

## Classic Friction Lock: Specifications

### Detective® Baton Series

Part ID #2518	Detective® -18 w/Power Safety Tip™, Foam Grip and Black Chrome Finish
General Description:	Three stage steel friction lock baton with hardened shafts and ball tip, firm foam grip over electroless nickel plated handle, precision parallel swages, bore guide end cap, black chrome finish on shafts, ball tip and end cap. Premium quality with a lifetime repair or replacement guarantee.
Recommended Holder:	Textured: 3032 Basketweave: 3632
Shaft Locking Mechanism:	Precision parallel swages
Shaft Material:	Hardened, aircraft quality 4130 cold drawn condition seamless alloy steel tubing (ASTM-A-519).
Hardness:	Striking surface hardened and then tempered to 48-54 Rockwell C Scale to relieve brittleness.
Tensile Strength:	240,000-290,000 PSI (Pounds per Square Inch)
Diameter:	1.0625 inches (2.70 cm)
Closed Length:	8.50 inches (21.59 cm)
Expanded Length:	18 inches (40.64 cm)
Weight:	17 ounces (.48 kg)
Handle Grip:	Firm Foam Grip 1.125-inch (2.86 cm) diameter; tear strength minimum 82 pounds (37.19 kg) per linear inch, installed over knurled handle surface to eliminate slippage.
Handle Tubing:	0.875 inch (2.22 cm) outside diameter, 14 gauge [.083 inch (0,21 cm) wall thickness]
Handle Finish:	Nickel Finish
Middle Shaft Tubing:	0.625 inch (1.59 cm) outside diameter, 16 gauge [.065 inch (1.65 cm) wall thickness]
Middle Shaft Length:	5.375 inches (13.65 cm)
Middle Shaft Finish:	Black Chrome Finish
Small Shaft Tubing:	0.437 inch (1.11 cm) outside diameter, 14 gauge [.083 inch (0.21 cm) wall thickness]
Small Shaft Length:	6.125 inches (15.56 cm)
Small Shaft Finish:	Black Chrome Finish
End Cap Construction:	Machined steel with integral bore guide (bore guide centers small shaft during closure to prevent retention clip breakage) male threads with O-ring seal between cap and handle.

End Cap Coating:	Black Chrome Plating
Retention Clip:	Nickel-plated, attached to end cap bore guide with a solid rivet; assembly is replaceable.
Tip Construction:	Power Safety Tip™ Larger reinforced textured hard, weighted, rubber tip: 0.625" (1.59 cm) diameter x 2" (5.08 cm) long; 3 ounces (.09 kg)
Overall Corrosion Resistance:	Baton will exceed 24 hour ASTM-B117 salt spray test.
Quality Control Program:	In-process inspection at every operation plus 100% inspect and testing prior to shipment. In-process inspection consistent with US Department of Defense MIL-STD-105E and United Kingdom Defense Ministry specification DEF-131-A. All 4130 steel tubing has mill certification including the chemical analysis of steel. Cad drawing-exploded view available.
Warranty:	All Monadnock® expandable police batons have a repair or replacement guarantee, under normal field use, against breaking, bending, torn grip, and if rust or corrosion prevents the baton from functioning.
Liability Insurance:	Certificate of Insurance will be provided with request on department letterhead.
Litigation Support:	Monadnock® has provided expert testimony on behalf of police officers and agencies for more than 30 years.
US Patents:	404,789 and 6,350,200 B2

Monadnock® reserves the right to make changes at any time in specifications, models or design without notice.