Diamond Aluminum Slip-On Fittings

With exclusive “Tapered-Diamond” design

Manufacturer of Aluminum Fittings & Pipe

“THE DIAMOND MAKES THE DIFFERENCE”
DIAMOND ALUMINUM SLIP-ON FITTINGS AND PIPE
EASY TO USE
NO THREADING, NO BENDING, NO WELDING
“AN IDEA, AN ALLEN WRENCH, A HACKSAW, AND ITS BUILT!”

www.diamond-aluminum.com
Structural Aluminum Slip Fittings—Strong, Easy, Economical

Labor Saving
Using no welding, no threading, no bending, and a minimum of cutting one unskilled person can completely build a structure in the same time it would ordinarily take several skilled craftsmen to do the job. Simply slip the Diamond Aluminum slip fitting on the pipe and tighten the set screw. That’s all there is to it! Saves time, labor and money on every job! Despite the amazing assembly speed, structures build with Diamond Aluminum fittings are super-strong, they can be left up permanently or temporarily. Structures can be built to fit any required space, are completely adjustable, and can be expanded in height, width, and length. The Diamond Aluminum unique fitting are completely adaptable for tube or pipe structures of any kind, they’re extremely durable, rust-proof, practically stress-corrosion proof, require no painting and no maintenance. Completely salvageable too, they can be used again and again on job after job. With Diamond Aluminum fittings your satisfaction is guaranteed!

Material Specifications
DIAMOND’S slip-on fittings are made of unusually high-strength light-weight aluminum alloy of aircraft quality, complete ASTM, SAE, Federal and Military specifications. This very same alloy is used in military aircraft because of its great resistance to explosive impact and corrosion. Under the most corrosive conditions this alloy has been practically stress-corrosion proof and cited as such by a number of prominent aluminum authorities. Only the latest and most efficient foundry casting methods are used in the manufacture of DIAMOND’S, fittings. Assuring you of the finest fittings at the lowest possible prices.

Exclusive “Tapered-Diamond” Design
The “tapered-diamond” for the set screw threads is not a design without purpose—the “diamond” tapers out to cover 30% of the barrel where extra strength is needed most, allowing set screws to be tightened to a point where even vibration loosening is virtually impossible!
Thousands of uses

Useful structures for work, home, or play
Utmost simplicity is one of the outstanding characteristics of Diamond Aluminum Slip-On Fittings. Practically anyone can build common, everyday, usable structures that look professionally built. Infinite variations—Railings of all types, Frames of all types, Display structures of all types, Shelters of all types, Enclosures of all types, Knock-down products of all types. DIAMOND ALUMINUM FITTINGS MAKE PROFESSIONAL JOBS WITH “DO IT YOURSELF” ECONOMY! A few Diamond Aluminum Slip-on Fittings, pipe or tubing and a hex key are all that is needed. Utmost simplicity!

Usage Examples

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#100 Economy Tee
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#101 Swivel Tee
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#102 Joining Tee
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#103 Adjustable Tee or Brace Fitting
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#105 Elbow
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#106 Adjustable Elbow
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube
#110 Cross
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16" Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#111 Adjustable Cross
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#115 Side Outlet Tee
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#115-P Side Outlet Elbow with Plug
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#116 Side Outlet Elbow Closed
PC 1 ¼” Pipe & 1 5/8” Tube

#120 Side Outlet Cross
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

To order call (513) 821-1080
or visit www.diamond-aluminum.com
#131 Parallel Swivel
TA 1” Tube  
PA ¾” Pipe & 1” Tube  
PB 1” Pipe & 1 5/16” Tube  
PC 1 ¼” Pipe & 1 5/8” Tube  
PD 1 ½” Pipe & 1 7/8” Tube

#135 Double Swivel
TA 1” Tube  
PA ¾” Pipe & 1” Tube  
PB 1” Pipe & 1 5/16” Tube  
PC 1 ¼” Pipe & 1 5/8” Tube  
PD 1 ½” Pipe & 1 7/8” Tube

#136 Railing Step & Landing Combination
TA 1” Tube  
PA ¾” Pipe & 1” Tube  
PB 1” Pipe & 1 5/16” Tube  
PC 1 ¼” Pipe & 1 5/8” Tube  
PD 1 ½” Pipe & 1 7/8” Tube

#140 Right Angle Swivel
TA 1” Tube  
PA ¾” Pipe & 1” Tube  
PB 1” Pipe & 1 5/16” Tube  
PC 1 ¼” Pipe & 1 5/8” Tube  
PD 1 ½” Pipe & 1 7/8” Tube
#141 Railing Downturn or Brace Fitting
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#150-R Round Base Flange
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#150-S Rectangular Base Flange
TA 1” Tube
PA ¾” Pipe & 1” Tube

#150-S Rectangular Base Flange
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#151-R Adjustable Wall Mounted Railing Fitting
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#151-S Adjustable Wall Mounted Railing Fitting
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube
#155 Adjustable Flange Base
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#156 Adjustable Flange
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#157 Lean-To Flange
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#158 Hinge Flange
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#160 Wall Flange
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#170 Coupling
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube
#200-X Crossover
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#200 Crossover
TA 1” Tube
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#201 Modified Crossover
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#250 Swivel Cross
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#300 Rack King
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

#500 Plug
PA ¾” Pipe & 1” Tube
PB 1” Pipe & 1 5/16” Tube
PC 1 ¼” Pipe & 1 5/8” Tube
PD 1 ½” Pipe & 1 7/8” Tube

To order call (513) 821-1080 or visit www.diamond-aluminum.com
The Diamond Aluminum Company Line of Slip-On Fittings

Diamond Aluminum Company slip-on fittings are specially designed and engineered to eliminate pipe bending, threading, and welding which are costly, time consuming and inconvenient. One unskilled worker or home owner will frequently do, in less time, work projects requiring several skilled tradesmen who use the other methods. That’s because these fittings take all the work out of building railings, enclosures, tables, stands, or any other type of pipe or tube structure.

Savings are realized because of the light weight and speed of connecting or joining. Weighing one-third or more less that iron fittings one person can easily carry a sackful. Their job is made easier still by the simplest process of all – slipping the fitting on the pipe and tightening the set screw. That’s all there is to it! The tapered design is not just another boss, rib, or blob for screw threads. The diamonds taper out to cover 30% of the barrels where the strength is need most. Therefore the screws can be tightened securely without weakening or cracking the barrel with internal pressure by screw tightening. Exceptional close fit of the barrels on pipe increase grip holding power for extra safety and performance. One half-turn with a hex key, after screw contact, clamps the pipe with more than a ton of holding power. Be Sure, Be Safe.

Have you ever struggled with the nuisance of pipe cutting and reaming out the burr? Well a lot of work has been eliminated with the Diamond Aluminum slip-on fittings. All but three of these labor saving fittings have open ended barrels and the pipe can be slipped completely through the fitting to the next and the next without cutting. Full lengths of pipe can be used to increase strength and rigidity and reduce assembly time.

The simplicity and easy assembly of Diamond Aluminum slip-on fittings make even the most complex structure ridiculously easy. Anyone, regardless of experience, can quickly become proficient and turn out professional jobs – and they don’t need expensive equipment to do so. Everyone from the industrial professional to the homeowner or hobby crafter can do-it-yourself and can save time and money. Remember Diamond Aluminum slip-on fittings are made for pipe and tubing and give you a choice not otherwise available. Use the pipe or tube you have on hand or order schedule 40 aluminum pipe from us as well. No project need to be delayed for the lack of pipe or tubing.

Diamond Aluminum slip-on fittings are strong and rustproof – never need painting or other treatment. They are made of an aluminum alloy that even under the most corrosive conditions has been practically stress-corrosion proof and cited as such by a number of prominent aluminum authorities.

Be Sure, Compare. Yes we invite you to compare because Diamond Aluminum slip-on fittings offer so much more for less. No limitations in structural application by trying to do it all with a couple of fittings. There is a fitting for practically every conceivable application. Versatility unlimited. Utmost simplicity. Stronger. Rust-proof. Dependable. No bending – no threading – no welding – and even less pipe cutting.

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Diamond Aluminum Slip-On Fittings in use

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Come visit us on the web at

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