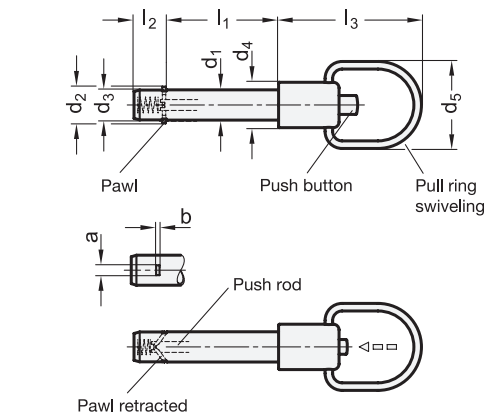
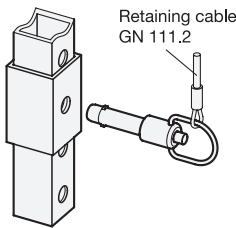




Application example



Metric



Metric table

1		2		Dimensions in: millimeters / inches															
d ₁ -0.1	l ₁ +0.4	Minimum size										a	b	d ₂	d ₃	d ₄	d ₅	l ₂	l ₃
6	10	12	16	20	25	30	35	40	2.3	0.5	7.3 +0.5	5.9	12	23	7	38			
0.236	0.394	0.472	0.630	0.787	0.984	1.181	1.378	1.575	0.09	0.02	0.29 +0.02	0.23	0.47	0.91	0.28	1.50			
6	45	50	60	70	80	-	-	-	2.3	0.5	7.3 +0.5	5.9	12	23	7	38			
0.236	1.772	1.969	2.362	2.756	3.150				0.09	0.02	0.29 +0.02	0.23	0.47	0.91	0.28	1.50			
8	10	16	20	25	30	35	40	45	2.8	0.6	9.8 +0.5	7.9	12	23	8.4	38			
0.315	0.394	0.630	0.787	0.984	1.181	1.378	1.575	1.772	0.11	0.02	0.39 +0.02	0.31	0.47	0.91	0.33	1.50			
8	50	60	70	80	90	100	-	-	2.8	0.6	9.8 +0.5	7.9	12	23	8.4	38			
0.315	1.969	2.362	2.756	3.150	3.543	3.937			0.11	0.02	0.39 +0.02	0.31	0.47	0.91	0.33	1.50			
10	15	20	25	30	35	40	45	50	3.3	1	11.7 +1	9.9	16	28	9.8	42			
0.394	0.591	0.787	0.984	1.181	1.378	1.575	1.772	1.969	0.13	0.04	0.46 +0.04	0.39	0.63	1.10	0.39	1.65			
10	60	70	80	90	100	110	120	-	3.3	1	11.7 +1	9.9	16	28	9.8	42			
0.394	2.362	2.756	3.150	3.543	3.937	4.331	4.724		0.13	0.04	0.46 +0.04	0.39	0.63	1.10	0.39	1.65			
12	20	25	30	35	40	45	50	60	3.8	1	13.7 +1	11.9	16	28	11.3	42			
0.472	0.787	0.984	1.181	1.378	1.575	1.772	1.969	2.362	0.15	0.04	0.54 +0.04	0.47	0.63	1.10	0.44	1.65			
12	70	80	90	100	110	120	-	-	3.8	1	13.7 +1	11.9	16	28	11.3	42			
0.472	2.756	3.150	3.543	3.937	4.331	4.724			0.15	0.04	0.54 +0.04	0.47	0.63	1.10	0.44	1.65			
16	30	35	40	45	50	60	70	80	4.8	1.2	18.7 +1	15.9	20	32	14.2	46.5			
0.630	1.181	1.378	1.575	1.772	1.969	2.362	2.756	3.150	0.19	0.05	0.74 +0.04	0.63	0.79	1.26	0.56	1.83			
16	90	100	110	120	130	140	150	-	4.8	1.2	18.7 +1	15.9	20	32	14.2	46.5			
0.630	3.543	3.937	4.331	4.724	5.118	5.512	5.906		0.19	0.05	0.74 +0.04	0.63	0.79	1.26	0.56	1.83			

Specification

Shank pin

Steel, zinc plated, blue passivated finish

Securing pawls

Stainless steel sheet metal AISI 304

Push button / push rod

Plastic, Polyacetal (POM)

- Push button: red
- Operating temperature up to 176 °F (80 °C)

Pull ring / Spring

Stainless steel AISI 301

RoHS

Accessory

Page

GN 1140 Holding Bushings	QVX
GN 111 GN 111.5 Ball Chains	QVX
GN 111.2 Retaining Cables	QVX
GN 111.4 Spiral Retaining Cables	QVX
DIN 172 Press-Fit Drill Bushings (with Flange)	QVX
DIN 179 Press-Fit Drill Bushings (w/o Flange)	QVX

Rapid release pins GN 214.2 are used for quick fixing, connecting and locking of various jig and fixture systems. A typical application is location pins which have to be often removed and replaced again.

The rectangular pawls made of stainless steel sheet metal keep the locking pin in an axial position in the bore. It can be retracted by pressing the button, once released it returns the pressure spring into its locking position.

The version with swiveling lifting ring is ideal for the use in confined spaces.

The technical appendix contains the load capacities for the double-sided shearing resistance (breaking strength).

Technical Information

Page

Load Rating Information	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

How to order	1	Pin diameter d ₁
	2	Length l ₁

GN 214.2-10-60