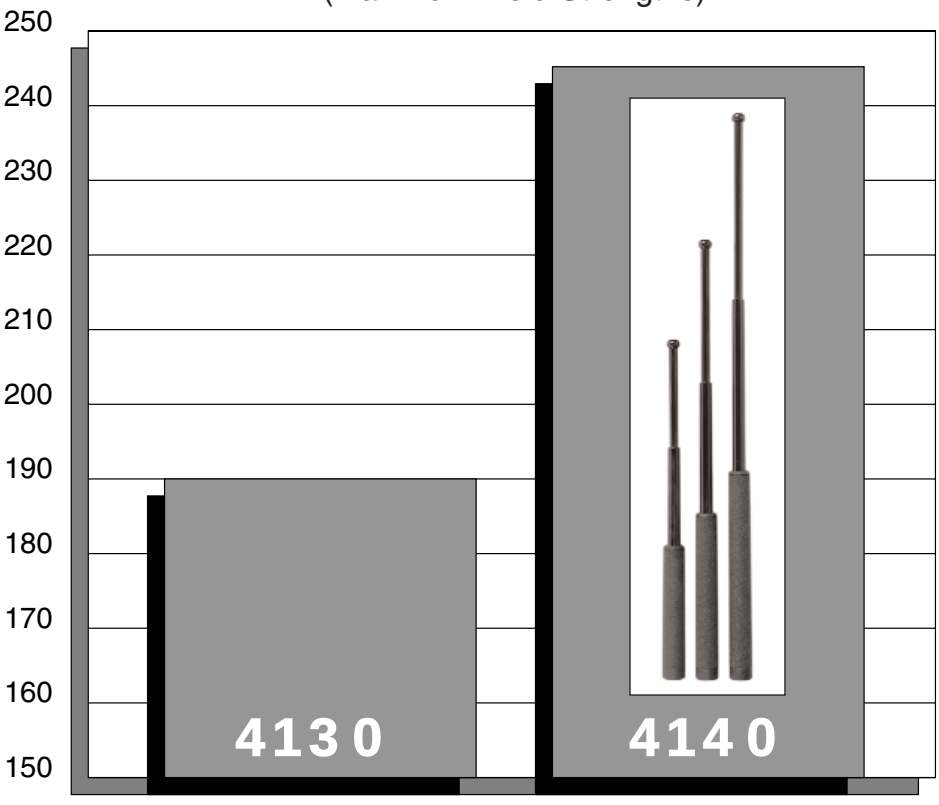
ASP FACTS

FEATURE: **4140**

4140

ASP 4140 v 4130
(Maximum Yield Strengths)



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

	Monadnock	*Winchester*	*ASP*	
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 None	None None None	**Repair Kit** **Grip Kit** **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)	

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