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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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FIND IT AND CONFIGURE ON THE WEB

#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

9

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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



×

#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

9

Enter Web Code (ex. #AFPB)



#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 ³)		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



Α

G

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



Α

#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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G

#WSSB Metal Washers - Thickness Configurable, Precision Grade

G

G



#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)

FIND IT AND CONFIGURE ON THE WEB



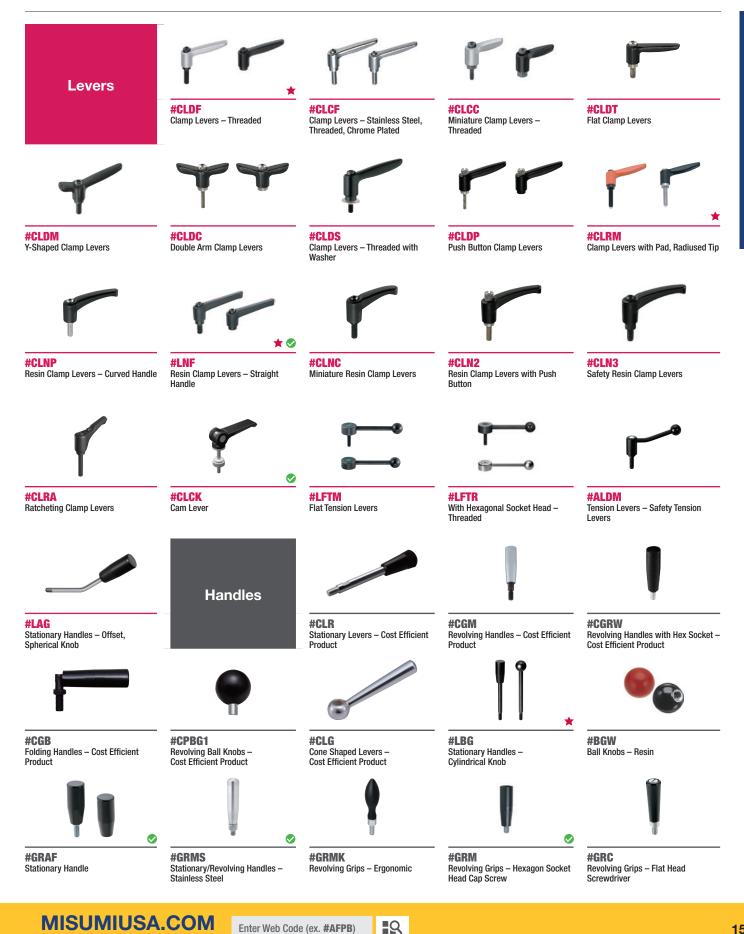
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NEW NEW PRODUCT ★ BEST SELLER TYPICALLY IN STOCK

Jigs & Fixtures (Non-NAAMS)

LEVERS / HANDLES



Enter Web Code (ex. #AFPB)

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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

Enter Web Code (ex. #AFPB)

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

NEW NEW PRODUCT ★ BEST SELLER TYPICALLY IN STOCK



FIND IT AND CONFIGURE ON THE WEB

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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