

MARINE BALL-LOK[®]
QUICK RELEASE PINS



BALL-LOK® QUICK RELEASE MARINE PINS

Here are the pins that are "in" with the sailors "in the know". No cotter keys required. No taping. The clean design prevents dislodging accidentally or fouling lines. Pins are non-corrosive, aircraft-quality stainless steel.

In manufacturing AVIBANK Ball-Lok® Quick Release Marine Pins, we use the same MIL specs and procedures that we use to produce fine quality products for the aerospace and defense industries including Apollo moon landings and Shuttle missions.



POSITIVE LOCKING TYPE "M" or "R"

One-handed release - just push the button, then pull. There's no faster operating locking pin or safer pin. The unique Ball-Lok® action means the pin cannot dislodge accidentally, even under severe tension.

DETENT TYPE "D"

One-handed release - just one quick pull to remove. For shear applications requiring quick assembly and disassembly. Spring-loaded balls are staked in, exerting sufficient pressure to eliminate accidental release.

"M"
DELUXE
STYLE



"D"
DETENT
STYLE



"R"
STANDARD
STYLE



SAMPLE CALL-OUT

4 M 1.00

Grip Length in 1/4 inch increments
1.00 = 1 inch

Style
M = Deluxe
R = Ring
D = Detent

Diameter in 16th's inch
4 = 1/4 inch



SIZES

DIAMETER	3 (3/16")	4 (1/4")	5 (5/16")	6 (3/8")	8 (1/2")	10 (5/8")	12 (3/4")
GRIP LENGTHS in 1/4" increments	0.25	0.25	0.25	0.25	—	—	—
	0.50	0.50	0.50	0.50	0.50	—	—
	0.75	0.75	0.75	0.75	0.75	—	—
	1.00	1.00	1.00	1.00	1.00	1.00	—
	1.25	1.25	1.25	1.25	1.25	1.25	—
	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	1.75	1.75	1.75	1.75	1.75	1.75	1.75
	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	2.25	2.25	2.25	2.25	2.25	2.25	2.25
	2.50	2.50	2.50	2.50	2.50	2.50	2.50
	2.75	2.75	2.75	2.75	2.75	2.75	2.75
	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	—	3.25	3.25	3.25	3.25	3.25	3.25
	—	3.50	3.50	3.50	3.50	3.50	3.50
	—	3.75	3.75	3.75	3.75	3.75	3.75
	—	4.00	4.00	4.00	4.00	4.00	4.00
	—	—	—	4.25	4.25	4.25	4.25
	—	—	—	4.50	4.50	4.50	4.50
	—	—	—	4.75	4.75	4.75	4.75
	—	—	—	5.00	5.00	5.00	5.00

OTHER SIZES ARE AVAILABLE UPON REQUEST

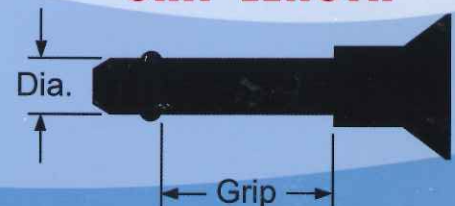
MATERIALS

PART NAME	MATERIAL
Push Button (M & R)	300 Series Stainless Steel
Head (M & R)	300 Series Stainless Steel
Body (M & R)	17-4 PH Stainless Steel
Body (D)	300 Series Stainless Steel
Spindle (M & R)	17-4 PH Stainless Steel
Spring	17-7 or 300 Series Stainless Steel
Balls	300 Series Stainless Steel
Ring (D & R)	17-7 or 300 Series Stainless Steel

LOADS

DIA.	CALCULATED DOUBLE SHEAR LBS. (M & R styles)	CALCULATED DOUBLE SHEAR LBS. (D style)	MINIMUM TENSION LOADS LBS. (M & R styles)
3	4,600	3,900	80
4	8,200	4,500	125
5	12,800	7,100	250
6	18,400	10,300	500
8	32,800	18,400	750
10	51,200	28,900	1,100
12	73,600	41,800	1,600

GRIP LENGTH



Grip is the distance from the shoulder (the ring on "D" style) to the locking ball bearings.



**COMMITTED TO CONTINUOUS
QUALITY IMPROVEMENTS**

**DEDICATED TO EXCELLENCE,
INNOVATION, AND TEAMWORK**



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