



Top 10 Reasons why you should use Flex Craft

Fast Assembly

You can start building right off the pallet! A ½" wrench, an idea and a couple of minutes until your project is ready.

Fast Design

Even though most sketches will do the job, Flex Craft offers a FREE design program that is easy to use, just copy and paste.

Fast Shipping

The standard lead time on most orders is 2 days or less! Order by the project or establish a stocking inventory.

Friendly System

The Flex Craft bolt together system is so easy to construct, almost anyone can build their own custom solutions!

Friendly Components

With Flex Craft's standard precut sizes, you don't have to cut tubing.

Friendly Support

Whether you're a first time Flex Craft user or a seasoned veteran, our Sales Engineers are here to help.

Friendly Pricing

Using a different product or method? Ask us for a competitive quote and see why so many companies have made the switch.

Flexible Framing

Flexible in design only. Flex Craft's square tubing is made from 16 gauge steel that bolts together. Our product is built fast and made to last!

Flexible ROI

Flex Craft is 100% reusable. Simply take the old project apart and reconfigure to build your new solution.

Flexible Configurations

How many different projects can you create? The answer is endless.

Fast, Friendly, Flexible, Flex Craft

Bring your creative continuous improvement ideas to life and become World Class with Flex Craft.















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Who We Are

About Our Business

Flex Craft was invented in 2006 by Doug Sparks (a Lean Practitioner) for O.E.M. and Custom Manufactures. Sparks saw a need for material handling solutions that could be easily assembled by anyone, without the use of a saw or expensive welding equipment and be configured or modified in minutes.

About Our Products

Flex Craft products are standardized so anyone can quickly and easily build their own custom solution using a ½" wrench.

"Be The Change" slogan

"Be the change" is part of a Gandhi quote – "Be the change you expect in others".



Pictured above - Terri and Doug Sparks, Owners of Flex Craft



Pictured above – Flex Craft's Houston, MN Manufacturing Facility

Made in the USA







Direct Bolt Joint3 Point Registration Automatically Squares



Use to attach tubing at various angles
Part # 1400 (see order form for reference)



Flex Craft stock colors (pictured above) are ideal for 5S and color coding. Also available in custom colors, no paint, and aluminum

Tubing

Flex Craft Tubing is available in 16 gauge powder coated mild steel or clear coat anodized aluminum (Grade 6063).

The 1" square tube has 5/16" holes punched on all four sides. With holes starting approx. ½" from the end of the tube. The holes are spaced at 1" increments on all four sides throughout the length of the tube.

How to Order Tubing

By knowing the tube length and color/finish, ordering is easy. For example ordering a 16 gauge, 24" long tube, painted blue; the part number is 1624BL. See order form for reference.

The tubing is available in standardized precut lengths (6" increments) from 6" – 120". The standard sizes minimize the need for cutting and makes recycling projects into new ideas easy.

Universal Joints

Flex Craft's Patented Universal Joint is available in 14 gauge powder coated mild steel, with strategic 5/16" holes punched on all four tabs.

The tabs allow the joint to be attached in a variety of applications including an overlap feature which enables the end user to attach Flex Craft Tubing at various angles and still offers the ability to recycle old projects into new ideas.

Flex Craft Stock Colors

- Blue Green
- Orange
 Red
- White
 Yellow
- GrayBlack



Common Fasteners

Common Grade 2 Fasteners can be used with Flex Craft products in a variety of framing applications.

| Bolts | | | Nuts and Washers | | | | |
|--------|---------------------------------|-------------|-----------------------|---------|-----------------------|--------------|--|
| | Hex Cap Bolts | | | Nuts | | | |
| Descri | Description Part # Applications | | Description Part # | | Part # | Applications | |
| | 1 ½" | 516x18x1122 | U Joints and Framing | 00 | Hex Nut | 516x182 | Not recommended for mobile applications |
| | 1 3/4" | 516x18x1342 | Plate Casters | 8 | Hex Nylon Lock Nut | 516x182N | Recommended for mobile applications |
| | 2" | 516x18x22 | Skate Wheels / Panels | (C) | Acorn Nut | Acorn Nut | Cover threads |
| | 2 1/4" | 516x18x2142 | Acorn Nuts / Panels | 13/ | Wing Nut | Wing Nut | Quickly change or hand tighten fasteners |
| | 2 ½" | 516x18x2122 | 2 Tube Frame | Washers | | s | |
| | 2 3/4" | 516x18x2342 | Panels / Plate Caster | 0 | Flat Washer | 516FW | Plate Casters |
| | 3" | 516x18x32 | Panel / Double Tube | 0 | Nylon Washer | 516NW | Pivoting applications |
| | 3 ½" | 516x18x3122 | 3 Tube frame | Q | Star Washer | 516SW | ESD applications |
| | 3 3/4" | 516x18x3342 | Panels / Plate Caster | | Split Lock Washer | 516SPLW | Lock Washer |
| | 4 ½" | 516x18x4122 | 4 Tube Frame | | | | |
| | 5 ½" | 516x18x5122 | 5 Tube Frame | | | | |

Specialized fasteners such as Grade 5, Grade 8, Zinc Plated and / or Stainless Steel fasteners are available as a special order request.



| Screws | | | | | |
|---------------------------------|-------|------------------|-----------------------|--|--|
| | Soci | ket Head Cap | Screw | | |
| Description Part # Applications | | | | | |
| • | 3/4" | 516x34SHCS | Flush – see Technical | | |
| | 1 ½" | 516x112SHC S | Flush – see Technical | | |
| | 2 ½" | 516x212SHC S | Flush – see Technical | | |
| | Alle | en Flat Head S | Screw | | |
| Descri | ption | Part # | Applications | | |
| | 2" | 516x2FHS | Countersink | | |
| | 2 ½" | 516x212FHS | Countersink | | |
| # | 3" | 516x3FHS | Countersink | | |
| | 3 ½" | 516x312FHS | Countersink | | |
| Round Head Screw | | | | | |
| Samuel Control | 1 ½" | 516x18x1122 R | Smooth Round Head | | |
| A) | 2 ½" | 516x18x2122 R | Smooth Round Head | | |



516x18x3122 R

Smooth Round Head

3 ½"

| Pins | | | | |
|------|------------------|-----------|--------------------|--|
| Pins | | | | |
| Desc | ription | Part # | Applications | |
| | 1 ½"Clevis Pin | 516x112CP | Pivoting | |
| 0 | 2 1/4"Clevis Pin | 516x214CP | Pivoting | |
| | Hitch Pin | 38HP | Secures Clevis Pin | |

| T-Handle Ball Release Pin | | | | |
|---------------------------|-----------------------------------|---------------|--|--|
| Descrip | otion | Part # | | |
| G | 1 ½" T-Handle Ball Release Pin | T HandleBR112 | | |
| | 2 ½" T-Handle Ball Release Pin | T HandleBR212 | | |





Stem Casters and Inserts

Flex Craft Carries a full line of casters for mobile applications. Casters simply fasten to or into the tube. Casters are available in various materials, heights, widths, and weight load capacities.



| Stem Casters | | | | |
|------------------------|-------------|----------|--|--|
| Description | Load Rating | Part # | | |
| 3" Stem Caster W/Brake | 120 lbs. | 3PSC120B | | |
| 3" Stem Caster | 120 lbs. | 3PSC120 | | |

Stem Casters are inserted into the end of the tube (with insert) or through the tubes hole.





| Inserts | | | | |
|---|---------|--|--|--|
| Description | Part # | | | |
| Threaded Metal Insert | INSERT | | | |
| Threaded Plastic Insert | PINSERT | | | |
| Inserts are pushed into tube ends. Best used with Stem Casters and Nylon Glide Stems. | | | | |



| Wrench | | | | |
|-------------------------|--------|--|--|--|
| Description | Part # | | | |
| 1/2" Expandable Wrench | FCEW | | | |
| Flex Craft Combo Wrench | FCCW | | | |







Non Marking Rubber and Polyolefin



Plate Casters bolt directly to two tubes set 3" apart. Expandable Stem Casters are inserted into the end of the tube. By tightening the hex nut, the rubber grommet expands and holds the caster in place.

| Non Marking Rubber Donut Casters | | | | |
|----------------------------------|-------------|------------|--|--|
| Description | Load Rating | Part # | | |
| 3" Expandable Caster | 300 lbs. | 3GDEC300 | | |
| 3" Expandable Caster w/brake | 300 lbs. | 3GDEC300SB | | |
| 5" Rigid Plate Caster | 500 lbs. | 5GDR500 | | |
| 5" Swivel Plate Caster | 500 lbs. | 5GDS500 | | |
| 5" Swivel Plate Caster W/Brake | 500 lbs. | 5GDSC500SB | | |
| 6" Rigid Plate Caster | 600 lbs. | 6GDR600 | | |
| 6" Swivel Plate Caster | 600 lbs. | 6GDS600 | | |
| 6" Swivel Plate Caster W/Brake | 600 lbs. | 3GDEC300SB | | |



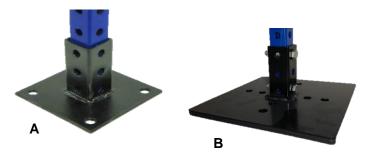


| Polyolefin Casters | | | | | |
|-----------------------------------|-------------|----------|--|--|--|
| Description | Load Rating | Part # | | | |
| 3" Expandable Caster W/Brake | 250 lbs. | 3PEC250B | | | |
| 3" Expandable Caster | 250 lbs. | 3PEC250 | | | |
| 3" Swivel Plate Caster W/Brake | 500 lbs. | 3SPC500B | | | |
| 3" Swivel Plate Caster | 500 lbs. | 3SPC500 | | | |
| 5" Swivel Plate Caster W/Brake | 650 lbs. | 5SPC650B | | | |
| 5" Swivel Plate Caster | 650 lbs. | 5SPC650 | | | |
| 5" Rigid Plate Caster | 650 lbs. | 5RPC650 | | | |
| 6" Swivel Plate Caster W/Brake | 750 lbs. | 6SPC750B | | | |
| 6" Swivel Plate Caster | 750 lbs. | 6SPC750 | | | |
| 6" Rigid Plate Caster | 750 lbs. | 6RPC750 | | | |



Floor Locks & Footers





| Footer | | | | |
|--------|---------------------------------|----------|--|--|
| Letter | Description | Part # | | |
| Α | Footer Plate 4"x4" | Footer | | |
| В | Large Footer Plate 7.5"x7.5" | LGFooter | | |

Footers can be used with Plate Casters, telescoping applications, and floor mounting. Available in black only.



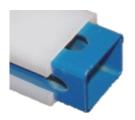
| Nylon Glide Stems | | | | |
|--|--|--|--|--|
| Description Load Rating Part # | | | | |
| Nylon Glide Stem 250lbs. NGS | | | | |
| Nylon Glide Stems can be inserted into the end of the tube (with Insert) or through the tube hole. | | | | |

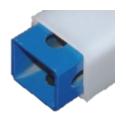


| Floor Locks | | |
|--|-------------|--------|
| Description | Load Rating | Part # |
| 5" Floor Lock | 650 lbs. | 5FL |
| 6" Floor Lock | 750 lbs. | 6FL |
| Floor Locks bolt directly to two tubes set 3" apart. | | |



Snap On & Slippery Tape







| | Snap On | | |
|---|--|--------|--|
| | Description | Part # | |
| l | JHMW Snap On Plastic Rail 60" in length | SNAP | |

Snap On uses surface tension to allow products to slide into position. Cuts easily and can be mounted by snapping over Tubing. Great for protecting painted parts.

| Slippery Tape | | |
|----------------------------------|---------|--|
| Description | Part # | |
| 1" Wide Teflon Tape 18 yard roll | SSTAPE1 | |

Slippery Tape use surface tension to allow products to slide into position. Cuts easily with a scissors and can be directly applied to Tubing. Great for conveying boxes and totes.







Slider









| Slider | | |
|---|---------|--|
| Description | Part # | |
| 24"W x 72"L sheet. Slide direction is length | Slide | |
| 24"W Custom sizes and colors available upon request | | |
| Double Sided Tape | DB TAPE | |

Sliders use surface tension and gravity to allow product to slide into position. Cuts easily with a utility knife and can be mounted with double side tape or drilled and bolted to tube. The Slider grooves allow excellent product tracking into place without dividers.



Micro Wheel & Spring Loaded Roller



| Spring Loaded Conveyor | | |
|------------------------|--------|--|
| Description | Part # | |
| 6" Wide Spring | 6SLC | |
| 12" Wide Spring | 12SLC | |

Spring loaded tube conveyor that has a 5/16" spring loaded shaft that plugs into the hole. Best used as a Point of Use Conveyor. Plug and play as needed.



| Bolt Thru Conveyor | | |
|---|--------|--|
| Description | Part # | |
| 1.9"x6" Long bolt thru conveyer 6BTC | | |
| Bolts directly to Flex Craft tubing to create a robust point of use conveyor. | | |



| Micro Wheel Conveyor | | |
|----------------------|--------|--|
| Description | Part # | |
| Micro Wheel Conveyor | MWC | |
| Flush Mount Adapter | MWCF | |
| Stop Mount Adapter | MWCWS | |

Micro Wheel Conveyors use gravity to allow product to roll into position. Conveyors are available in 10" lengths and can be cut to length.

Flush and Stop Mount Mounting Adapters easily capture / conceal the ends of the conveyor and allow for mounting to the tube.



Ball Transfers & Skate Wheels











| Skate Wheels | | |
|---|-------------|---------|
| Description | Load Rating | Part # |
| Skate Wheel | 60 lbs. | SKATE60 |
| Skate Wheels are bolted directly to tubing. Suggested using a 2 1/4" long bolt with nylon lock nut to attach. | | |



Brackets & Hooks



L Bracket

Use this L Bracket as:

- Lane divider
- · Shelf extension
- Bin holder
- Louver strip
- Stop Rail

| Louver Strip | | |
|---------------------|--------|--|
| Description | Part # | |
| 12" Metal L Bracket | LB12 | |

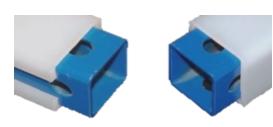
Heavy Hook Series

There are many applications for the heavy hooks.



| Hooks | | |
|-------------------------------|--------|--|
| Description | Part # | |
| Bolted Peg Hook 6" | BPH6 | |
| Bolted Peg Hook 9" | BPH9 | |
| Bolted Peg Hook 12" | BPH12 | |
| Bolted Horizontal Hook 3" Gap | ВН3 | |
| Bolted Vertical Hook 3" Gap | BV3 | |





| Snap On | | |
|---|--------|--|
| Description | Part # | |
| UHMW Snap On Plastic Rail 60" in length | SNAP | |

Snap On uses surface tension to allow products to slide into position. Cuts easily and can be mounted by snapping over Tubing.

Great for protecting painted parts.



| Velcro Strips | | |
|---|--------|--|
| Description 1"x 75' | Part # | |
| Black Industrial Strength Hook and Loop Velcro | BHLV | |
| Black Industrial Strength Hook | BHV | |
| Black Industrial Strength Loop | BLV | |
| White Industrial Strength Hook and Loop Velcro | WHLV | |
| White Industrial Strength Hook | WHV | |
| White Industrial Strength Loop | WLV | |



| Tube Wrap | | |
|----------------|--------|------|
| Description | Part # | |
| Color | 2" | 4" |
| Black | TBK2 | TBK4 |
| Blue | TBL2 | TBL4 |
| Gray | TGY2 | TGY4 |
| Caution Yellow | TCA2 | TCA4 |















Α

В

С

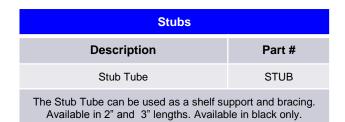
D

Ε

F

| | Inserts, Caps, and Plugs | | |
|--------|---|---------|--|
| Letter | Description | Part # | |
| Α | Dip Molded End Cap – Vinyl Cap covers exterior of tube | CAP | |
| В | Insert Glide - Poly Glide inserts into tube, excellent for finished flooring | INSGLI | |
| С | End plug – Plug conceals Tube Ends and provides and clean finish look | ENDPLUG | |
| D | Threaded Plastic Insert - Insert is used for Stem Casters, Nylon Glide Stems and other tubes | PINSERT | |
| E | Threaded Metal Insert – Insert is used for Stem Casters, Nylon Glide Stems and other tubes | INSERT | |
| F | Notched End Plug - Plastic Insert with notches conceals tube ends. Notched to fit around the bolt | N-Plug | |









| Union | |
|-------------|--------|
| Description | Part # |
| Tube Union | 1604 |

The Tube Union can be used as a tube extension or as a point of use louver. The Union slides into and bolts two tubes together to create a non- load bearing extension. Available in black only.



Plug and Play





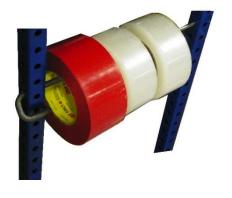


| Tool Less Pin | |
|---------------|-------------|
| Description | Part # |
| Tool Less Pin | TLCONNECTOR |

The Tool Less Pin quickly joins two tubes together for quick and easy adjustments. See above.



| Tool Holder | |
|---|--------|
| Description | Part # |
| 2" Square Tool Holder | 2THS |
| 3" Square Tool Holder | 3THS |
| 4" Square Tool Holder | 4THS |
| Tool Holders are easily pushed into tube holes for a secure | |



| Spool Holder | | |
|------------------|--------|--|
| Description | Part # | |
| 12" Spool Holder | 12SH | |
| 18" Spool Holder | 18SH | |
| 24" Spool Holder | 24SH | |
| | | |

The Spool Holder is a longer version of the Tool Less Pin.
The Spool Holder quickly mounts between two tubes.



Plug and Play











| | Plug and Play Accessories | | |
|--------|--|------------|--|
| Letter | Description | Part # | |
| Α | 4"D x 12"W x 24"L Basket | BASKET | |
| В | 12" x 24" Flat Shelf | FLAT SHELF | |
| С | 12" x 24" Flow Shelf | FLOW SHELF | |
| D | Document Holder – adjust width to fit (portrait, landscape or other) | DOC HOLDER | |

Plug and Play features are used as Point of Use applications. With peg hook style attachment, items will attach to horizontal or vertical tubing.



Handles, Hinges, & Slides



| Drawer Slide | | |
|--|------------------|--|
| Description | Part # | |
| 12" Drawer Slides | Drawer Slide 12" | |
| 18" Drawer Slides | Drawer Slide 18" | |
| 24" Drawer Slides | Drawer Slide 24" | |
| Bolt the Drawer Slides to tubing, and add inside framing. Installation hardware included. Rated at 100 lbs. per set. Other fabrication required. | | |



| Machine Handle | | |
|--|--------|--|
| Description | Part # | |
| 9" Long Machine Handle | Handle | |
| Bolts directly to tube. Best used for machine, door, and push handle applications. Width can be reduced. | | |



| Hinge | |
|--|--------|
| Description | Part # |
| 2" x 2" Hinge | Hinge |
| Attaches to two parallel tubes to create a door or gate. | |



| Indexing Handle | | |
|---|-----------------|--|
| Description | Part # | |
| Indexing Handle | Indexing Handle | |
| In combination with the Hinge, you can create a door. Press Red Button to disengage and swing handle out of the way. | | |



Towable



| Hitch | | |
|--|--------|--|
| Description | Part # | |
| Hitch Assembly Kit | Hitch | |
| Hitch Kits bolt to tubing and are joined with a Hitch Pin. Hardware included. | | |



| Female Heavy Hitch | | | | |
|---|--|--|--|--|
| Description Part # | | | | |
| Female Heavy Hitch HHitch | | | | |
| Female Heavy Hitches are recommended for heavy duty towing applications. Hitch hole is 1" diameter. | | | | |



| Turn Table | | | |
|--|------------------------------|--------|--|
| Description | Load Rating | Part # | |
| 3" x 3" Turn Table | 3" x 3" Turn Table 1200 lbs. | | |
| Turn Tables bolt to the frame like a plate caster. Use to create a quad steer cart or make a lazy susan. | | | |



| Adapter | | | |
|------------------------------|-----|--|--|
| Description Part # | | | |
| 2" Center Adapter | 2CA | | |
| 4" Center Adapter | 4CA | | |
| Horizontal or Vertical Brace | | | |



Specialty Items



| Ergo Leg Lift Kits | | | |
|--|--------|--|--|
| Description | Part# | | |
| 6" Ergo Leg Lift Manual Kit | 6ELLM | | |
| 12" Ergo Leg Lift Manual Kit | 12ELLM | | |
| 6" Ergo Leg Lift Electric Kit | 6ELLE | | |
| 12" Ergo Leg Lift Electric Kit | 12ELLE | | |
| Ergo Leg Lift kits bolt to tube frame. Set of 4 legs load rated for 1,000 lbs. | | | |



| Label Holder | | | |
|---|--------|--|--|
| Description | Part # | | |
| 48" long Label Holder LHOLDER | | | |
| Label Holder can be cut with scissors and bolted to tube. Holder is at a 30 degree angle and ideal for lower shelf viewing. | | | |

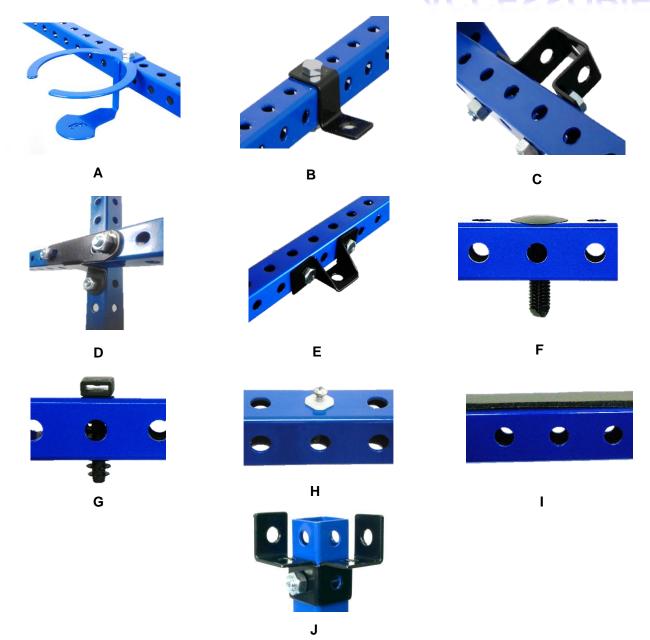


| Netting / Guarding | | | | |
|---------------------------------------|-------|--|--|--|
| Description Part # | | | | |
| Netting / Guarding | GUARD | | | |
| Poly Netting can be bolted to tubing. | | | | |



| Dip Molded Bolt Cap | | | | |
|---|--|--|--|--|
| Description Part # | | | | |
| Dip Molded Bolt Cap BOLTCAP | | | | |
| Bolt Caps are made of soft vinyl and cover exposed threads. | | | | |

ACCESSORIES



| Specialty Items | | | |
|-----------------|----------------------------|-------------|--|
| Letter | Part# | | |
| Α | Flex Craft cup holder | FCCH | |
| В | EZ-Shelf Bracket | EZSB | |
| С | Economic Ergo Lift Bracket | EELB | |
| D | Universal Flow Bracket | UFB | |
| E | Tube Saddle | Tube Saddle | |

| Specialty Items | | | | |
|-----------------|------------------------------|---------------------|--|--|
| Letter | Description | Part# | | |
| F | Xmas Tree Clip | XTREE | | |
| G | Zip Tie Mount | ZIPTIE | | |
| Н | Screw Lag | SCREWLAG | | |
| 1 | 1/8" x1" 50' Neoprene Foam | Neoprene Foam Strip | | |
| J | NEW Single Flush Mount Joint | Edge Joint | | |



Specialty Items



| Special Order Items | | | | |
|---------------------|--|--|--|--|
| Part Description | | | | |
| | Work Surfaces | | | |
| PE | Poly Ethylene | | | |
| HDPE | High Density Poly Ethylene | | | |
| Wood | Plywood, MDF, Pegboard, Masonite, and more | | | |
| Steel | HR, CR, Galv., Powder Coated, and more | | | |
| | Storage / Shelving | | | |
| Louver Panels | Various sizes and colors available | | | |
| | Conveyors | | | |
| Nylon Micro Wheel | Applied to tubing as a point of use conveyor | | | |
| 100 lb. Skate Wheel | Rated for 100 lb. per wheel | | | |
| Accessories | | | | |
| Telescoping Leg | 1 1/4" Telescoping Tube – Galv. Only | | | |
| Andon | Use multiple color tubes to create Andon | | | |
| Monitor Mount | Mount your monitor or TV to the tubing | | | |

Flex Craft offers a variety of non-stocked but available items. If you don't see what you're looking for, please contact us with your questions, comments, or suggestions.



Nylon Micro Wheel



Actual Desk At Flex Craft





Build your solutions

Fast

With Pre-cut sizes





The Show Kit will build any one of these and more!

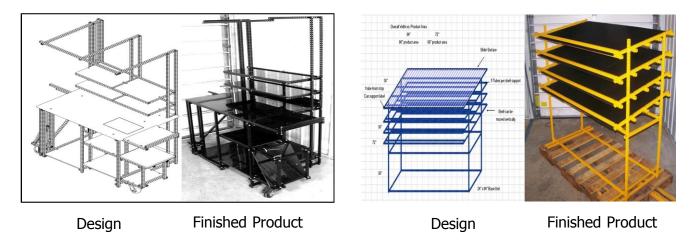
Limited substitutions available



Assembly Services

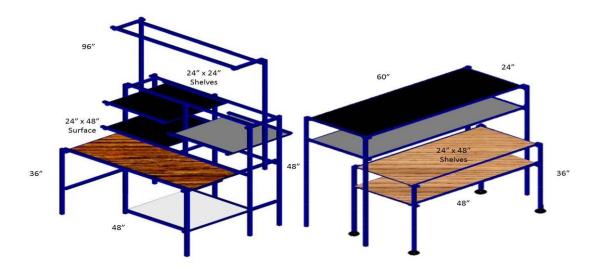
Flex Craft offers a complete assembly service. Let our team help design and assemble your project/solution.

Send us your sketch or design it in Flex Builder, and let's get started.



Design Software/Tool

Flex Craft offers free design software – Flex Builder. The copy / paste Microsoft Excel Program is quick and easy to operate. Limited SolidWorks files are also available upon request.



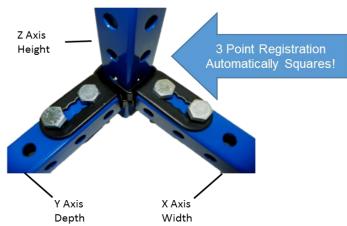


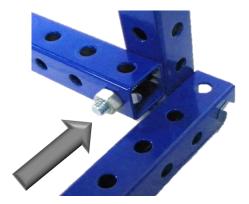
Building Tips

Direct Bolt Joint



Universal Joint





Non-Load Bearing

Framing Tips - Cubing
For best possibly results, follow guide below



Bracing Options



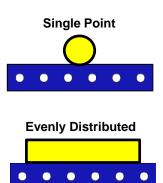
Surface Tips - Hidden Bolts

By drilling an existing hole (one side only) out to $\frac{1}{2}$ ", a socket head cap screw can be placed inside the tube and attached.



Load Reference Chart

| | Powder C | oat Steel Tube | Anodized | Aluminum Tube |
|-------------|--------------|-----------------------|--------------|--------------------|
| Tube Length | Single Point | Evenly Distributed | Single Point | Evenly Distributed |
| 12" | 485 lbs. | 970 lbs. | 270 lbs. | 540 lbs. |
| 24" | 240 lbs. | 480 lbs. | 133 lbs. | 266 lbs. |
| 36" | 152 lbs. | 304 lbs. | 85 lbs. | 170 lbs. |
| 48" | 121 lbs. | 242 lbs. | 67 lbs. | 134 lbs. |
| 60" | 97 lbs. | 194 lbs. | 54 lbs. | 108 lbs. |
| 72" | 74 lbs. | 148 lbs. | 44 lbs. | 88 lbs. |
| 84" | 69 lbs. | 138 lbs. | 38 lbs. | 76 lbs. |
| 96" | 61 lbs. | 122 lbs. | 34 lbs. | 68 lbs. |
| 108" | 52 lbs. | 104 lbs. | 29 lbs. | 58 lbs. |
| 120" | 38 lbs. | 76 lbs. | 21 lbs. | 42 lbs. |



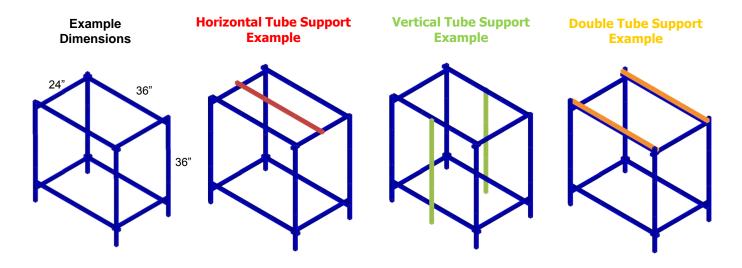
Key Points to Calculate Load Capacity

In the example provided:

- A Single Point Load placed on 2 36" steel tubes would start to yield/deflect around 304 lbs(2 tubes x 152 lbs.).
- An Evenly Distributed Load placed on 2 36" tubes would start to yield/deflect around 608 lbs (2 tubes x 304 lbs.). **Effective Countermeasures:**
- Add either (or both) additional <u>vertical</u> or <u>horizontal</u> tube supports see support examples.
- This redistributes the load weight from 2 tubes to 4 tubes.
- Doubling Tubes bolting 2 tubes together either horizontally or vertically redistributes the load weight from 2 tubes to 4 tubes.

Caster Capacity Key Points:

• If the weight is evenly distributed, the load rating of each caster is used. For example, if the expandable stem casters (as shown at right) are rated for 250 lbs. each, then the total distributed load rating is 1,000 lbs. (4 casters x 250 lbs.)



BEST PRACTICES

Plant















Work Stations















Carts

















Flow Racks and Shelving















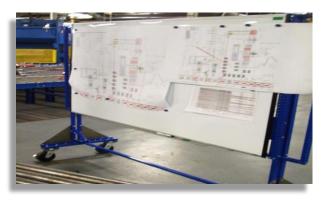
BEST PRACTICES

Other

















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