



## 33331

BALL LOCK PINS & QUICK RELEASE PINS

### Material

Pin: Free cutting steel, manganese phosphated or stainless steel 1.4305 (AISI 303).

Handle: Thermoplastic PA 6, black similar to RAL 9005

Press button: Aluminium, orange, anodised.

Threaded element: stainless steel 1.4542

(AISI 630), precipitation-hardened.

Spring: stainless steel.

### Technical Notes

Pressing = unlocking.

Releasing = locking.

To suit metric course threads. The threaded lock pin can be quickly inserted into a threaded hole, and further tightened

up to indicated max. torque reducing both assembly and disassembly times.

### Tips

For suitable lanyards see part no. 33268. Lanyards can be used to prevent accidental loss of pin from application.

Order No.	Type	d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub> -0.07	d <sub>3</sub>	d <sub>4</sub>	Weight g
33331.W0102	Steel	M 8	10	6.62	40	21.6	40
33331.W0104	Steel	M 8	20	6.62	40	21.6	42
33331.W0106	Steel	M 8	30	6.62	40	21.6	45
33331.W0202	Steel	M10	10	8.35	40	21.6	44
33331.W0204	Steel	M10	20	8.35	40	21.6	48
33331.W0206	Steel	M10	30	8.35	40	21.6	52
33331.W0303	Steel	M12	15	10.07	40	21.6	53
33331.W0306	Steel	M12	30	10.07	40	21.6	62
33331.W0310	Steel	M12	50	10.07	40	21.6	74
33331.W0503	Steel	M16	15	13.80	40	21.6	70
33331.W0506	Steel	M16	30	13.80	40	21.6	87
33331.W0510	Steel	M16	50	13.80	40	21.6	109
33331.W1102	Stainless Steel	M 8	10	6.62	40	21.6	40
33331.W1104	Stainless Steel	M 8	20	6.62	40	21.6	42
33331.W1106	Stainless Steel	M 8	30	6.62	40	21.6	45
33331.W1202	Stainless Steel	M10	10	8.35	40	21.6	44
33331.W1204	Stainless Steel	M10	20	8.35	40	21.6	48
33331.W1206	Stainless Steel	M10	30	8.35	40	21.6	52
33331.W1303	Stainless Steel	M12	15	10.07	40	21.6	53
33331.W1306	Stainless Steel	M12	30	10.07	40	21.6	62
33331.W1310	Stainless Steel	M12	50	10.07	40	21.6	74
33331.W1503	Stainless Steel	M16	15	13.80	40	21.6	70
33331.W1506	Stainless Steel	M16	30	13.80	40	21.6	87
33331.W1510	Stainless Steel	M16	50	13.80	40	21.6	109

# Ball Lock Pins & Quick Release

# Threaded Lock Pins self-locking



BALL LOCK PINS & QUICK RELEASE PINS

Order No.	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Locating thread	Temp. resistance	Temp. resistance	Torque to Nm max.	Shearing resistance two-shear	
					°C min.	°C max.		kN min.	
33331.W0102	23.8	58.4	8	M 8	-30	80	5	12.7	
33331.W0104	33.8	68.4	8	M 8	-30	80	5	12.7	
33331.W0106	43.8	78.4	8	M 8	-30	80	5	12.7	
33331.W0202	26.0	60.6	10	M10	-30	80	5	20.6	
33331.W0204	36.0	70.6	10	M10	-30	80	5	20.6	
33331.W0206	46.0	80.6	10	M10	-30	80	5	20.6	
33331.W0303	34.0	68.6	12	M12	-30	80	5	30.4	
33331.W0306	49.0	83.6	12	M12	-30	80	5	30.4	
33331.W0310	69.0	103.6	12	M12	-30	80	5	30.4	
33331.W0503	34.0	68.6	12	M16	-30	80	5	62.9	
33331.W0506	49.0	83.6	12	M16	-30	80	5	62.9	
33331.W0510	69.0	103.6	12	M16	-30	80	5	62.9	
33331.W1102	23.8	58.4	8	M 8	-30	80	5	16.7	
33331.W1104	33.8	68.4	8	M 8	-30	80	5	16.7	
33331.W1106	43.8	78.4	8	M 8	-30	80	5	16.7	
33331.W1202	26.0	60.6	10	M10	-30	80	5	27.1	
33331.W1204	36.0	70.6	10	M10	-30	80	5	27.1	
33331.W1206	46.0	80.6	10	M10	-30	80	5	27.1	
33331.W1303	34.0	68.6	12	M12	-30	80	5	40.0	
33331.W1306	49.0	83.6	12	M12	-30	80	5	40.0	
33331.W1310	69.0	103.6	12	M12	-30	80	5	40.0	
33331.W1503	34.0	68.6	12	M16	-30	80	5	82.7	
33331.W1506	49.0	83.6	12	M16	-30	80	5	82.7	
33331.W1510	69.0	103.6	12	M16	-30	80	5	82.7	

