & Detent Pins



## 31000

SPRING PLUNGER & DETENT PINS

### Material

Body: steel, nickel-plated.  
Stainless steel 1.4303 (AISI 305). Brass, nickel-plated.  
Spring: stainless steel 1,4310 (AISI 301).

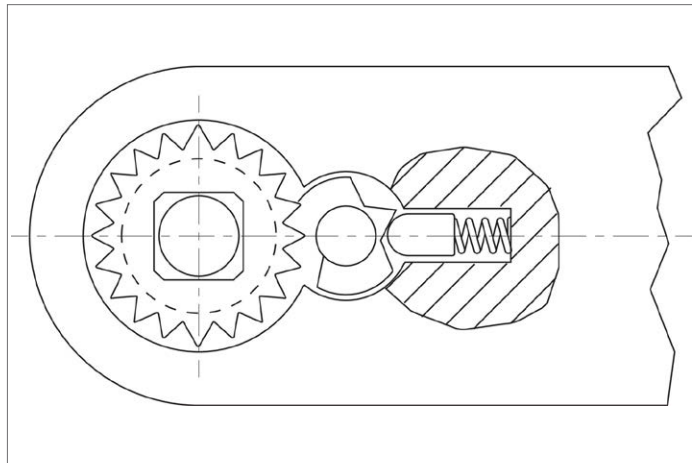
### Technical Notes

Max. temperature 250°C. Spring load \* = statistical average.

### Tips

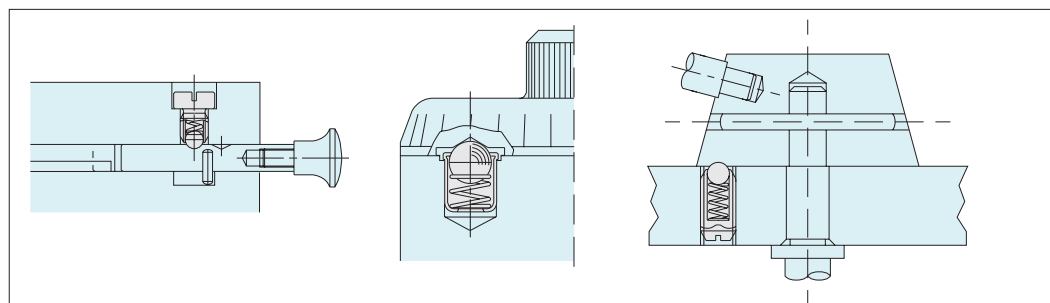
To be used for locating or as a detent.  
Special springs available on request.

Order No.	Type	Finish	$d_1$ ±0.05	$l_0$	$d_2$	$l_3$	$l_{f1}$	$l_{f2}$	Spring load $F_1$ N ≈	Spring load $F_2$ N ≈	R N/mm	Weight g
31000.W0012	Round	Steel	2.2	16	-	7.8	12.0	10.5	2.2	3.0	0.53	0.13
31000.W0016	Round	Steel	2.6	8	-	3.8	6.5	5.2	1.1	2.0	0.70	0.07
31000.W0022	Round	Steel	3.0	12	-	6.0	9.0	8.7	6.2	6.8	2.00	0.18
31000.W0024	Round	Steel	3.0	16	-	8.5	13.0	10.7	4.8	8.4	1.60	0.23
31000.W0034	Round	Steel	3.4	12	-	6.0	9.0	7.8	5.0	7.0	1.69	0.18
31000.W0036	Round	Steel	3.4	15	-	7.3	12.0	8.2	5.9	13.3	1.95	0.22
31000.W0042	Round	Steel	4.0	14	-	8.0	12.0	9.0	5.0	12.3	2.45	0.41
31000.W0052	Round	Steel	5.0	16	-	8.0	13.0	10.4	8.0	15.0	2.70	0.59
31000.W0124	Round	Stainless	3.0	16	-	8.0	13.0	10.6	4.8	8.6	1.60	0.22
31000.W0137	Round	Stainless	3.6	18	-	9.0	15.0	11.5	6.7	14.5	2.24	0.36
31000.W0144	Round	Stainless	4.0	16	-	7.5	13.0	11.4	8.0	12.3	2.70	0.37
31000.W0212	Tipped	Steel	2.2	16	-	7.8	12.0	10.5	2.2	3.0	0.53	0.12
31000.W0222	Tipped	Steel	3.0	11	-	5.0	9.0	6.7	1.6	3.4	0.78	0.11
31000.W0224	Tipped	Steel	3.0	16	-	8.5	13.0	10.7	4.8	8.4	1.60	0.23
31000.W0373	Round, with Collar	Stainless	3.0	13	4.1	7.0	10.0	8.9	5.3	7.2	1.75	0.19





## Wixroyd Spring Plungers - A Range of Endless Possibilities



Made of high quality steel and stainless steel, Wixroyd's Spring Plunger range is proven to be reliable for millions of repetitions in securing, positioning, positive locking, indexing and quick release. Their application is limited only by the imagination!

Three push-fit spring plungers no. 32000 have been added to the design of this recessed commercial light fitting. The push-fit design of the plunger makes for easy assembly during production. Their use greatly simplifies the mounting and servicing of the units, reducing handling costs and saving valuable operator time.



### Commercial Lighting

Used in conjunction with a simple hinge, Wixroyd spring plunger 32300 provides an easy and secure means to positively position and secure the back panel of a blood gas analysis machine. With both brass and stainless steel varieties, our spring plungers have a wide range of application in the medical, pharmaceutical, food and drink processing industries.



### Medical Applications

#### Uses

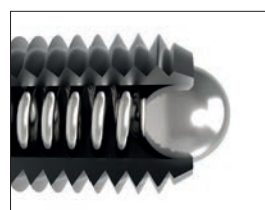
- For location, applying pressure and "lifting off".
- Securing and positioning.
- Positive locking and indexing.
- Quick release.

#### Industry Sectors

- Machine and fixture design.
- Measuring equipment.
- Electronic components.
- Lighting equipment.
- Medical, optics and orthopaedics.

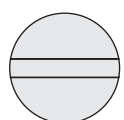
#### Applications

## Wixroyd Spring Plungers - Uses and Mounting Options

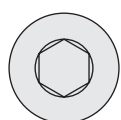


- 31400
- 31420
- 31500
- 32000
- 32100
- 32102
- 32280
- 32300
- 32302
- 32350

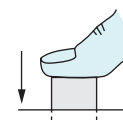
#### Mounting Options



Rear slot

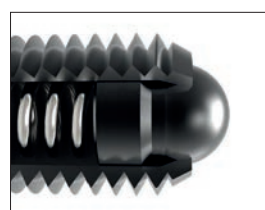


Rear hexagon



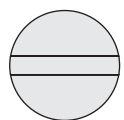
Push fit

#### Ball Type

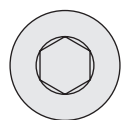


- 31000
- 31600
- 32150
- 32200
- 32220
- 32282
- 32400
- 32420

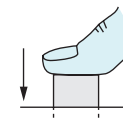
#### Mounting Options



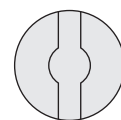
Rear slot



Rear hexagon



Push fit



Front slot

#### Pin Head Type