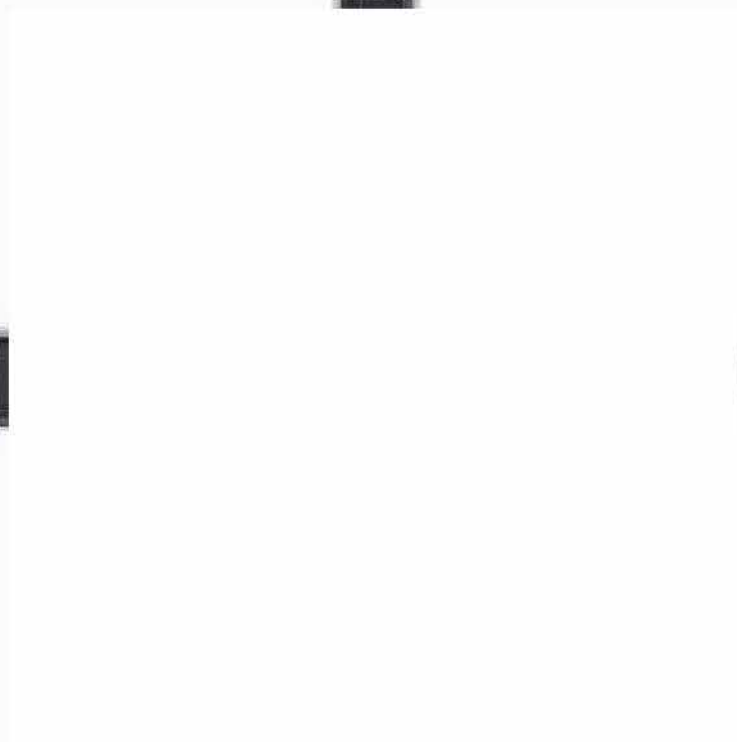
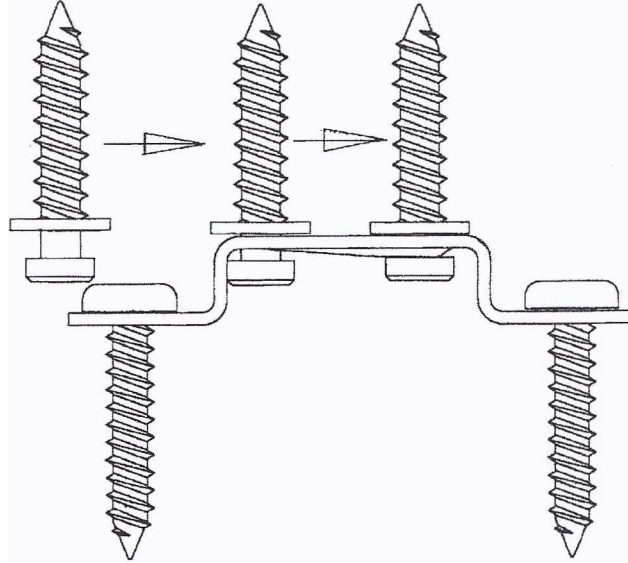


Sistema Modix



System was developed to accomplish three specific objectives:

1. To join panels securely together in such a manner that dimensional changes in the material or structure would not rupture or loosen the joints.
2. To achieve this objective with a fast and simple method of assembly, preferably without the need for tools.
3. To end up with a joint in which the fasteners are totally concealed.



System meets these objectives by utilizing a spring steel declining ramp “clip” and a large collared “shoulder screw” as the two mating members. Spring steel makes the joints strong, yet flexible, while the collar on the shoulder screw adds tremendous resistance to torsional pull-out. Assembly occurs by simply sliding the shoulder screw head down the clip’s ramp. With the clip located in its pocket, and the system assembled, all fasteners disappear!

DEFINITIONS

BLIP – The narrow point on a semi-locking clip's ramp.

CLIP – The spring steel “female” portion of the Mod-eez® fastener system.

CLIP JOINT – Modular Systems, Inc.

PASS-THRU CLIP – A clip with both ends of the ramp open, enabling a shoulder screw to enter, tighten, and then “pop” through the clip.

R.T.A. – Ready To Assemble. Furniture which is not yet assembled, but is ready to be.

LOCKING CLIP – A clip with a locking tab which flexes over the top of the shoulder screw head when assembled and snaps down behind the head when assembly is complete.

NON-LOCKING CLIP – A clip with no locking or semi-locking features. It uses only friction to hold the joint together.

SEMI-LOCKING CLIP – A clip with a blip in the raceway. Once assembled, disassembly requires passing the shoulder screw through the blip, flexing the ramp sides outward as the shoulder screw passes, requiring more force than a non-locking clip, thus, semi-locking.

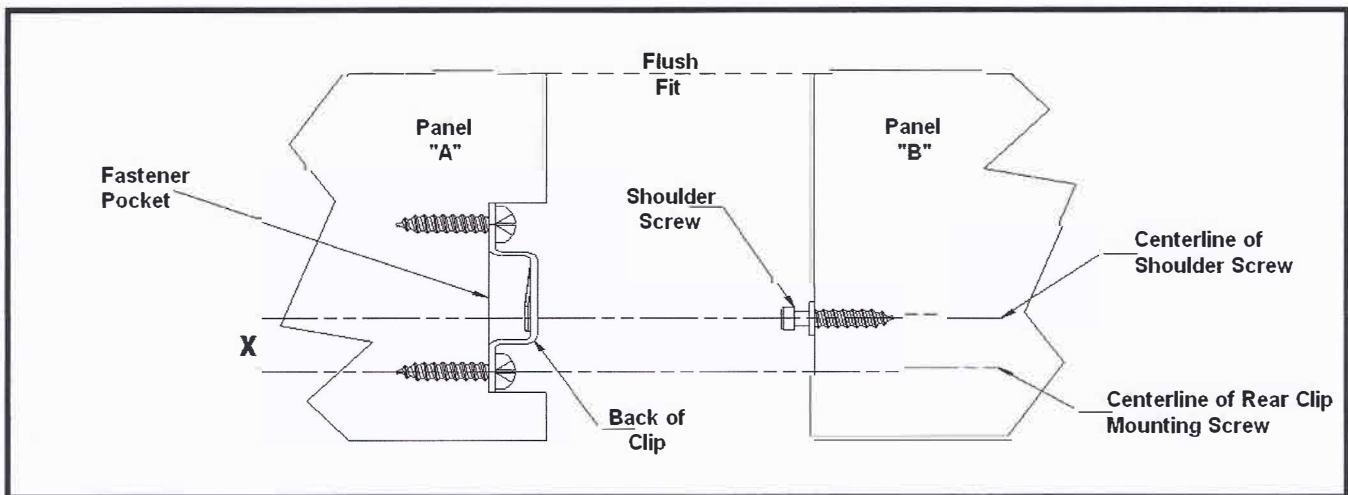
POCKET – The machined (routed) recess in which the clip is mounted and which ultimately hides the joint.

SEX BOLTS – “Female” shoulder screws (i.e. threaded internally to accept the threaded portion of a “male” shoulder screw).

SHOULDER SCREW – The “male” portion of the Mod-eez® fastener system.

SURFACE MOUNTING – Mounting the shoulder screw in the pocket and the clip on the adjoining surface.

WINDOW – An opening in the side of a pocket to provide an entry point for a shoulder screw or screwdriver.



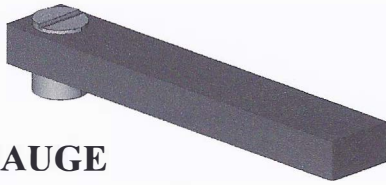
For flush fit of panel "A" to panel "B" with shoulder screw fully engaged in clip, locate shoulder screw from edge of "B" a distance equal to location of rear clip mounting screw from edge of "A" less dimension X (X varies with clip type, see specifications for your clip).

For instance, with 32mm system boring, drill shoulder screw holes .428" (11mm) closer to the edge than the rear clip mounting hole.

TO ENSURE CORRECT AND CONSTANT POCKET DEPTH

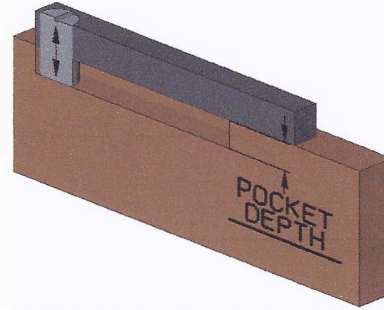
Depth Gauge: HI-LO feeler gauge for checking pocket depth.

Refer to the clip specifications in this catalog, for proper depth of fastener.



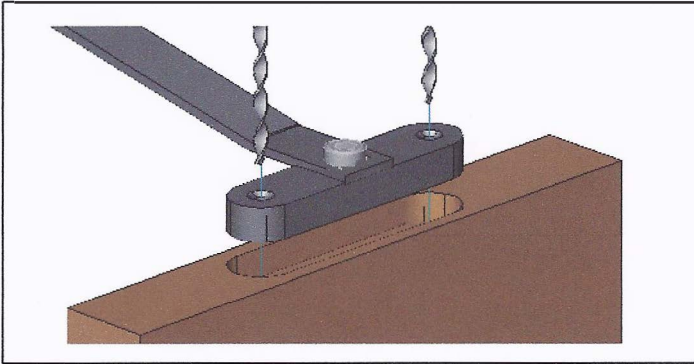
DEPTH GAUGE

NOTE: Separate gauges available for all fasteners. See price sheets.



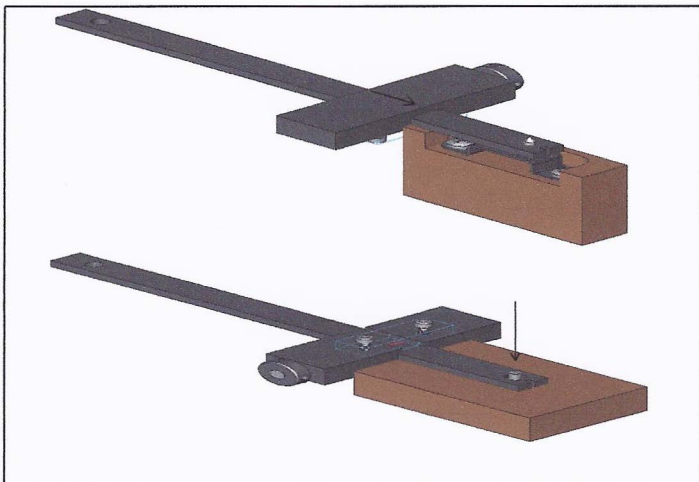
Hand Drill Fixture

For use when automatic boring equipment is not available. By positioning the Hand Drill Fixture at the back of the pocket, then drilling, you're assured that our clip will be consistently located at the back of the pocket.



Shoulder Screw Locating Gauge

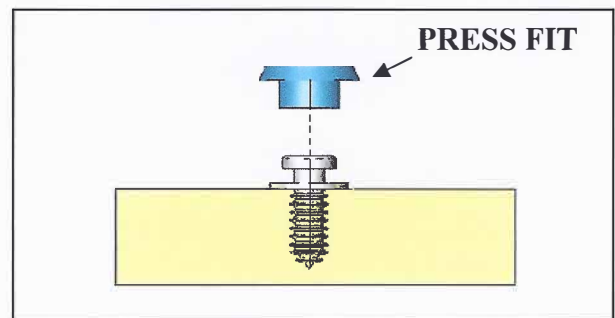
These take direct gauging from clip in one part and transfer shoulder screw location to mating part. Used for prototypes or for laying out drill bushing locations precisely on permanent drill jigs.



COMPONENTS

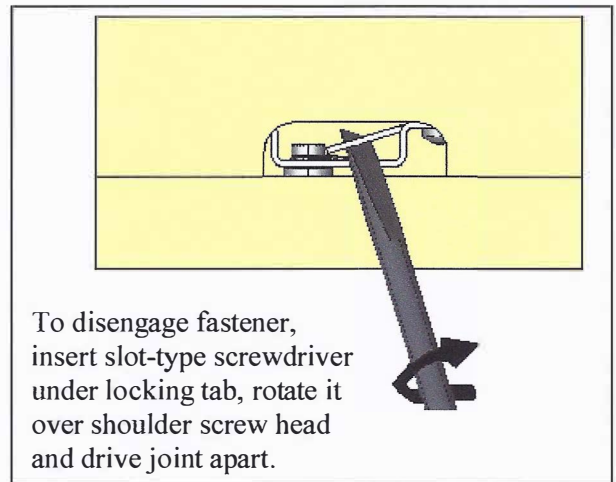
Protective Plastic Caps

These caps fit over shoulder screw heads and are available as protection to adjacent parts during transport, although a piece of corrugated cardboard between panels can also do the job.



Locking Clips

Locking Clips can ensure a joint that won't come apart, unless you want it to. If so, a "Window" must be cut in the side of the pocket to provide access to the clip.



CLIP STYLES

Non-Locking. Friction prevents the joint from disengaging.



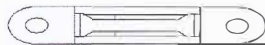
Semi-Locking. Friction and a narrowing runway prevent the joint from disengaging. Requires more force to disengage than non-locking clip.



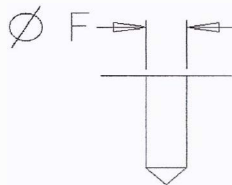
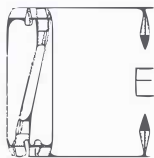
Locking. A locking tab prevents the joint from disengaging. Locking tab must be turned with a flat blade screwdriver for disengagement.



Pass-Thru. Used in grooved edge with another clip as an alternative to pockets with windows.



COMPRESSION DOWELS

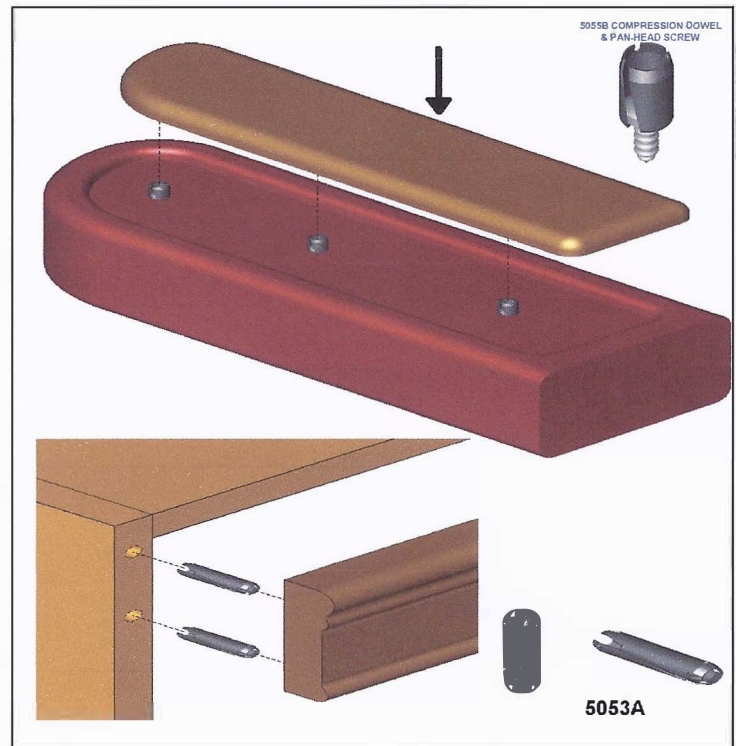


E: Overall Length

F: Recommended pre-drill

Compression Dowels

Compression Dowels are just right for fastening partition top caps, decorative mouldings, toe kicks or chair arms.



COMPRESSION DOWEL SIZES AVAILABLE

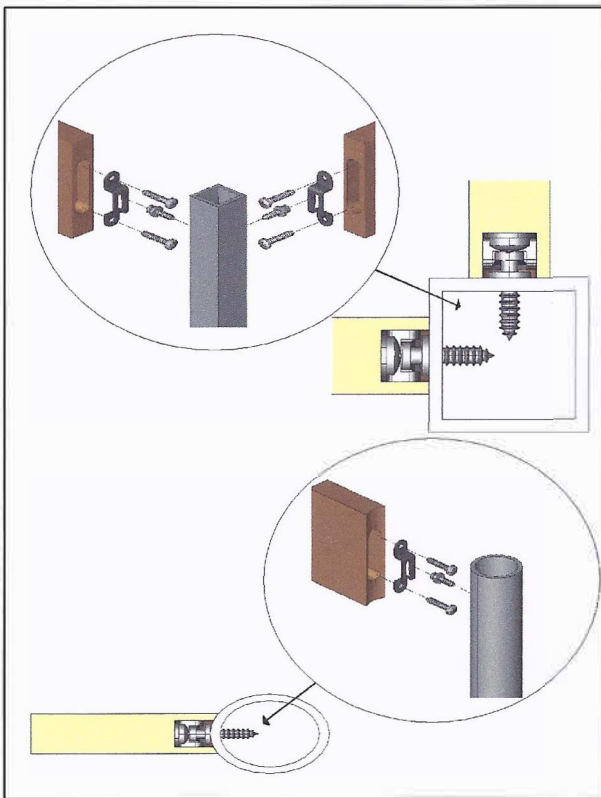
Model #5052A.....1/4" diameter hole
Model #5053A.....8mm diameter hole
Model #5055, 5055A, 5055B.....7/16" diameter hole

Thread Cutting Shoulder Screws These shoulder screws are just right for fastening panels to metal tubing. We recommend a 5/32" predrilled hole for 5043 screw and a 7/32" predrilled hole for the 6043. Thicker stock may require a slightly larger hole.

NOTE: Predrilling into any metal may leave a burr on the mounting surface. If so, the collar of the screw may hit the burr and not bottom out on the surface of the tubing. As with any shoulder screw that has not been driven deep enough, a loose joint will result. So punch holes or deburr!

Part #	Inches E	MM E	Inches F	MM F
5052-A	1 1/8	27.30	1/4	6.40
5053-A	1 3/8	34.90	5/16	8.00
5055	1 1/4	31.80	27/64	10.5/11.0
5055-A	1 1/8	28.60	27/64	10.5/11.0
5055-B	5/8	15.90	27/64	10.5/11.0

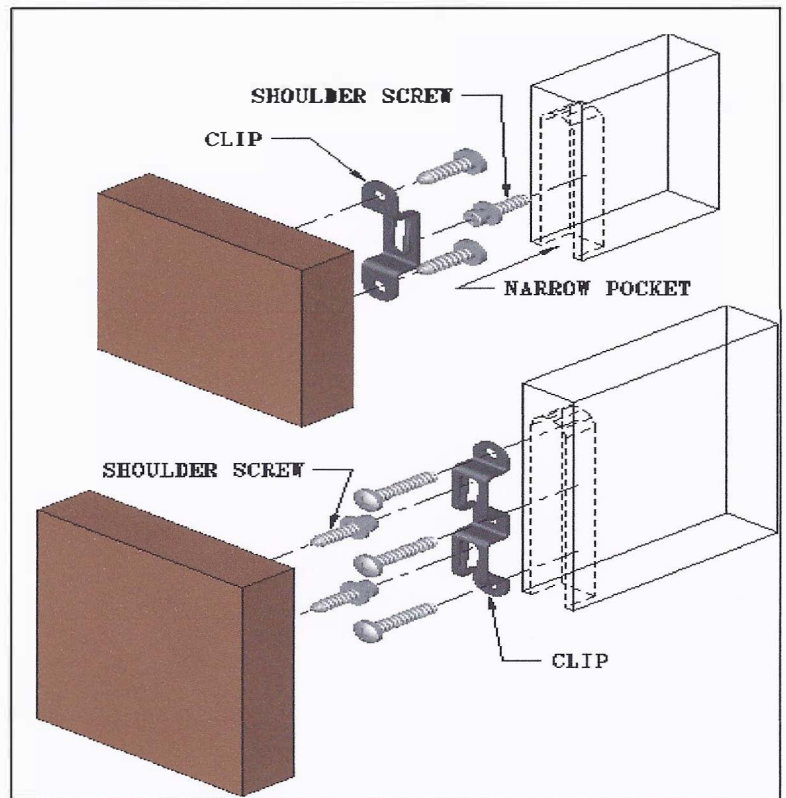
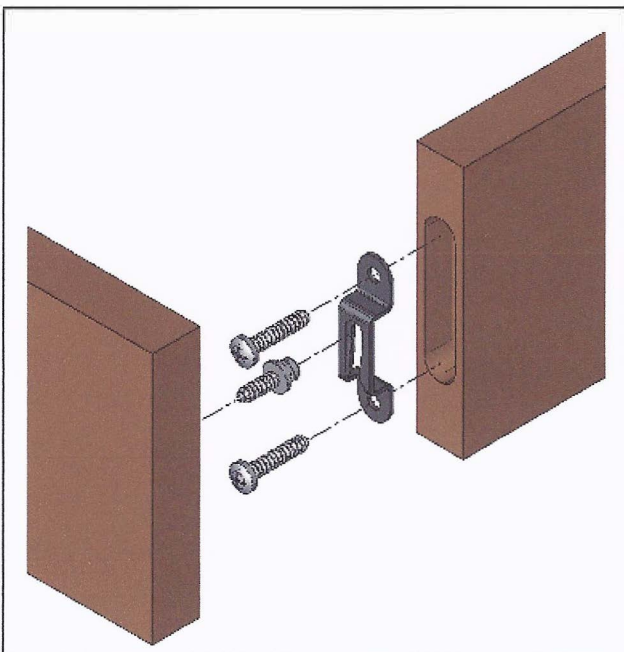
NOTE: We recommend that 1/3 of the dowel be inserted into the surface and 2/3 into the end grain of most wood products, except for the 5055A&B, which surface mount at one end.



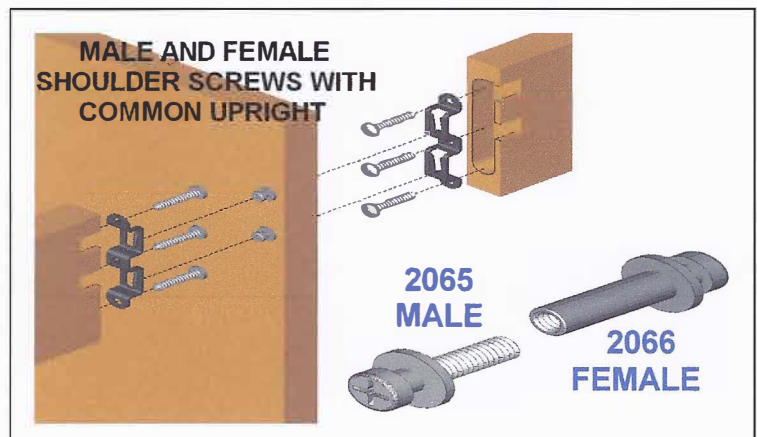
Welding clips to steel (i.e. approximately 16 ga.), can be accomplished by “wire welding”. Modular Systems has detailed specifications for the welding conditions required for this consumable spot process.

Fastener Mountings

Pockets to receive fasteners are normally routed into the edge of a panel, but can be routed into the face when design so requires.
















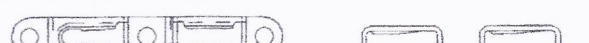









To prevent engaged members from rotating, locate the shoulder screw in the pocket and the clip on the surface. A narrow pocket for surface mount width must be cut (see specs page) and the open end of the rail must always face down.




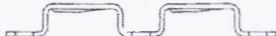






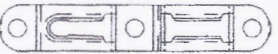


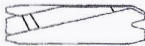



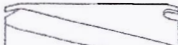

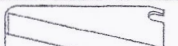


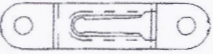

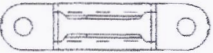
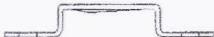
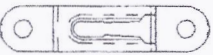

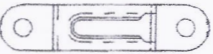

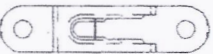



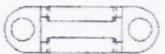

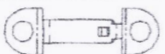
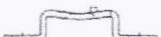
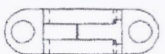

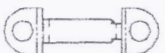

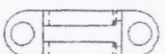

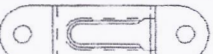



The illustration shows how male – female fasteners can be used to fasten three panels together.

For more applications utilizing the unique Mod-eez® Flexible Joint Structural Fastener System, see the back portion of this catalog.




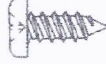









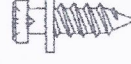







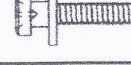









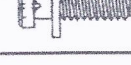


SPECIFICATIONS

SPECIFICATIONS				
DESCRIPTION			POCKET IN INCHES Minimum Length x width x depth	"X" in Inches See Page 3
Part No.	Verbal	Top Side		
1763	Non-Locking Light Duty		2.375 x .525 x .288	1.125
2071	Pass-Thru Male Anti-Rotation Clip For 1/2" And Larger Stock		open end pocket 1.674 x .390 x .550	0
2072	Pass-Thru Female Anti-Rotation Clip For 1/2" And Larger Stock		open end pocket 1.674 x .390 x .550	0
2075	Male Anti-Rotation Clip For 1/2" And Larger Stock		open end pocket 1.674 x .390 x .550	0
2076	Female Anti-Rotation Clip For 1/2" And Larger Stock		open end pocket 1.674 x .390 x .550	0
4031	32mm Mounting Hole Ctrs. Pass-Thru; For 5/8" Stock		1.674 x .430 x .438	.428
4032	32mm Mounting Hole Ctrs. Non-Locking; For 5/8" Stock		1.674 x .430 x .438	.428
4034	32mm Mounting Hole Ctrs. Locking; For 5/8" Stock		1.674 x .430 x .438	.428
4035	32mm Mounting Hole Ctrs. Semi-Locking; For 5/8" Stock		1.674 x .430 x .438	.428
4036	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Both Non-Locking		2.934 x .430 x .438	.428 1.688
4037	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Semi-Locking And Non-Locking		2.934 x .430 x .438	.428 1.688
4038	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Locking And Non-Locking		2.934 x .430 x .438	.428 1.688
4039	32 Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Non-Locking And Pass-Thru		2.934 x .430 x .438	.428 1.688
4039A	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Semi-Locking And Pass-Thru		2.934 x .430 x .438	.428 1.688
4060	Non-Locking		2.468 x .425 x .325	.625
4061	Non-Locking		2.468 x .485 x .325	.625
4062	Semi-Locking		2.468 x .425 x .325	.625
4063A	Semi-Locking		2.468 x .485 x .325	.625
4064	Severe Semi-Locking		2.468 x .485 x .325	.625
5030	32mm Mounting Hole Ctrs. Pass-Thru		1.674 x .525 x .438	.428
5031	32mm Mounting Hole Ctrs. Locking		1.674 x .525 x .438	.428
5032	32mm Mounting Hole Ctrs. Non-Locking		1.674 x .525 x .438	.428
5032A	32mm Mounting Hole Ctrs. Semi-Locking		1.674 x .525 x .438	.428


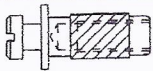

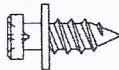

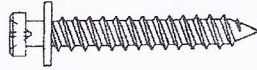

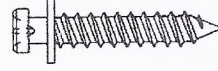



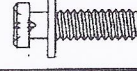

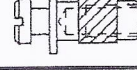

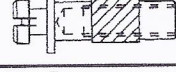

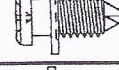

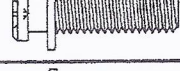

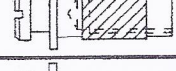






SPECIFICATIONS

SPECIFICATIONS					
DESCRIPTION				POCKET IN INCHES Minimum Length x width x depth	"X" in Inches See Page 3
Part No.	Verbal	Top	Side		
5033	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Both Non-Locking			2.934 x .525 x .438	.428 1.688
5034	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Locking And Non-Locking			2.934 x .525 x .438	.428 1.688
5035	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Semi-Locking And Non-Locking			2.934 x .525 x .438	.428 1.688
5039	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Non-Locking And Pass-Thru			2.934 x .525 x .438	.428 1.688
5039A	32mm Mounting Hole Ctrs. & 32mm Shoulder Screw Ctrs. Semi-Locking And Pass-Thru			2.934 x .525 x .438	.428 1.688
5052A	1/4" x 1" Long Compression Dowel Anti-Nesting			surface .250 x .350 end grain .250 x .650	N.A.
5053A	8mm x 1 3/8" Long Compression Dowel Anti-Nesting			surface 8mm x .400 end grain 8mm x .850	N.A.
5055	7/16" x 1 1/4" Long Compression Dowel			surface .421 x .400 end grain .421 x .850	N.A.
5055A	7/16" x 1 1/8" Long Compression Dowel; One End Screwed In			N.A. x .421 x 1.141	N.A.
5055B	7/16" x 5/8" Long Compression Dowel; Low Profile, One End Screwed In			N.A. x .421 x .625	N.A.
5060	Severe Semi-Locking			2.285 x .525 x .444	.625
5061	Pass-Thru			2.285 x .525 x .444	.625
5062	Semi-Locking			2.285 x .525 x .444	.625
5063	Non-Locking			2.285 x .525 x .444	.625
5064	Locking			2.285 x .525 x .444	.625
5071	Pass-Thru Male Anti-Rotation Clip For 3/4" And Larger Stock			open end pocket 1.674 x .525 x .475	0
5072	Pass-Thru Female Anti-Rotation Clip For 3/4" And Larger Stock			open end pocket 1.674 x .525 x .475	0
5073	Locking Male Anti-Rotation Clip For 3/4" And Larger Stock			open end pocket 1.674 x .525 x .475	0
5074	Locking Female Anti-Rotation Clip For 3/4" And Larger Stock			open end pocket 1.674 x .525 x .475	0
5075	Male Anti-Rotation Clip For 3/4" And Larger Stock			open end pocket 1.674 x .525 x .475	0
5076	Female Anti-Rotation Clip For 3/4" And Larger Stock			open end pocket 1.674 x .525 x .475	0
6063	Non-Locking Heavy Duty			2.285 x .650 x .453	.625
6064	Locking Heavy Duty			2.285 x .650 x .453	.625


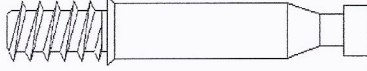


SPECIFICATIONS

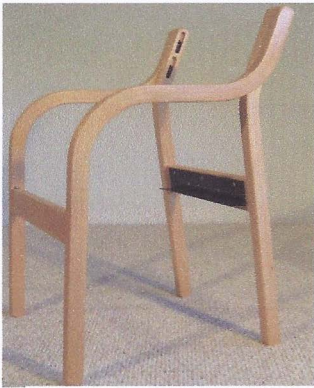
SPECIFICATIONS			
DESCRIPTION			THREAD
Part No.	Verbal	Top Side	Size: Type x length ± 1/32
506	Mounting Screw	 	#8 SMT x 1" with #6 oval trim head
511	Clip Mounting Screw	 	#10 SMT x 1/2"
512	Clip Mounting Screw	 	#10 SMT x 5/8"
513	Clip Mounting Screw	 	#10 SMT x 1"
757	Anti-Rotation Mounting Screw	 	#8 flathead with #10 x 5/8"
758	Anti-Rotation Mounting Screw	 	#8 flathead with #10 x 1 1/8"
1065	For 5/8" Thick Panels	 	#12 SMT x 1/2"
1165	For 3/4" Thick Panels	 	#12 SMT x 5/8"
2053	Blunt Tip Shoulder Screw For 5mm Predrill	 	5mm x 10mm (#14 SMT x .390")
2055	Blunt Tip Shoulder Screw For 5mm Predrill	 	#14 SMT x 1/2"
2065	Male Shoulder Bolt	 	M4 x 12.0mm (.480")
2066	Female Shoulder Bolt For 5mm Predrilled Hole 15.8mm (.620") Barrel	 	internal M4 x 12mm (.480")
2069	Male Shoulder Bolt	 	M4 x 15.0 mm (.580")
2155	Shoulder Screw For A 5mm Predrill	 	#14 SMT x 5/8"
5043	Thread Cutting Metal Screw	 	#10-32 MT x 3/8" thread cutting
5045	Metal Screw	 	#10-32 MT x 7/16"
5065	For A Nut Or Threaded Hole	 	#10-32 MT x 5/8"

SPECIFICATIONS

DESCRIPTION				THREAD
Part No.	Verbal	Top	Side	Size: Type x length ± 1/32
5066	Female Shoulder Screw For 1/4" Predrilled Hole 5/8" Long Barrel			internal #10-32 MT x 1/2"
5067	For 1/2" Thick Panels			#12 SMT x 7/16"
5068	For 1 3/8" Thick Panels			#12 SMT x 1 1/4"
5069	For 1 1/8" Thick Panels			#12 SMT x 1"
5070	For 1" Thick Panels			#12 SMT x 7/8"
5565	For A Nut Or Threaded Hole			#10-32 MT x 1/2"
5566	Female Shoulder Screw For 1/4" Predrilled Hole 1/2" Long Barrel			internal #10-32 MT x 3/8"
5666	Female Shoulder Screw For 1/4" Predrilled Hole 3/4" Long Barrel			internal #10-32 MT x 5/8"
6043	Thread Cutting Metal Screw			1/4"-28 MT x 7/16" thread cutting
6065	For A Nut Or Threaded Hole			1/4"- 28 MT x 3/4"
6066	Female Shoulder Screw For 19/64" Predrilled Hole 3/4" Long Barrel			internal 1/4"-28 MT x 5/8"
6068	For 1 3/8" Thick Panels			#14 SMT x 1 1/4"
6069	For 1" Thick Panels			#14 SMT x 7/8"
6165	For 3/4" Thick Panels			#14 SMT x 5/8"

QUICK DOWELS

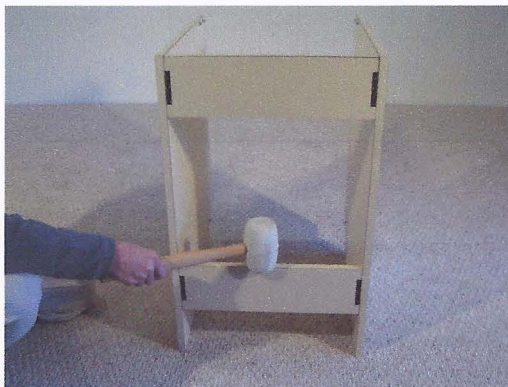
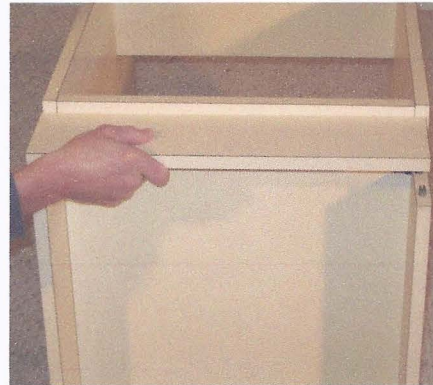
DESCRIPTION				POCKET IN MILLIMETERS Minimum Length x width x depth
Part No.	Verbal	Top	Side	
5056	Quick Dowel- Male Bolt			Surface 5mm x 12mm
5057	Quick Dowel- Female Dowel			End grain 8mm x 32mm



Yes! fasteners are strong enough for the construction of chairs. The spring steel construction of a system modix fastener allows for a flexible joint strong enough to withstand the “racking” that can take place in a typical chair. Also, that big carton full of air can be shrunk down considerably if you decide to ship your chair unassembled. System modix can provide you with a stronger chair, and save you money on shipping and storage.

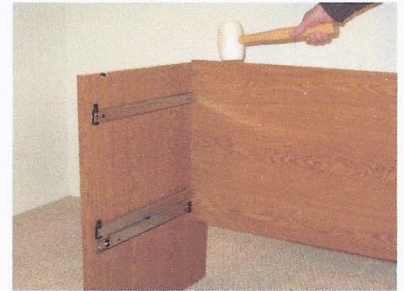
FRAMELESS KITCHEN CABINETS AND VANITIES

Frameless cabinets are an ideal application. Our “double or anti-rotational” clips give stretchers the maximum amount of strength in a minimum space. The completed cabinet looks clean, with no cams or screw heads visible. Panels can be stored flat until assembly – which takes just seconds with no glue or case clamping

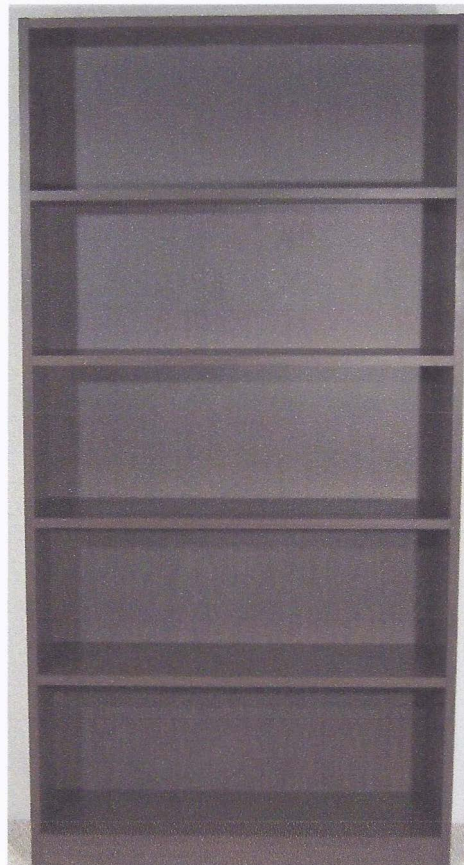
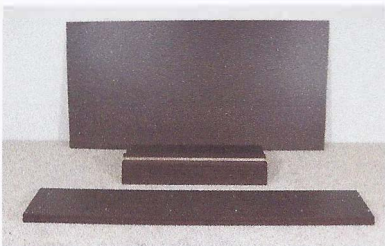


OFFICE AND RESIDENTIAL FURNITURE

Fasteners are used by the Office Furniture Industry for the production of RTA furniture. The hidden aspect of the gives the end product a high quality look. Panels can be shipped to the dealer for assembly, saving freight and reducing shipping damage.



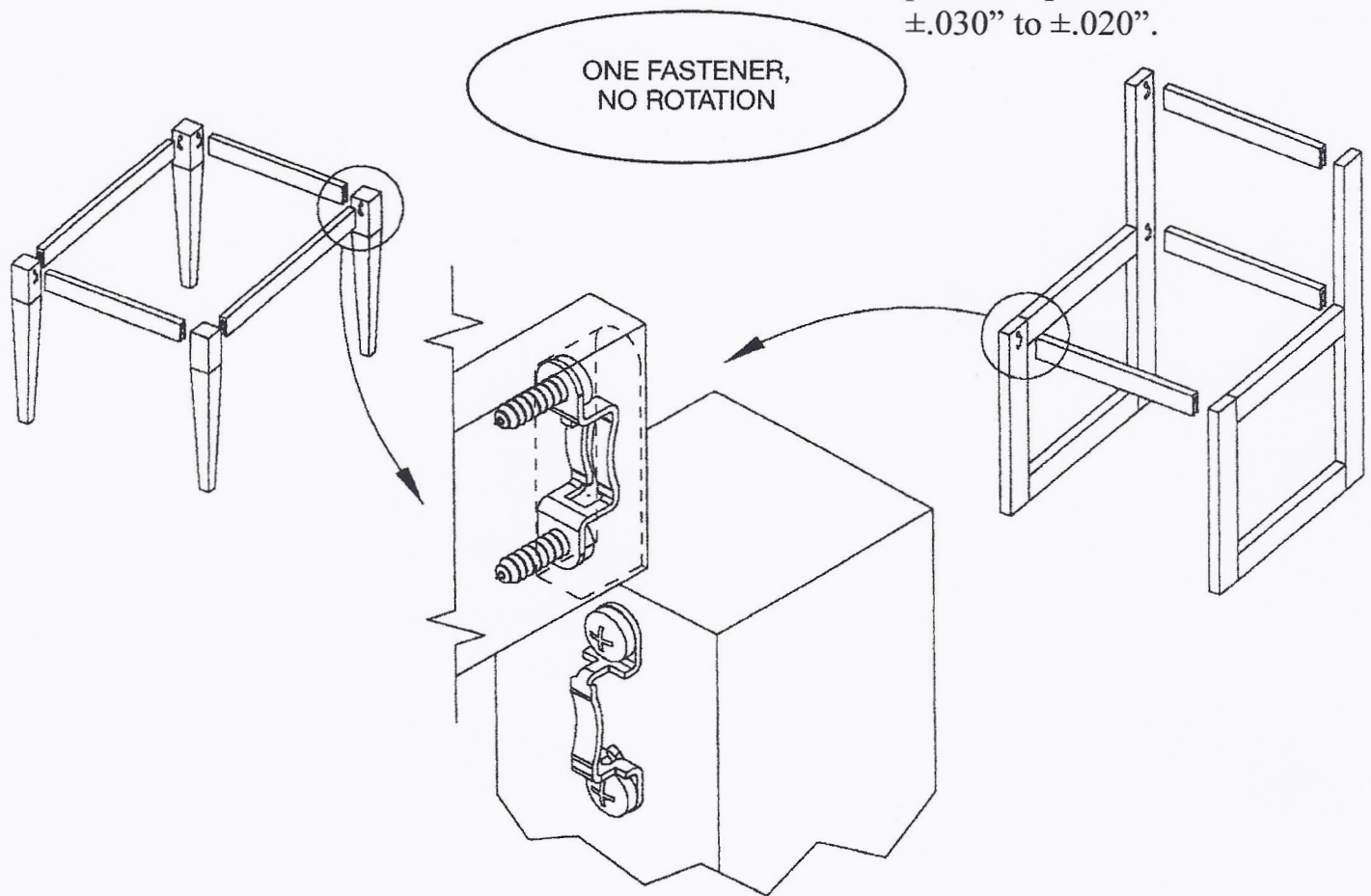
Large RTA furniture manufacturers have switched from using cams and exposed screws to the system to satisfy customer demand for a more “user friendly” RTA fastening system. Panels can be pushed together in a matter of seconds as opposed to inserting screws and turning cams. The end result is a stronger joint that is completely hidden!



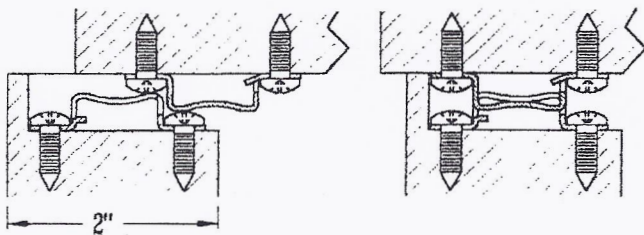
32mm ANTI-ROTATION CLIPS

Seating, tables, case goods,
store fixtures... wherever
there's a stretcher.

This clip to clip design provides
a tight joint over a wide range of
pocket depths – i.e. tolerance of
 $\pm.030''$ to $\pm.020''$.



OPEN POCKET



32mm Anti-Rotation Clips fit into rails as narrow
as 2" with an open pocket and 2 3/4" with closed
pockets.

CLOSED POCKET

