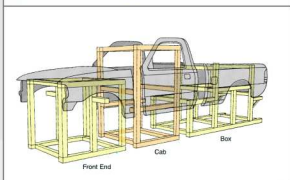
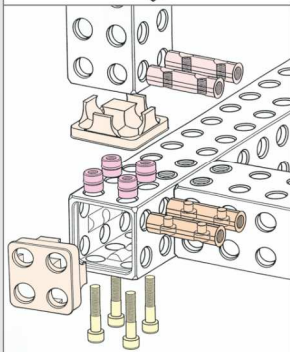
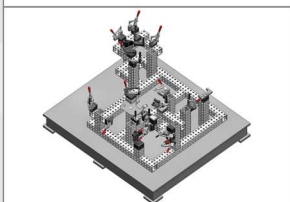
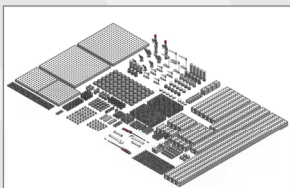


American Modular Tooling

C2
GAUGE & FIXTURE
Precision Modular Measurement & Testing Tools



**DECADES OF
EXPERIENCE**

**PROVEN
FIXTURING
EXCELLENCE**

AMERICAN MADE

C2 **GAUGE & FIXTURE** *American Modular Tooling*

- ⊕ Established in 1991, Paul W. Marino Gages, Inc. is dedicated to providing the finest quality products and professional services to our customers.
- ⊕ In 2018 PWMG created a partnership with C2 Machining in Kentwood Michigan, C2 Gage & Fixture, to sell and manufacture American Modular Tooling as well as design and build fixtures of all types.
- ⊕ Our 5,000 sq. ft. design and 20,000 sq. ft. manufacturing facility, located in Kentwood MI, is home to our sales, design and manufacturing groups and includes a working showroom with demonstration and learning facilities.
- ⊕ Our customer service and sales groups are knowledgeable, professional and ready to assist you.
- ⊕ Our design group are specialists in several fields of design and support all typical file formats.
- ⊕ Our manufacturing and quality groups consist of knee mills, lathes, coordinate measuring systems and all associated equipment required for manufacturing with the future in mind.



C2 Gauge & Fixture, Kentwood Michigan

Widespread Acceptance

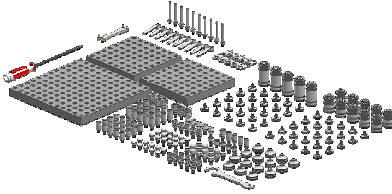
- | | | |
|------------------|-------------------|-----------------|
| ⊕ Aerospace | ⊕ Die Casting | ⊕ Ship Building |
| ⊕ Aircraft | ⊕ Electronics | ⊕ Steel |
| ⊕ Aluminum | ⊕ Instrumentation | ⊕ Tooling |
| ⊕ Automotive | ⊕ Machine Tool | ⊕ And growing |
| ⊕ Communications | ⊕ Medical | |
| ⊕ Defense | ⊕ Plastics | |

American Modular Tooling

The New Manufacturing

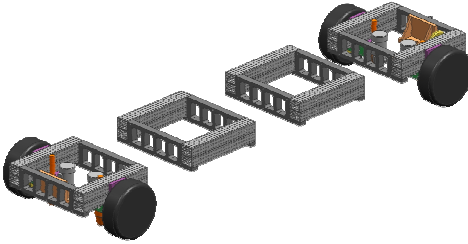
There is a worldwide movement to lean, efficient methods of manufacturing. The U.S. government is currently working with major manufacturers to implement modular, reconfigurable tooling. AMT fulfills the following:

- ⊕ Modular and reconfigurable
- ⊕ Rapid response and deployment
- ⊕ Light weight
- ⊕ Three E's...ecological, ergonomic and economic



AMT Advantages

- ⊕ Fixtures may be built rapidly and modified easily, resulting in immediate savings of time and money.
- ⊕ All components are completely reusable, unlike welded fixtures.
- ⊕ Aluminum is light in weight, resists corrosion and is ecologically sound
- ⊕ Modular elements make it easy to duplicate, or repeat, designs.
- ⊕ Large fixtures, such as body cubes, may be built in sections which can be assembled or dismantled quickly, permitting work at multiple locations.
- ⊕ A fixture may be assembled away from its site of design.



AMT is ideal for:

- | | | |
|---------------------------------------|---|--------------------------------------|
| ⊕ CMM Holding fixtures | ⊕ Checking fixtures, SPC and indicating | ⊕ Vacuum holding fixtures |
| ⊕ Attribute gages | ⊕ Body stacks, cube ups and bucks | ⊕ Multi-part pallet systems for CMMs |
| ⊕ Holding fixtures | ⊕ Armatures | ⊕ Shuttle systems |
| ⊕ Assembly fixtures | ⊕ Interior and exterior bucks | ⊕ Special machined details |
| ⊕ Welding fixtures | ⊕ Jigs and jiggling base plates | ⊕ Standard details |
| ⊕ Hand apply fixtures or gages | ⊕ Universal, multi-part holding devices | ⊕ Check rails, net pads, locators |
| ⊕ Layout fixtures | | ⊕ Clamping systems |
| ⊕ Checking fixtures, flush and feeler | | |

- ⊕ We have included several illustrations and photos of production AMT jobs throughout our catalog — refer to the Photo chapter on pages 139-150 for even more.

American Modular Tooling

Fast parts fixturing, rapid tool development, simplified machining and fast assembly make American Modular Tooling an ideal addition to the worldwide movement for lean, efficient methods of manufacturing. Every element has been designed for maximum efficiency and cross-system adaptability. Components are available individually, in kits or as custom fixtures designed and built per your part print.

Material Properties of AMT Components:

AMT "Construction Grade" Extruded Profiles and Locators

- ⊕ 6061-T6, Temper 6
- ⊕ KSI Tensile: 47,000 PSI
- ⊕ KSI Yield: 40,000 PSI
- ⊕ Hard Coat Anodized
- ⊕ Elongation Factor: 8%

AMT "Professional Grade" Extruded Profiles and Top Elements

- ⊕ 7075-T6, Temper 6
- ⊕ KSI Tensile: 78,000 PSI
- ⊕ KSI Yield: 68,000 PSI
- ⊕ Hard Coat Anodized
- ⊕ Elongation Factor: 6%

AMT "Special Duty" Extruded Profiles.

- ⊕ 6082-T6, Temper 6, Special Blend
- ⊕ KSI Tensile: 45,000 PSI
- ⊕ KSI Yield: 30,000 PSI
- ⊕ Hard Coat Anodized
- ⊕ Elongation Factor: 4.5–5.5%

AMT "Special Duty" Cast Products

- ⊕ 319, 0-T5 Sand Cast
- ⊕ KSI Tensile: 30,000 PSI
- ⊕ KSI Yield: 26,000 PSI
- ⊕ Hard Coat Anodized
- ⊕ Elongation Factor: 1.5%

AMT Connection Elements

- ⊕ 2024-T6
- ⊕ KSI Tensile: 69,000 PSI
- ⊕ KSI Yield: 57,000 PSI
- ⊕ Hard Coat Anodized
- ⊕ Elongation Factor: 10%

Benefits of the American Modular Tooling System

Manufacturing and Engineering:

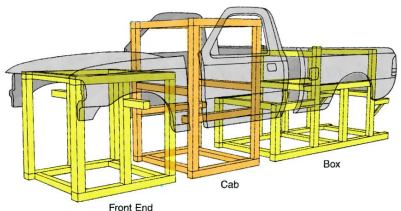
- | | |
|---------------------|--------------|
| ⊕ Facility Usage | 48% Less |
| ⊕ Lead Time | 60% Less |
| ⊕ Tooling Costs | 44% Less |
| ⊕ Tooling Labor | 60% Less |
| ⊕ Tool Design Costs | 50% Less |
| ⊕ Equipment Needs | 70% Less |
| ⊕ Reusable Material | 70% Reusable |

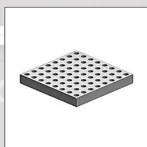
Manufacturing and Assembly:

- | | |
|-----------------------------|-------------|
| ⊕ Assembly Labor | 70% Less |
| ⊕ Through-put Increase | 45% More |
| ⊕ Accuracy of Assemblies | 50% Greater |
| ⊕ Periodic Inspection | 50% Less |
| ⊕ Reconfigurable | Priceless |
| ⊕ Modularity | Priceless |
| ⊕ Rapid Engineering Changes | Priceless |

Other Benefits:

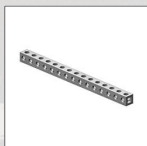
- ⊕ Fewer corrosion problems due to hard coat aluminum
- ⊕ Lower shipping costs due to lighter weight
- ⊕ Faster setup at customers facility
- ⊕ Good ROI on leasing of tool (70% reusable)
- ⊕ Can be used as temporary rate tool
- ⊕ Less space required for storage
- ⊕ Minimal maintenance requirements
- ⊕ Environmentally correct





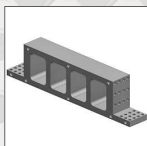
Grid Plates provide the basic structural foundation of almost any fixture.

Pages 7—16



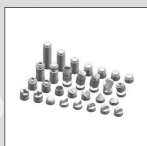
Light weight Hollows feature a channelled interior for high accuracy.

Pages 17—34



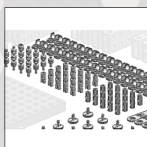
Special duty supports, gussets and foot plates provide added strength.

Pages 35—42



Locating and Clamping Elements hold and locate parts of many shapes and sizes.

Pages 43—72



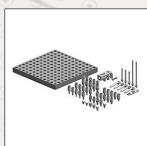
Connection Elements permit rapid assembly of fixtures.

Pages 73—86



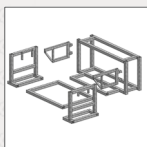
Tools and Storage Cabinets

Pages 87—92



Kits are designed to accommodate all varieties of fixturing requirements.

Pages 93—124



Studio Tools

Pages 125—138



Photos

Pages 139—150

American Modular Tooling

Testimonial of the Year:

Modular Tooling Reduces Fixturing Costs, Allows Conversion From One Make to Another.

"It's easy to learn, but there is so much there that you have to sort through it. Once you know what everything does, it's like working with one of those Erector® sets you had when you were a kid. It's very, very user friendly."

Bill Ralph, Quality Metalcraft, Inc.



"I would recommend it to anybody. You are better off sticking with the people who know what to do with it."

Two sided modular tool converted for reuse after its initial run for a different manufacturer.

"If it's going to cost us a measly \$3,000.00 to build a, say, \$100,000.00 fixture...we want to do it."



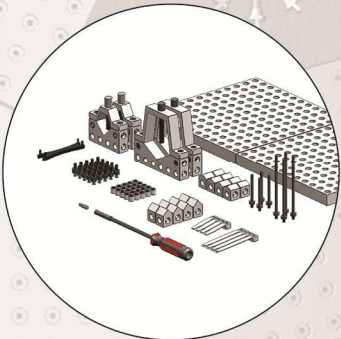
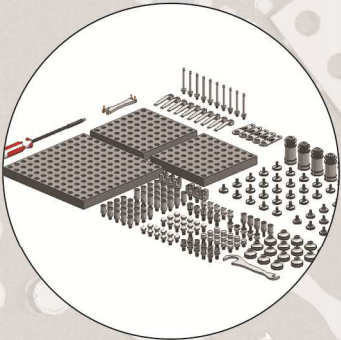
A close-up view showing a three-axis adjustable locating element holding a door in body position.

"It's part of our system now, they are definitely going to use it on the next big project. It should last for years."

Read the entire article in Quality Magazine, 2008 or online at www.qualitymag.com.

See more on our website, pmargage.com

American Modular Tooling



Grid Plates

Hollows

Special Duty

Locating & Clamping

Connection Elements

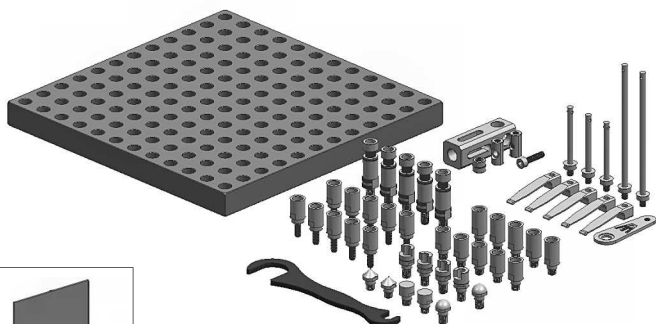
Tools & Storage

Fixturing Kits

Studio Tools

Photos

Kit #AMT-10007

**AMT-10007****Fixturing Kit, 53 pieces, System 25**

AMT Fixturing Kits feature:

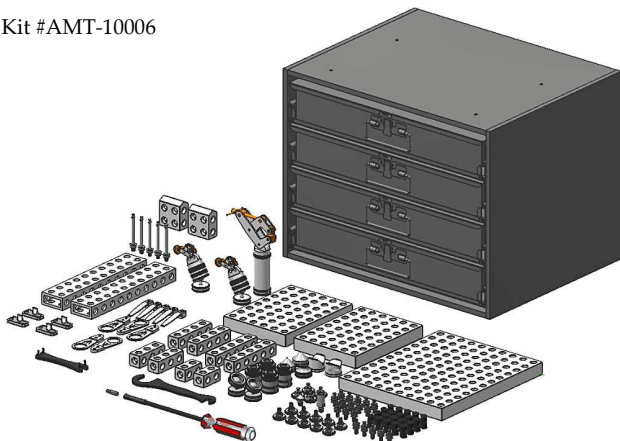
- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.



Part Number	Description	Qty.
AMT-11049	25x300x300mm Grid Plate M6	1
AMT-11505	Off-Grid block	1
AMT-15003	Top element, flat	2
AMT-15010	Sphere, 1/2 10x15mm	2
AMT-15015	Stack Jack®, 15mm	5
AMT-15020	Cone, 10x15mm	2
AMT-15037	Wall, 50% 10x15mm	3
AMT-15041	Wall 75% 10x15mm	1
AMT-15064	Riser 20x15mm M8	5
AMT-15065	Riser 25x15mm M8	5
AMT-15075	Riser 20x15mm M8/M6	10
ATM-16004	Finger clamp 60mm	5
AMT-16012	Clamp stud 60mm	3
AMT-16014	Clamp stud 130mm	2
AMT-16020	Stud post holder 15mm	1
AMT-17102	Shouldered dowel 12.5mm	1
AMT-17120	Nut, single M6	1
AMT-17141	Chase, single M6	1
AMT-17162	Screw M6x25mm	1
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.

Kit #AMT-10006

**AMT-10006**

Comprehensive kit includes Hollows, Connection Elements, 30 mm Locating Elements and clamping Elements. Includes a four drawer storage cabinet.

AMT Fixturing Kits feature:

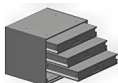
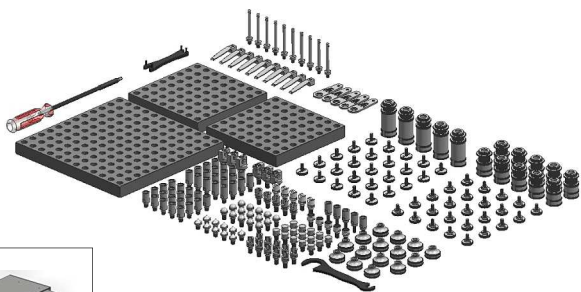
- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.

Fixturing Kit, 106 pieces, System 25

Part Number	Description	Qty.
AMT-11035	Grid Plate 25x250x300 M6	1
AMT-11018	Grid Plate 25x150x200 M6	2
AMT-19214	25x50x250mm Hollow	2
AMT-21106	25x25x50mm Solid Bar	2
AMT-21107	25x25x75mm Solid Bar	2
AMT-21108	25x25x100mm Solid Bar	2
AMT-21109	25x25x125mm Solid Bar	2
AMT-11531	Prism Blck 120° 25x50x56.25	2
AMT-17133	Lock for Retention Bolt 25mm	20
AMT-17113	Ret. Bolt, Double 12.5mm	10
AMT-17112	Ret. Bolt, Combi, 12.5 x 30 M6	3
AMT-17172	Disc Bolt w/ Shoulder 12.5	3
AMT-15200	StackJack® 38-50x30mm M24	4
AMT-17172	Disc Bolt w/ Shoulder 12.5	1
AMT-16046	KantTwist® Clamp 3/4", Ball	2
AMT-15235	Cone 90° 35x30 mm	2
AMT-15077	Base 30x20x15 mm M24	1
AMT-15065	Riser 25x15 mm M8	1
AMT-15020	Cone 10x15 mm	1
AMT-15258	Vee 90° 35x30 mm	1
AMT-15259	Vee 60° 35x30 mm	1
AMT-15340	Ball Joint 30 mm	2
AMT-16004	Finger Clamp 60 mm	5
AMT-16012	Clamp Stud 60 mm	5
AMT-16023	Stud Holder 30 mm	5
AMT-16045	KantTwist® Clamp 2", Top	1
AMT-10060	Wrench 15mm/30mm, Univ.	1
AMT-10053	Screwdriver, Univ.	1
AMT-10052	Spanner Tool, 25/40	1
AMT-17171	Centering Disc 24x12.5, M6	10
AMT-10040	Storage Case with Drawers	1
AMT-17112	Ret. Bolt, Combi 12.5x30, M6	5
AMT-17148	End Cap 25x50 mm	4



Kit #AMT-10010



AMT-10010

Fixturing Kit #1, 222 pieces, System 25

AMT Fixturing Kits feature:

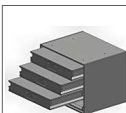
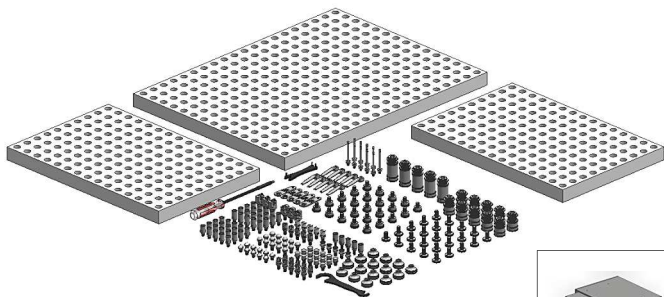
- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.



Part Number	Description	Qty.
AMT-11021	Grid Plate 25x200x200mm M6	2
AMT-11049	Grid plate 25x300x300mm M6	1
AMT-15003	Top element, flat 10x15mm	15
AMT-15010	Sphere, 1/2 10x15mm	15
AMT-15020	Cone 10x15mm	10
AMT-15026	Vee 45° 10x15mm	5
AMT-15037	Wall 50% 10x15mm	10
AMT-15041	Wall 75% 10x15mm	5
AMT-15047	Indicator holder .375"	3
AMT-15050	Indicator holder M8	3
AMT-15057	Magnet 10x15mm	5
AMT-15064	Riser 20x15mm M8	20
AMT-15065	Riser 25x15mm M8	20
AMT-15075	Riser 20x15mm M6	5
AMT-15077	Base M24 30x20x15mm	20
AMT-15200	Stack Jack® 38-50x30mm M24	10
AMT-15201	Stack Jack® 63-75x30mm M24	5
AMT-16004	Finger clamp 60mm	10
AMT-16012	Clamp stud 60mm	10
AMT-16020	Stud post holder 15mm	5
AMT-17171	Disc cntring 24mm x 30 M6	20
AMT-17173	Disc non-cntr 24mm x 30 M6	20
AMT-10040	Storage case with drawers	1

Note: All kits include needed tools.

Kit #AMT-10011

**AMT-10011****Fixturing Kit #2, 222 pieces, System 40**

Kit for larger parts includes System 40 grid plates and elements.

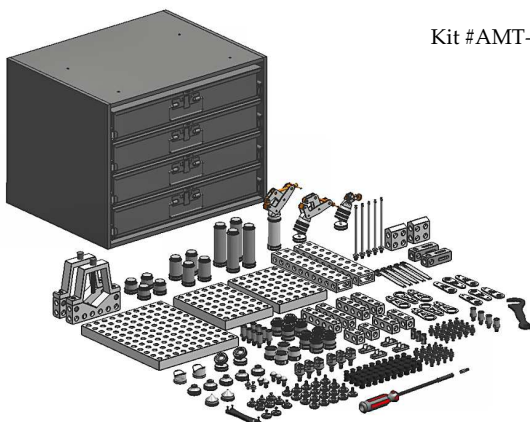
AMT Fixturing Kits feature:

- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.



Part Number	Description	Qty.
AMT-11415	Grid Plate 40x400x600mm M10	2
AMT-11420	Grid plate 40x600x800mm M10	1
AMT-15003	Top element, flat 10x15mm	15
AMT-15010	Sphere, 1/2 10x15mm	15
AMT-15020	Cone 10x15mm	10
AMT-15026	Vee 45° 10x15mm	5
AMT-15037	Wall 50% 10x15mm	10
AMT-15041	Wall 75% 10x15mm	5
AMT-15047	Indicator holder .375"	3
AMT-15050	Indicator holder M8	3
AMT-15057	Magnet 10x15mm	5
AMT-15064	Riser 20x15mm M8	20
AMT-15065	Riser 25x15mm M8	20
AMT-15075	Riser 20x15mm M6	5
AMT-15077	Base M24 30x20x15mm	20
AMT-15200	Stack Jack® 38-50x30mm M24	10
AMT-15201	Stack Jack® 63-75x30mm M24	5
AMT-16004	Finger clamp 60mm	10
AMT-16012	Clamp stud 60mm	10
AMT-16020	Stud post holder 15mm	5
AMT-17271	Disc cntring 24mm x 30 M6	20
AMT-17273	Disc non-cntr 24mm x 30 M6	20
AMT-10040	Storage case with drawers	1

Note: All kits include needed tools.



Kit #AMT-10017

AMT-10017**Fixturing Kit, 229 pieces, System 25**

The perfect kit for CMM applications.

AMT Fixturing Kits feature:

- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.
- ⊕ Components can be used across system sizes 25 and 40

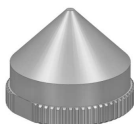
AMT-11035	Grid Plate 25x250x300mm	1
AMT-11018	Grid Plate 25x150x200mm	2
AMT-19214	25x50x250mm Hollow	2
AMT-21106	25x25x50mm Solid Bar	2
AMT-21107	25x25x75mm, Solid Bar	2
AMT-21108	25x25x100mm, Solid Bar	2
AMT-21109	25x25x125mm, Solid Bar	2
AMT-11531	Prism Bkck, 120° 25x50x56.25	2
AMT-17133	Lock for Ret. Bolt, 25mm	40
AMT-17113	Ret. Bolt, Dbl, 12.5mm	20
AMT-17112	Ret. Bolt, Combi, 12.5x30mm	6
AMT-17172	Disc Bolt w/ Shldr, 12.5 M24	6
AMT-15200	StackJack® 38-50x30 M24	4
AMT-16046	KantTwist® Clamp, 3/4", Ball	1
AMT-16004	Finger Clamp 60mm	5
AMT-16012	Clamp Stud 60mm	5
AMT-16048	KantTwist® Clamp, 2", Ball	1
AMT-17172	Disc Bolt w/ Shldr 12.5 M24	1
AMT-15258	Vee 90° 35x30mm	1
AMT-15259	Vee 60° 35x30mm	1
AMT-15340	Ball Joint 30mm	2
AMT-15235	Cone 90° 35x30mm	2
AMT-15077	Base 30x20x15mm M24	2
AMT-15065	Riser 25x15mm M8	5
AMT-15020	Cone 10x15mm	2

Parts list continued on next page

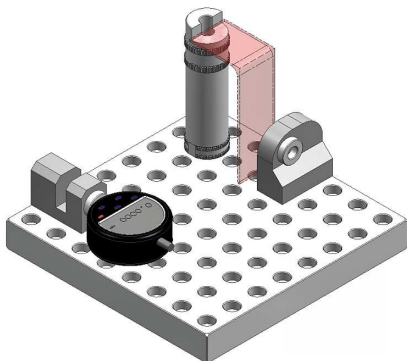


AMT-10017

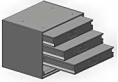
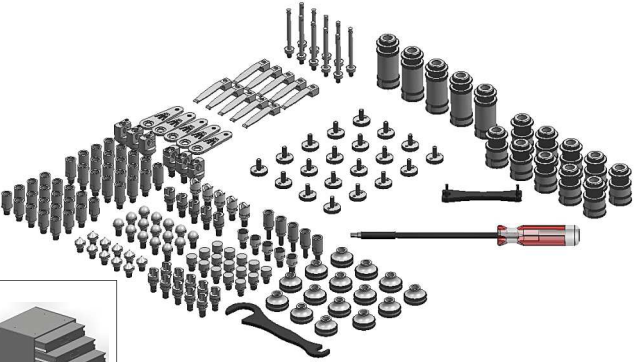
Fixturing Kit, 229 pieces, continued



Part Number	Description	Qty.
AMT-15077	Base 30 x 20x15mm M24	3
AMT-15065	Riser 25x15mm M8	3
AMT-15010	SPC Locator 1/2"	3
AMT-16023	Stud Holder 30mm	6
AMT-11560	Vee Blck 120°, 25x50x150mm	2
AMT-11505	Off-Grid Block 25mm	2
AMT-17174	Off-Grid Disc Ret. Bolt M24	2
AMT-17120	Nut Single M6	3
AMT-17118	Off-Grid Ret. Bolt 12.5mm	2
AMT-15357	Rare Earth Magnet 30, M24	2
AMT-15340	Ball Joint 30mm	2
AMT-10040	Storage Case with Drawers	1
AMT-17112	Ret. Bolt Combi 12.5x30, M6	10
AMT-10060	Wrench 15mm/30mm, Univ.	1
AMT-10053	Screwdriver, Univ.	1
AMT-10052	Spanner Tool 25/40, Univ.	1
AMT-17171	Centering Disc 24x12.5, M6	20
AMT-16014	Clamp Stud 130mm	5
AMT-16005	Finger Clamp 105mm	5
AMT-17148	End Cap 25x50mm	4
AMT-15214	Riser 25x30mm	4
AMT-15216	Riser 50x30mm	4
AMT-15218	Riser 100x30mm	4
AMT-16020	Stud Holder 15mm	6
AMT-15047	Indicator Hldr .375x20x15	3
AMT-15050	Indicator Hldr 20x15mm M8	3
AMT-15320	Rotary Element 30mm	4
AMT-15064	Riser 20x15mm M8	4
AMT-10040	Storage cabinet with drawers	1



Kit #AMT-10013



AMT-10013

Fixturing Kit #3, 199 pieces,
System 25 (shown)

This expansion and cross-over kit allows AMT components to mount on customer specified plates.

Thread sizes that are available from our stock: M6, M10, 1/4-20, 3/8-16. Custom thread sizes are also available.

AMT Fixturing Kits feature:

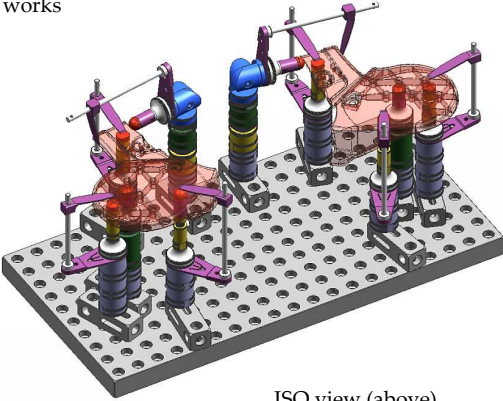
- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ AMT high precision components with hard coat anodized finish
- ⊕ Components can be used across system sizes 25 and 40

Part Number	Description	Qty.
AMT-14073	Disc, flat 24mm 1/4-20	20
AMT-14075	Riser 1/4-20xM8x15mm	5
AMT-15003	Top element, flat 10x15mm	15
AMT-15010	Sphere 1/2 10x15mm	15
AMT-15020	Cone 10x15mm	10
AMT-15026	Vee 45° 10x15mm	5
AMT-15037	Wall 50% 10x15mm	10
AMT-15041	Wall 75% 10x15mm	5
AMT-15047	Indicator holder .375"	3
AMT-15050	Indicator holder M8	3
AMT-15057	Magnet 10x15mm	5
AMT-15064	Riser 20x15mm M8	20
AMT-15065	Riser 25x15mm M8	20
AMT-15077	Base M24 30x20x15mm	20
AMT-15200	Stack Jack® 38-50x30mm M24	10
AMT-15201	Stack Jack® 63-75x30mm M24	5
AMT-16004	Finger clamp 60mm	10
AMT-16012	Clamp stud 60mm	5
AMT-14012	Clamp stud 1/4-20 thread	5
AMT-16020	Stud post holder 15mm	5
AMT-10040	Storage case with drawers	1

Note: All kits include needed tools.

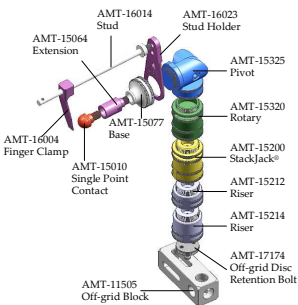
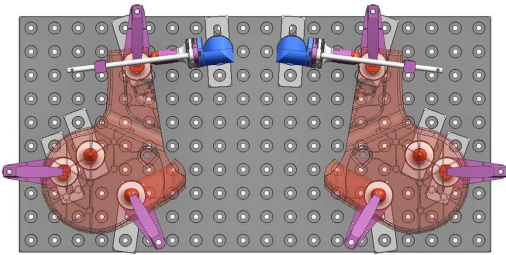
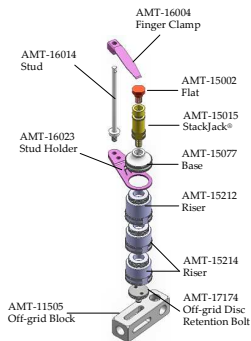
SOLUTIONS®

How it works

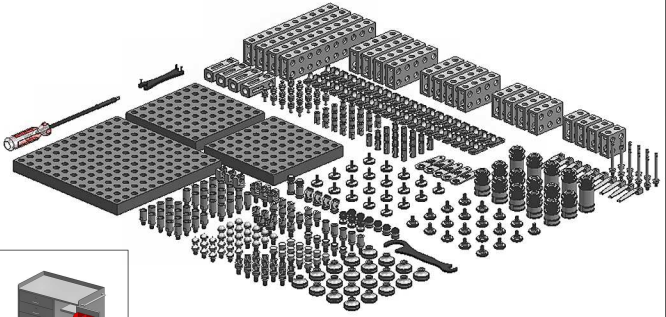


ISO view (above)

Top view (below)

Details from same tool
(above and right)

Kit #AMT-10015

**AMT-10015****Fixturing Kit #9, 379 pieces, System 25**

AMT Fixturing Kits feature:	Part Number	Description	Qty.
⊕ Material 7075-T6 aluminum components	AMT-11021	Grid plate 25x200x200mm M6	2
⊕ See Material Properties on page 4.	AMT-11049	Grid plate 25x300x300mm M6	1
⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.	AMT-11505	Off-grid block	4
⊕ Components can be used across system sizes 25 and 40	AMT-15003	Top element, flat 10x15mm	15
	AMT-15010	Sphere 1/2 10x15mm	18
	AMT-15020	Cone 10x15mm	13
	AMT-15026	Vee 45° 10x15mm	7
	AMT-15030	Vee 60° 10x15mm	2
	AMT-15037	Wall 50% 10x15mm	14
	AMT-15041	Wall 75% 10x15mm	7
	AMT-15047	Indicator holder .375"	3
	AMT-15050	Indicator holder M8	3
	AMT-15057	Magnet 10x15mm	5
	AMT-15064	Riser 20x15mm M8	20
	AMT-15065	Riser 25x15mm M8	20
	AMT-15075	Riser 20x15mm M6xM8	5
	AMT-15077	Base M24 30x20x15mm	20
	AMT-15105	Spring element 15mm	2
	AMT-15120	Rotary element 15mm	6
	AMT-15125	Pivot element 15mm	4
	AMT-15130	Rotary/pivot element 15mm	2
	AMT-15140	Ball joint 15mm	3
	AMT-15200	Stack Jack® 38-50x30mm M24	10
	AMT-15201	Stack Jack® 63-75x30mm M24	5

Parts list continued on next page

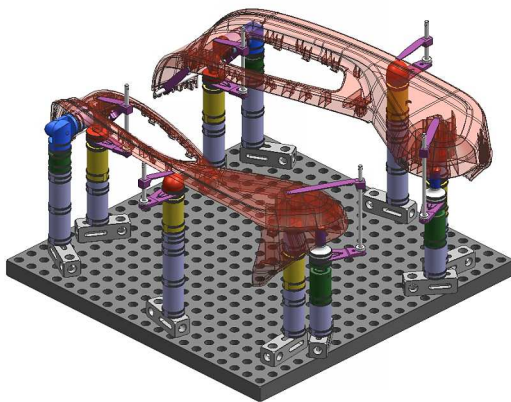
AMT-10015

Fixturing Kit #9, 379 pieces continued

Part Number	Description	Qty.
AMT-16004	Finger clamp 60mm	10
AMT-16012	Clamp stud 60mm	10
AMT-16020	Stud post holder 15mm	5
AMT-17112	Combi Reten. bolt 12.5x30 M6	20
AMT-17120	Nut, single M6	20
AMT-17133	Lock for retention bolt 25mm	20
AMT-17147	End cap 25x25mm	40
AMT-17171	Disc cntrng 24mmx12.5x30 M6	20
AMT-17173	Disc non-cntr 24mmx30 M6	20
AMT-19206	25x50x50mm Hollow	4
AMT-19207	25x50x75mm Hollow	4
AMT-19208	25x50x100mm Hollow	4
AMT-19209	25x50x125mm Hollow	4
AMT-19214	25x50x250mm Hollow	4
AMT-10048	Storage cabinet with drawers	1

Note: All kits include needed tools.

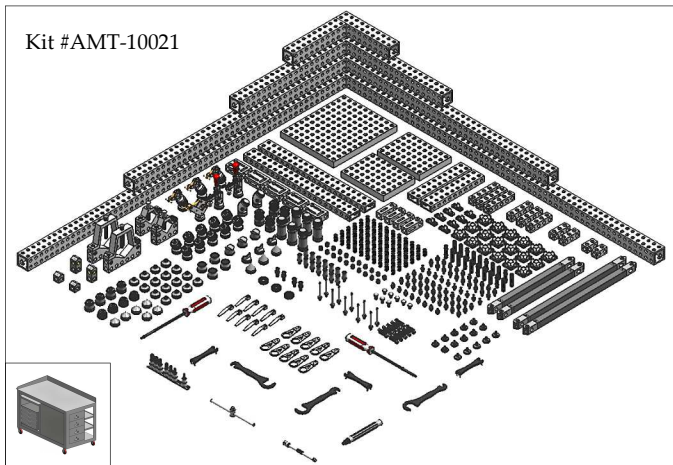
Be creative...



Fixturing Kits

think modular.

Kit #AMT-10021

**AMT-10021****Fixturing Kit, 599 pieces, System 25**

AMT Fixturing Kits feature:

- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.
- ⊕ Components can be used across system sizes 25 and 40

AMT-11035	Grid Plate 25x250x300 M6	1
AMT-11018	Grid Plate 25x150x200 M6	2
AMT-19214	25x50x250mm Hollow	2
AMT-17148	End Cap 25 x 50mm	8
AMT-19224	25x50x500mm Hollow	2
AMT-21106	25x25x50mm Solid	2
AMT-21107	25x25x75mm Solid	2
AMT-21108	25x25x100mm Solid	3
AMT-21109	25x25x125mm Solid	3
AMT-09314	50x50x250mm Hollow	2
AMT-09324	50x50x500mm Hollow	2
AMT-09344	50x50x1000mm Hollow	2
AMT-09364	50x50x1500mm Hollow	2
AMT-17149	End Cap 50x50mm	18
AMT-11505	Off-Grid Block 25mm	4
AMT-11506	Off-Grid Block Bi-Direction.	5
AMT-15325	Pivot Element 30mm	2
AMT-27508	Strut 25x250x325mm	2
AMT-27510	Strut 25x325x425mm	4
AMT-11550	Vee Blck 90° 25x50x100mm	2
AMT-11560	Vee Blck 120° 25x50x150mm	2
AMT-11511	Prism Blck 120° 25x25x31.25	2
AMT-11516	Prism Blck 120° 25x25x56.26	2
AMT-17133	Lock for Ret. Bolt 25mm	60
AMT-17112	Ret. Bolt Combi 12.5x30 M6	20

Parts list continued on next page



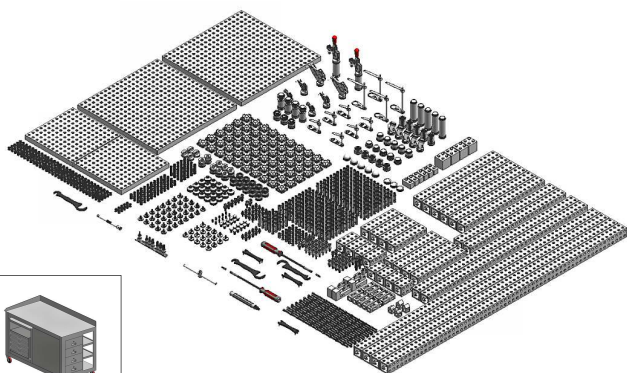
AMT-10021

Fixturing Kit, 599 pieces continued



AMT-17118	Off-Grid Ret. Bolt 12.5mm	10
AMT-17113	Ret. Bolt Double 12.5mm	30
AMT-17115	Ret. Bolt Combi 12.5mm	8
AMT-10060	Wrench, 15mm/30mm Univ.	2
AMT-10053	Screwdriver, Univ.	2
AMT-10052	Spanner Tool, 25/40 Univ.	2
AMT-17102	Dowel w/ Shoulder 12.5mm	50
AMT-17121	Nut Double M6	70
AMT-17142	Chase Double M6	50
AMT-17162	Screw M6 x 30mm, SHCS	70
AMT-15200	StackJack® 38-50x30 M24	4
AMT-15212	Riser 15x30mm	4
AMT-15214	Riser 25x30mm	4
AMT-17172	Disc Bolt w/ Shldr 12.5 M24	20
AMT-17174	Off-Grid Ret. Bolt Disc M24	5
AMT-15235	Cone 90° 35x30mm	6
AMT-15077	Base 30x20x15mm M24	16
AMT-15065	Riser 25x15mm M8	14
AMT-15020	Cone 10x15mm	5
AMT-15010	SPC Locator 1/2"	3
AMT-15340	Ball Joint 30mm	10
AMT-15259	Vee 60° 35x30mm	3
AMT-15264	Vee 120° 30mm Thin	3
AMT-15357	Rare Earth Magnet 30 M24	4
AMT-15305	Spring Element 30mm	6
AMT-15236	Cone 120° 25x30mm	3
AMT-15037	Wall 1/2 10x15mm	2
AMT-15041	Wall 3/4 10x15mm	2
AMT-16047	KantTwist® Clamp 1", Ball	3
AMT-14009	Spacer 132x10mm M24	3
AMT-16004	Finger Clamp 60mm	10
AMT-16012	Clamp Stud 60mm	10
AMT-16023	Stud Holder 30mm	5
AMT-16045	KantTwist® Clamp 2", Top	1
AMT-16040	Toggle Disc w/ Clamp Top	2
AMT-10049	Work Station with Drawers	1

Kit #AMT-10016

**AMT-10016****Fixturing Kit, 1,100 pieces, System 25**

An ideal kit for large plastic or sheet metal parts. Includes grid plates and Hollows.

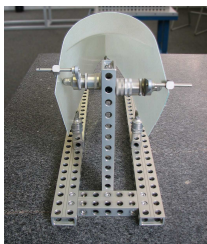
The "ultimate" kit.

AMT Fixturing Kits feature:

- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.
- ⊕ Components can be used across system sizes 25 and 40

Part Number	Description	Qty.
AMT-01049	Grid Plate 25x300x300mm M6	2
AMT-01079	Grid Plate 25x500x500mm M6	2
AMT-09307	50x50x75mm Hollow	4
AMT-09308	50x50x100mm Hollow	4
AMT-09312	50x50x200mm Hollow	4
AMT-09316	50x50x300mm Hollow	4
AMT-09324	50x50x500mm Hollow	6
AMT-09328	50x50x600mm Hollow	2
AMT-09344	50x50x1000mm Hollow	2
AMT-09364	50x50x1500mm Hollow	4
AMT-17149	End cap 50x50mm	60
AMT-17102	Shoulder dowel 12.5mm	150
AMT-17103	Plain dowel 12.5mm	10
AMT-17162	Screw M6x30 SHC	150
AMT-17121	Nut, double M6	150
AMT-17142	Chase, double M6	150
AMT-17120	Nut, single M6	25
AMT-17141	Chase, single M6	25
AMT-17112	Retention bolt, combi M6	20
AMT-17113	Retention bolt, double M6	10
AMT-17117	Retention bolt, short M6	20
AMT-17132	Retention bolt lock 50mm	20
AMT-17133	Retention bolt lock 25mm	40
AMT-17171	Disc, centering M6	40
AMT-17172	Ret. bolt disc 12.5mm M24	20
AMT-17173	Disc, non-centering M6	20
AMT-10053	Screwdriver, universal	2

Parts list continued on next page



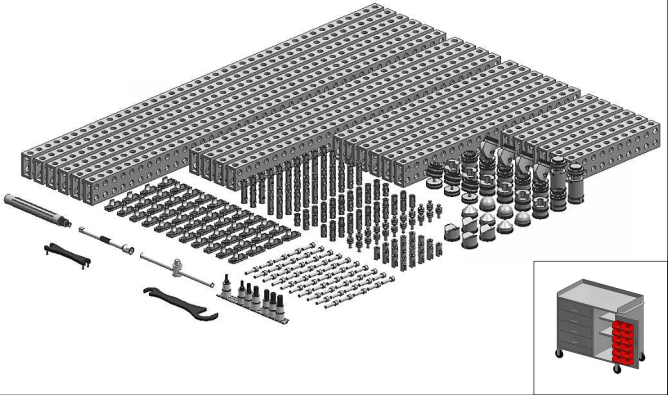
AMT-10016

Fixturing Kit, 1,100 pieces continued



Part Number	Description	Qty.
AMT-10052	Spanner tool, universal	2
AMT-15002	Flat cap 5x15mm M8	10
AMT-15010	Sphere 10x15mm M8	10
AMT-15020	Cone 10x15mm M8	10
AMT-15026	Vee 90° 10x15mm M8	2
AMT-15037	Wall 50% 10x15mm M8	6
AMT-15041	Wall 75% 10x15mm M8	2
AMT-15047	Ind. holder .375" 10x15mm M8	2
AMT-15057	Magnet 10x15mm M8	2
AMT-15064	Riser 20mm M8	20
AMT-15015	StackJack© 40-52mm M8	2
AMT-15077	Base 20x30mm M24	20
AMT-15075	Extension 20mm M6/M8	20
AMT-15248	Sphere 25x30mm M24	5
AMT-15206	Flat cap 10x30mm M24	3
AMT-15125	Pivot, 15mm M6	3
AMT-15270	Wall 50% 35x20mm M24	6
AMT-15271	Wall 75% 35x30mm M24	2
AMT-15200	StackJack© 38-50mm M24	5
AMT-15201	StackJack© 63-75mm M24	5
AMT-15212	Riser 15mm M24	5
AMT-15214	Riser 25mm M24	5
AMT-15218	Riser 100mm M24	5
AMT-15340	Ball joint 45x30mm M24	10
AMT-15305	Spring element 60-75mm M24	4
AMT-15325	Pivot 50x30mm M24	5
AMT-15320	Rotary element 35x30mm M24	3
AMT-11505	Off-grid block 25x25x75mm	10
AMT-11510	Prism block 90°	2
AMT-11511	Prism block 120°	2
AMT-14106A	Net block 95x45mm	4
AMT-14102	Net block adapter	4
AMT-14702	Nub block 25x50x25mm	6
AMT-14740	Nub block 50x50x50mm	4
AMT-16030	Clamp assembly	6
AMT-16004	Finger clamp 60mm	6
AMT-16005	Finger clamp 105mm	4
AMT-16012	Clamp stud 60mm	6
AMT-16014	Clamp stud 130mm	4
AMT-16040	Toggle clamp	2
AMT-16043	Clamp 3/4" KantTwist©	2
AMT-16044	Clamp 1" KantTwist©	2
AMT-16045	Clamp 2" KantTwist©	2
AMT-16023	Clamp stud holder 30mm	6
AMT-10049	Workstation with drawers	1

Kit #AMT-10019

**AMT-10019****Expansion Kit, 292 pieces, System 25**

A great kit for building frames, cubes and more. Kit Includes locating and connection elements.

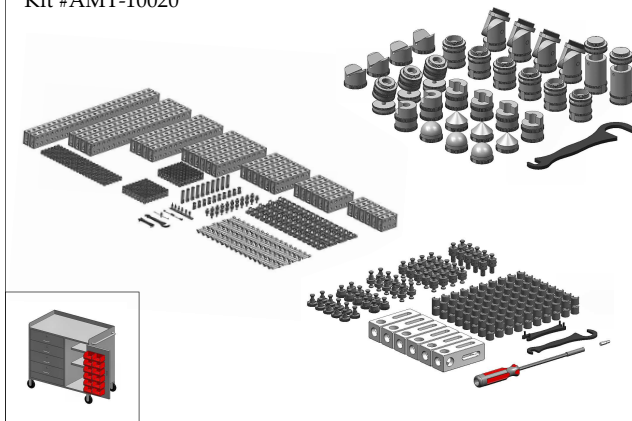
AMT Fixturing Kits feature:

- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.
- ⊕ Components can be used across system sizes 25 and 40

Part Number	Description	Qty.
AMT-15235	Cone 45° 25x30mm	3
AMT-15248	Sphere 25x30mm	3
AMT-15258	Vee 45° 35x30mm	2
AMT-15259	Vee 60° 35x30mm	2
AMT-15270	Wall 50% 35x30mm	4
AMT-15271	Wall 75% 35x30mm	2
AMT-15305	Spring element 30mm	2
AMT-15320	Rotary element 30mm	6
AMT-15325	Pivot element 30mm	4
AMT-15340	Ball joint 30mm	3
AMT-17112	Combi reten. bolt 12.5x30mm	20
AMT-17120	Nut, single M6	20
AMT-17121	Nut, double M6	20
AMT-17133	Lock for retention bolt 25mm	20
AMT-17141	Chase, single M6	20
AMT-17142	Chase, double M6	20
AMT-17148	End cap 25x50mm	44
AMT-17162	Screw M6x25 SST	50
AMT-17171	Disc cntrng 24mmx30 M6	25
AMT-19214	25x50x250mm Hollow	6
AMT-19224	25x50x500mm Hollow	6
AMT-19234	25x50x750mm Hollow	4
AMT-19244	25x50x1000mm Hollow	6
AMT-10048	Workstation with drawers	1

Note: All kits include needed tools

Kit #AMT-10020

**AMT-10020**

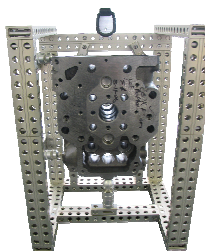
Accurate, strong, reusable AMT Hollows allow heavy parts like this 85 lb casting to be fixtured with ease and confidence.

AMT Fixturing Kits feature:

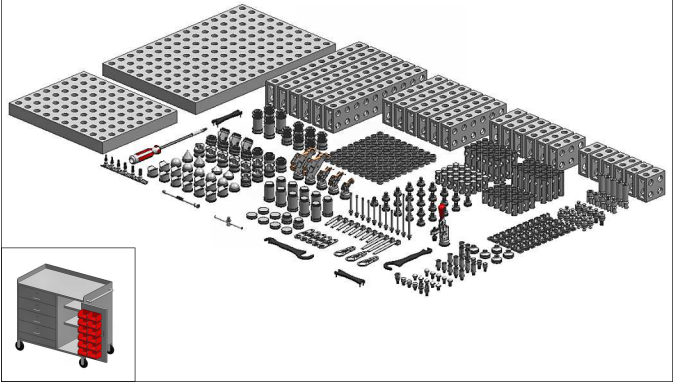
- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.002mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.
- ⊕ Components can be used across system sizes 25 and 40
- ⊕ Includes needed tools

Expansion Kit, 880 pieces, System 40

Part Number	Description	Qty.
AMT-09507	Hollow 40x80x120mm CG	6
AMT-09509	Hollow 40x80x200mm CG	6
AMT-09511	Hollow 40x80x220mm CG	4
AMT-09514	Hollow 40x80x400mm CG	6
AMT-09518	Hollow 40x80x560mm CG	4
AMT-09524	Hollow 40x80x800mm CG	4
AMT-09529	Hollow 40x80x1000mm CG	2
AMT-11605	Off-Grid Block, 40mm	5
AMT-15235	Cone 90° 35x30mm	3
AMT-15248	Sphere 25x30mm	3
AMT-15258	Vee 90° 35x30mm	2
AMT-15259	Vee 60° 35x30mm	2
AMT-15270	Wall 50%, 35x30mm	4
AMT-15271	Wall 75%, 35x30mm	2
AMT-15305	Spring Element 30mm	2
AMT-15320	Rotary Element 30mm	6
AMT-15325	Pivot Element 30mm	4
AMT-15330	Rotary/Pivot Element 30mm	2
AMT-15340	Ball Joint 30mm	3
AMT-17212	Combi Ret. Bolt 20mm M10	10
AMT-17213	Double Ret. Bolt 20mm	20
AMT-17218	Off-Grid Ret. Bolt 20x10.7	6
AMT-17233	Lock for Retention Bolt 40mm	40
AMT-17271	Bolt Disc w/ Shldr 30mm M10	10
AMT-17202	Shouldered Dowel 20mm	132
AMT-17212	Combi Ret. Bolt 20x30mm M10	20
AMT-17242	Chase, Double M10	64
AMT-17221	Nut, Double M10	64
AMT-17235	Lock for Retention Bolt 80mm	10
AMT-17241	Chase, Single M10	20
AMT-17220	Nut, Single M10	20
AMT-17248	End Cap 40x80	50
AMT-17264	Screw 50mm M10 SHCS	50
AMT-10048	Workstation with drawers	1



Kit #AMT-10024

**AMT-10024****Fixturing Kit #12, 459 pieces, System 40**

A comprehensive kit for medium-sized or odd shaped parts. Includes elements for adjusting to irregular surfaces.

AMT Fixturing Kits feature:

- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.
- ⊕ Components can be used across system sizes 25 and 40

Part Number	Description	Qty.
AMT-11406	Grid plate 40x320x400mm M10	1
AMT-11415	Grid plate 40x400x600mm M10	1
AMT-15003	Top element, flat 10x15mm	3
AMT-15010	Sphere 1/2 10x15mm	5
AMT-15015	Stack Jack® 15mm	2
AMT-15020	Cone 10x15mm	5
AMT-15037	Wall 50% 10x15mm	2
AMT-15041	Wall 75% 10x15mm	1
AMT-15057	Magnet 10x15mm	3
AMT-15064	Riser 20x15mm M8	5
AMT-15065	Riser 25x15mm M8	5
AMT-15077	Base M24 30x20x15mm	5
AMT-15200	Stack Jack® 38-50x30mm M24	6
AMT-15201	Stack Jack® 63-75x30mm M24	4
AMT-15206	Cap, flat 10x30mm	6
AMT-15213	Riser 20x30mm	4
AMT-15216	Riser 50x30mm	10
AMT-15235	Cone 45° 25x30mm	2
AMT-15236	Cone 60° 35x30mm	2
AMT-15248	Sphere 25x30mm	6
AMT-15258	Vee 45° 35x30mm	6
AMT-15259	Vee 60° 35x30mm	6
AMT-15270	Wall 50% 35x30mm	6
AMT-15271	Wall 75% 35x30mm	3
AMT-15320	Rotary element 30mm	3
AMT-15325	Pivot element 30mm	3

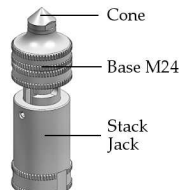
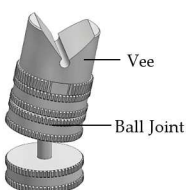
Parts list continued on next page

AMT-10024

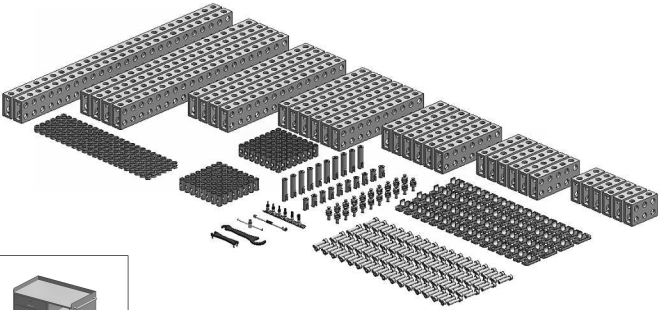
Fixturing Kit , 459 pieces continued

Part Number	Description	Qty.
AMT-15340	Ball joint 30mm	4
AMT-16004	Finger clamp 60mm	3
AMT-16005	Finger clamp 105mm	3
AMT-16012	Clamp stud 60mm	3
AMT-16014	Clamp stud 130mm	3
AMT-16020	Stud post holder 15mm	5
AMT-16023	Stud post holder 30mm	3
AMT-16030	Clamp asm, clamp/stud/holder	5
AMT-16040	Toggle disc w/ feet and clamp	3
AMT-16043	KantTwist® clamp 3/4", w/top	1
AMT-16044	KantTwist® clamp 1", w/top	2
AMT-16045	KantTwist® clamp 2", w/top	2
AMT-17202	Locator shoulder 20mm	100
AMT-17212	Combi ret bolt 20xM10x30mm	5
AMT-17213	Double retention bolt 20mm	10
AMT-17220	Nut, single M10	24
AMT-17221	Nut, double M10	24
AMT-17233	Lock for retention bolt, 40mm	5
AMT-17235	Lock for retention bolt, 80mm	10
AMT-17241	Chase, single M10	24
AMT-17242	Chase, double M10	24
AMT-17248	End Cap 40x80mm	30
AMT-17271	Disc cent M24xM10x20x30mm	25
AMT-09506	40x80x80mm Hollow	6
AMT-09507	40x80x120mm Hollow	6
AMT-09510	40x80x240mm Hollow	6
AMT-09514	40x80x400mm Hollow	6
AMT-10048	Workstation with drawers	1

Note: All kits include needed tools.



Kit #AMT-10026

**AMT-10026****Fixturing Kit #16, 526 pieces, System 40**

Combine this kit with your current kit to expand your fixturing capabilities. Select nets, locator clamps or machinable blocks to build great re-usable fixtures and gages.

AMT Fixturing Kits feature:

- ⊕ Material 7075-T6 aluminum components
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.

Part Number	Description	Qty.
AMT-17202	Shouldered dowel 20mm	132
AMT-17212	Combi ret. Bolt 20xM10x30mm	20
AMT-17220	Nut, single M10	50
AMT-17233	Lock for retention bolt, 40mm	10
AMT-17235	Lock for retention bolt, 80mm	10
AMT-17241	Chase, single M10	50
AMT-17248	End cap 40x80mm	50
AMT-17264	Screw M10x50mm SST	132
AMT-17242	Chase, Double M10	20
AMT-17221	Nut, Double M10	20
AMT-09507	40x80x120mm Hollow	6
AMT-09509	40x80x200mm Hollow	6
AMT-09511	40x80x280mm Hollow	4
AMT-09514	40x80x400mm Hollow	6
AMT-09518	40x80x560mm Hollow	4
AMT-09524	40x80x800mm Hollow	4
AMT-09529	40x80x1000mm Hollow	2
AMT-10048	Workstation	1

Note: All kits include needed tools.

Think modular:
Save money...
Save time...
Make Deadlines.

Kit #AMT-10029

**AMT-10029****Locator Element Kit, 33 pieces, System 25/40**

Expand your capabilities with these high quality, unique off-grid devices.

AMT — awesome.

AMT Fixturing Kits feature:

- ⊕ Material 7075-T6 aluminum components
- ⊕ AMT high precision components with hard coat anodized finish or black oxide where required
- ⊕ See Material Properties on page 4.
- ⊕ Components can be used across system sizes 25 and 40

Part Number	Description	Qty.
AMT-15010	Sphere 1/2 10x15mm	3
AMT-15020	Cone 10x15mm	3
AMT-15026	Vee 45° 10x15mm	2
AMT-15030	Vee 60° 10x15mm	2
AMT-15037	Wall 50% 10x15mm	4
AMT-15041	Wall 75% 10x15mm	2
AMT-15105	Spring element 15mm	2
AMT-15120	Rotary element 15mm	6
AMT-15125	Pivot element 15mm	4
AMT-15130	Rotary/pivot element 15mm	2
AMT-15140	Ball joint 15mm	3
AMT-10043	Storage drawer, adjustable	1



Pivot and rotary elements

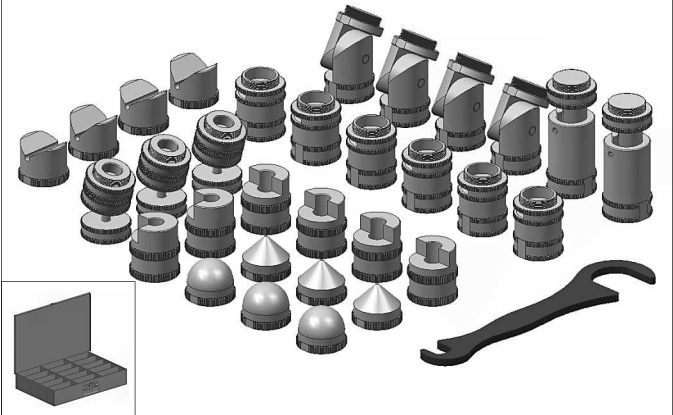


Rotary, pivot, vee and clamp elements



Spring element with cone

Kit #AMT-10030



AMT-10030

Locator Element Kit 33 pieces, System 25/40

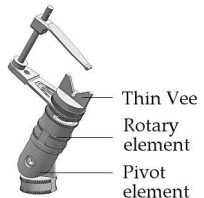
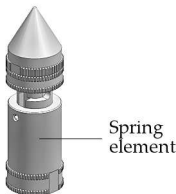
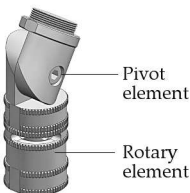
This Locator Element kit provides many options for off-grid locations on medium-sized parts. Rotate, pivot, spring or ball joint elements combine to achieve complex, multi-axis locators.

Free — you get 12 threaded attaching discs in the thread of your choice.

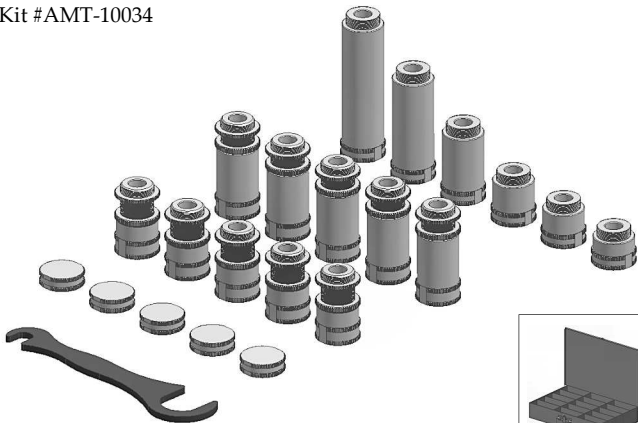
AMT high precision components with hard coat anodize finish or black oxide where required.

See Material Properties on page 4.

Part Number	Description	Qty.
AMT-15235	Cone 45° 25x30mm	3
AMT-15248	Sphere 25x30mm	3
AMT-15258	Vee 45° 35x30mm	2
AMT-15259	Vee 60° 35x30mm	2
AMT-15270	Wall 50% 35x30mm	4
AMT-15271	Wall 75% 35x30mm	2
AMT-15305	Spring element 30mm	2
AMT-15320	Rotary element 30mm	6
AMT-15325	Pivot element 30mm	4
AMT-15330	Rotary/pivot element 30mm	2
AMT-15340	Ball joint 30mm	3
AMT-10043	Storage drawer, adjustable	1



Kit #AMT-10034

**AMT-10034****Stack Jack® and Riser Kit, 21 pcs, System 25/40**

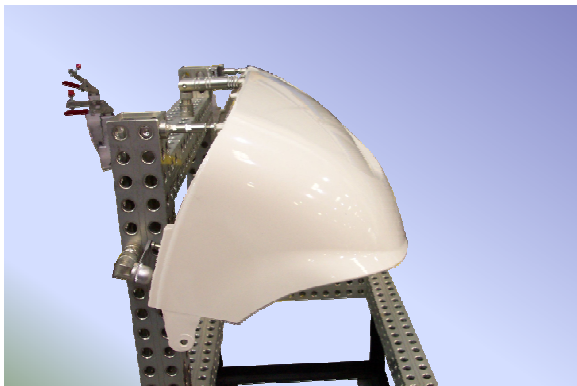
AMT accurate height positioners with fine threads and stackable jacks (StackJacks®) allow you to put top locators where you need them.

AMT high precision components with hard coat anodized finish or black oxide finish where required.

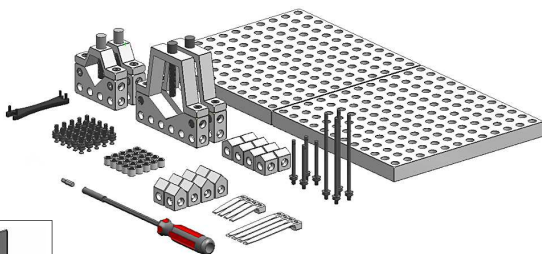
See Material Properties on page 4.

Part Number	Description	Qty.
AMT-15200	Stack Jack® 38-50x30mm M24	5
AMT-15201	Stack Jack® 63-75x30mm M24	5
AMT-15206	Cap, flat 10x30mm	5
AMT-15212	Riser 15x30mm	1
AMT-15213	Riser 20x30mm	1
AMT-15214	Riser 25x30mm	1
AMT-15215	Riser 30x30mm	1
AMT-15216	Riser 50x30mm	1
AMT-15217	Riser 75x30mm	1
AMT-10043	Storage drawer, adjustable	1

Free — You get 12 attaching discs in the thread of your choice.

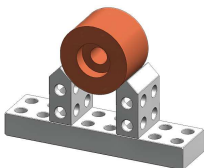


Kit #AMT-10101 & 10102

**AMT-10101****Vee Block Kit, 93 pcs., System 25**

Round part holding aplenty with this excellent AMT vee block and prism block kit.

- ⊕ Material 7075-T6 aluminum components.



Part Number	Description	Qty.
AMT-11550	Vee block 90° 25x50x100mm	2
AMT-11560	Vee block 120° 25x50x150mm	2
AMT-11510	Prism blk 90° 25x25x37.5mm	8
AMT-11511	Prism blk 120° 5x25x31.25mm	8
AMT-11049	Grid plate 300x300mm	2
AMT-17133	Lock for retention bolt 25mm	25
AMT-17112	Retention bolt, combi 12.5mm	25
AMT-16012	Clamp stud 60mm	4
AMT-16014	Clamp stud 130mm	4
AMT-16004	Finger clamp 60mm	4
AMT-16005	Finger clamp 105mm	4
AMT-10040	Storage drawer, adjustable	1

Note: All kits include needed tools.

AMT-10102**Vee Block Kit, 93 pcs. System 40**

AMT Fixturing Kits feature:

- ⊕ AMT high precision components with hard coat anodized finish or black oxide where required
- ⊕ See Material Properties on page 4.
- ⊕ 0.02mm (0.0008") accuracy of flat, square, parallel, hole size and hole location.

Part Number	Description	Qty.
AMT-11650	Vee block 90° 40x80x160mm	2
AMT-11660	Vee block 120° 40x80x240mm	2
AMT-11610	Prism block 90° 40x40x60mm	4
AMT-11611	Prism block 120° 40x40x60mm	4
AMT-11405	Grid plate 320x320mm	2
AMT-17233	Lock for retention bolt 40mm	12
AMT-17212	Retention bolt, combi M10	12
AMT-16018	Clamp stud 100mm M10	4
AMT-16019	Clamp stud 160mm M10	4
AMT-16004	Finger clamp 60mm	4
AMT-16005	Finger clamp 105mm	4
AMT-10040	Storage drawer, adjustable	1

Kit #AMT-10115



AMT-10115

Clamp Kit, 31 pieces, System 25 or 40

Need a clamp? Buy this kit and clamp practically anything you can get under them. Note our toggle comes with three different press feet.

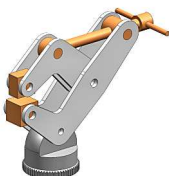
See Material Properties on page 4.

Free — You get 12 attaching discs in the thread of your choice.

Part Number	Description	Qty.
AMT-16004	Finger clamp 60mm	5
AMT-16005	Finger clamp 105mm	5
AMT-16014	Clamp stud 130mm	5
AMT-16015	Clamp stud 55x16mm	5
AMT-16040	Toggle disc w/feet and clamp	5
AMT-16043	KantTwist® clamp 3/4", w/top	1
AMT-16044	KantTwist® clamp 1", w/top	3
AMT-16045	KantTwist® clamp 2", w/top	2
AMT-10043	Storage drawer, adjustable	1



Be creative...think modular.



Fixturing Kits

Kit #AMT-10116

**AMT-10116****Locator & Clamping Kit, 109 pcs, System 25**

This expansion kit is ideal for flat and prismatic parts. Contains magnet and spring clamps, cones, flats, spheres, space saver elements, edge stops and vees! Great kit! Size 25 M6, or specify your thread size.

Contains locating and clamping elements for System 25 M6 Hollows, solid bars and grid plates.

AMT high precision components with hard coat anodized finish See Material Properties on page 4.

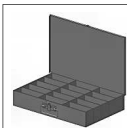
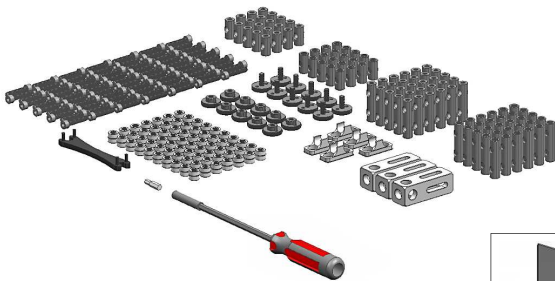
This kit is also available for:

- ⊕ System 40 / M10 (P/N AMT-10117)
- ⊕ 1/4-20 Plates (P/N AMT-10118)
- ⊕ 3/8-16 Plates (P/N AMT-10119)

Part Number	Description	Qty.
AMT-15200	StackJack© 38-50mm x 30mm	6
AMT-15077	Base M24	6
AMT-15076	Base 20x15mm M8	10
AMT-15065	Riser 25x15mm M8	10
AMT-15010	Ball locator 10x15mm M8	5
AMT-15248	Ball locator 25x30mm M24	5
AMT-15003	Flat locator 10x15mm M8	5
AMT-15206	Flat locator 10x30mm M24	5
AMT-15020	Cone locator 10x15mm M8	5
AMT-15235	Cone locator 35x30mm M24	5
AMT-15026	Vee locator 90° 10x15mm M8	2
AMT-15258	Vee locator 90° 35x30mm M8	2
AMT-15037	Edge locator 50% 10x15mm M8	3
AMT-15270	Edge locator 50% 35x30mm M24	3
AMT-15047	Indicator holder 3/8, 20x15mm	2
AMT-15057	Magnetic locator 10x15mm M8	5
AMT-15357	Magnetic locator 25x30mm M24	5
AMT-16012	Clamp stud 60mm	5
AMT-16004	Finger clamp 60mm	5
AMT-17173	Disc, non-centering M24xM6	15
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.

Kit #AMT-10121

**AMT-10121****Connection Element Kit, Screw Type,
272 pieces, System 25**

Use this kit to connect System 25 Hollows or Solid Bars using screw type connection elements. Off-grid blocks and connectors are also included.

Tweak up your kit and expand your off-grid options using this Size 25 connector element kit.

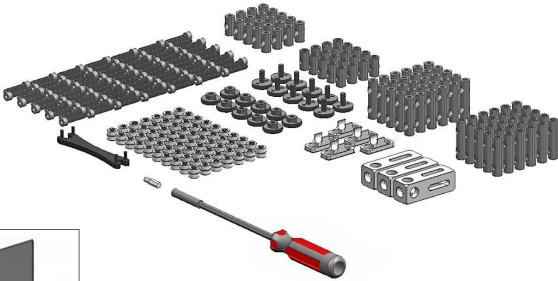
Hard coat anodize and black oxide where required. See Material Properties on page 4.

Part Number	Description	Qty.
AMT-17141	Chase, single 12x25mm M6	20
AMT-17120	Nut, single 12x25mm M6	20
AMT-17142	Chase, double 12x50mm M6	30
AMT-17121	Nut, double 12x50mm M6	30
AMT-17102	Dowel, shouldered, 12.5mm	70
AMT-17162	Screw 30mm M6 SHC	70
AMT-17173	Disc, non-centering, M24xM6	10
AMT-17171	Disc, centering M24xM6	10
AMT-11505	Off-grid block 25x25x75mm	3
AMT-17148	End cap 25x50mm	5
AMT-10060	Wrench	2
AMT-10053	Screwdriver	1
AMT-10052	Spanner tool for bolts and discs	1
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.

AMT Quality Components

Kit #AMT-10122



AMT-10122

Connection Element Kit, Screw Type,
272 pieces, System 40

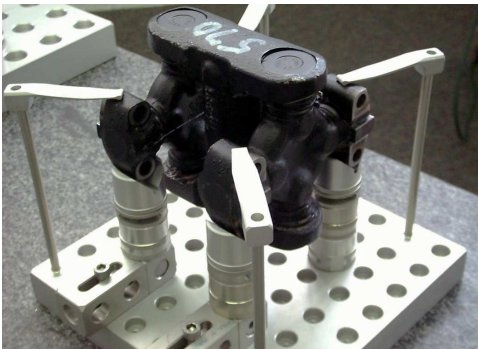
Use this kit to connect System 40 Hollows and Solid Bars using screw type connection elements. Off-grid blocks and all needed connectors are also included.

Tweak up your kit and expand your off-grid options using this Size 40 connector element kit.

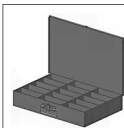
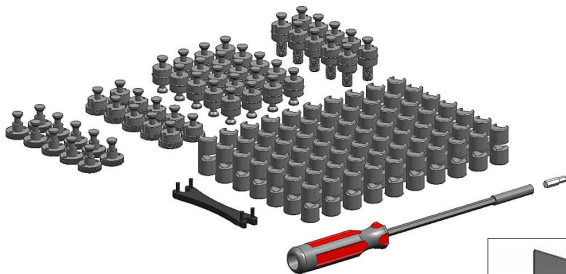
Hard coat anodize and black oxide where required
See Material Properties on page 4.

Part Number	Description	Qty.
AMT-17241	Chase, single 19x40mm M10	20
AMT-17220	Nut, single 19x40mm M10	20
AMT-17242	Chase, double 19x80mm M10	30
AMT-17221	Nut, double 19x80mm M10	30
AMT-17202	Dowel, shouldered, 20mm	70
AMT-17262	Screw 30mm M10 SHC	70
AMT-17273	Disc, non-centering, M24xM10	10
AMT-17271	Disc, centering M24xM10	10
AMT-11605	Off-grid block 40x40x120mm	3
AMT-17248	End cap 40x80mm	5
AMT-10060	Wrench	2
AMT-10053	Screwdriver	1
AMT-10052	Spanner tool for bolts and discs	1
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.



Kit #AMT-10125 & 10127

**AMT-10125****Retention Type Connection Element Kit,
120 pieces, System 25**

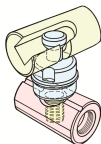
AMT Fixturing Kits 10125 and 10127 contain elements for connecting Plates, Hollows and Solid Bars. Also includes connectors for locating elements.

Add fastening capacity with this retention lock kit — 25 or 40, great price.

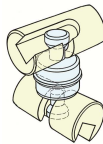
Part Number	Description	Qty.
AMT-17112	Retention bolt, combi M6	10
AMT-17113	Retention bolt, double 12.5mm	20
AMT-17133	Lock for retention bolt 25mm	70
AMT-17172	Disc retention bolt M24	10
AMT-17174	Disc retention bolt, off-grid M24	10
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.

Black oxide finish on retention connectors. See Material Properties on page 4.



Combi Connection



Quick Connection

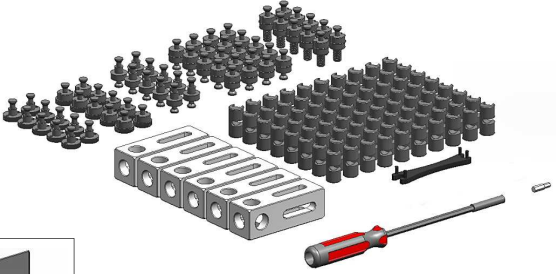
AMT-10127**Retention Type Connection Element Kit,
120 pieces, System 40**

- ⊕ Hard coat anodize and black oxide where required
- ⊕ See Material Properties on page 4.

Part Number	Description	Qty.
AMT-17212	Retention bolt, combi M10	10
AMT-17213	Retention bolt, double 20mm	20
AMT-17233	Lock for retention bolt 40mm	70
AMT-17272	Disc retention bolt M24	10
AMT-17274	Disc retention bolt, off-grid M24	10
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.

Kit #AMT-10126 & 10128



AMT-10126

Retention Type Connection Element Kit, Off-Grid, 140 pieces, System 25

AMT Fixturing Kits 10126 and 10128 contain elements for connecting Plates, Hollows and Solid Bars. Also includes off-grid blocks and connectors for locating elements.

These off-grid kits combined with AMT locating elements give you fast locating and locking opportunities.

Part Number	Description	Qty.
AMT-17112	Retention bolt, combi M6	10
AMT-17113	Retention bolt, double 12.5mm	20
AMT-17118	Retention bolt, off-grid 12.5mm	5
AMT-17133	Lock for retention bolt 25mm	80
AMT-17172	Disc retention bolt M24	10
AMT-17174	Disc retention bolt, off-grid M24	10
AMT-11505	Off-grid block 25x25x75mm	5
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.

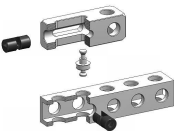
AMT-10128

Retention Type Connection Element Kit, Off-Grid, 140 pieces, System 40

- ⊕ AMT high precision components with hard coat anodized finish or black oxide where required
- ⊕ See Material Properties on page 4.

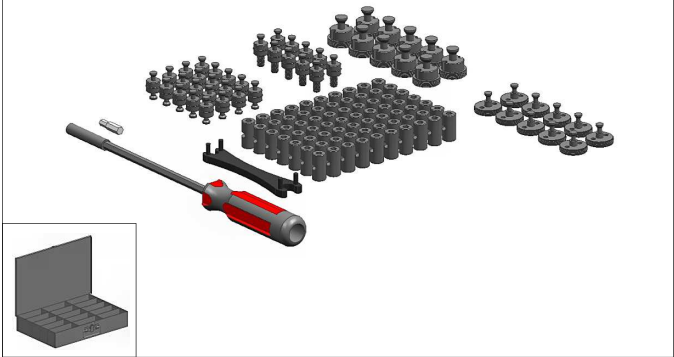
Part Number	Description	Qty.
AMT-17212	Retention bolt, combi M10	10
AMT-17213	Retention bolt, double 20mm	20
AMT-17218	Retention bolt, off-grid 20mm	5
AMT-17233	Lock for retention bolt 40mm	80
AMT-17272	Disc retention bolt M24	10
AMT-17274	Disc retention bolt, off-grid M24	10
AMT-11605	Off-grid block 40x40x120mm	5
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.



Notes:

Kit #AMT-10210



AMT-10210

Retention Connection Element Kit,
120 pcs, System 25

This retention type connection element kit contains elements for connecting System 25 Hollows and Solid Bars to each other, or to grid plates.

Retention lock connections are fast and positive. Expand your kit!

Part Number	Description	Qty.
AMT-17112	Combi retention bolt 12.5xM6	10
AMT-17113	Double retention bolt 12.5	20
AMT-17133	Lock for retention bolt	70
AMT-17172	Disc retention bolt M24x12.5	10
AMT-17174	Disc retention bolt, off-grid M24x6.7	10
AMT-10043	Storage drawer, adjustable	1

Note: All kits include needed tools.

Black oxide finish on retention connectors.

See Material Properties on page 4.

Fixturing Kits



AMT-17174
Disc retention bolt,
off-grid



AMT-17172
Disc retention bolt



AMT-17112
Combi retention bolt



AMT-17113
Double retention bolt



AMT-17133
Lock for retention
bolt

American Modular Tooling

SYMBOL FOR:	ASME Y14.5M 1994	ISO
STRAIGHTNESS		
FLATNESS		
CIRCULARITY		
CYLINDRICITY		
PROFILE OF A LINE		
PROFILE OF A SURFACE		
ALL AROUND		(projected)
ANGULARITY		
PERPENDICULARITY		
PARALLELISM		
POSITION		
CONCENTRICITY (concentricity and coaxiality in ISO)		
SYMMETRY		
CIRCULAR RUNOUT		
TOTAL RUNOUT		
AT MAXIMUM MATERIAL CONDITION		
AT LEAST MATERIAL CONDITION		
REGARDLESS OF FEATURE SIZE	NONE	NONE
PROJECTED TOLERANCE ZONE		
TANGENT PLANE		(projected)
FREE STATE		
DIAMETER		
BASIC DIMENSION (theoretically exact dimension in ISO)		
REFERENCE DIMENSION (auxiliary dimension in ISO)	(50)	(50)
DATUM FEATURE		
DIMENSION ORIGIN		
FEATURE CONTROL FRAME		
CONICAL TAPER		
SLOPE		
COUNTERBORE/SPOTFACE		(projected)
COUNTERSINK		(projected)
DEPTH/DEEP		(projected)
SQUARE		
DIMENSION NOT TO SCALE	15	15
NUMBER OF PLACES	8A	8A
ARC LENGTH		
RADIUS	R	R
SPHERICAL RADIUS	SR	SR
SPHERICAL DIAMETER	SØ	SØ
CONTROLLED RADIUS	CR	NONE
BETWEEN		NONE
STATISTICAL TOLERANCE		NONE
DATUM TARGET		
TARGET POINT		

* May be filled or not filled

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We are dedicated to presenting the finest quality products to industry while providing reliability and service. Our mission is to supply the technological advances that enable the manufacturing process to work faster, with higher precision, than past practices. We utilize methods that recognize global economic, ergonomic and ecological considerations.

Over the years our highly skilled personnel, consistency in service, quality and innovative ideas have proven to be our greatest assets.

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American Modular Tooling® products are sold through our highly valued distributor network, world-wide. We make all efforts to protect those relationships and are looking for additional qualified distribution networks in many areas of the world.

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 ⊕ Manufacturing ⊕ Logistics

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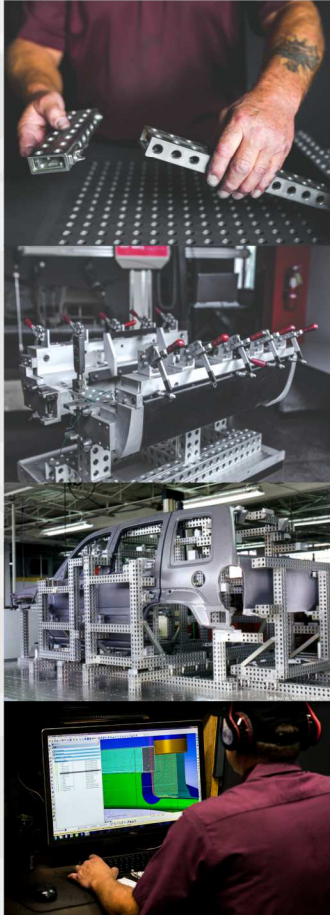
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American Modular Tooling

C2
GAUGE & FIXTURE
Precision Modular Measurement & Testing Tools



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EXPERIENCE**

**PROVEN
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