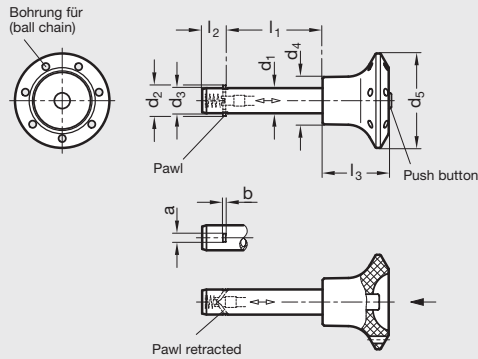


GN 114.2 | Rapid Release Pins

Metric Size • Steel Shank and Stainless Steel Securing Pins



NEW



ISO 9001 Supplier

RoHS Compliant

Hand grip and push button

Nylon plastic

Release pin shaft

Steel, zinc plated, blue passivated

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 114.2 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)
8W16L22	8 (.31)	16	2.8 (.11)	.8 (.03)	10 (.39)	7.9 (.31)	15 (.6)	30 (1.18)	8.4 (.33)	21 (.83)	30
8W20L22		20									
8W25L22		25									
8W30L22		30									
8W35L22		35									
8W40L22		40									
8W45L22		45									
8W50L22	50										
10W20L22	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
10W25L22		25									
10W30L22		30									
10W35L22		35									
10W40L22		40									
10W45L22		45									
10W50L22		50									
10W60L22	60										

Table continued...



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)
12W24L22	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
12W25L22		25									
12W30L22		30									
12W35L22		35									
12W40L22		40									
12W45L22		45									
12W50L22		50									
12W60L22		60									
12W70L22		70									
12W80L22		80									
16W30L22	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
16W32L22		32									
16W35L22		35									
16W40L22		40									
16W45L22		45									
16W50L22		50									
16W60L22		60									
16W70L22		70									
16W80L22		80									

Assembly Example

