

Rough Locator

I-Shape



NAAMS Components

Type	Material	Coating	Tolerance		
ARL_..._	A-36 Steel	Case hardened 58-62 Rc, 1.0-1.5 mm deep	Dimension	Fabrication	Machining
ARL_..._H			0.0 mm	±1.5 mm	±0.3 mm

3D CAD is available online.

Standard NAAMS Rough Locators											
Type	A Length Selection/Material								T	W	S
	145.0	170.0	195.0	220.0	245.0	270.0	295.0	320.0			
ARL	145	170	195	220	245	270	298	320	9.0-10.0	32.0	10.5-11.0
	145H	170H	195H	220H	245H	270H	298H	320H			
	146	171	196	221	246	271	299	321	6.0-7.0	19.0	9.0-9.5
	146H	171H	196H	221H	246H	271H	299H	321H			

Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Part Number Example	Part Number
Type	Specification
ARL	146H
ARL	321



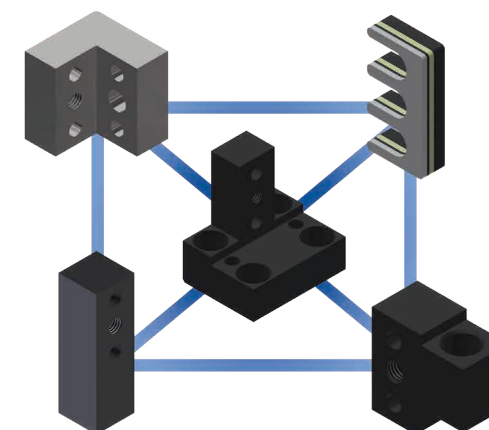
The MISUMI Approach to Standard & Configurable NAAMS

After extensive market research, MISUMI USA discovered that standard NAAMS components frequently required additional machining, or even a make detail for customization. MISUMI USA worked closely with several large customers to develop configurable NAAMS components that required no additional machining, not connected to each other, and at a lower cost than customized NAAMS components.

NAAMS Bolting Pattern

The NAAMS bolting pattern is a unique benefit of the NAAMS standards. The bolting pattern is standardized with a 15mm pitch, so components are easily interchangeable and assembly is quick and easy.

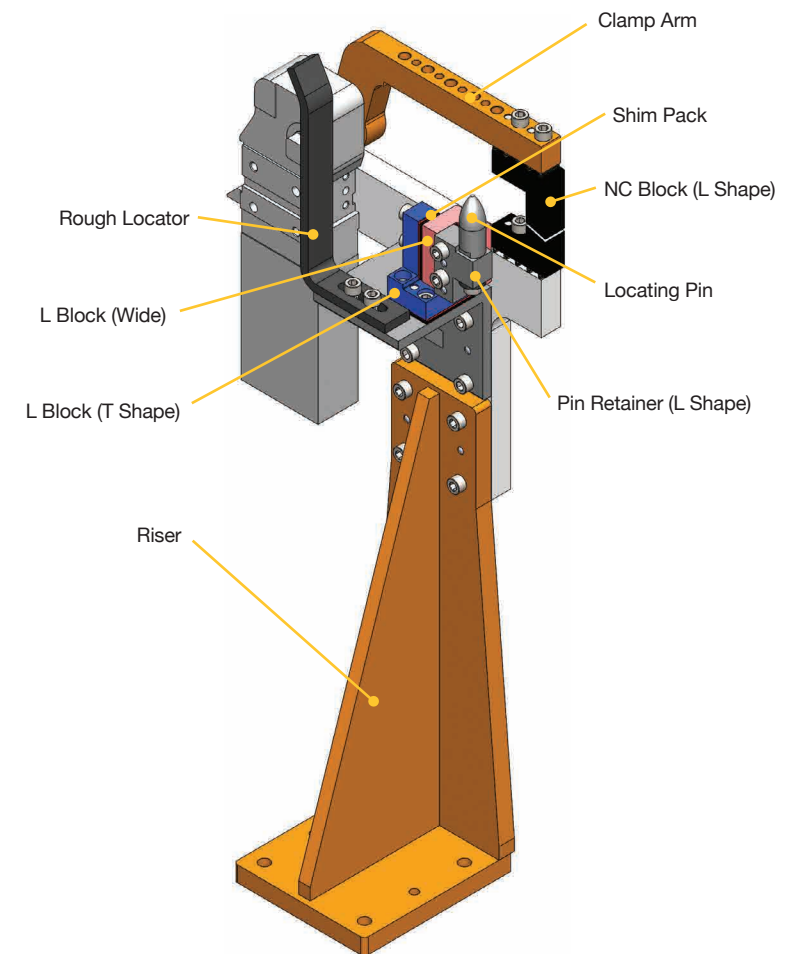
Mix and match components



All 15mm pitch = Interchangeable Bolting Pattern & Easy Assembly

Typical NAAMS Assembly

A typical NAAMS assembly includes risers, pin stacks, and clamp arms and uses multiple locating pins and pin retainers, in addition to several styles of L Blocks and NC Blocks. Shim packs are used to adjust the assembly as needed.



WHAT'S NEW

MISUMI has further expanded our NAAMS offering by adding the following new products:

- American-made NAAMS Welded Risers
- Douglas Stamping Company® NAAMS Shims & Spacers
- Suburban Bolt Supply Company NAAMS Fasteners

We have also added options on existing products by adding more Configurable L Blocks and Pin Retainers. For Locating Pins, we have expanded the diameter range on configurable pins and added a Rainbow Diamond-Like Coating to select items.