

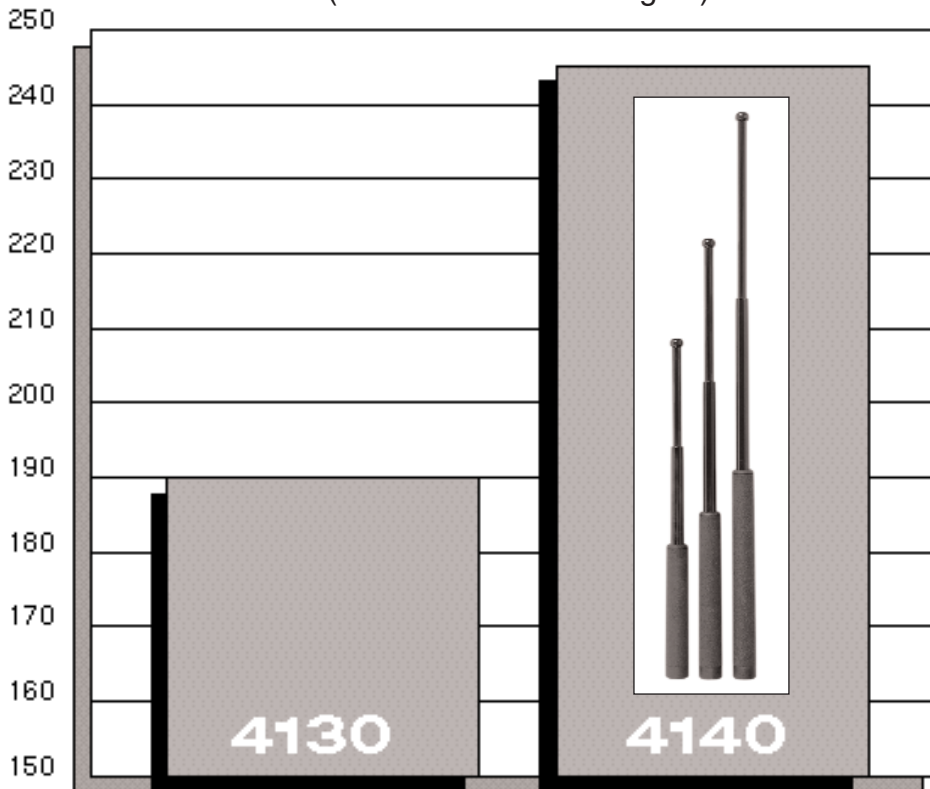
ASP FACTS

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	Airweight Black Chrome Chrome Electroless	Foam DuraTec Wavemaster
21 Models	Detective Black Detective Chrome Mariner Electroless	Win 21	Airweight Black Chrome Chrome Electroless	Foam DuraTec Wavemaster
24 Models	Detective Black Detective Chrome Mariner Electroless Ultralite Aluminum		N/A	
26 Models	Detective Black Detective Chrome Mariner Electroless	Win 26	Airweight Black Chrome Chrome Electroless	Foam DuraTec Wavemaster
Metal	4130	4130 6061	4140 7075	
Striking Surface Core Hardness	43 Rockwell C	28 Rockwell C	49-57 Rockwell C	
Tensile Strength (Breaking)	201,000 PSI	131,000 PSI	238,000 PSI	
Yield Strength (Bending)	160,000 PSI	75,000 PSI	215,000 PSI	
Lock Up	Taper Button	Taper	Taper	
Grip Undercoat	None	None	Yellow Zinc Dichromate	
Grip Coating	Paint	Black Zinc Electroless	Textured Industrial Grade Powder Coat	
Replaceable Foam Grip at least 1/16" Thick with Protective Front Collar and End Cap	Foam Grip Only (No Protective Collar)	Rubber Grip	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 Electroless	Black Chrome	Black Chrome Chrome Electroless Nickel	
Factory Authorized Service Centers	No	No	Yes	
Litigation Consultant with 100+ Documented Cases for Municipalities	No	No	Yes	
Six 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)	