# **JIGS & FIXTURES (NON-NAAMS)**

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LOCATING PINS / BUSHINGS



LOCATING PINS / BUSHINGS



**#FPFN** Large Flat Head, Threaded, P Configurable



**#LPDE** Selectable Pilot Shape – Standard, p6 Shank



**#JPLR** Marker Pins Hexagon Socket



**#HPSF** Locating Pilot Pins – Standard



**#FPST** Small Head, Tapped, P Configurable



**#KFQS** Spherical Small Head – Standard, P/L/B Configurable



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**#JPRS** Small Head, Round Tapered, Standard



Large Flat Head, Threaded,

**#KFFA** 

**#LPCA** Selectable Pilot Shape – Straight Tapped



**#JPLB** Marker Pins



**#WPG** Double Pilot, Standard, Configurable



**#KFSA** Small Head, Standard, P/L/B & Pilot Configurable



**#JPCQ** Spherical Large Head – Setscrew Mounting Shank



**#KFPS** Small Head, Round Tapered, Standard, DP Tolerance, R Selectable



**#FPYN** Side Locating – Standard



**#LPAA** Selectable Pilot Shape – Threaded



**#FPCH** Bullet Nose, Miniature, Press Fit



**#CFPL** Locating Pins for Height Adjusting



**#JPCT** Setscrew Mounting Shank – Circumference Groove



**#FPDS** Small Flat Head, Standard, P Configurable



**#JPZS** Resin Locating Pins – Small Head, Tapered, P Configurable

Enter Web Code (ex. #AFPB)

**#JPRB** Large Head, Round Tapered, Standard



**#LPAL** Selectable Pilot Shape – Threaded, Pilot Length Configurable



**#JPPH** Large Head, Tapered, Plastic Tip



**#AFPM** Large Head Round, Nonmagnetic , Standard



**#FPQS** Spherical Small Head – Standard, P Configurable



**#FPD2** Small Flat Head, Tapped, P Configurable



**#PPFJ** Pusher Pins – Straight, Flat



**#KFPBA** Large Head, Round Tapered, D/P Tolerance Selectable



**#JPNG** Full Thread



**#JPZA** Resin Locating Pins – Large Head, Sphere, P Configurable, Standard



**#FPSA** Small Head, Round, Standard, P Standard



**#FPQ2** Spherical Small Head – Tapped, P Configurable



**#KFFS** Small Flat Head, Standard, P/L/B Configurable



**#PPFS** Pusher Pins – Small Head, Flat

**LOCATING PINS / BUSHINGS** 



Jig & Fixture (Non-NAAMS)



**#KFHA** Shoulder, P/L/B Configurable, Threaded, Pilot Configurable



**#LPZ** Bolt Fixing, Standard



**#FLPA** Flanged Locating Pins, Tapered, Standard



**#SNPB Resin Locating Pins - Small** Diameter, Sphere, Standard Tolerance



**#SFHH** Small Diameter Height Adjusting Pins



**#SFPN** Small Diameter with Shoulder, Threaded Shank

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**#FPJAT** Configurable Shoulder Thickness, Standard



**#JPMA** Bolt Fixing with Pilot



#KKB Height Adjusting Blocks -Standard



**#IPMA** 

**#SFKK** 

Straight

**#SFKS** 

Tolerance

**#FESG** 

Feed Pins - Tapped

Locating Pins for Grippers -

Small Diameter Locating Pins -

High Hardness, Stainless Steel,

Small Diameter, Flat, Standard

**#FPAJ** Resin Locating Pins - Bolt Fixing, Precision Class



**#DSDP** Spring Loaded Small Diameter Pin Units



**#FESM** Feed Pins - Standard



Shoulder, Standard, P Standard



**#FPJA** 

**#FPJATD** Configurable Shoulder Thickness & Diameter, Standard



**#LBNA** Large Bolt Fixing



**#FPUA** Shoulder, Tapped, P Standard



**#JPCJ** Shoulder, Setscrew Mounting Shank, Notch Shape



**#JPEA** Eccentric, Standard



**#CMPA** Plate Centering Pins



**#SFSK** Small Diameter Locating Pins -High Hardness, Stainless Steel, Small Head



**#SFNN** Small Diameter Locating Pins -Small Head



**#FEPS** Feed Pins - Threaded



**#FPTN** Shoulder, Threaded, P Configurable



**#LPMB** Selectable Pilot Shape, Configurable Shoulder Thickness, Threaded



#MASA Flanged Locating Pins, Flat



**#LPN** With Air Vent. Threaded



**#SFSZ** Small Diameter with Head, Flat, Standard Tolerance



**#SFPS** Small Diameter with Shoulder



**#FEPM** Feed Pins with Shoulder - Standard

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LOCATING PINS / BUSHINGS



**#FEPG** Feed Pins with Shoulder – Tapped



**#SRPA** Support Pins – Pilot Shape Selectable, Stepped Pilot



**#JPHF** Height Adjust Pins with Shoulder – F Standard



**#SPFA** Support Pins – Flat, Round, Flat, Threaded



**#JBA** Bushings for Locating Pins – Straight, Standard



**#JBHU** Bushings for Locating Pins – Flanged, Thin Wall



**#JBHY** Bushings for Locating Pins – Notched



Threaded

**#JPRA** Height Adjust Pins – Hex/B/F Standard

Height Adjust Pins with Shoulder -

Height Adjusting Pins Small Head

Bushings for Locating Pins – Straight, Thin Wall

Bushings for Locating Pins -

Flanged, Standard, Configurable

Bushings for Locating Pins Oval -

**#JPHA** 

F Standard

**#JPSR** 

Threaded

**#JBAU** 

**#JBHF** 

**#JBEH** 

**Compact Flange** 



**#SDPA** 

Support Pins - Round, Pilot

**#JPH2** Height Adjust Pins – Tapped, Round



**#JPTU** Height Adjust Pins

\*



**#JBAF** Bushings for Locating Pins – Straight, Standard, Configurable



**#JBHUF** Bushings for Locating Pins – Flanged, Thin Wall, Configurable



**#JBE** Bushings for Locating Pins – Oval, Shoulder

**#SHFJ** Support Pins – Pilot, Round, Straight, Standard



**#JPRM** Height Adjust Pins – Tapped, Hex



**#JPAM** Height Adjust Pins – Press Fit, L Configurable



**#JPTC** Height Adjusting Caps



**#JBAUF** Bushings for Locating Pins – Straight, Thin Wall, Configurable



**#JBAG** Bushings for Locating Pins – Straight, Retaining



**#JBAD** Bushings for Locating Pins – Copper Alloy, Straight

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**#LSPA** Support Pins – Tip Shape Selectable



**#SRTB** Hex, Medium Accuracy, Tapped



**#JPHU** Height Adjust Pins – Counterbored



**#LPHB** Compact Flange – Bolt Fixing



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**#JBH** Bushings for Locating Pins – Flanged, Standard



**#JBHG** Bushings for Locating Pins – Flanged



**#JBHD** Bushings for Locating Pins – Copper Alloy, Shoulder

FIND IT AND CONFIGURE ON THE WEB

**LOCATING PINS / BUSHINGS** 





**#JBC** Bushings for Locating Pins -Ceramic



**#JBN** Bushings for Locating Pins -Compact Flanged, P/L Standard



**#ELNN** Locating Pins for Jigs -Standard (h7), Threaded



**#LATA** Precision (g6), Shoulder, Setscrew



**#SLNN** Precision (g6), Threaded, Tip Shape Selectable, Plated



**#FLNT** Locating Pins for Jigs -Configurable, Circumference Groove



**#LANAR** Locating Pins for Jigs – Long Head, Shoulder, Threaded, Plated

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**#LCB Bushings for Locating Pins with** Oil Grooves - Hardened



**#ELAN** Standard Grade, Shoulder, Threaded



**#ELNT** Locating Pins for Jigs - Standard (h7), Circumference Groove



**#SLAN** Precision (g6), Shoulder, Threaded, Tip Shape Selectable, Plated



**#SLNT** Precision (g6), Setscrew Fixing, Tip Shape Selectable, Plated



**#ELAS** Standard Grade, Short Setscrew, Shouldered



**#LNNAR** Locating Pins for Jigs - Long Head, Threaded



**#JBT** Bushings for Locating Pins -Round Flanged, P/L Standard



**#ELAT** Standard (h7), Shoulder, **Circumference** Groove



**#SELN** Standard (h7), Threaded, Tip Shape Selectable, Plated



**#SLAT** Precision (g6), Shoulder, Setscrew, Tip Shape Selectable, Plated



**#FLAN** Locating Pins for Jigs -Configurable, Shoulder, Threaded



**#ELNS** Standard (h7) Setscrew, Circumference Groove



**#ELAB** Standard Class (h6), Shoulder, **Bolt Fixing** 



**#JBS** Bushings for Locating Pins -Square Flanged, P/L Standard



**#SELA** Standard (h7), Shoulder, Threaded, Tip Shape Selectable, Plated



**#SEL4** Standard (h7), Circumference Groove, Tip Shape Selectable, Plated



**#LNNAN** Locating Pins for Jigs -Precision (g6), Threaded



**#FLAT** Configurable, Shoulder, **Circumference Groove** 



**#ELAC** Locating Pins for Jigs - Standard (h7) Setscrew, Notch Shape



**#ELNB** Standard Class (h6), No Shoulder, **Bolt Fixing** 



**#JBOK Bushings for Locating Pins Compact** Flange – Economy



**#SELT** Standard (h7), Shoulder, Circumference Groove, Tip Shape Selectable, Plated



**#LANAN** Precision (g6), Shoulder, Threaded



**#LNTA** Locating Pins for Jigs -Precision (g6), Setscrew Fixing



**#FLNN** Locating Pins for Jigs - Configurable, Threaded



**#ELNC** Locating Pins for Jigs - Standard (h7) Setscrew, Notch Shape



**#RANA** Locating Pin for Jig Round Edge Shoulder Nut







### NEW PRODUCT BEST SELLER TYPICALLY IN STOCK

# Jigs & Fixtures (Non-NAAMS)

LOCATING PINS / BUSHINGS



**#RNNA** Locating Pin for Jig, Round Edge, No Shoulder Nut



Locating Pins for Jigs – Oval, Shoulder, Threaded

**Detection Pins for Weld Nuts** 

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FIND IT AND CONFIGURE ON THE WEB

**#NLAN** 

**#NUTK** 

**#HATA** Locating Pin for Jigs – Bullet Nose, Shoulder



**#NLNN** Locating Pins for Jigs – Oval, Threaded



**#PICP** Tapered Spring Loaded Locating Pins



**#HNTA** Bullet Nose, Selectable Shank, No Shoulder



**#ZLA** Insulating Locating Pins for Jigs & Fixtures – Threaded

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**#LANQ** Locating Pins for Jigs – Square Head, Shoulder, Threaded



**#HUPN** Height Adjusting Pins for Fixtures – Lock Nut



**#LNNQ** Locating Pins for Jigs – Square Head, No Shoulder, Threaded



**#HUPT** Height Adjusting Pins for Fixtures – Setscrew

### **Other Jigs and Fixtures**

POSTS / STRUT CLAMPS / STANDS

Jig & Fixture (Non-NAAMS)



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### NEW NEW PRODUCT BEST SELLER Typically in Stock

# **Other Jigs and Fixtures**

GUSSETS / ANGLE PLATES / WELDED STANDOFFS / METAL BOXES



**#STXS** Mounting Base for Metal Boxes





Jig & Fixture (Non-NAAMS)

WASHERS / COLLARS

	Steel				Stainless Steel				S	pecial Steels	Alu	minum	Brass
Metal Materials	1018	1045	1045 Hardened		304 316		420 Hardened 01		fool Steel Hardene	ed	2017	C3604	
Corrosion Resistance		Р			E		G			Р		G	E
Hardness* (Brinell HB / Rockwell HRC)	~125HB	~180HB	HB ~50HRC		~190HB		~50HRC			~55HRC		105HB	~202HB
Tensile Strength* (MPa)	~410 MPa	~596 MPa	~1600 MPa		~520 MPa		~178	~1780 MPa		~1900 MPa ~3		00 MPa	~750 MPa
Density (g/cm <sup>3</sup> )		7.8			7.8				7.8		2.7		8.8
*The provided values are for reference only.													
Resin Material	Polyacetal		MC Nylon			Bakelite			Flouro Resin	PEEK	Ероху	Polycarbonate	
			Standard		Conductive	Paper	Paper Base Cl		ase	FIGULO NESIII	FEEK	Glass	Porycarbonate
Color	White	Black	Blue Ivo	у	Black	Brov	wn	Light Br	own	White	Gray	Green	Transparent
Tensile Strength* (MPa)	61 MPa 96 MPa			68 MPa	113 M	MPa	97 MF	Pa	13.7~34.3 MPa	98 MPa	309 MPa	59 MPa	
Operating Temperature (°C)	-45~95	°C	-40	-120 °C	20 °C		-50~100 °C			-40~250 °C	-50~250 °C	-150~180 °C	~110 °C
Sliding Properties	G		G		G	А	A A			E	G	А	А
Heat Resistance	А		А		А	G		G		G	G	А	G
Insulation	G		G		G	G		G		G	G	E	E
Abrasion Resistance	А		G		А	Р		Р		G	G	Р	Р

A 🔵 Excellent 🔵 Good 🥚 Acceptable 🔵 Fair 🛑 Poor

Washers / Collars

**Dimensional Stability** 

Machinability



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Washers for Precision Linear Shafts



**#FWS** Metal Washers - Standard Class, Configurable



**#FTCB** Metal Washers - Standard Class, Flanged



**#KWSB** Metal Washers - Standard Class with Selectable Shape

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**#SWMB** Metal Washers - Standard Class. ID & OD Tolerance Selectable



#WZAB Metal Washers - Standard Class, Counterbored



#WLM Metal Washers - Standard Class, with Slotted Hole and Pilot



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**#PPWT** Metal Washers (Pkg.)



**#WASH** Hardened Metal Washers -Thickness Selectable



**#WTAB** Metal Washers - Standard Class, Tapped



**#TASC Thin-Walled Metal Collars** 



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**#WSSB** Metal Washers - Thickness Configurable, Precision Grade

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**#FWAS** Hardened Metal Washers -ID / OD & Thickness Configurable



**#WSRB** Metal Washers - Standard Class, Countersunk



**#SGP Pipe Collars** 



G

G

**#WASB** Metal Washers – Thickness Configurable, Precision Grade



**#AWSB** Metal Washers – Standard, Precision Class, Thickness **Tolerance Selectable** 



#WBAA Metal Washers - Standard Class with **Clearance Holes** 



#### **NEW NEW PRODUCT ★** BEST SELLER TYPICALLY IN STOCK

# **Jigs & Fixtures (Non-NAAMS)**

WASHERS / COLLARS / SHIMS



Enter Web Code (ex. #AFPB)

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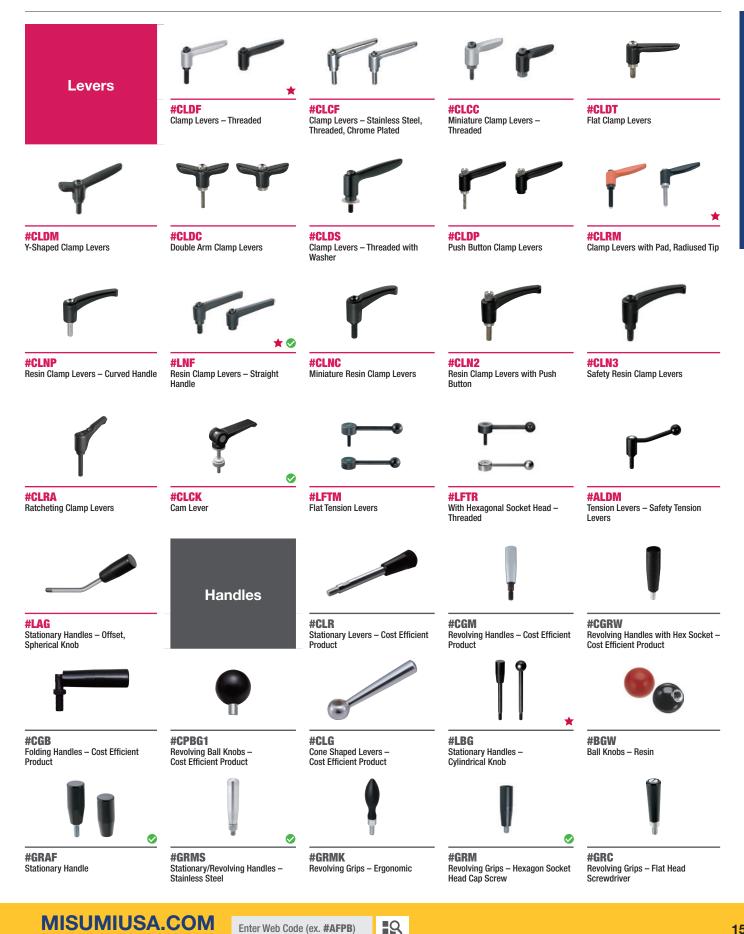
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#### **NEW NEW PRODUCT ★ BEST SELLER** TYPICALLY IN STOCK

## **Jigs & Fixtures (Non-NAAMS)**

**LEVERS / HANDLES** 



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HANDLES / CRANK HANDLES / HAND WHEELS / KNOBS / SCREWS



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Jig & Fixture (Non-NAAMS)

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## Jigs & Fixtures (Non-NAAMS)

KNOBS / SCREWS / LOCATING / GUIDE COMPONENTS



9

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LOCATING / GUIDE COMPONENTS / TOGGLE CLAMPS / WORKPIECE CLAMPS / **AUTOMOTIVE INSPECTION COMPONENTS** 

#### **NEW NEW PRODUCT** ★ BEST SELLER TYPICALLY IN STOCK



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**AUTOMOTIVE INSPECTION COMPONENTS** 



#KJP2 Slot Pins for Inspection Jigs -Stepped Diamond, Straight



**#KJP8** Slot Pins for Inspection Jigs -Straight Long





**#KJPM** Slot Pins for Inspection Jigs -Stepped and Threaded

Slot Pins for Inspection Jigs -

#KJ02

**#KJPC** 

Tapped Ends



#KJP1 Slot Pins for Inspection Jigs -**Oval Straight** 



**#KJPL** Slot Pins for Inspection Jigs -Stepped Long

**#KJP3** Slot Pins for Inspection Jigs -Square Straight



**#KJPG** Straight Threaded with Step -2 Steps

- 11

Slot Pins for Inspection Jigs -

Stepped Diamond, Taper,

#KJP6

Configurable

**#KJPN** Slot Pins for Inspection Jigs -Stepped and Threaded



**#KJP7** Slot Pins for Inspection Jigs -1 Stepped, Threaded End



#KJP9 Slot Pins for Inspection Components - Threaded, Tapered



Pins for Inspection Jigs - GO and NO-GO, Reversible



#KJBF Bushings for Inspection Jigs -Shouldered



**#KJBT** Bushings for Inspection Components - Stepped and



**#KJBR** Components - Square

1

**#KJP4** Slot Pins for Inspection Jigs -Tapered



**#KJPH** Marking Pins



**#KJPB** Slot Pins for Inspection Jig -Check Pin with Groove



**#KJBD Bushings for Inspection** Jigs – Stepped Bore and **Optional Shoulder** 



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#KJBK **Bushings for Inspection** Components - D-Shape



Slot Pins for Inspection

Components - Clamp , Straight

**#KJBA** Bushings for Inspection Jigs -Straight



**#KJBM Bushings for Inspection** Components - Stepped and Threaded for Straight Pins



#KJB5 **Bushings for Inspection** Components - D-Shape, Shouldered

**#KJP5** Slot Pins for Inspection Jigs -Stepped Diamond and Tapered



#KJPK Slot Pins for Inspection Jigs -Taper and Threaded Revolving Diamond-Shaped



**#KJBP** Bushings for Inspection Jigs -Straight



#KJB1 **Bushings for Inspection** Components – Stepped and Thread-ed for Straight Pins, Shouldered



2

**#KJBC Bushings for Inspection** Components - Oval

Enter Web Code (ex. #AFPB)





**#KJBS** Bushings for Inspection Jigs -Shouldered



#KJBW Bushings for Inspection Components - Stepped and Threaded for Taper Pins





#KJB4 Bushings for Inspection Components - Oval, Shouldered

**#KJPR** 





Threaded for Taper Pins



**Bushings for Inspection** 

**AUTOMOTIVE INSPECTION COMPONENTS** 



#KJT1

**#JHSP** 

Horizontal Travel

**#KJB6** Bushings for Inspection Components – Square, Shouldered



Inspection Jigs - Shim Plates,

Square and Round Shape

-

**#KJBN** Bushings for Inspection Jigs – Threaded Bore



**#KJTP** Inspection Jigs – Shim Plates, Square and Round Shape

Inspection Jigs - Hinge Units,

**#JHTS** 

Vertical Travel



#KJTM

#KJB2

Components

Locating Blocks for Inspection

Inspection Jigs - Shim Plates,

**#JIFL** Inspection Jigs – Angle Plate Units



**#KJRB** Round/Oval/Square Opening Shape for Resin Panels



**#JHR** Inspection Jigs – Hinge Units, Horizontal Travel



**#JIST** Support Stand for Angle Plate Unit



**#KJTC** Inspection Jigs – Shim Plates, Square and Round Shape



**#JSR** Inspection Jigs – Hinge Units, Horizontal Travel



**#JIP** Base Plate for Angle Plate Unit



Inspection Jigs - Hinge Units,

**#KJCS** Clamp Plates for Inspection Components



**#CRB** Inspection Jigs – Locating Ball





**#CRBP** Inspection Jigs – Locating Pad



Jigs - L Pins

#KJL

**#CRBC** Inspection Jigs – Locating Pad Bracket

**Components for Inspection** 



**#KJTS** Inspection Jigs – L and T Shape Pin



**#CLIP** Inspection Jigs – Pin Clips



**#KJLP** Inspection Jigs – Locating Kits



**#KJW** Inspection Jigs – Wires for Pins



**#KJWC** Inspection Jigs – Chains For Slot Pins

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