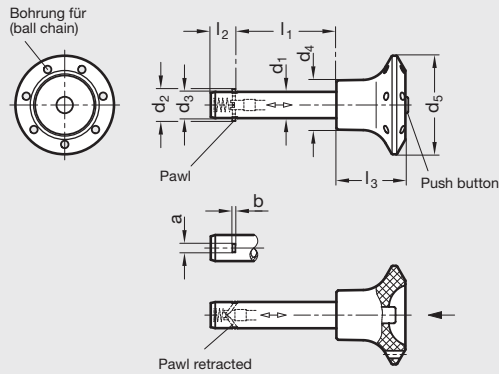


GN 114.3 | Rapid Release Pins

Metric Size • Stainless Steel Shank and Securing Pins



NEW



ISO 9001 Supplier

RoHS Compliant

Hand grip and push button

Nylon plastic

Release pin shaft

Stainless steel, European Standard No. 1.4305
(American Standard 303 Series)

Securing pins

Stainless steel, European Standard No. 1.4301
(American Standard 304 Series)

Spring

Stainless steel, European Standard No. 1.4310
(American Standard 301 Series)

GN 114.3 rapid release pins are used for quick fixing, connecting and locking of various jig and fixture systems. A typical application is locating pins which must be removed and re-placed frequently.

The two securing pins can be retracted by pressing the button; when it is released, the pins will once again return to the secure position.

The rectangular shape of the stainless steel securing pins creates a linear contact area which increases axial shear strength.

Axial load values in the table at shear stress are theoretically obtained and indicative only without taking safety factors into account.

Split ring GN 111, page 598, with various lengths of chain is available to prevent loss or misplacement of the ball lock pin.

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Indexing, Spring and Ball Plungers

Metric Table

Dimensions in: millimeters (inches)

Part Number	d ₁ -0.04 mm	l ₁ ±0.6 mm	a	b	d ₂	d ₃	d ₄	d ₅	l ₂	l ₃	Load [kN] (double sided shear force)
8W16L23	8 (.31)	16	2.8 (.11)	.8 (.03)	10 (.39)	7.9 (.31)	15 (.6)	30 (1.18)	8.4 (.33)	21 (.83)	30
8W20L23		20									
8W25L23		25									
8W30L23		30									
8W35L23		35									
8W40L23		40									
8W45L23		45									
8W50L23		50									
10W20L23	10 (.39)	20	3.3 (.13)	1.2 (.05)	12 (.47)	9.9 (.39)	18 (.71)	34 (1.34)	9.8 (.39)	26 (1.02)	40
10W25L23		25									
10W30L23		30									
10W35L23		35									
10W40L23		40									
10W45L23		45									
10W50L23		50									
10W60L23		60									

Table continued...

GN 114.3 | Rapid Release Pins | Metric Size • Stainless Steel Shank and Securing Pins

Dimensions in: millimeters (*inches*)

Part Number	d ₁ -0.04 mm	l ₁ ±0.6 mm	a	b	d ₂	d ₃	d ₄	d ₅	l ₂	l ₃	Load [KN] (double sided shear force)
12W2400L23	12 (.47)	24	3.8 (.15)	1.2 (.05)	14 (.55)	11.9 (.47)	18 (.71)	34 (1.34)	11.3 (.44)	26 (1.02)	60
12W25L23		25									
12W30L23		30									
12W35L23		35									
12W40L23		40									
12W45L23		45									
12W50L23		50									
12W60L23		60									
12W70L23		70									
12W80L23		80									
16N30L23	16 (.63)	30	4.3 (.17)	1.5 (.06)	19 (.75)	15.9 (.63)	22 (.87)	40 (1.57)	14.2 (.56)	32 (1.26)	110
16N32L23		32									
16N35L23		35									
16N40L23		40									
16N45L23		45									
16N50L23		50									
16N60L23		60									
16N70L23		70									
16N80L23		80									

Assembly Example

