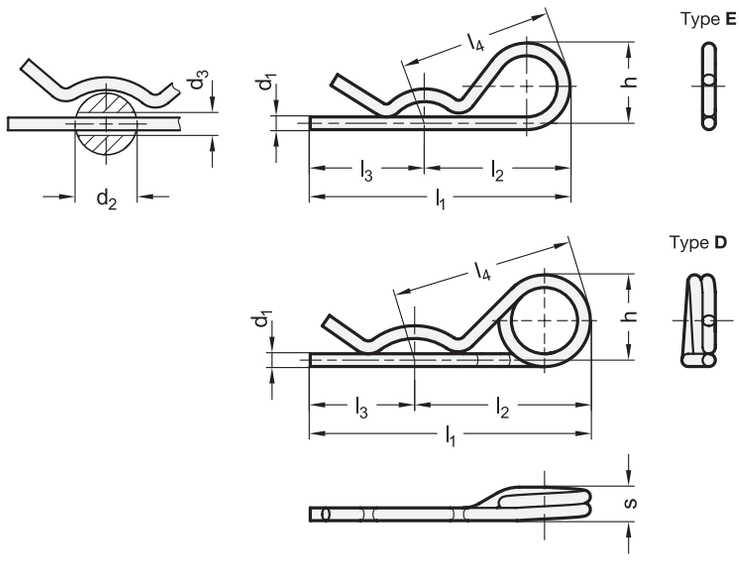
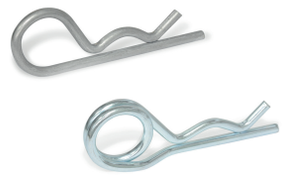
GN 1024
Steel / Stainless Steel

Spring Cotter Pins

JW WINCO®
A Ganter Company



Metric



SS Stainless Steel

3 Type

E With single loop
D With double loop

Metric table

Dimensions in: millimeters - *inches*

Type E

d_1	d_2 For bolt Ø	d_3 Recommended holding Ø	h	l_1	l_2	l_3	l_4	Load ≈ Mounting	Dismounting	For bolt Ø
1.5 *0.06*	7 ... 12 *0.28 ... 0.47*	2 *0.08*	9 *0.35*	45 *1.77*	25 *0.98*	20 *0.79*	25 *0.98*	9 N *2.02 lbf*	8 N *1.80 lbf*	8 *0.31*
2 *0.08*	9 ... 14 *0.35 ... 0.55*	2.5 *0.10*	13 *0.51*	57 *2.24*	32 *1.26*	25 *0.98*	34 *1.34*	14 N *3.15 lbf*	9 N *2.02 lbf*	12 *0.47*
3 *0.12*	10 ... 16 *0.39 ... 0.63*	3.5 *0.14*	23 *0.91*	72 *2.83*	42 *1.65*	30 *1.18*	44 *1.73*	55 N *12.36 lbf*	40 N *8.99 lbf*	16 *0.63*
4 *0.16*	16 ... 20 *0.63 ... 0.79*	4.5 *0.18*	27 *1.06*	74 *2.91*	44 *1.73*	30 *1.18*	48 *1.89*	210 N *47.21 lbf*	170 N *38.22 lbf*	20 *0.79*
5 *0.20*	20 ... 28 *0.79 ... 1.10*	5.5 *0.22*	32 *1.26*	102 *4.02*	57 *2.24*	45 *1.77*	61 *2.40*	280 N *62.95 lbf*	210 N *47.21 lbf*	25 *0.98*
6 *0.24*	28 ... 40 *1.10 ... 1.57*	6.5 *0.26*	42 *1.65*	126 *4.96*	73 *2.87*	53 *2.09*	77 *3.03*	240 N *53.95 lbf*	150 N *33.72 lbf*	30 *1.18*

Type D

d_1	d_2 For bolt Ø	d_3 Recommended holding Ø	h	l_1	l_2	l_3	l_4	s	Load ≈ Mounting	Dismounting	For bolt Ø
2 *0.08*	8 ... 14 *0.31 ... 0.55*	2.5 *0.10*	14 *0.55*	56 *2.20*	31 *1.22*	25 *0.98*	33 *1.30*	5.5 *0.22*	10 N *2.25 lbf*	9 N *2.02 lbf*	12 *0.47*
3 *0.12*	14 ... 20 *0.55 ... 0.79*	3.5 *0.14*	22 *0.87*	73 *2.87*	43 *1.69*	30 *1.18*	47 *1.85*	8 *0.31*	35 N *7.87 lbf*	28 N *6.29 lbf*	16 *0.63*
4 *0.16*	17 ... 24 *0.67 ... 0.94*	4.5 *0.18*	32 *1.26*	94 *3.70*	58 *2.28*	36 *1.42*	62 *2.44*	10.5 *0.41*	50 N *11.24 lbf*	35 N *7.87 lbf*	20 *0.79*
5 *0.20*	18 ... 30 *0.71 ... 1.18*	5.5 *0.22*	35 *1.38*	110 *4.33*	70 *2.76*	40 *1.57*	73 *2.87*	13.5 *0.53*	100 N *22.48 lbf*	95 N *21.36 lbf*	25 *0.98*
6 *0.24*	24 ... 36 *0.94 ... 1.42*	6.5 *0.26*	41 *1.61*	142 *5.59*	85 *3.35*	57 *2.24*	90 *3.54*	16 *0.63*	190 N *42.71 lbf*	125 N *28.10 lbf*	30 *1.18*
7* *0.28*	26 ... 40 *1.02 ... 1.57*	7.5 *0.30*	42 *1.65*	152 *5.98*	92 *3.62*	60 *2.36*	96 *3.78*	19 *0.75*	350 N *78.68 lbf*	210 N *47.21 lbf*	40 *1.57*

* Only available in steel

Specification

- Steel, zinc plated, blue passivated finish **ST**
- Stainless steel AISI 301 **NI**
- *Stainless Steel Characteristics → page 2143*
- RoHS compliant

Information

GN 1024 spring cotter pins are used for the axial securing of bolts and axles, and as an anti-twist mechanism, e.g., for DIN 935 castle nuts.

Due to their double loop, spring cotter pins in type D have a flatter spring characteristic and are therefore easier to install. Also, a retaining cable with a key ring can be attached to the double loop to protect the spring cotter pins against loss.

How to order

GN 1024-ST-2-D

1	Material
2	Diameter d_1
3	Type