

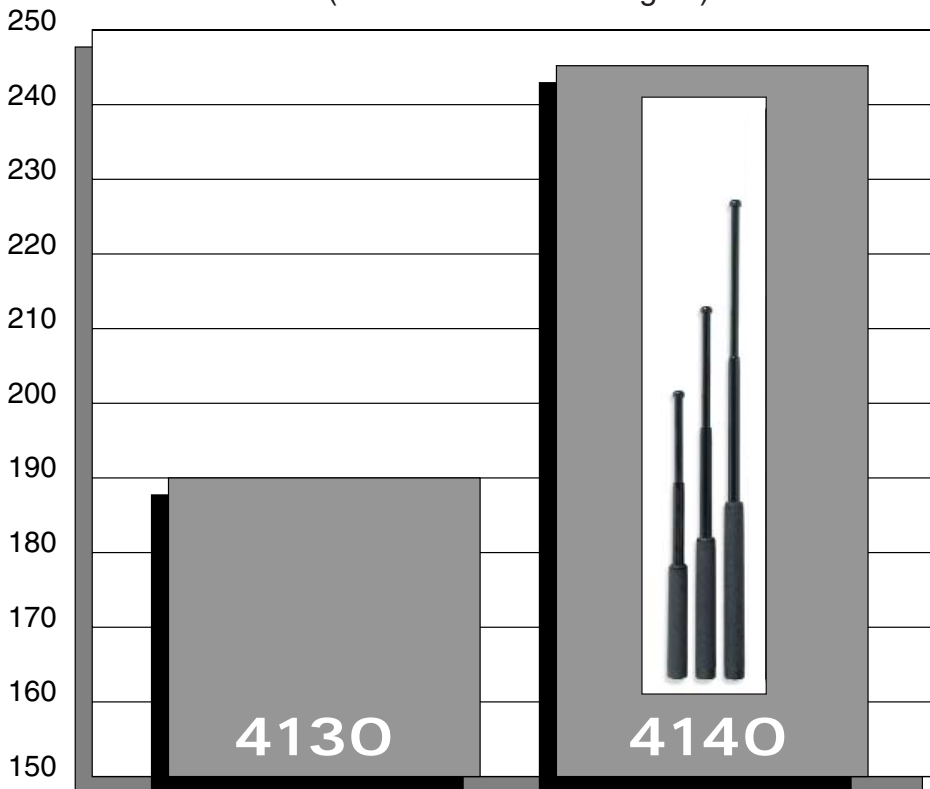
ASP FACTS

FEATURE: 4140

4140



ASP 4140 v 4130
(Maximum Yield Strengths)



KSI

NOTE: If yield strength is exceeded, the baton is permanently bent.
4140 is capable of being heat treated to a 25% higher yield strength than 4130.



ADVANTAGE:

4140 seamless steel tubing is not commercially available in the United States. As a result, ASP must have a special chemistry or "heat" of steel poured in Germany and then pierced into rounds. This raw stock is then drawn by an American company into tubing that is fabricated to ASP specifications. As a result, ASP is the sole source of 4140 steel tubing for expandable batons. ASP 4140 is 25% stronger than more commonly available 4130 tubing.

SPECIFICATION:

- 25% greater yield strength (bend strength)
- 25% greater tensile strength (break strength)
- Higher carbon content allows more precise heat treating
- Tubing stays straighter during processing
- Method of Manufacture Patent 5,110,375
- Apparatus Patent 5,348,297

PERFORMANCE:

Monadnock employs 4130 tubing. ASP 4140 Batons are 25% stronger. They do not bend or pull apart. Tests by major federal law enforcement agencies found ASP Tactical Batons to be "virtually indestructible."

SALES STRATEGY:

Show competitors the ASP video contrasting the pull apart and bend comparisons done between ASP Batons and competitive 4130 batons. Provide the Comparison Sheet of ASP Batons to competitive models. (See reverse)

Monadnock-Winchester-ASP Comparison

	<i>Monadnock</i>	<i>Winchester</i>	<i>ASP</i>
16" Models	Detective Black Detective Chrome	N/A	F16A , F16B, F16C, F16D , F16E, F16F , F16G
21" Models	Detective Black Detective Chrome Mariner Electroless	Win 21	F21A , F21B, F21C, F21D , F21E, F21F , F21G
24" Models	Detective Black Detective Chrome Mariner Electroless Ultralite Aluminum		NA
26" Models	Detective Black Detective Chrome Mariner Electroless	Win 26	F26A , F26B, F26C, F26D , F26E, F26F , F26G
Metal	4130	4130	4140
Striking Surface Core Hardness	43 Rockwell C	6061	7075
Tensile Strength (Breaking)	201,000 PSI	28 Rockwell C	49-57 Rockwell C
Yield Strength (Bending)	160,000 PSI	131,000 PSI	238,000 PSI
Lock Up	Taper Button	75,000 PSI Taper	215,000 PSI Taper
Grip Undercoat	None	None	Yellow Zinc Dichromate
Grip Coating	Paint	Black Zinc Electroless Rubber Grip	Textured Industrial Grade Powder Coat Yes
Replaceable Foam Grip at least 1/16" Thick with Protective Front Collar and End Cap	Foam Grip Only (No Protective Collar)		Yes
Injection Molded Grip	No	No	Yes
Knurling	No	No	No
Sharp Edges	No	No	No
O-Ring Retained Cap	Yes	No	Yes
Retention Clip	Zinc in Bore Guide	Unsupported Wire	Yellow Zinc Dichromate, Tapered, No Snag Design
Easily Replaceable Retaining Clip Assembly	No	No	Yes
Shaft and Tip Finish	Black Chrome Anodizing	Black Chrome Electroless	Hardcoat Anodizing Black Chrome Chrome Electroless Nickel 18K Gold
Factory Authorized Service Centers	No	No	Yes
Litigation Consultant with 100+ Documented Cases for Municipalities	No	No	Yes
Five Million Dollar Products Liability Policy for Expandables	No	No	Yes
Worldwide Coverage	Unknown	Unknown	Yes
Fit and Finish	Good	Good	Excellent
Technical Compliance Analysis	Unknown	Unknown	Yes
Available Spring Adjustment	None	None	Armorer Kit
Maintenance Parts	None	None	Repair Kit
	None	None	Grip Kit
	None	None	Scabbard Kit
Parts Manual	None	None	Yes
Service Center Manual	None	None	Yes
Available Training Aids	None	None	Cutaway Baton
Available Training	Yes	None	Free Instructor and Trainer Certification
Limited Lifetime Warranty	Yes	Limited Warranty	Yes
Apparatus Patent	No	No	Yes (5,348,297)
Method of Manufacturing Patent	No	No	Yes (5,110,375)
Retaining Clip Patent	No	No	Yes (5,161,800)
Airweight® Patent	No	No	Yes (5,356,139)
Airweight® Joint Patent	No	No	Yes (5,657,986 · 5,868,621)
Molded Grip Patent	No	No	Yes (5,645,276 · 5,919,093)