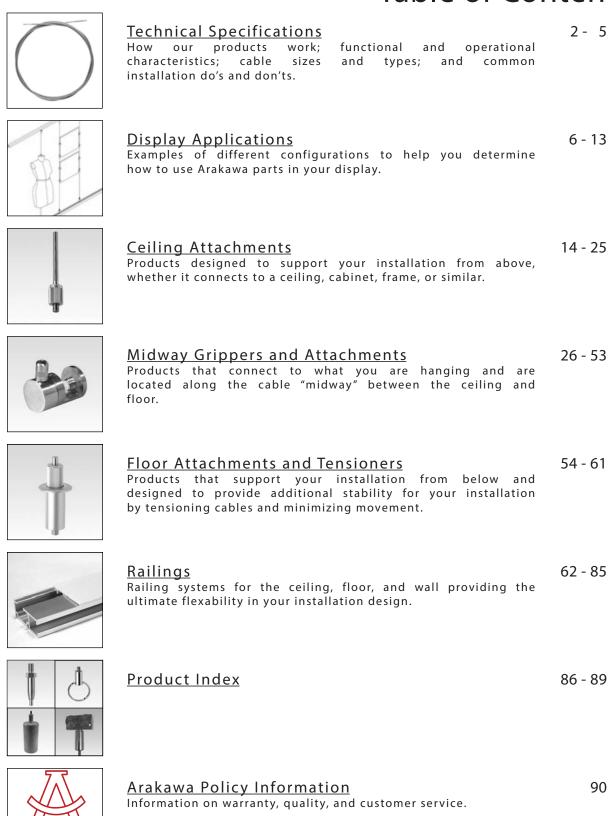
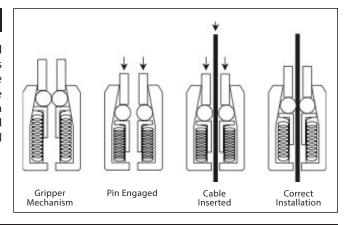
Table of Contents



Technical Specifications

How It Works

Cross-sections of the standard gripping mechanism found in most our parts are shown to the right. The gripper is activated by pressing the pin into the piece, forcing the internal ball bearings to separate enough to accept the appropriately-sized cable. Once the cable is inserted with the gripping mechanism engaged, it cannot be removed unless the pin is re-engaged, thereby separating the ball bearings and releasing their grip on the cable.

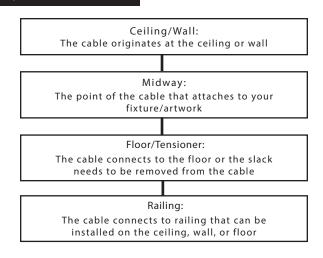


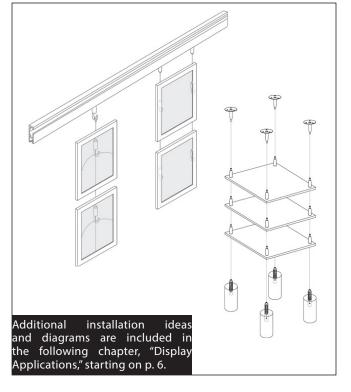
How's It Hanging?

How To Select Which Gripper You Need

There is a guide at the beginning of each product section (Ceiling Attachments, Midway Grippers and Attachments, Floor Attachments and Tensioners, and Railings) designed to assist in selecting which gripper is appropriate for your project based on function and weight.

By Function:





By Weight:

How much does what you are hanging weigh? How much weight will be suspended from each gripper? To determine the maximum weight capacity your installation can support, follow these steps:

Step 1: Multiple the number of cables by its suggested load rating (and then by 60% if you have

multiple cables*) to determine if your weight requirements are met.

Step 2: If your weight capacity has been exceeded, increase the cable diameter.

For Example: -You want to hang a shelf display by 4 cables using 3/32" size cable

-3/32" size cable has a weight load maximum of 155 lbs/cable

-Multiply the number of cables (4 in this case) by the load rating for 3/32" cable (155 lbs) and

then by 60% to get a maximum weight capacity of 372 lbs for this display.

*Why do I need to multiply by 60%?

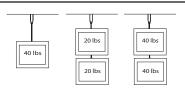
This formula has been calculated based on specific load rating tests performed by Arakawa and should be complied with to ensure a safe, quality installation with our parts.

Weight Capacity Examples

3/64"

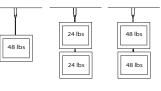
3/64" cable - 40 lbs 40 lbs x 1 cable = 40 lbs

40 lbs ÷ 2 pieces = 20 lbs/piece maximum



3/64" cable - 40 lbs 40 lbs x 2 cables = 80 lbs 80 lbs x 60% = 48 lbs

48 lbs ÷ 2 pieces = 24 lbs/piece maximum



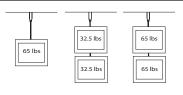




1/16"

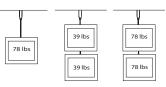
1/16" cable - 65 lbs 65 lbs x 1 cable = 65 lbs

65 lbs ÷ 2 pieces = 32.5 lbs/piece maximum



1/16" cable - 65 lbs 65 lbs. x 2 cables = 130 lbs 130 lbs. x 60% = 78 lbs

78 lbs ÷ 2 pieces = 39 lbs/piece maximum



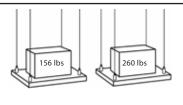






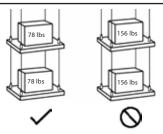
1/16" cable - 65 lbs 65 lbs x 4 cables = 260 lbs 260 lbs x 60% = 156 lbs

156 lbs/display maximum



1/16" cable - 65 lbs 65 lbs x 4 cables = 260 lbs 260 lbs x 60% = 156 lbs maximum/display

156 lbs ÷ 2 shelves = 78 lbs maximum/shelf



3/32"

3/32" cable - 155 lbs 155 lbs x 2 cables = 310 lbs 310 lbs x 60% = 186 lbs

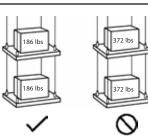
186 lbs maximum/2 cables





3/32" cable - 155 lbs 155 lbs x 4 cables = 620 lbs 620 lbs x 60% = 372 lbs maximum/display

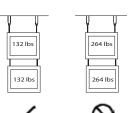
372 lbs ÷ 2 shelves = 186 lbs maximum/shelf



1/8"

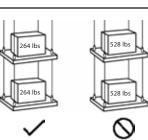
1/8" cable - 220 lbs 220 lbs x 2 cables = 440 lbs 440 lbs x 60% = 264 lbs

264 lbs maximum/2 cables



1/8" cable - 220 lbs 220 lbs x 4 cables = 880 lbs 880 lbs x 60% = 528 lbs maximum/display

528 lbs ÷ 2 shelves = 264 lbs/shelf maximum



5/32"

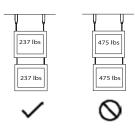
5/32" cable - 396 lbs 396 lbs x 2 cables = 792 lbs 792 lbs x 60% = 475 lbs

475 lbs maximum/2 cables



5/32" cable - 396 lbs 396 lbs x 2 cables = 792 lbs 792 lbs x 60% = 475 lbs

475 lbs ÷ 2 pieces = 237 lbs/piece maximum



^{*} Please note: When hanging artwork or vertical panels, weight capacities can only be estimated based on a maximum of two (2) cables since there is no way to effectively determine if the weight is being distributed evenly between three or more cables.

Cable Sizes and Types

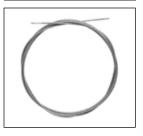
Stainless steel is preferred for its aesthetic appeal and performance characteristics, and this is the cable type we sell to accompany our parts. Arakawa parts should only be used with 7 x 7 aircraft cable (see image to the right).



Cable is available in five diameters with the following single-cable weight capacities: 3/64" (40 lbs/18 kg), 1/16" (65 lbs/30 kg), 3/32" (155 lbs/70 kg), 1/8" (220 lbs/100 kg), and 5/32" (396 lbs/180 kg). See page 3 for weight capacity examples.

If cutting cable on your own, use appropriate cable cutters and solder the cable ends or use KrazyGlue® or similar adhesive as a temporary solution. Cable ends must be neat and clean to avoid fraying, and allow glue to dry completely before installing the cable into the gripper.

Cable, Soldered Ends



use with parts (unless otherwise specified).

Cable With Loop





Commonly used with: CR6 (p. 73) MCD6S (p. 70) MJ1BJ (p. 75) MJ1C (p. 75)

Cable With Thimble

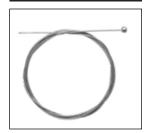




Commonly used with:

HJ1D (p. 83) VJ1D (p. 84)

Cable With Ball Stop





Commonly used with: CR5 (p. 73) MJ1B (p. 75) HJHD (p. 83) VJBC (p. 81)

Gripper Types and Installation

Standard Gripper Installation





- 1. Insert cable through pin into gripper.
- 2. To remove, press and hold pin and pull out cable completely.

With the standard gripper, the pin should point down when fastened at the ceiling and point upward when suspended as a midway gripper.

Safety Cap Gripper Installation









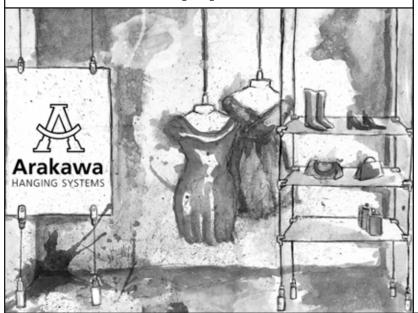
- 1. Unscrew (but do not remove) the safety cap.
- 2. Insert the cable fully into the gripper.
- 3. Screw the cap down tightly.
- 4. To adjust or remove, loosen the cap.

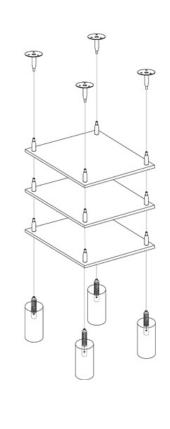
Safety cap grippers are useful in high traffic areas because the lock prevents unintentional movement.

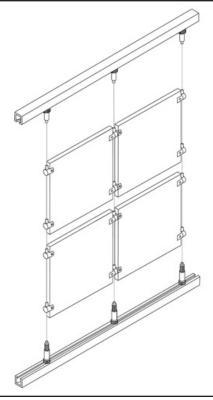
Installation Guidelines: Do's and Don'ts				
Do's	Don'ts			
• <u>DO</u> use only 7 x 7 weave cable (see page 4).	• <u>DON'T</u> use 1 x 19, 7 x 19 or other sizes of woven cable, fishing line, or other types of stringing materials with Arakawa grippers.			
• <u>DO</u> insert cable into the gripper completely (shown at right).	DON'T only insert the cable partially into the gripper (shown at right); if cable is not inserted properly, the internal gripper mechanism may not engage completely and the cable could be released during or after installation.			
• <u>DO</u> make sure the gripper is correctly aligned. Ceiling-mounted grippers should have the pin facing down, but all others will have the pin facing up (shown at right).	DON'T incorrectly align gripper or insert cable into gripper at an angle; if cable exits the gripper at an angle it could inadvertently depress pin and release cable during or after installation (shown at right).			
• <u>DO</u> use triangular cut wire cutters to cut cable, such as those included in our cable cutting kit (Arakawa part CCK).	DON'T use electrical wire cutters, or those not specifically approved for stainless steel cable.			
• <u>DO</u> use only a lint-free cloth to clean cables.	 <u>DON'T</u> use cleaners or solvents on cable as these may change properties of the cable and cause staining. 			
• <u>DO</u> coil cable behind artwork, panels, and fixtures to conceal cable in your installation.	 DON'T cut cable lengths to prevent exposure from behind artwork, panels, or fixtures as you may end up without enough length for your next installation. 			
 <u>DO</u> install ceiling grippers, wall grippers, and rails into structural framework, or use anchors as appropriate. 	 DON'T install ceiling grippers, wall grippers, and rails into drywall or drop ceilings without blocking or other structural reinforcements as these surfaces do not provide adequate installation support. 			
• <u>DO</u> cut CRE, CRJ, and MH3 rail with cover on to ensure rail and cover lengths match up correctly.	DON'T paint cable, parts (with the exception of vinyl rail covers), or rail as paint can interfere with proper functioning of these parts.			
• <u>DO</u> handle CRE, CRJ, and MH3 vinyl rail covers with clean hands.	DON'T use our parts outdoors or in environments with excessive moisture or chemicals.			

If you ever have any questions or concerns about any of this information, or your own installation of our parts, DO give us a call a 1.888.ARAKAWA (888.272.5292) for assistance.

Display Applications







This section illustrates a range of common installation applications using Arakawa products, including art hanging, sign and banners, shelving, and retail uses. Please use this section as a reference point as you design the installation that best suits your specific needs, and feel free to contact us and speak with any of our knowledgeable sales associates with any questions or additional design ideas.

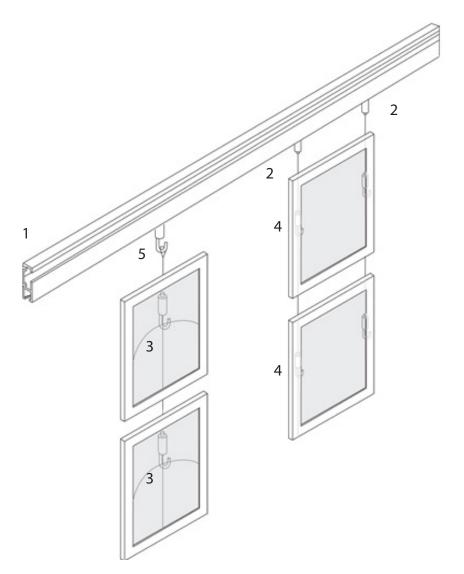
Please visit our website for more installation drawing ideas and photos!

www.arakawagrip.com



Art Rail Hanging Display Applications

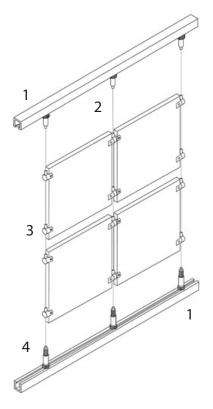
Arakawa railings make hanging artwork a snap. Wall railings such as CRE and CRJ are the most common choices, and all you need to add is the rail fitting, cable, and hook (or other midway attachment) and you are ready to hang your pieces. Our parts are designed to be minimal and inconspicuous, so that you can show off your artwork and not the hardware that hangs it.



- 1. CRJ rail (p. 72)
- 2. CR1 (p. 73)
- 3. SF20RPS (p. 47)
- 4. AF3P116SS (p. 31)
- 5. CR6 (p. 73)

Sign and Banner Display Applications

There are numerous options for hanging signs, banners, and graphics with Arakawa's parts. Since every installation is different, we provide several choices from ceiling and floor railings to stationary mounting pieces that will coordinate with the conditions of your site. Sign clevises offer a clean, minimal look, while midway grippers come in rotating and double-sided options, allowing for versatile applications.

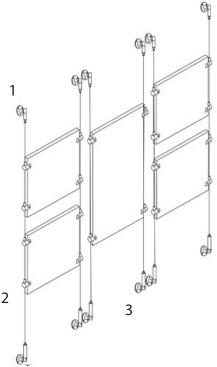


Ceiling and Floor Rail

CRB railing for ceilings and floors is shown here suspending signage with the BRG1 and BRG2 rotating midway grippers. BS1R rail clips and BS23BRSET rail tensioners allow your signage to move anywhere along the path of the rail to hang multiple sizes of signs in multiple configurations.

Parts Shown:

- 1. CRB Rail (p. 68)
- 2. BS1R (p. 69)
- 3. BRG1/BRG2 (p. 34)
- 4. BS23BRSET (p. 70)

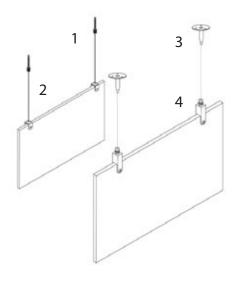


Wall-Mounted Signage

For signage that does not change frequently, the SF32 and TF32+T create a sleek, clean installation. Midway grippers such as FRG1S and FRG2S, shown here, can grip non-glass materials up to 3/8" thick, allowing numerous options for your signage display.

- 1. SF32 with 32W (p. 20)
- 2. FRG1SS (p. 44)
- 3. TF32+T with 32W (p. 60)

Sign and Banner Display Applications

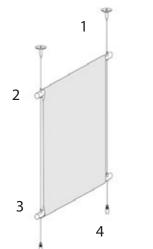


Wayfinding Signage

Arakawa creates minimal hardware that is very easy to install, such as AT5SET and A016 combination, or SF35SET and SF31SSET combination, both shown here.

Parts Shown:

- 1. AT5SET (p. 16)
- 2. A016 (p. 30)
- 3. SF35SET (p. 21, 50)
- 4. SF31SSET (p. 49)

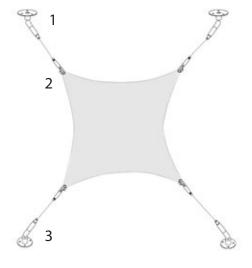


Banners

HR1 hang rod and SF35BO work together to hang banners. HR1 is available in 3-foot, 4-foot and 6-foot lengths, and is shown here hung from a ceiling with SF35SET and tensioned to the floor with SF23BSET. HR1 custom lengths available upon request.

Parts Shown:

- 1. SF35SET (p. 21, 50)
- 2. SF35BO (p. 50)
- 3. HR1 (p. 40)
- 4. SF23BSET (p. 59)



Angled Cables

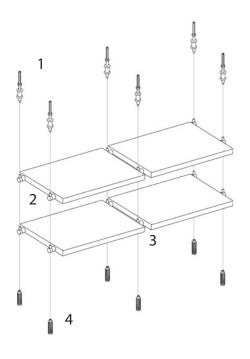
SF32 and TF32+T combine to allow cables to angle from floor to ceiling or wall to wall. These parts are a common solution to installations that are a bit more atypical and require hardware that allows for a more specialized installation.

In this installation, fabric scrims with grommets in each corner are stretched with SF20RPS hooks for applications such as room dividers or creative wall hangings.

- 1. SF32 with 32W (p. 20)
- 2. SF20RPS (p. 47)
- 3. TF32+T with 32W (p. 60)

Shelving Display Applications

Arakawa's parts can hang shelves of many different materials and sizes. There are parts to grip shelves from the edges, parts that attach into the edge of the shelf with hardware, and parts that pass through shelves and provide support from underneath. Using quick-release cable grippers means that adjusting your shelf display no longer involves removing brackets and grid systems from the wall. Now it's as easy as sliding the shelf up or down the cables.

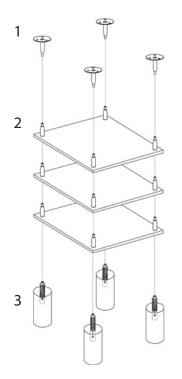


Wood Shelving

The FRB1SS and FRB2SS are rotating grippers that attach to the edges of wood shelving. The rotation allows for the shelving panels to be hung vertically, horizontally, or angled at a diagonal to suit your display needs and showcase your product in the best possible manner.

Parts Shown:

- 1. SF27SET (p. 19)
- 2. FRB1SS (p. 43)
- 3. FRB2SS (p. 43)
- 4. SF23BSET (p. 59)

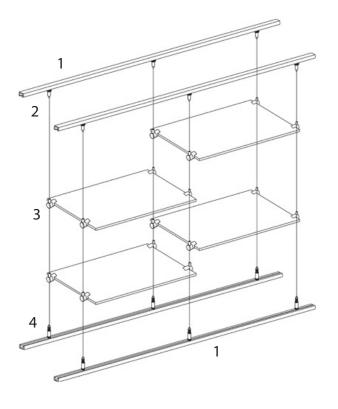


Shelving With Floor Weights

If you prefer to protect your flooring from hardware, consider using our EW weights to provide stability to your display. They come in three finish options to help blend with your environment: raw mild steel, chrome, and light gray powder-coat. Also shown here is the SF35RSET for shelving that provides a protective surface for your glass shelving installation.

- 1. SF35SET (p. 21, 50)
- 2. SF35RSET (p. 50)
- 3. EW weights (p. 58)

Shelving Display Applications

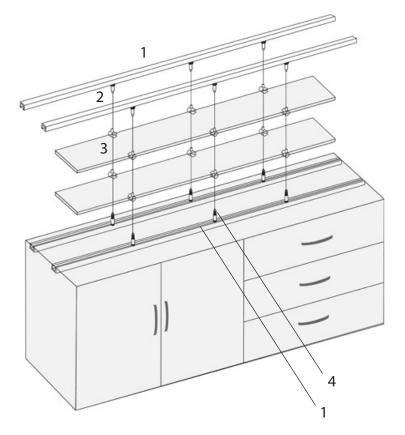


Ceiling and Floor Railing

CRB and CRC rails, which can be installed on both ceilings and floors, allow for endless possibilities for your shelving configurations. Midway grippers such as the FSG1, shown here, provide a simple and economical way to hang shelving with a thickness of 3/8" or less.

Parts Shown:

- 1. CRB/CRC Rail (p. 68)
- 2. BS1R (p. 69)
- 3. FSG1 (p. 46)
- 4. BS23BRSET (p. 70)



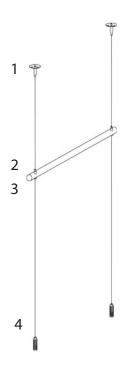
Cabinetry & Countertop Railing

CRC railing is shown here countersunk into the ceiling and the top of a cabinet in this shelving display, along with the BS1R rail clip and the BS23BRSET tensioner to add stability. Arakawa hardware is an ideal solution for creating elegant displays that blend into the surrounding fixtures and environments with ease.

- 1. CRC Rail (p. 68)
- 2. BS1R (p. 69)
- 3. BRG1 (p. 34)
- 4. BS23BRSET (p. 70)

Retail Display Applications

The versatility of Arakawa's parts allow the creation of retail store and window displays that accommodate shelving, sign graphics, hang rods, display boxes, and whatever else you may need to hang to showcase your products. In the retail industry, seasons and styles change, and new products arrive on a regular basis. Our parts meet the demand of a continually changing environment and provide quick and easy installations. Now you can spend more time with your customers and less on your fixtures.

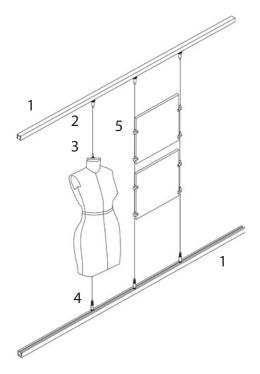


Hang Rods

The Arakawa product line includes1-inch-diameter stainless steel hang rods (HR1) that can be installed in conjunction with SF35BO, allowing for vertical adjustment. Attached to the ceiling by such parts as the SF35SET and tensioned to the floor with the SF23BSET, these sleek hang rods integrate beautifully with any fixtures style and are available in 3-foot, 4-foot, and 6-foot lengths.

Parts Shown:

- 1. SF35SET (p. 21, 50)
- 2. SF35BO (p. 50)
- 3. HR1 (p. 40)
- 4. SF23BSET (p. 59)

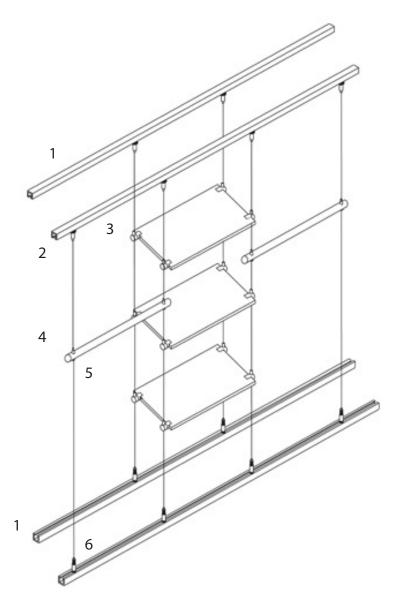


Storefront Window Display

CRB railing on both the floor and ceiling is perfect for creating interchangeable window displays. Mannequins can be hung with such parts as SF35BO, BS30, or AD1 and tensioned to the rail with the BS23BRSET rail tensioner. FRG1SS shown here hanging signage, can also rotate to hang shelving, allowing product and graphics to be easily displayed and changed.

- 1. CRB Rail (p. 68)
- 2. BS1R (p. 69)
- 3. BS30 (p. 17, 37)
- 4. BS23BRSET (p. 70)
- 5. FRG1SS (p. 44)

Retail Display Applications

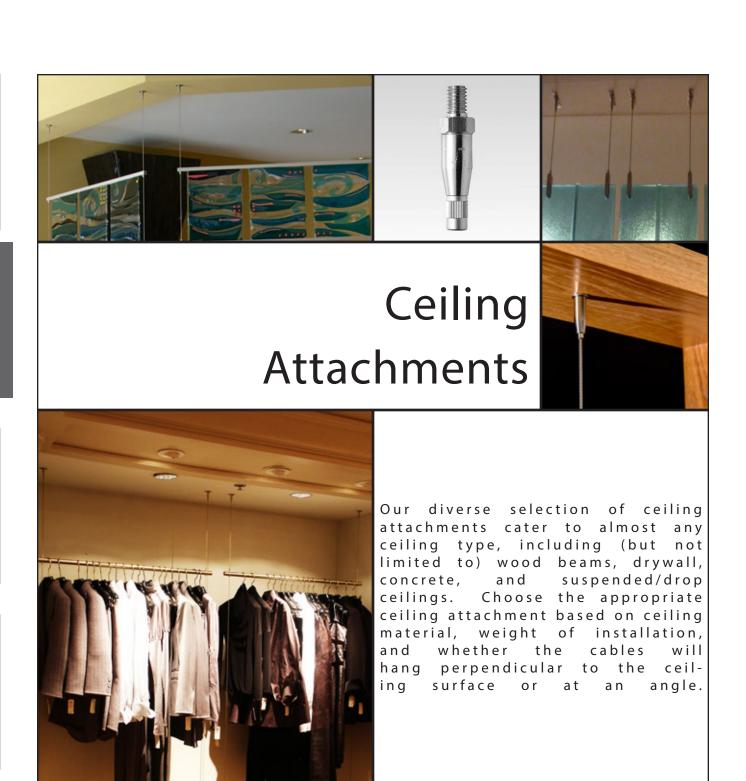


Parts Shown:

- 1. CRB/CRC Rail (p. 68)
- 2. BS1R (p. 69)
- 3. FRG1SS (p. 44)
- 4. SF35BO (p. 50)
- 5. HR1 (p. 40)
- 6. BS23BRSET (p. 70)

Multi-Rail Installations

Using multiple rows of ceiling and floor railing, such as the CRB or CRC, is the best way to give your display applications the widest range of potential layout options. Create depth and interest by layering shelving and signage using the FRG1SS, which rotates to accommodate both horizontal and vertical applications. Stagger the heights of your hang rods using HR1 and SF35BO to create visual interest in your display.









How's It Hanging? Ceiling Attachment Options					
Cable Size Maximum Weight	3/64" 40 lbs 18 kg	3/64" - 1/16" 40 lbs - 65 lbs 18 kg - 30 kg	1/16" - 3/32" 65 lbs - 155 lbs 30 kg - 70 kg	1/8" 220 lbs 100 kg	5/32" 396 lbs 180 kg
		Perpendic	ular Attachments		
Sheetrock®, Drywall, Gypsum Board	AT5SET	BS35SET BS60SET	SF35SET SF60SET	MF35S	
Wood		BS16SET	SF16SET	MF16S MF35S	
Suspended/			SF35SET SF60SET	AP INIT 555	
Drop Ceilings, Acoustical tile, Unistrut*		BS27SET	SF27SET	MF27S	
Concrete			SF38SET	MF16S MF38S	
				3	
Angled Attachments					
Drywall, Gypsum Board, Wood		BS30	SF30SET	MF30S	
			SF32 SF32+T	MF32+T	WF32+T *wood only
Suspended/ Drop Ceilings, Acoustical tile, Unistrut*			SF32 SF32+T		
Concrete				MF32+T	WF32+T

AT5SET

Cable Size

3/64" 1.2 mm

Maximum Weight

18 kg

Function

ceiling: Sheetrock®, drywall, gypsum board

Description

ATSSET is a lightweight ceiling connector that includes the Arakawa ATSBO gripper, a 5 mm (13/64") Toggler® anchor, and a 5/16" (8 mm) washer. The hollow structure of the AT5BO allows excess cable to be inserted through the gripper and hidden into the ceiling cavity (depending on ceiling structure).

Installation

<u>Step 1</u>
Drill 1/2" (13 mm) hole in ceiling surface. Hold metal channel flat alongside plastic straps and slide channel through hole. Minimum clearance behind wall: 1 7/8" (48 mm).

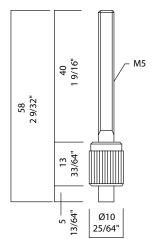
Hold ends of straps between thumb and forefinger and pull toward you until channel rests flush behind wall. Slide plastic cap along straps with other hand until flange of cap is flush with wall.

Step 3

Snap straps at wall by pushing side to side, snapping off straps level with flange of cap.

Insert washer and AT5BO, tighten until flush. Insert cable into gripper.





BS16SET

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 18 kg 1/16": 65 lbs 30 kg

Function

ceiling: wood, hang rod/pipe

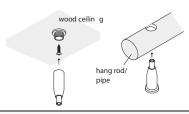
Description

BS16SET is a lightweight gripper that can be used as a ceiling connector into wood or to support hang rods/pipes up to 5/8" (15.5 mm) in diameter.

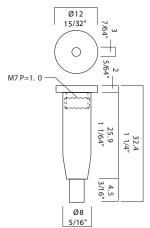
Installation

For wood ceilings, unscrew body and attach base to ceiling with #3 pan head screw (not included), then reattach body and insert cable.

For hang rod/pipe support, drill a 11/32" (9 mm) hole in hang rod/pipe, insert BS16SET from underneath, then insert cable.







Small installation hardware required; not appropriate for all ceiling applications. Consult Arakawa associate for details.

BS27SET

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

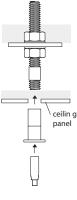
Function

ceiling: suspended/drop ceilings, acoustical tile, Unistrut

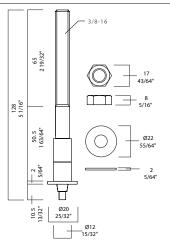
Description

BS27SET is a lightweight ceiling fastener that allows excess cable to be inserted through the gripper and hidden into the ceiling cavity (depending on ceiling structure).

Installation BS27SET Separate into 3 parts: bolt, flange (or dress nut), and gripper. Drill 1/2" (12.5 mm) hole Drill in ceiling material. Fix the bolt to the reinforcement material, fasten the flange to the bolt, screw in gripper, then insert cable into tip of gripper. Distance from the surface of ceiling panel to bolt is 5/8" to 43/64" (16 to 17







Includes two (2) washers and two (2) nuts, as pictured above.

BS30

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

ceiling: Sheetrock®, drywall, gypsum board, wood

Description

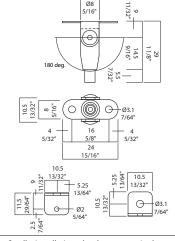
BS30 is lightweight intended for use with sloped ceilings or other applications where angled cable is desired. The gripper body swivels on its base a full 180 degrees.

Installation

Attach BS30 to ceiling with two #4 pan head screws (not included), then insert cable, making sure the strength of the screws and ceiling materials are sufficient to support the weight of the installation. L-bracket included.







Small installation hardware required; not appropriate for all ceiling applications. Consult Arakawa associate for details.

Double Duty

our parts serve multiple Many of with the ability to be functions, used as ceiling and/or midway attachments. Some of the most pieces common versatile shown below, and the detailed specifications of each product are included in both sections of this catalog. Please contact us with any questions.



Midway Attachments



























SF35SET





SF60SET





MF16S





MF30S





MF35S



BS35SET

Cable Size 3/64" - 1/16"

1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

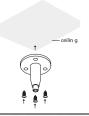
ceiling: Sheetrock®, drywall, gypsum board, wood

Description

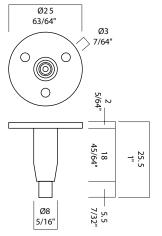
BS35SET is a lightweight gripper that can be used as a connector for Sheetrock®, drywall, gypsum board, and wood ceilings.

In stall at ion

Attach BS35SET to ceiling with three #4 pan head screws (not included), use anchors if necessary (not included). Then insert cable, making sure the strength of the screws and ceiling materials are sufficient to support the weight of the installation.







Small installation hardware required; not appropriate for all ceiling applications. Consult Arakawa associate for details.

BS60SET

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

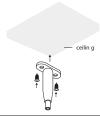
Function

ceiling: Sheetrock®, drywall, gypsum board, wood

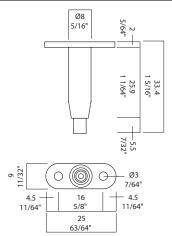
Description
BS60SET is a lightweight gripper
that can be used as a connector for
Sheetrock®, drywall, gypsum board, and wood ceilings.

Installation

Attach BS60SET to ceiling with two #4 pan head screws (not included), use anchors if necessary (not included). Then insert cable, making sure the strength of the screws and ceiling materials are sufficient to support the weight of the installation.







Small installation hardware required; not appropriate for all ceiling applications. Consult Arakawa associate for details.

SF16SET

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function

ceiling: wood

Description

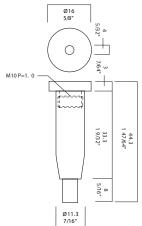
SF16SET is a single screw lowprofile gripper that can be used as a connector into wood ceilings.

Installation

For wood ceilings, unscrew body and attach base to ceiling with #6 pan head screw (not included), then reattach body and insert cable.







SF25

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

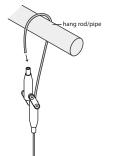
Function

ceiling: loop around hang rod/pipe

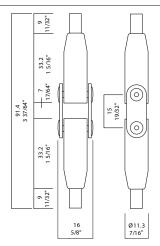
Description SF25 is a versatile gripper for making loops and nooses with a single cable; also used to connect the end of one cable to the middle of another (e.g., to form grids, trellises, or similar).

Installation

Insert cable through the end of one gripper, pull cable over and around hang rod/pipe, then insert cable end into second gripper.







SF27SET

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function

ceiling: suspended/drop ceilings, acoustical tile, Unistrut®

Description

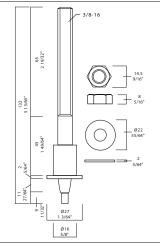
Description
SF27SET is a ceiling fastener that allows excess cable to be inserted through the gripper and hidden into the ceiling cavity (depending on ceiling structure).

Installation SF27SET Separate into 3 parts: bolt, flange (or dress nut), and gripper. 5/8" (16 mm) Drill hole in ceiling material. Fix the bolt to the reinforcement material, fasten the flange to the bolt, screw in gripper, then insert cable into tip of gripper. Distance from the ceiling surface of ceiling panel to bolt is 11/32" to 25/64" (9 to 10 mm).

ceilin g

panel





Includes two (2) washers and two (2) nuts, as pictured above.

SF30SET

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function

ceiling: Sheetrock®, drywall, gypsum board, wood

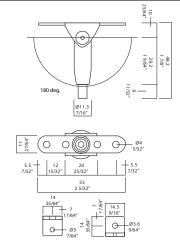
Description
SF30SET is a gripper intended for use with sloped ceilings or other applications where angled cable is desired. The gripper body swivels on its base a full 190 degrees. its base a full 180 degrees.

Installation

#8 pan head screws (not included), then insert cable, making sure the strength of the screws and ceiling materials are sufficient to support the weight of the installation.







SF32 and SF32+T

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

65 lbs 30 kg 3/32": 155 lbs 70 kg

Function

ceiling: concrete, Sheetrock*, drywall, gypsum board, suspended/drop ceilings, acoustical tile, Unistrut*, wood

Description

SF32 and SF32+T are bullet-shaped grippers with a U-joint for installations at angles. SF32+T differs from the SF32 in that it has a side exit to adjust cable length during installation. SF32/SF32+T has a female thread so that it can be fastened to a 3/8-16 threaded stud or hanger bolt. SF32/SF32+T can also be combined with a 32W (round) or 60W (rectangular) mounting plate to attach the gripper to wooden ceilings and rafters.

For concrete ceilings, attach SF32/SF32+T to 3/8-16 anchor with all-thread stud. For wood blocking, use a hanger bolt.

Another option is to use Arakawa 32W or 60W mounting plates (purchased separately) with #8 pan head screws (not included), as shown in the examples below.







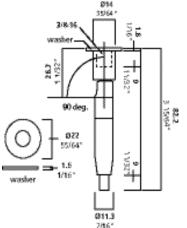


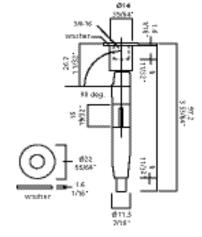
SF32 w/32W

SF32+T w/32W







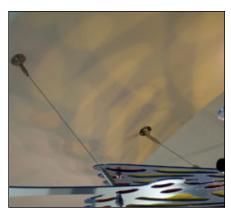


SF32/SF32+T includes one (1) washer, as pictured above.



The SF32+T with the 32W round mounting plate is shown as a ceiling attachment for suspending signature three-dimensional artworks in public spaces.





SF35SET

Cable Size 1.5 mm - 2.5 mm 1/16" - 3/32"

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function ceiling: Sheetrock®, drywall, gypsum board, wood

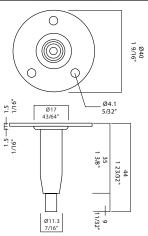
Description

SF35SET is a gripper with a circular mounting plate that can be used as a connector for Sheetrock®, drywall, gypsum board, and wood ceilings.

Installation
Attach SF35SET to ceiling with three #8 pan head screws (not included), use anchors if necessary (not included). Then insert cable, making sure the strength of the screws and ceiling materials are sufficient to support the weight of the installation.









The SF35SET is shown as a ceiling attachment for supporting hang rods in retail environments.



SF38SET

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

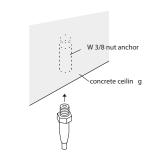
30 kg 3/32": 155 lbs 70 kg

Function ceiling: concrete

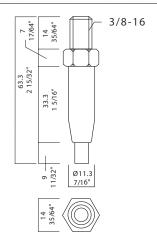
Description
SF38SET is a bullet-shaped gripper
with a 3/8-16 male thread, permitting
installations into concrete ceilings
(using a 3/8-16 threaded nut, anchor, or similar, not provided).

Installation

Screw SF38SET into a 3/8-16 nut anchor (not provided) that has been adequately installed into ceiling ceiling structure. Insert cable.







SF60SET

Cable Size 1/16" - 3/32"

1.5 mm - 2.5 mm

Maximum Weight

65 lbs 30 kg 3/32": 155 lbs 70 kg

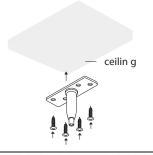
Function ceiling: Sheetrock®, drywall, gypsum board, wood

Description

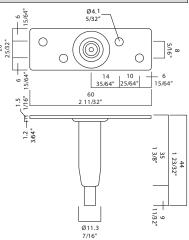
SF60SET is a gripper with a rectangular mounting plate that can be used as a connector for Sheetrock*, drywall, gypsum board, and wood ceilings.

Installation

Attach SF60SET to ceiling with four #8 pan head screws (not included), use anchors if necessary (not included). Insert cable.











Glass artist Jonathan Swanz used Arakawa parts to install this 28 paneled glass partition entitled "River Plains" in a commercial interior. SF60SET was used to suspend the panels from the ceiling in a rhythmic fashion, while the SF31SLSET (see 'Midway Grippers') and the SF23CSET 'Floor Tensioners') (see were used as midway and tensioning pieces respectively to complete this stunning installation.



MF16S

Cable Size

3.0 mm

Maximum Weight

100 kg

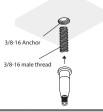
Function ceiling: concrete, wood

Description

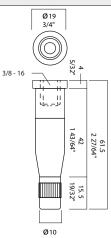
MF16S is a low-profile gripper with a safety cap and 3/8-16 female threading, permitting installation into wood and concrete ceilings.

Installation

For ceiling installation, use a 3/8-16 hanger bolt, all thread, zip toggler, or other appropriate anchor thread (none provided), thread MF16S onto stud and then into anchor. Loosen safety cap almost completely, insert cable, then retighten safety cap to prevent unintentional movement.







MF25S

Cable Size

3.0 mm

Maximum Weight

100 kg

Function

ceiling: loop around hang rod/pipe

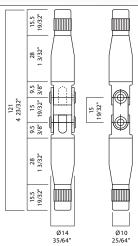
Description MF25S is a versatile gripper with safety caps that allows for making loops and nooses with a single cable; also used to connect the end of one cable to the middle of another.

Installation

Loosen safety cap almost completely, insert cable through the end of one gripper, pull cable over and around hang rod/pipe, insert cable end into second gripper, then retighten safety cap to prevent unintentional movément.







Safety Cap Gripper Installation

- 1. Unscrew (but do not remove) the safety cap.
- Insert the cable fully into the gripper.
- 3. Screw the cap down tightly.
- 4. To adjust or remove, loosen the cap.

Safety cap grippers are useful high traffic areas because the lock prevents unintentional movement.









MF27S

Cable Size

3.0 mm

Maximum Weight

100 kg

Function

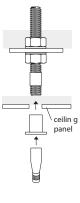
ceiling: suspended/drop ceilings, acoustical tile, Unistrut

Description

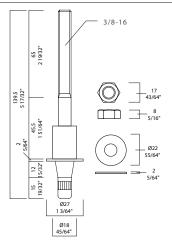
MF27S is a ceiling fastener with a safety cap that allows excess cable to be inserted through the gripper and hidden into the ceiling cavity (depending on ceiling structure).

Installation

Separate MF27S into 3 parts: bolt, flange (or dress nut), and (or dress nut), and gripper. Drill 3/4" (19 mm) hole in ceiling material. Fix the bolt to the reinforcement material, fasten the flange to the bolt, screw in gripper, then loosen safety cap almost completely and insert cable into tip of gripper. Tighten safety cap to prevent unintentional unintentional movement. Distance from surface of ceiling panel to bolt is 11/32' to 25/64" (9 to 10 mm).







Includes two (2) washers and two (2) nuts, as pictured above.

MF30S

Cable Size

3.0 mm

Maximum Weight

220 lbs 100 kg

Function

ceiling: Sheetrock®, drywall, gypsum board, wood

Description

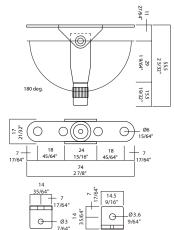
MF30S is a gripper with a safety cap intended for use with sloped ceilings or other applications where angled cable is desired. The gripper body swivels on its base a full 180 degrees.

Installation

#12 pan head screws (not included), then insert cable, making sure the strength of the screws and ceiling materials are sufficient to support the weight of the installation. Loosen safety cap almost completely and insert cable into tip of gripper. Tighten safety cap to prevent unintentional movement. L-bracket included.







MF32+T

Cable Size

3.0 mm

Maximum Weight

100 kg

Function

ceiling: concrete, wood

Description

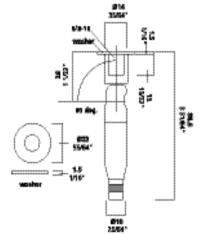
MF32+T is a bullet-shaped gripper with a safety cap and a U-joint for installations at difficult angles. MF32+T also has a side exit to adjust cable length during installation.

Installation

Installation
Attach MF32+T to a 3/8-16 anchor with all thread stud (not included) for concrete; for wood blocking, use a hanger bolt (not included) or Arakawa's 32W or 60W mounting plate with #8 pan head screws (none provided). Loosen safety cap almost completely and insert cable into tip of gripper. Tighten safety cap to prevent unintentional movement. unintentional movement.







Includes one (1) washer, as pictured above.

MF35S

Cable Size

3.0 mm

Maximum Weight

220 lbs 100 kg

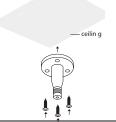
Function ceiling: Sheetrock®, drywall, gypsum board, wood

Description

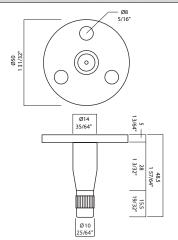
MF35S is a heavy-weight gripper with a safety cap and a circular mounting plate that can be used as a connector for Sheetrock®, drywall, gypsum board, and wood ceilings.

Installation

Attach MF35S to ceiling with three 1/4" (6.5 mm) pan head screws (not included), use anchors if necessary (not included). Insert cable. Loosen safety cap almost completely and insert cable into tip of gripper. Tighten safety cap to prevent unintentional movement.







MF38S

Cable Size

3.0 mm

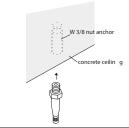
Maximum Weight 220 lbs 100 kg

Function ceiling: concrete

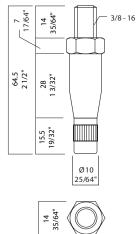
Description MF38S is a bullet-shaped gripper with a safety cap and 3/8-16 male thread, permitting installations into concrete ceilings (using a 3/8-16 threaded nut, anchor, or similar, not provided).

Installation

Screw MF38S into a 3/8-16 nut anchor (not provided) that has been adequately installed into ceiling structure. Loosen safety cap almost completely, insert cable, almost completely, insert cable, then retighten safety cap to prevent unintentional movement.







WF32+T

Cable Size

5/32" 3.0 mm

Maximum Weight

5/32": 180 kg

Function

ceiling: concrete, wood

Description

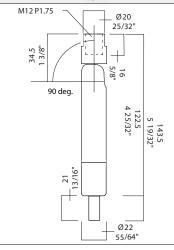
WF32S is a bullet-shaped gripper with a side exit and U-joint for installations at difficult angles. WF32S has a female thread so that it can be fastened to a M12 threaded stud or hanger bolt (not included).

Installation

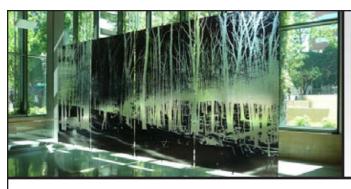
Attach WF32S to a pre-installed M12 anchor or M12 all thread (none provided) for concrete; for wood blocking, use a M12 hanger bolt (not included). Insert cable. For additional security, tighten set crew using 3/32" (3 mm) Allen key (included).







Includes one (1) 3/32" (3 mm) Allen key.







Midway Grippers and Attachments





This section illustrates dozens of products that hang from a point along the cable "midway" between the ceiling and floor, typically the point where our system attaches to items you wish to suspend. To determine which products are best suited for your application, review the guide on the immediately following pages and carefully consider the material of your display (i.e., artwork, shelving, signs/panels) and how you would like to connect to it.











How's It Hanging?					
Cable Size Maximum Weight	3/64" 40 lbs 18 kg	3/64" - 1/16" 40 lbs - 65 lbs 18 kg - 30 kg	1/16" - 3/32" 65 lbs - 155 lbs 30 kg - 70 kg	1/8" 220 lbs 100 kg	5/32" 396 lbs 180 kg
		,	Artwork		
Hook	AF3 AF3P	AF3P116SS BS20RKS BS20RPS	SF20RKS SF20RPS	MF20S	VF20S
Ring	AR1	BS21	SF21	MF21S	
		Vertica	l Panels/Signs		
			Glass*		
Side-Mount		BRT1	CRA1 *Installation photo		
Through- Mount			SF31SLSET		
		Other Materials (i.	e., Plexiglass, Wood, N	letal)	
Side-Mount		AD1 BRG1 BRG2 BSVL1 BSVR1	FRG1SS FRG2SS		
Through- Mount	A016	BSR31LSET BS31 Angled F	FRP1 SF31SSET Panels/Shelving	MF31S	
Side-Mount					
		BS30	SF30SET	MF30S	
*Products intended for glass applications are also suitable for other materials.					

How's It Hanging? Midway Gripper Options					
Cable Size Maximum Weight	3/64" 40 lbs 18 kg	3/64" - 1/16" 40 lbs - 65 lbs 18 kg - 30 kg	1/16" - 3/32" 65 lbs - 155 lbs 30 kg - 70 kg	1/8" 220 lbs 100 kg	5/32" 396 lbs 180 kg
		Horizo	ontal Shelving		
		1	Glass*		I
Side-Mount		BRG1 BRG2	FMG1S FMG2S		
			FRG1SS FRG2SS		
			FSG1		
Through- Mount		BS35RSET	SF35RSET	MF35SR	
		Other Materials (i.	e., Plexiglass, Wood, N	letal)	
Side-Mount		BRB1 BRB2	FMB1S FMB2S		
			FRB1SS FRB2SS		
Through- Mount		BS16SET BS35SET BS60SET	SF16SET SF35SET SF60SET	MF16S MF35S	
Hang Rod/Pipe					
Side-Mount		BRB1	FMB1S FRB1SS		
Through- Mount		BS16SET	HR1 *Installation photo	MF16S	
*Products int	tended for glass applicati	ons are also suitable for o	SF16SET SF35BO ther materials.		

A016

Cable Size 3/64"

1.2 mm

Maximum Weight

18 kg

Function

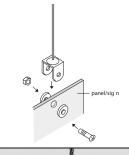
midway: for glass) vertical panels/signs (not

Description

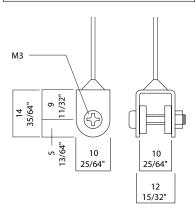
A016 is a clevis fitting attached to the end of a 6-foot length of 3/64" (1.2 mm) cable intended for hanging lightweight panels and signs up to 1/4" (6 mm) thick.

In stall at ion

Drill a 1/8" (4 mm) hole 11/32"(9 mm) away from the top edge of panel. Align A016 with the hole and set in place with the two washers, clevis screw, and nut (all provided).







AR1

Cable Size

3/64" 1.2 mm

Maximum Weight

3/64": 40 lbs 18 kg

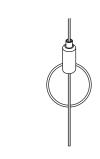
Function midway: ring

Description

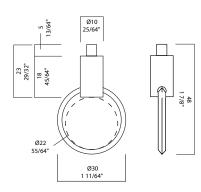
AR1 is a ring piece useful for clothing hangers or other hooks, as well as banners and flags.

Installation

Insert cable and adjust accordingly.







The AF3 is shown hanging children's artwork It is one of the most versatile and popular art hanging hooks in the Arakawa catalog.



In most cases (see below), the art hanging hook you use will not be visible since it connects to a wire or d-ring on the back of the artwork.



AF3 and AF3P

Cable Size

3/64" 1.2 mm

Maximum Weight

18 kg

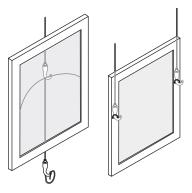
Function midway: hook

Description

AF3 is our most popular hook for hanging framed art materials, and a small hole in the hook provides a place for excess cable to hide behind the artwork. AF3P differs from AF3 in that it includes a small clasp--closing off an otherwise open hook--excellent in seismically active areas or for an extra security measure. Both AF3 and AF3P have a chrome finish.

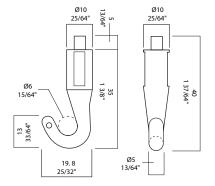
Installation

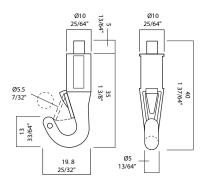
Attach AF3/AF3P to the cable and connect to the D-ring or wire on the back of the frame. Once hook is in the desired position along the cable, loop the cable through the hole.











AF3P116SS

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

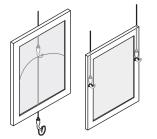
Function midway: hook

Description

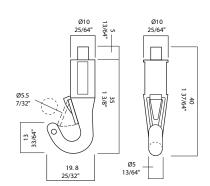
AF3P116SS is a popular hook used for hanging framed artwork. AF3P116SS is nearly identical to AF3P except it has a stainless steel finish and also works with 1/16" (1.5 mm) cable.

Installation

Attach AF3P116SS to the cable and connect to the D-ring or wire on the back of the frame, then secure with clasp. Once hook is in the desired position along the cable, loop the cable through the hole.







AD1

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

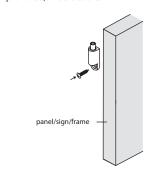
Function

vertical panels/signs and midway: frames (not for glass)

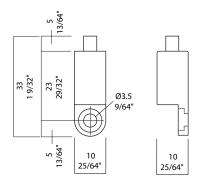
Description AD1 is designed to be attached directly to frames, signs or similar and can be installed either on the outside edges or on the back of the item to be suspended.

Installation

Screw AD1 to vertical panel/sign/ frame with a #4 pan head screw (not provided). Insert cable.







B5R31LSET

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

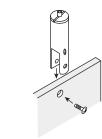
midway: vertical panels/signs (not for glass)

Description

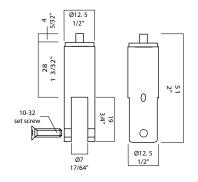
B5R31LSET is intended for hanging panels, signs, and similar up to 1/4" (6 mm) thick.

Installation

Drill a 7/32" (5.5 mm) hole 7/16" (11.3 mm) away from the top edge of panel. Align B5R31LSET with the hole and set in place with provided hex head screw. For cable adjustability, use side exit.







Includes one (1) 3/32" (3 mm) Allen key.

Standard Gripper Installation

- 1. To install, insert cable through pin into gripper.
- To remove, press and hold pin and pull out cable completely.

With the standard gripper, the pin should point down when fastened at the ceiling and point upward when suspended as a midway gripper.





Safety Cap Gripper Installation

 Unscrew (but do not remove) the safety cap.

- Insert the cable fully into the gripper.
- 3. Screw the cap down tightly.
- 4. To adjust or remove, loosen the cap.

Safety cap grippers are useful in high traffic areas because the lock prevents unintentional movement.









BRB1 and BRB2

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 40 lbs 18 kg 1/16": 65 lbs 30 kg

Function

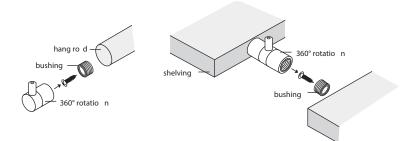
midway: horizontal and angled shelving, vertical panels/signs, and hang rods (not for glass)

Description

BRB1/BRB2 grippers are ideal for lightweight shelving or hang rods. The 360-degree rotation allows this hardware to be used for horizontal, angled, and vertical installations. Use BRB2 for joining together two shelves or hang rods that share a cable.

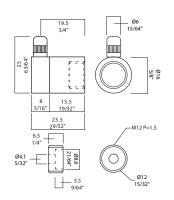
Installation

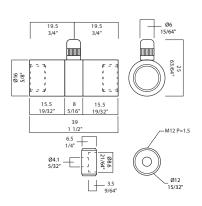
Remove bushing(s) from BRB1/BRB2 by holding bushing(s) firmly in place while rotating the BRB1/BRB2 body clockwise, then attach bushing(s) to shelf, panel, or hang rod with a #12 screw (not provided). Thread BRB1/BRB2 back onto bushing. Loosen safety cap almost completely, attach to suspended cable, then position gripper as desired. Tighten safety cap.











BRG1 and BRG2

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 40 lbs 18 kg 1/16": 65 lbs 30 kg

Function

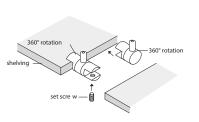
midway: horizontal and angled shelving, vertical panels/signs (not for vertical glass panels/signs)

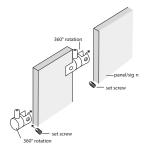
Description

BRG1/BRG2 rotating grippers are designed to hold horizontal and angled shelving and vertical panels/signs. Shelving and panels/signs are held in place by a plastic-tipped set screw. Use BRG2 for joining together two shelves or panels/signs that share a cable. BRG1/BRG2 grippers may be used for horizontal glass shelving, but not for vertical glass installations. Maximum shelf/panel/sign thickness is 17/64" (7 mm).

Installation

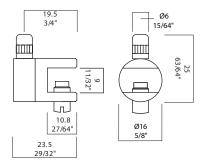
Attach BRG1/BRG2 to panel/sign or shelving with provided plastic-tipped set screw as shown, which can be adjusted by using a flat head screwdriver. Loosen safety cap almost completely and then insert cable. The clear pad (included, Arakawa part FRGP) should be inserted between gripper and panel/sign/shelving opposite the set screw. Position gripper and tighten safety cap. Retighten set screws regularly to ensure proper support.

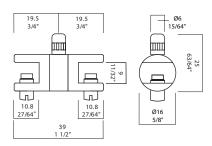












*One (1) clear plastic pad (Arakawa part FRGP), which is to be placed opposite of the set screw during installation, is included with BRG1. Two (2) clear plastic pads (Arakawa part FRGP) are included with BRG2.

BRG1/BRG2 are rotating grippers that are perfect for hanging signage, unframed artwork (shown below), lightweight plexiglass, and metal shelving.



BRG2 joins two panels together that share a single cable, as shown in the unframed art <u>installation</u> below.



BRT1 is a rotating gripper intended for lightweight vertical applications, and must be attached at both the top and bottom, allowing the cable to hide behind the piece.





BRT1

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

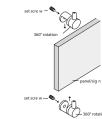
Function

midway: vertical panels/signs

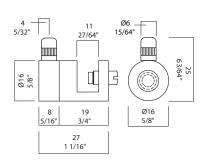
Description
BRT1 is a rotating gripper intended for use with lightweight vertical panels/signs. Maximum panel/sign thickness is 3/8" (9.5 mm).

Installation

Attach BRT1 to both the top and bottom edges of panel/sign as shown and secure with provided set screws. Loosen safety cap almost completely and then attach to suspended cable. Position gripper and tighten safety cap. Retighten set screws regularly to ensure proper support.







*Includes one (1) clear plastic pad (Arakawa part FRGP) to be placed opposite of the set screw during installation.

BS16SET

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 18 kg 1/16": 65 lbs 30 kg

Function

midway: hang rod/pipe, horizontal shelving (not for glass)

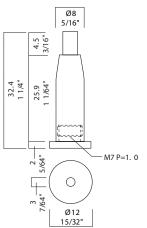
Description BS16SET is lightweight gripper ideally suited for hang rods/pipes up to 5/8" (15.5 mm) diameter and can also be used to support shelving up to 1/2" (12.5 mm) thick.

Installation

Drill a 11/32" (9 mm) hole in hang rod/pipe or shelving, insert BS16SET from underneath, then insert cable.







BS20RKS

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 40 lbs 18 kg 1/16": 65 lbs 30 kg

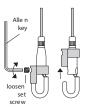
Function midway: hook

Description

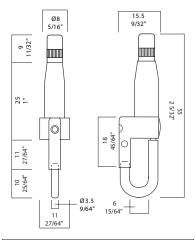
BS20RKS is a hook with a locking closure for more secure installations and is ideal for high traffic areas.

Installation

Loosen safety cap almost completely and insert cable. Loosen set screw as shown below with provided Allen key, slide locking bracket up, then attach BS20RKS to D-ring or wire on back of frame/artwork. Slide locking bracket back down and retighten set screw. Retighten safety cap to prevent unintentional movement.







Includes one (1) 5/64" (2 mm) Allen key.

BS20RPS

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 40 lbs 18 kg 1/16": 65 lbs 30 kg

Function midway: hook

Description

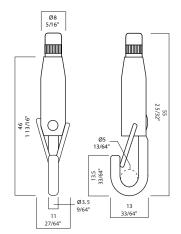
BS20RPS is a hook that includes a small clasp--closing off an otherwise open hook-excellent in seismically active areas or for an extra security measure.

Installation

Loosen safety cap almost completely and insert cable. Connect BS20RPS to D-ring or wire on the back of frame/ artwork, then secure with clasp. Retighten safety cap to prevent unintentional movement.







BS21

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 40 lbs 18 kg 1/16": 65 lbs 30 kg

Function midway: ring

Description

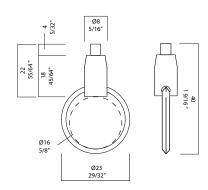
AR1 is a ring piece useful for clothing hangers or other hooks, as well as banners and flags.

Installation

Insert cable and adjust accordingly.

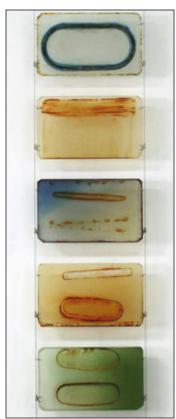






Artist Carrie McGee utilizes the BS30 to hang many different shapes and sizes of her resin artwork. The gripper body swivels on the base a full 180 degrees and allows for numerous attachment options. Photo: Courtesy of Carrie McGee, www.carriemcgee.com





BS30

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

midway: vertical or angled panels/ signs

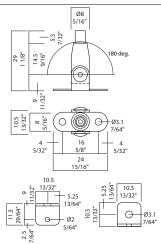
Description BS30 is a lightweight gripper suitable for applications where vertical or angled cable is desired. The gripper body swivels on its base a full 180 degrees.

In stall at ion

Installation
Attach BS30 to desired surface with
two #4 pan head screws and attach
L-bracket with one #4 pan head
screw (screws not provided). Install
L-bracket to guide cable, then insert
cable though L-bracket and gripper.







BS31

Cable Size 3/64" - 1/16" 1.2 - 1.5 mm

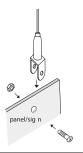
Maximum Weight 3/64": 40 lbs. 18 kg 1/16": 65 lbs. 30 kg

midway: vertical panels/signs (not for glass)

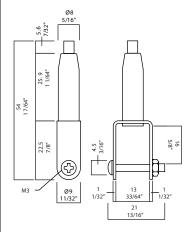
Description BS31 is a clevis fitting for hanging panels, signs, and similar up to 1/2" (12.5 mm) thick.

Installation

Drill a 1/8" (3 mm) hole 5/8" (15.3 mm) away from the top edge of panel/sign. Align BS31 with the hole and set in place with provided clevis screw and nut.







BS35SET

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

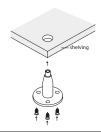
midway: horizontal shelving (not for glass)

Description

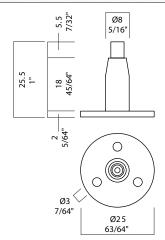
BS35SET is a lightweight gripper that is ideally suited for horizontal shelving up to 1/2" (12.5 mm) thick.

In stall at ion

Drill a 11/32" (9 mm) hole into BS35SET shelving, insert from underneath, then insert cable. As an alternative, attach BS35SET to the top of shelving with three #4 pan head screws (not included), then insert cable.







BS35RSET

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

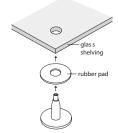
midway: horizontal shelving

Description

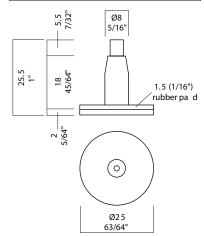
BS35RSET is a lightweight gripper with a rubber pad that is especially suited for horizontal glass shelving up to 1/2" (12.5 mm) thick.

Installation

Drill a 11/32" (9 mm) hole into shelving, insert BS35RSET from provided underneath with the rubber pad serving as between shelving and a buffer BS35RSET, then insert cable.







BS60SET

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 18 kg 1/16": 65 lbs 30 kg

Function

midway: horizontal shelving, vertical panels/signs (not for glass)

Description

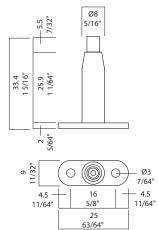
BS60SET is lightweight gripper a that is ideally suited for horizontal shelving and vertical panels/signs made of wood.

Installation

Attach BS60SET to shelving or panel/ sign with two #4 pan head screws (not included). Insert cable.







BSVL1 and BSVR1

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 40 lbs 18 kg 1/16": 65 lbs 30 kg

Function

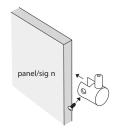
midway: vertical panels/signs (not for glass)

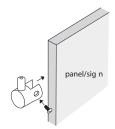
Description

BSVL1 and BSVR1 are intended for use with lightweight non-glass vertical panels/signs. Maximum panel/sign thickness is 3/8" (9.5 mm).

Installation

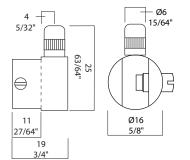
Attach BSVL1 or BSVR1 to panel/sign with the set screw to the back of the panel/sign for a visually cleaner installation. Loosen safety caps almost completely and then attach gripper to a suspended cable. The clear pad (included, Arakawa part FRGP) should be inserted between gripper and panel/sign opposite the set screw. Position gripper and tighten safety cap. Retighten set screws regularly to ensure proper support.

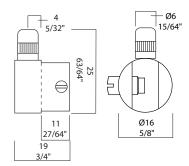












*One (1) clear plastic pad (Arakawa part FRGP), which is to be placed opposite of the set screw during installation, is included with each BSVL1/BSVR1.

BSVL1 and BSVR1 grippers are perfect for schools, libraries, and offices that showcase the work of students and local artists. Position the set screw to the back (facing wall) for a visually cleaner installation.



CRA1

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function

midway: vertical panel/sign holder

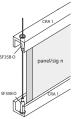
Description CRA is an aluminum rail capable of supporting heavier vertical panels/ signs up to 1/2" (12.5 mm) thick intended for use with SF35BO. Maximum CRA1 length is 3 feet.

Installation

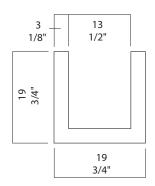
Installation

Drill 15/32" (12 mm) holes into CRA1

rail, insert SF35BO facing downward in the top holder and facing upward in the bottom holder as shown below, then insert cable. Place panel/sign into the bottom holder and move the top CRA1 downward to secure panel/sign in place. to secure panel/sign in place.







*CRA1 does not include SF35BO or cable.

HR1

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function midway: hang rod

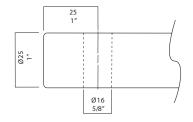
Description HR1 is a 1" (25 mm) diameter stainless steel hang rod with predrilled holes to fit SF35BO and is available in custom lengths; end caps (HREC-SS) may be purchased separately.

Installation

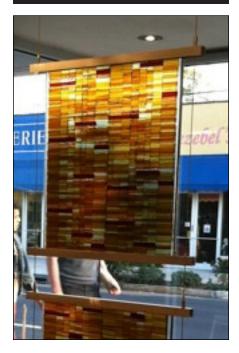
Insert SF35BO through HR1 from underneath. then insert cable. Position as desired.







CRA1 is ideally suited for supporting heavier vertical panels/signs without for drilling into or otherwise altering the suspended piece.



HR1 is a sleek simple hang rod that blends with all types of retail fixture styles.



*HR1 does not include SF35BO, cable, or stainless-steel-finished end caps (Arakawa part HREC-SS).

FMB1S and FMB2S

Cable Size 1/16" ONLY

Maximum Weight

1/16": 65 lbs 30 kg

Function

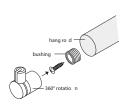
midway: hang rod/pipe; angled, horizontal, and vertical panels/signs and shelving (not for glass)

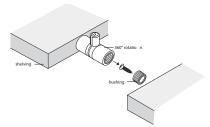
Description

FMB1S/FMB2S rotating in-line grippers are versatile holders for panels/signs, shelves, and hang rods/pipes. The 360-degree rotation allows this hardware to be used for horizontal, angled, and vertical installations, and the in-line function allows the gripper and any attached feature to be installed on or removed from a tensioned cable at a single point rather than having to remove the gripper (and any attachment) from the ends of the cable.

Installation

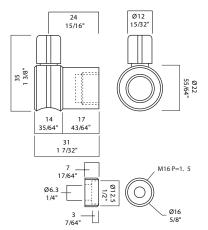
Remove bushing(s) from FMB1S/FMB2S by holding bushing(s) firmly in place while rotating FMB1S/FMB2S body clockwise, then attach bushing(s) to shelf, panel/sign, or hang rod/pipe with a #10 to #14 screw (depending on thickness of shelf or rod and weight supported, not provided). Thread FMB1S/FMB2S back onto bushing(s). Loosen safety cap almost completely. Align slots on gripper body and safety cap, press and hold safety cap down, slide FMB1S/FMB2S onto suspended cable, then position as desired. Turn and tighten safety cap in place to secure.

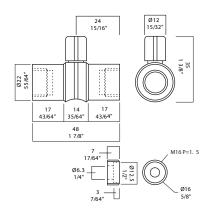












In-line Gripper Installation

- Unscrew (but do not remove) the safety cap.
- Align slots on gripper body and safety cap.
- Press and hold safety cap down and slide gripper onto preinstalled suspended cable.
- 4. Screw the cap down tightly.

In-line grippers are ideally suited for adding fixtures (i.e., panels/shelving, hang rods) to an existing display without having to disassemble the entire existing installation.



FMG1S and FMG2S

Cable Size 1/16" ONLY

Maximum Weight

30 kg

Function

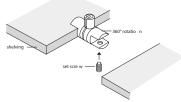
midway: horizontal and angled shelving, vertical panels/signs (not for vertical glass panels/signs)

Description

SHG15/FMG2S rotating in-line grippers are designed to hold horizontal and angled shelving and vertical panels/signs. The in-line function allows the gripper and any attached feature to be installed on or removed from a tensioned cable at a single point rather than having to remove the gripper (and any attachment) from the ends of the cable. Maximum shelf/panel/sign thickness is 3/8" (9.5 mm).

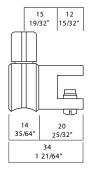
Attach FMG1S/FMG2S to panel or shelving with provided plastic-tipped set screw as shown, which can be adjusted by using a flat head screwdriver. Loosen safety cap almost completely. Align slots on gripper body and safety cap, press and hold safety cap down, slide FMG1S/FMG2S onto suspended cable, then position as desired. The clear pad (included, Arakawa part FRGP) should be inserted between gripper and panel/sign opposite the set screw. Turn and tighten safety cap in place to secure. Retighten set screws regularly to ensure proper support.

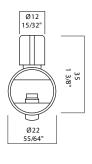


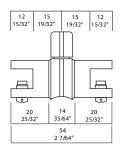


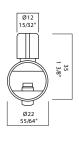












*One (1) clear plastic pad (Arakawa part FRGP), which is to be placed opposite of the set screw during installation, is included with FMG1S. Two (2) clear plastic pads (Arakawa part FRGP) are included with FMG2S.

FRB1SS and FRB2SS

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

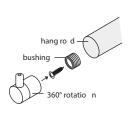
Function

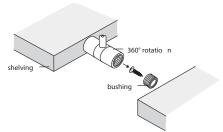
midway: horizontal and angled shelving, vertical panels/signs, and hang rods (not for glass)

Description FRB1SS/FRB2SS are versatile grippers ideal for shelving or hang rods. The 360-degree rotation allows this hardware to be used for horizontal, angled, and vertical installations. Use FRB2SS for joining together two shelves or hang rods that share a cable.

Installation

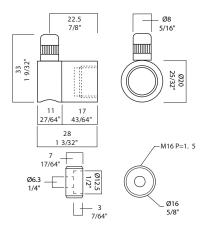
Remove bushing(s) from FRB1SS/FRB2SS by holding bushing(s) firmly in place while rotating the FRB1SS/FRB2SS body clockwise, then attach bushing(s) to shelf, panel, or hang rod with a #10 to #14 screw (depending on thickness of shelf or rod and weight supported, not provided). Thread FRB1SS/FRB2SS back onto bushing. Loosen safety cap almost completely, attach to suspended cable, then position gripper as desired. Tighten safety cap.

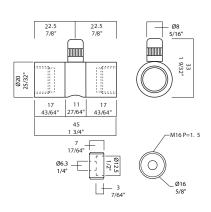












FRB grippers have rotating bodies that allow for horizontal, vertical, or even angled installations.







FRG1SS and FRG2SS

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

65 lbs 30 kg 3/32": 155 lbs 70 kg

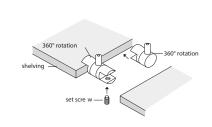
Function

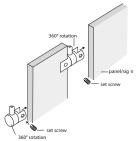
midway: horizontal and angled shelving, vertical panels/signs (not for vertical glass panels/signs)

Description

FRG1SS/FRG2SS rotating grippers are designed to hold horizontal and angled shelving and vertical panels/signs. Shelving and panels/signs are held in place by a plastic-tipped set screw. Use FRG2SS for joining together two shelves or panels/signs that share a cable. FRG1SS/FRG2SS grippers may be used for horizontal glass shelving, but not for vertical glass installations. Maximum shelf/panel/sign thickness is 3/8" (9.5 mm).

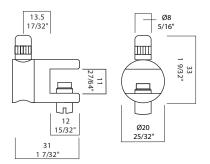
Attach FRG1SS/FRG2SS to panel/sign or shelving with provided plastic-tipped set screw as shown, which can be adjusted by using a flat head screwdriver. Loosen safety cap almost completely and then insert cable. The clear pad (included, Arakawa part FRGP) should be inserted between gripper and panel/sign/shelving opposite the set screw. Retighten set screws regularly to ensure proper support.

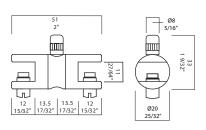












*One (1) clear plastic pad (Arakawa part FRGP), which is to be placed opposite of the set screw during installation, is included with FRG1SS. Two (2) clear plastic pads (Arakawa part FRGP) are included with FRG2SS.

FRG1SS can grip non-glass horizontal shelves vertical panels up to 3/8" thick to create custom displays that work best for your space.





FRP1S

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

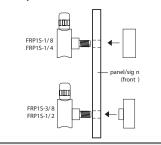
65 lbs 30 kg 3/32": 155 lbs 70 kg

Function midway: vertical panels/signs (not for glass)

Description FRP1S is a double-puck piece with a brushed steel finish for vertical panels/signs, available in four sizes to support panel/sign widths between 1/8" and 1/2" (3 mm and 12.5 mm).

In stall at ion

Drill 3/8" (9.5 mm) hole into panel/ sign. Unscrew puck piece from gripper body, pass exposed bolt through panel/sign, and reattach puck piece to secure. Insert cable and adjust FRP1S as desired.

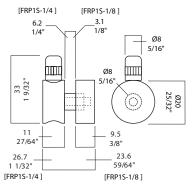


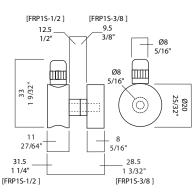


FRP1S is a clean-finished puck piece that is great for hanging non-glass panels when using a gripper or clevis is not preferred. FRP1 is available in four sizes to accommodate a range of panel thicknesses.



FRP1S-1/8 FRP1S-1/4 FRP1S-3/8 FRP1S-1/2







FSG1S is the perfect economic alternative for horizontal shelving installations that do not require angled or vertical applications.



By selecting the appropriate cable size and ceiling and floor attachments, FSG1S can support horizontal shelving that can hold a large amount of product for retail or in-home applications.





FSG1

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

1/16": 3/32": 30 kg 155 lbs 70 kg

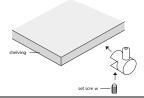
Function

midway: horizontal shelving

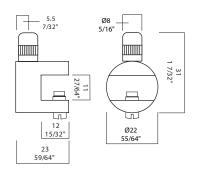
Description FSG1 is an economical alternative for horizontal shelving installations and suitable for glass. Maximum shelving thickness is 3/8" (9.5 mm).

Installation

Attach to horizontal shelving with provided set screw. Loosen safety cap almost completely and then insert cable. The clear pad (included, Arakawa part FRGP) should be inserted between gripper and shelving opposite the set screw. Position gripper and tighten safety cap. Retighten set screws regularly to ensure proper support.







*Includes one (1) clear plastic pad (Arakawa part FRGP) to be placed opposite of the set screw during installation.

SF16SET

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function

midway: hang rod/pipe, horizontal shelving (not for glass)

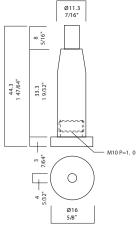
Description
SF16SET is ideally suited for hang rods/pipes up to 1 1/4" (32 mm) diameter and can also be used to support shelving up to 1" (25 mm) thick.

Installation

Drill a 15/32" (12 mm) hole in hang rod/pipe or shelving, insert SF16SET from underneath, then insert cable.







SF20RKS

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

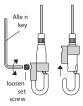
Function midway: hook

Description

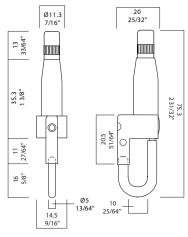
SF20RKS is a hook with a locking closure for more secure installations and is ideal for high traffic areas.

Installation

Loosen safety cap almost completely and insert cable. Loosen set screw as shown below with provided Allen key, slide locking bracket up, then attach SF20RKS to D-ring or wire on back of frame/artwork. Slide locking bracket back down and reticated bracket back down and retighten set screw. Retighten safety cap to prevent unintentional movement.







Includes one (1) 3/32" (2.5 mm) Allen key.

SF20RPS

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function midway: hook

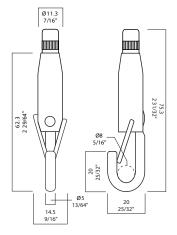
Description SF20RPS is a hook that includes a small clasp--closing off an otherwise open hook--excellent in seismically active areas or for an extra security

measure. Installation

Loosen safety cap almost completely and insert cable. Connect SF20RPS to D-ring or wire on the back of frame/ artwork, then secure with clasp. Retighten safety cap to prevent unintentional movement.







SF21

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

65 lbs 30 kg 3/32": 155 lbs 70 kg

Function midway: ring

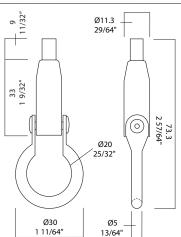
Description

SF21 is a ring piece useful for clothing hangers or other hooks; the ring does

Installation Insert cable and adjust accordingly.







SF30SET

Cable Size

1.5 mm - 2.5 mm 1/16" - 3/32"

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function

midway: vertical or angled panels/ signs

Description

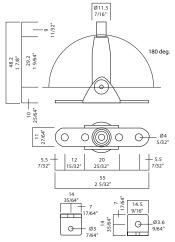
SF30SET is suitable for applications where vertical or angled cable is desired. The gripper body swivels on its base a full 180 degrees.

Installation

Attach SF30SET to desired surface with two #4 pan head screws and attach L-bracket with one #4 pan head screw (screws not provided). Install L-bracket to guide cable, then insert cable though L-bracket and gripper.







SF30SET can also be attached to framed and signs behind applications where the hardware is preferred to remain out of sight.





SF31SLSET

Cable Size 1/16" - 3/32"

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

1/16": 65 lbs 30 kg 3/32": 155 lbs 70 kg

Function

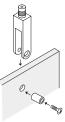
midway: sign fitting for glass, plexiglass, wood, metal, etc.

Description

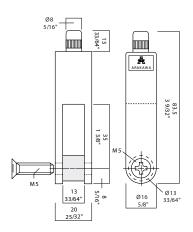
panels, signs, and similar up to 1/2" (12.5 mm) thick, and is ideally suited for vertical glass panels/signs.

In stall at ion

Drill a 9/16" (14.5 mm) hole 1 1/4" (32 mm) away from the top edge of panel. Unscrew provided M4 screw, align SF315LSET with the hole, and set in place with M4 screw. Loosen safety cap almost completely, insert cable, then retighten safety cap to prevent unintentional movement.







Artist Jonathan Swanz used SF31SLSET in the glass partition wall art installation shown below.



SF31SLSET can be used on the top and bottom of panels as long as the cable is pulled taut with either the weight of the panel (if not connecting to the floor) or with tensioners, such as SF23CSET, as shown in this installation.



SF31SSET

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

1/16": 65 lbs 30 kg 3/32": 155 lbs 70 kg

Function

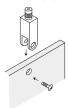
midway: sign fitting for plexiglass, wood, metal, etc. (not for glass)

Description

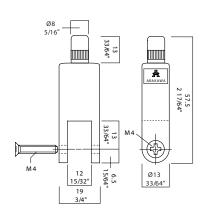
SF31SSET is intended for hanging panels, signs, and similar up to 3/8" (9.5 mm) thick.

Installation

Drill a 3/16" (4.5 mm) hole between 3/8" and 1/2" (9.5 and 12.5 mm) away from the top edge of panel. Unscrew provided M4 screw, align SF31SSET with the hole, and set in place with M4 screw. Loosen safety cap almost completely, insert cable, then retighten safety cap to prevent unintentional movement.







SF35BO

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

65 lbs 30 kg 3/32": 155 lbs 70 kg

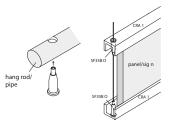
Function

midway: hang rod/pipe, vertical panel/sign holder

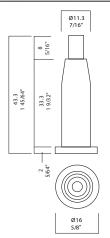
Description SF35BO is ideally suited for hang rods/pipes up to 1 1/4" (32 mm) diameter and can also be used with vertical panel/sign holders (Arakawa part CRA1).

In stall at ion

Drill a 15/32" (12 mm) hole in hang rod/pipe, insert SF35BO from underneath, then insert cable. For vertical panel/sign holders, insert SF35BO facing downward in the top holder and facing upward in the bottom holder as shown below, then insert cable.







For greater detail vertical panel/sign on Arakawa holders, please page 40.

SF35RSET

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function

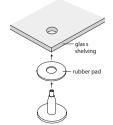
midway: horizontal shelving

Description

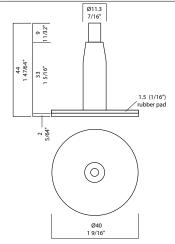
SF35RSET is a gripper with a circular mounting plate and a rubber pad that is especially suited for horizontal glass shelving up to 1" (25 mm) thick.

Installation

Drill a 1/2" (12.5 mm) hole into shelving at least 1" (25 mm) from shelving edge, insert SF35RSET from underneath with the provided edge, insert rubber pad serving as a buffer between shelving and SF35RSET, then insert cable.







SF35SET

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function

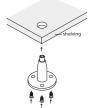
midway: horizontal shelving (not for glass)

Description

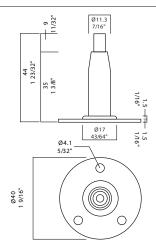
SF35SET is a gripper with a circular mounting plate that is ideally suited for horizontal shelving up to 1" (25 mm) thick.

Installation

Drill a 1/2" (12.5 mm) hole into shelving at least 1" (25 mm) from shelving edge, insert SF35SET from underneath, then insert cable. As an alternative, attack SE5SET, to the alternative, attach SF35SET to the top of shelving with three #8 pan head screws (not included), then insert cable.







SF60SET

Cable Size 1/16" - 3/32"

1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

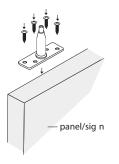
Function

midway: horizontal shelving, vertical panels/signs (not for glass)

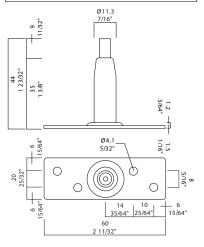
Description SF60SET is gripper with a rectangular mounting plate that is ideally suited for horizontal shelving and vertical panels/signs made of wood.

Installation

Attach SF60SET to shelving or panel/ sign with four #8 pan head screws (not included). Insert cable.







MF16S

Cable Size

3.0 mm

Maximum Weight

220 lbs 100 kg

Function

midway: hang rod/pipe, horizontal shelving (not for glass)

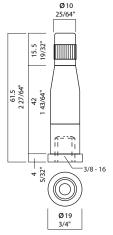
Description MF16S is a low-profile gripper with a safety cap ideally suited for hang rods/pipes up to 1 5/8" (41 mm) diameter and can be used to support shelving up to 1" (25 mm) thick.

Installation

Drill a 5/8" (15.5 mm) hole into hang rod/pipe or shelving, insert MF165 from underneath, loosen safety cap, and then insert cable. Retighten safety cap to prevent unintentional







MF20S

Cable Size

3.0 mm

Maximum Weight

220 lbs 100 kg

Function

midway: hook

Description

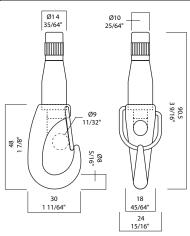
MF20S is a gripper with a safety cap and a clasp suitable for hanging heavier artwork; the body can rotate 360 degrees independently from the hook component.

Installation

Loosen safety cap almost completely and insert cable. Connect MF20S to D-ring or wire on the back of frame/ artwork, then secure with clasp. Retighten safety cap to prevent unintentional movement.







MF21S

Cable Size

1/8" 3.0 mm

Maximum Weight

/8": 220 lbs 100 kg

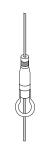
Function midway: ring

Description

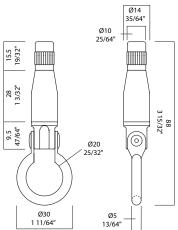
MF21S has a gripper body with a ring attached at the end, ideally suited for banners, flags, clothes hangers, and the like.

Installation

Loosen safety cap almost completely, insert cable, and adjust as desired. Retighten safety cap to prevent unintentional movement.







MF30S

Cable Size

1/8" 3.0 mm

Maximum Weight

/8": 220 lbs 100 kg

Function

midway: vertical or angled panels/signs

Description

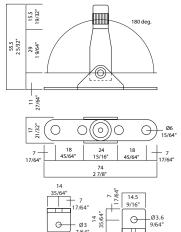
MF30S is suitable for applications where vertical or angled cable is desired. The gripper body swivels on its base a full 180 degrees.

Installation

Attach MF30S to desired surface with four #12 pan head screws and attach L-bracket with one #12 pan head screw (screws not provided). Attach L-bracket to guide cable. Loosen safety cap almost completely, then insert cable though L-bracket and gripper. Retighten safety cap to prevent unintentional movement.







MF31S

Cable Size

1/8" 3.0 mm

Maximum Weight

1/8": 220 lbs 100 kg

Function

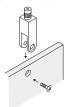
midway: sign fitting for plexiglass, wood, metal, etc. (not for glass)

Description

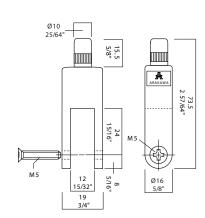
MF31S is intended for hanging panels, signs, and similar up to 7/16" (12 mm) thick.

Installation

Drill a 1/4" (6.5 mm) hole between 3/8" and 3/4" (9.5 and 19 mm) away from the top edge of panel. Unscrew provided M5 screw, align MF31S with the hole, and set in place with M5 screw. Loosen safety cap almost completely, insert cable, then retighten safety cap to prevent unintentional movement.







MF35S

Cable Size

1/8" 3.0 mm

Maximum Weight

100 kg

Function

midway: horizontal shelving (not for alass)

Description

MF35S is a heavy-weight gripper with a safety cap and a circular mounting plate that can be used as support for horizontal shelving up to 1" (25 mm) thick.

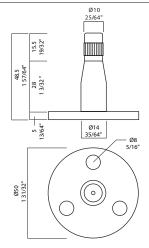
In stall at ion

Installation

Drill a 5/8" (15.5 mm) hole into shelving at least 1 1/4" (32 mm) from shelving edge, insert MF35S from underneath, loosen safety cap, and then insert cable. Retighten safety cap to prevent unintentional movement. As an alternative, attach MF35S to the top of shelving with three 1/4" (6.5 mm) pan head screws (not included), loosen safety cap, insert cable, retighten safety cap.







MF35SR

Cable Size

3.0 mm

Maximum Weight

220 lbs 100 kg

Function

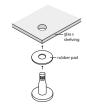
midway: horizontal shelving

Description

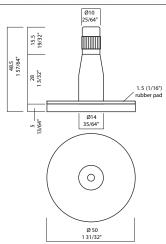
MF35SR is a heavy-weight gripper with a safety cap and a circular mounting plate and a rubber pad that is especially suited for horizontal glass shelving up to 1" (25 mm) thick.

Installation

Drill a 5/8" (15.5 mm) hole into shelving at least 1 1/4" (32 mm) from shelving edge, insert MF35S from underneath with the provided rubber pad serving as a buffer between shelving and MF355R. Loosen safety cap, insert cable, then retighten safety cap to prevent unintentional movement.







VF20S

Cable Size

5/32" 4.0 mm

Maximum Weight

180 kg

Function

midway: hook

Description

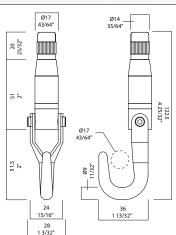
VF20S is a hook with a safety cap ideally suited for hanging the heaviest frames/artworks; the body can rotate 360 degrees independently from the hook component.

Installation

Loosen safety cap almost completely and insert cable. Connect VF20S to D-ring or wire on the back of frame/artwork. Retighten safety cap to prevent unintentional movement.













Floor Attachments and Tensioners





The products listed in this section are designed to provide additional stability for your installation by tensioning cables and minimizing movement. Choose the appropriate floor attachment or tensioner based on floor (or wall) material, weight of installation, and whether the installation is intended to be permanent or mobile.







How's It Hanging? Floor Attachment/Tensioner Options								
Cable Size Maximum Weight	3/64" 40 lbs 18 kg	3/64" - 1/16" 40 lbs - 65 lbs 18 kg - 30 kg	1/16" - 3/32" 65 lbs - 155 lbs 30 kg - 70 kg	1/8" 220 lbs 100 kg	5/32" 396 lbs 180 kg			
Stationary Attachments Floor								
Concrete		BS23BSET	SF23BSET	MF23BSET				
		BS23CSET	SF23CSET	MF23CSET				
Wood		BS23BSET	SF23BSET	MF23BSET				
		BS23CSET	SF23CSET	MF23CSET				
Tile		BS23BSET	SF23BSET	MF23BSET				
		BS23CSET	SF23CSET	MF23CSET				
Sheetrock®,			Wall					
Drywall, Gypsum Board, Concrete, Wood			TF32+T					
		Mobile Fl	oor Attachments					
All Surfaces		EW2						
		EW3						
		EW4						
		Cable-to-	Cable Tensioners					
Cable-to-Cable		BS25TB						

BS23BSET and BS23CSET

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 40 lbs 18 kg 1/16": 65 lbs 30 kg

Function

floor tensioner: concrete, wood, tile

Description

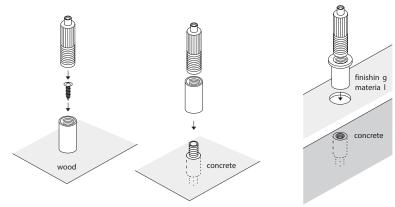
BS23BSET and BS23CSET are floor tensioners the allow both surface-mounted (BS23BSET) and countersunk (BS23CSET) installations into any type of flooring (e.g., concrete, wood, tile). These tensioners are comprised of the BS23BO gripper and respective base sockets (Arakawa part B23B for BS23BSET, Arakawa part B23C for BS23CSET) and are intended to tension cables and minimize movement of permanent installations.

BS23BSET Installation

For wood and tile surfaces, mount base socket (B23B) to flooring with #12 pan head screw (not provided); for concrete surfaces, mount base socket with a M8 concrete expansion anchor and M8 bolt or a 3/16" (4.5 mm) Tapcon® or similar concrete screw. Thread B523BO into base socket two turns, insert cable, then turn B523BO down by hand to tension cable.

BS23CSET Installation

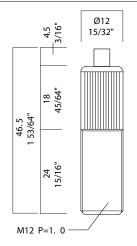
For countersunk concrete applications, drill 5/8" (16 mm) hole 1-1/2" (39 mm) deep into concrete floor. Drill an additional hole within first hole to set M8 concrete expansion anchor (not provided) and secure base socket (B23C) to anchor with M8 button head bolt (not provided). Thread BS23BO into base socket two turns, insert cable, then turn BS23BO down by hand to tension cable.

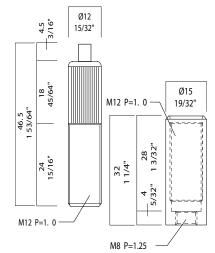


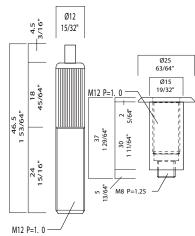












Our tensioners are versatile and can be attached to flooring, furniture, shelving, and countertops, as shown below.









BS25TB

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight 3/64": 1/16": 18 kg 30 kg 65 lbs

Function

tensioner: connecting two cables

Description BS25TB

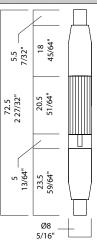
connects two together, used most often as an in-line tensioner with installations that include both top and bottom rails.

In stall at ion

Unscrew the tensioner body and insert cables from both sides. Screw the components back together to tension the cables. BS25TB has a side exit to adjust cable length during installation.







EW2, EW3 and EW4

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

65 lbs 30 kg 3/32": 155 lbs 70 kg

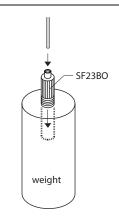
Function

floor tensioner: all horizontal surfaces

Description
EW2, EW3, and EW4 are floor tensioners suitable for all surfaces where permanent attachment to the floor is not desirable or possible. These tensioners include the SF23BO gripper and are available in three finishes: raw mild steel (EW2), chrome-plated (EW3), and powder-coated light gray (EW4). EW tensioners allow for quick and easy installation, repositioning, and removal, and have a weight of approximately 6.5 lbs (3 kg).

In stall at ion

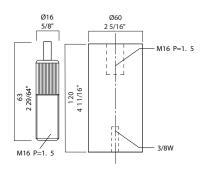
Position weight in the desired location. Thread SF23BO into weight two turns, insert cable, then turn SF23BO down by hand to tension cable, making sure not to overtighten and raise weight from floor surface. Lubricate threaded parts over time to ensure SF23BO continues to operate properly.

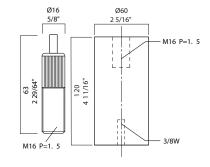


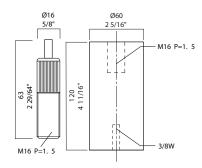












^{*}Raw mild steel may rust over time.

SF23BSET and SF23CSET

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

1/16": 65 lbs 30 kg 3/32": 155 lbs 70 kg

Function

floor tensioner: concrete, wood, tile

Description

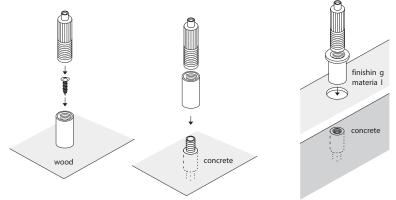
SF23BSET and SF23CSET are floor tensioners the allow both surface-mounted (SF23BSET) and countersunk (SF23CSET) installations into any type of flooring (e.g., concrete, wood, tile). These tensioners are comprised of the SF23BO gripper and respective base sockets (Arakawa part 23B for SF23BSET, Arakawa part 23C for SF23CSET) and are intended to tension cables and minimize movement of permanent installations.

SF23BSET Installation

For wood and tile surfaces, mount base socket (23B) to flooring with #12 pan head screw (not provided); for concrete surfaces, mount base socket with a 1/4-20 concrete expansion anchor and 1/4-20 bolt or a 3/16" (4.5 mm) Tapcon® or similar concrete screw. Thread SF23BO into base socket two turns, insert cable, then turn SF23BO down by hand to tension cable.

SF23CSET Installation

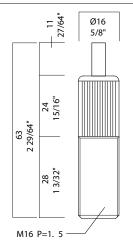
For countersunk concrete applications, drill 3/4" (19 mm) hole 1-3/8" (35 mm) deep into concrete floor. Drill an additional hole within first hole to set 1/4-20 concrete expansion anchor (not provided) and secure base socket (23C) to anchor with 1/4-20 button head bolt (not provided). Thread SF23BO into base socket two turns, insert cable, then turn SF23BO down by hand to tension cable.

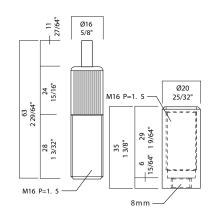


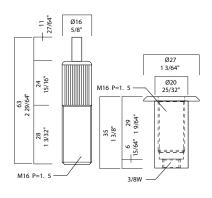












TF32+T

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

65 lbs 30 kg 3/32": 155 lbs 70 kg

Function

wall tensioner: concrete, Sheetrock®, drywall, gypsum board, wood

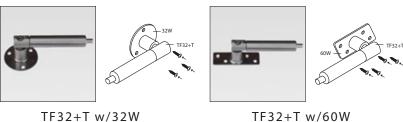
floor tensioner: concrete, wood

Description

TF32+T is bullet-shaped tensioner with a U-joint for installations at difficult angles. TF32+T has a side exit to adjust cable length during installation, and has a female thread so that it can be fastened to a 3/8-16 threaded stud or hanger bolt. TF32+T can also be combined with a 32W (round) or 60W (rectangular) mounting plate to attach tensioner to wooden walls and floors.

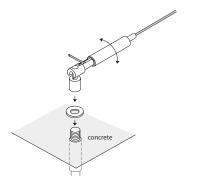
For concrete walls/floors, attach TF32+T to 3/8-16 anchor with all-thread stud (not included); for wood blocking, use a hanger bolt (not included).

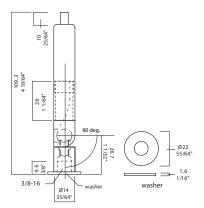
Another option is to use Arakawa 32W or 60W mounting plates (purchased separately) with #8 pan head screws (not included), as shown in the examples below.



TF32+T w/32W







TF32+T includes one (1) washer, as pictured above.

TF32+T was used as an angled floor tensioner to hang fabric panels as a room divider in this installation.





MF23BSET and MF23CSET

Cable Size

/8" 3.0 mm

Maximum Weight

1/8": 220 lbs 100 kg

Function

floor tensioner: concrete, wood, tile

Description

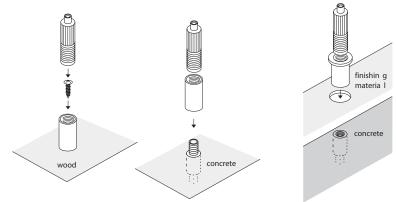
MF23BSET and MF23CSET are floor tensioners the allow both surface-mounted (MF23BSET) and countersunk (MF23CSET) installations into any type of flooring (e.g., concrete, wood, tile). These tensioners are comprised of the MF23BO gripper and respective base sockets (Arakawa part M23B for MF23BSET, Arakawa part M23C for MF23CSET) and are intended to tension cables and minimize movement of permanent installations.

MF23BSET Installation

For wood and tile surfaces, mount base socket (M23B) to flooring with #14 pan head screw (not provided); for concrete surfaces, mount base socket with a 3/8-16 concrete expansion anchor and 3/8-16 bolt or a 3/8" (9 mm) Tapcon® or similar concrete screw. Thread MF23BO into base socket two turns, insert cable, then turn MF23BO down by hand to tension cable.

MF23CSET Installation

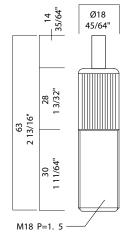
For countersunk concrete applications, drill 1" (25 mm) hole 1-1/2" (39 mm) deep into concrete floor. Drill an additional hole within first hole to set 3/8-16 concrete expansion anchor (not provided) and secure base socket (M23C) to anchor with 3/8-16 button head bolt (not provided). Thread MF23BO into base socket two turns, insert cable, then turn MF23BO down by hand to tension cable.

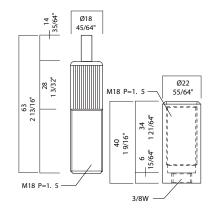


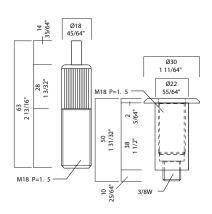


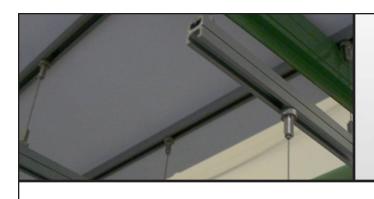














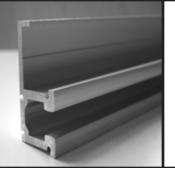


Railings



Our railing systems provide the ultimate arrangement, flexibility in terms of adjustability, Hanging style. art, and signs/panels, and shelving is quick and easy with endless possibilities. To determine which products are best suited for your application, review the guide on the immediately following pages and carefully choose the appropriate railing system to best suit your needs.















How's It Hanging? Railing Options									
Cable Size Maximum Weight	3/64" 40 lbs 18 kg	3/64" - 1/16" 40 lbs - 65 lbs 18 kg - 30 kg	1/16" - 3/32" 65 lbs - 155 lbs 30 kg - 70 kg	1/8" 220 lbs 100 kg	5/32" 396 lbs 180 kg				
	Rail System								
CRE (Wall-Mounted)									
CRE	CF1 CF1M								
	I	CRB/CRC	(Ceiling-Mounted)						
CRB/CRC		BS1R BS32RSET							
		CRB/CRC	(Wall-Mounted)						
CRB/CRC		BS32RSET MCD36R MCS6S							
	CRB/CRC (Floor-Mounted)								
CRB/CRC		BS32BRSET BS32DRSET							
		CRJ (V	Vall-Mounted)						
CRJ		CR1 CR1 CR2 CR5 CR6							
MH		MH* (Ceiling	MJ1B MJ1BJ MJ1C MJBC MS1BJ SF32TUR						

		How!	s It Hanging?					
How's It Hanging? Railing Options								
Cable Size Maximum Weight	3/64" 40 lbs 18 kg	3/64" - 1/16" 40 lbs - 65 lbs 18 kg - 30 kg	1/16" - 3/32" 65 lbs - 155 lbs 30 kg - 70 kg	1/8" 220 lbs 100 kg	5/32" 396 lbs 180 kg			
Rail System								
		MH (F	loor-Mounted)					
MH			TF32TUR					
MH-3 (Wall-Mounted)								
MH-3		VH2 (Ceiling	MJ1B MJ1BJ MJ1C MJBC MS1BJ SF32TUR - and Wall-Mounted)	M. conti	VJBC			
VH2			нла нлас Нзар	нл в узвс	ANDRE			
		VH4 (\	Wall-Mounted)					
VH4			HJ1D HJHD HS1D	VJ1D VJHD	VJ1D VJHD			
*Requires Arakawa part MH1LBSET bracket (purchased separately) for wall-mounted installations.								

CRE Rail

Cable Size

3/64" 1.2 mm

Maximum Weight

/64": 40 lbs 18 kg

Function

rail system: light-weight, wall-mounted

Description

CRE is a light-weight extruded aluminum rail with a clear anodized finish. CRE comes in lengths of 2 feet (CRE600-a), 3 feet (CRE900-a), and 6 feet (CRE1800-a), and is pre-drilled every 8 inches for ease of installation. The CRE package includes: the rail, off-white rail cover (which can be painted with a latex paint), #6 screws for mounting into wood framing, an alignment pin for connecting adjoining rails, and off-white end caps. CRE rail fittings (Arakawa parts CF1 and CF1M, purchased separately) attach at any location and can be moved horizontally along the rail.

Installation

Step 1

Determine and mark desired location of CRE rail(s); for best results, use a level. If you plan to run the track the full length of the wall, begin in the corner or the end of the wall. Mount CRE rail with a minimum 1/2" clearance from the ceiling (see drawing below) to allow space for cover to be placed over rail (see Step 3).

<u>Step 2</u>
Attach CRE to wall surface with provided screws (Figure 1). Mount to studs if possible; if mounting to cement or masonry, use appropriate anchors (not provided).

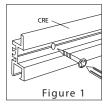
<u>Step 3</u>
Use provided alignment pins to connect adjoining rails (Figure 2). When using alignment pins, there will be about 1/8" gap between adjoining rails; to eliminate this gap, gently tap the opposite end of the CRE with a rubber mallet or similar, taking care not to damage rail.

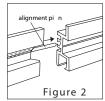
Step 4

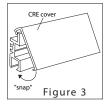
Fit the rail cover over CRE and press firmly until it snaps into place (Figure 3).

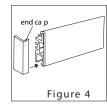
Step 5

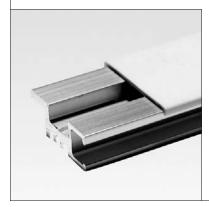
If desired, attach end caps to CRE (Figure 4). Once rail cover and/or end caps have been attached they can be painted with a latex paint.



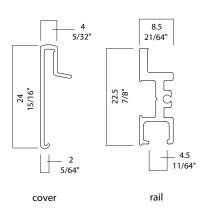


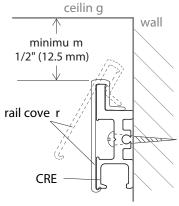














CF1 and CF1M

Cable Size

3/64" 1.2 mm

Maximum Weight

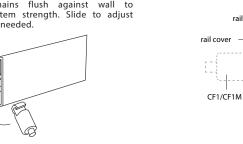
18 kg

Function rail fitting: CRE

Description
CF1 and CF1M are rail fittings for the CRE rail system. CF1 has an off-white finish to match the CRE rail cover, and the CF1M has a metallic finish to match the rail itself.

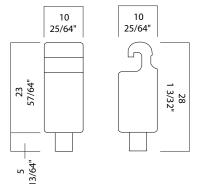
Installation Position CF1/CF1M at any desired location along the open U-channel at bottom of CRE rail, then snap gripper into place, making sure CF1/CF1M remains flush against wall to ensure system strength. Slide to adjust position as peeded

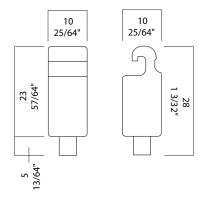
position as needed.











The CRE rail system is lightweight and easy to install, a perfect solution for residential applications.





CRB and CRC Rail

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

rail system: ceiling-mounted, floor-mounted, wall-mounted

Description

CRB/CRC are extruded aluminum rails with a clear anodized finish for both surface-mounted (CRB) and flush-mounted (CRC) applications. CRB/CRC comes in 6-foot lengths (CRB1800-a, CRC1800-a; CRB also comes in a 3-foot length [CRB900-a]) and offer the flexibility of ceiling- or wall-mounted installation; mounting CRB/CRC to the floor allows cables to be tensioned and thereby reducing normal cable sway. CRB/CRC rail fittings (Arakawa parts BS1R [ceiling], BS32RSET [ceiling and wall], MCD36R and MCD65 [wall], and BS23BRSET and BS23DRSET [floor], all purposed consenting the rail. purchased separately) attach at any location and can be moved in any direction along the rail.

Installation

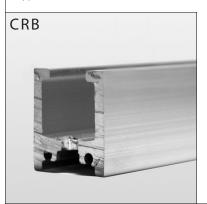
Step 1 (CRB/CRC)

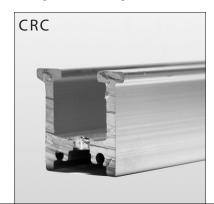
Determine and mark desired location of CRB/CRC rail(s); for best results, use a level. If you plan to run the track the full length of the ceiling/floor/wall, begin in the corner or the end of the ceiling/floor/wall.

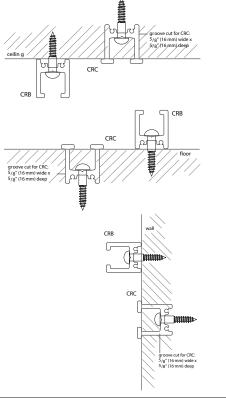
Drill 1/8" (3 mm) holes in CRB rail at marked locations and attach CRB to selected surface with #8 pan head screws (not provided) appropriate for structure material. Mount to studs if possible; if mounting to cement or masonry, use appropriate anchors (not provided). Step 2 (CRC)

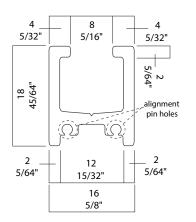
When installing CRC rail into existing sheetrock, cut a groove 5/8" (16 mm) wide by 5/8" deep; for new construction, a space 5/8" wide by 5/8" deep must be left between adjoining sheetrock sections. (CRC flanges are intended to cover minor imperfectionss that may occur during flush-mounted construction.) Drill 1/8" (3 mm) holes in CRC rail at marked locations and attach CRC to selected surface with appropriate #8 pan head screws and anchors (none provided). Mount to studs if possible. Step 3 (CRB/CRC)

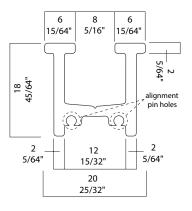
Use provided alignment pins to connect adjoining rails. When using alignment pins, there will be about 1/8" gap between adjoining rails; to eliminate this gap, gently tap the opposite end of CRB/CRC with a rubber mallet or similar, taking care not to damage rail.











CRB/CRC includes two (2) alignment pins (Arakawa part CREAP).

BS1R and BS32RSET

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

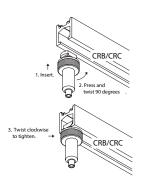
rail fitting: CRB/CRC

Description

BS1R and BS32RSET are rail fittings for the CRB/CRC rail system. BS1R is the standard gripper for hanging perpendicular cable from ceiling-mounted CRB/CRC. BS32RSET has a U-joint to allow angled cable applications from ceiling- and wall-mounted CRB/CRC and is especially suited for sloped/pitched ceilings.

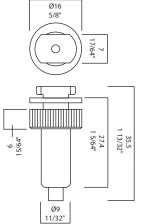
Installation

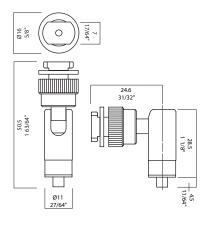
Installation
Position BS1R/BS32RSET at any desired location along the open U-channel of CRB/CRC rail, push BS1R/BS32RSET into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place and ensure system strength. Insert cable.











MCD36R

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

Function

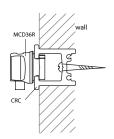
rail fitting: CRB/CRC

Description

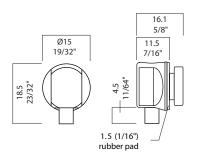
MCD36R is a rail fitting intended for vertical cable applications from wallmounted CRB/CRC.

Installation

Position MCD36R at any location along the open U-channel of CRB/ CRC rail, push MCD36R into rail, twist 90 degrees in either direction until plunger is facing downward. Insert cable.







MCD6S

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

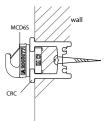
18 kg 1/16": 65 lbs 30 kg

Function rail fitting: CRB/CRC

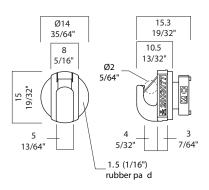
Description MCD6S is a rail hook for attaching looped cable to wall-mounted CRB/ CRC rail that includes a small clasp-excellent in seismically active areas or for an extra security measure.

Installation

With hook facing left, position MCD6S at any location along the open U-channel of CRB/CRC rail. Push MCD6S into rail, twist 90 degrees clockwise until hook facing upward. Insert looped cable and secure cable with clasp.







BS23BRSET and BS23DRSET

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

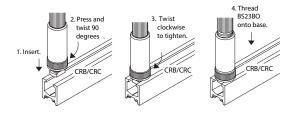
Function

rail fitting/tensioner: CRB/CRC

Description

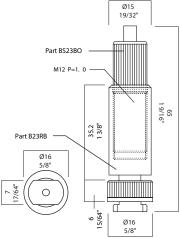
and BS23DRSET are rail fittings/tensioners for the CRB/CRC rail system. BS23BRSET is the standard gripper for tensioning perpendicular cable to floor-mounted CRB/CRC. BS23DRSET has a U-joint to allow angled cable applications from floor- and wall-mounted CRB/CRC. These tensioners are comprised of the BS23BO gripper and respective base sockets (Arakawa part B23RB for BS23BRSET, Arakawa part B23RD for BS23DRSET).

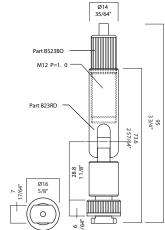
Position BS23BRSET/BS23DRSET at any desired location along the open U-channel of CRB/CRC rail, push BS23BRSET/BS23DRSET into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place and ensure system strength. Unscrew BS23BO from respective base socket almost completely, insert cable, then thread BS23BO down into base socket by hand to tension cable.











CRB Rail At A Glance

CRB rail is installed below on the ceiling and the floor to showcase this eclectic art collection in a salon style arrangement. Arakawa hardware is barely visible, allowing you to showcase your art collection, rather than the hardware that hangs it.

BS1R is used to attach 1/16" cable to the upper rail.



BS32RSET is used to tension the cable to the bottom rail, keeping the cable line taut and minimizing movement.



CRJ Rail

Cable Size

3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

3/64": 40 lbs 18 kg 1/16": 65 lbs 30 kg

Function

rail system: wall-mounted

Description

CRJ is an extruded aluminum rail with a clear anodized finish. CRJ comes in 6-foot lengths (CRJ1800-a) with an off-white rail cover (which can be painted with a latex paint) and two (2) alignment pins for connecting adjoining rails. CRJ rail fittings (Arakawa parts CR1 and CR6, purchased separately) attach at any location and can be moved horizontally along the rail; CRJ rolling rail fitting (Arakawa part CR5) must be inserted from either end of rail prior to installing optional CRJ end caps (CRJEC-L [left], CRJEC-R [right], purchased separately).

Installation

Step 1

Determine and mark desired location of CRJ rail(s); for best results, use a level. If you plan to run the track the full length of the wall, begin in the corner or the end of the wall. Mount CRJ rail with a minimum 1/2" clearance from the ceiling (see drawing below) to allow space for cover to be placed over rail (see Step 3).

<u>Step 2</u>
Attach CRJ to wall surface with appropriate hardware (not provided) depending on wall type/material (Figure 1). Mount to studs if possible; if mounting to cement or masonry, use appropriate anchors (not provided).

Step 3

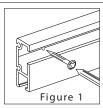
Use provided alignment pins to connect adjoining rails (Figure 2). When using alignment pins, there will be about 1/8" gap between adjoining rails; to eliminate this gap, gently tap the opposite end of the CRJ with a rubber mallet or similar, taking care not to damage rail.

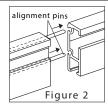
Step 4

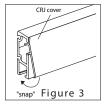
Fit the rail cover over CRJ and press firmly until it snaps into place (Figure 3).

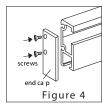
Step 5

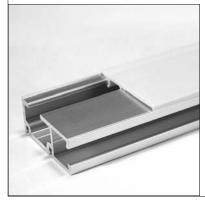
If desired, attach end caps (purchased separately) to CRJ (Figure 4). Once optional end caps have been attached, the rail cover can be painted with a latex paint.



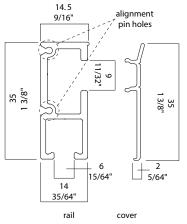


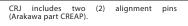


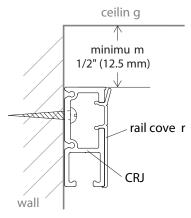














CR1

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

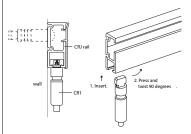
Maximum Weight

18 kg 1/16": 65 lbs 30 kg

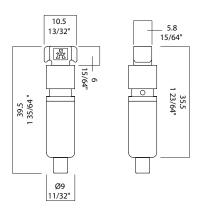
Function rail fitting: CRJ

Description CR1 is the standard rail fitting for the CRJ rail system.

Installation
Position CR1 at any desired location
along the open U-channel of CRJ
rail, push CR1 into rail, then twist 90
degrees in either direction to secure in place. Insert cable.







CR5

Cable Size 3/64" - 1/16" 1.2 mm - 1.5 mm

Maximum Weight

18 kg 1/16": 65 lbs 30 kg

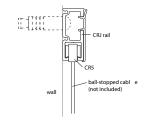
Function rail fitting: CRJ

Description

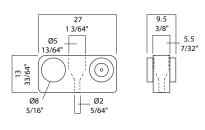
CR5 is the rolling rail fitting for the CRJ rail system that glides along the rail and allows for easy repositioning of artwork.

Installation

Insert ball-stopped cable into CR5 from the top so the ball-stop rests in recessed area of CR5. Insert CR5 (and cable) into the U-channel of CRJ rail from either end and gently glide into desired position.







*CRS does not include ball-stopped cable as pictured above; cable must be purchased separately.

CR6

Cable Size 1.2 mm - 1.5 mm 3/64" - 1/16"

Maximum Weight

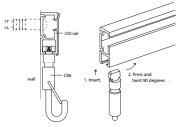
3/64": 18 kg 1/16": 65 lbs 30 kg

Function rail fitting: CRJ

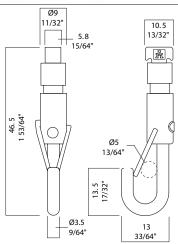
Description

CR6 is a rail hook for attaching looped cable to wall-mounted CRJ rail that includes a small clasp-excellent in seismically active areas or for an extra security measure.

Installation
Position CR6 at any desired location along the open U-channel of CRJ rail, push CR6 into rail, then twist 90 degrees in either direction to secure in place. Insert looped cable and secure cable with clasp.







MH Rail

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

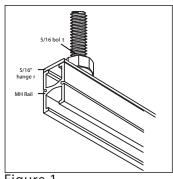
1/16": 65 lbs 30 kg 3/32": 155 lbs 70 kg

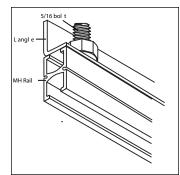
Function

rail system: ceiling-mounted, floor-mounted, wall-mounted

Description

MH is an extruded aluminum rail with a clear anodized finish. MH comes in 6-foot lengths (MH1800-a) with two (2) alignment pins for connecting adjoining rails, and offers the flexibility of ceiling-, floor-, or wall-mounted installation (requires MH1LBSET, purchased separately). MH rail fittings (Arakawa parts MJ1B [ceiling], MJ1BJ [ceiling] and SF32TUR [ceiling and wall], all purchased separately) attach at any location and can be moved in any direction along the rail; MH rolling rail fittings (Arakawa parts MJ1C and MJBC [ceiling], purchased separately) must be inserted from either end of rail prior to installing optional MH end caps (MH1EC, also purchased separately). Mounting MH rail to the floor using TF32TUR rail fittings allow cables to be tensioned, thereby reducing normal cable sway.



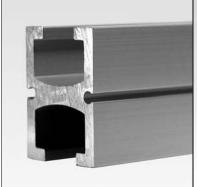


Ceiling/Floor Installation

Determine and mark desired location of MH rail(s); if you plan to run the track the full length of the ceiling/floor, begin in the corner or end of wall area. Attach rail to ceiling or floor using 5/16" hex nut (51618HN purchased separately) and 5/16W bolt (not provided). For ceiling installations, attach the MH rail(s) to the ceiling structure using 5/16" hangers (not provided) as shown in Figure 1. If necessary, connect adjoining rails with alignment pins. If desired, metal end caps (MH1EC, not provided) provide a clean finish for exposed ends.

Figure 1

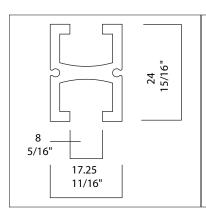


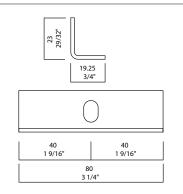


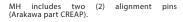


Wall Installation

Determine and mark desired location of MH rail(s); if you plan to run the track the full length of the ceiling/floor, begin in the corner or end of wall area. Attach MH1LBSET (purchase separately) to wall studs with appropriate hardware (not included) depending on stud type. Recommended wall mounting points should be between 12 and 18 inches, but spaced no further than 18 inches apart. Attach MH rail to MH1LBSET with 5/16W bolt and 5/16" hex nut (see Figure 2). If necessary, connect adjoining rails with alignment pins. If desired, metal end caps (MH1EC, not provided) provide a clean finish for exposed ends.







MH1LBSET includes one (1) L-bracket (Arakawa part LBMH1), two (2) bolts (part 516181), and two (2) hex nuts (part 51618HN).



MJ1B

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

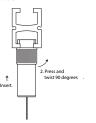
Function rail fitting: MH

Description

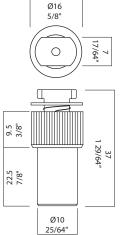
MJ1B is a fixed rail fitting for MH rail that uses ball-stopped cable instead of an internal gripping mechanism.

In stall at ion

Unscrew base of MJ1B, insert ballstopped cable, then screw the base back on. Position MJ1B at any desired location along the open U-channel of MH rail, push MJ1B into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place.







MJ1BJ

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

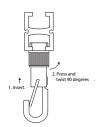
30 kg 3/32": 155 lbs 70 kg

Function rail fitting: MH

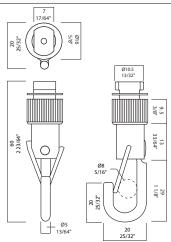
Description
MJ1BJ is a rail hook for attaching looped cable to MH rail that includes a small clasp--excellent in seismically active areas or for an extra security measure.

Installation

Position MJ1BJ at any desired location along the open U-channel of MH rail, push MJ1BJ into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place. Insert looped cable and secure cable with clasp.







MJ1C

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

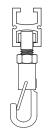
30 kg 3/32": 155 lbs 70 kg

Function rail fitting: MH

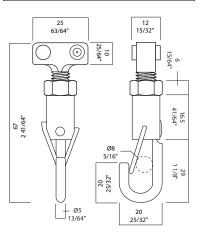
Description
MJ1C is a rolling rail hook for
attaching looped cable to MH rail
that includes a small clasp--excellent in seismically active areas or for an extra security measure.

Installation

Insert MJ1C into the U-channel of MH rail from either end and gently glide into desired position. Insert looped cable and secure cable with clasp.







MJBC

Cable Size 1/16" - 3/32"

1.5 mm - 2.5 mm

Maximum Weight

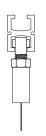
30 kg 3/32": 155 lbs 70 kg

Function rail fitting: MH

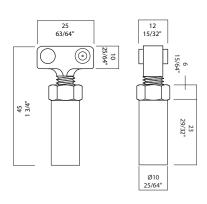
Description
MJBC is a rolling rail fitting for MH
rail that uses ball-stopped cable instead of an internal gripping mechanism.

In stall at ion

Unscrew base of MJBC, insert ball-stopped cable, then screw the base back on. Insert MJBC into the U-channel of MH rail from either end and gently glide into desired position.







MS1BJ

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

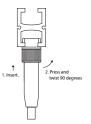
30 kg 3/32": 155 lbs 70 kg

Function rail fitting: MH

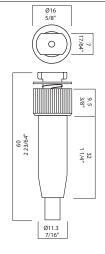
Description MS1BJ is the standard fixed rail fitting for the MH rail system.

Installation

Position MS1BJ at any desired location along the open U-channel of MH rail, push MS1BJ into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place and ensure system strength. İnsert cable.







SF32TUR

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function rail fitting: MH

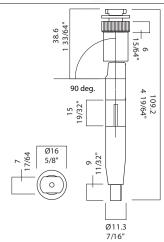
Description

SF32TUR is a fixed rail fitting for the MH rail system. SF32TUR has a U-joint for installations at difficult angles and a side exit to adjust cable length during installation.

Installation
Position SF32TUR at any desired location along the open U-channel of MH rail, push SF32TUR into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place and ensure system strength. İnsert cable.







TF32TUR

Cable Size 1/16" - 3/32"

1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

Function rail fitting: MH

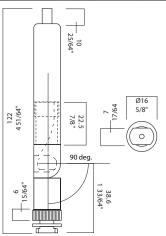
Description
TF32TUR is a bottom tensioning rail fitting for the MH rail system.

TF32TUR has a U-joint for angled installations and includes a side exit to adjust cable length.

Installation
Position TF32TUR at any desired location along the open U-channel of MH rail, push TF32TUR into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place and ensure system strength. Unscrew tensioner from base socket almost completely, insert cable, then thread tensioner down into base socket by hand to tension cable.







The MH3 rail system (p. 78) combines traits of both the CRJ and MH rails. MH3 is a wall-mounted rail the includes a vinyl cover and is compatible with CRB/CRC and MH rail attachments.



MH3 Rail

Cable Size

1/16" - 3/32" 1.2 mm - 2.5 mm

Maximum Weight

1/16": 65 lbs 30 kg 3/32": 155 lbs 70kg

Function

rail system: wall-mounted

Description

MH3 is an extruded aluminum rail with a clear anodized finish. MH3 comes in 6-foot lengths (MH31800-a) with an off-white rail cover (which can be painted with a latex paint) and two (2) alignment pins for connecting adjoining rails. Like CRE and CRJ rails, MH3 rail can be joined for seamless coverage over longer spans by using alignment pins for connecting adjoining rails. MH3 is compatible with Arakawa CRB/CRC (BS1R, BS32R, BS23BRSET, and BS23DRSET) and MH (MJ1B, MJ1BJ, MJ1C, MJBC, MS1BJ, and TF32TUR) rail fittings.

Installation

Step 1

Determine and mark desired location of MH3 rail(s); for best results, use a level. If you plan to run the track the full length of the wall, begin in the corner or the end of the wall. Mount MH3 rail with a minimum 1/2" clearance from the ceiling (see drawing below) to allow space for cover to be placed over rail (see Step 3).

Step 2

Attach MH3 to wall surface with appropriate hardware (not provided) depending on wall type/material (Figure 1). Mount to studs if possible; if mounting to cement or masonry, use appropriate anchors (not provided).

Step 3

Use provided alignment pins to connect adjoining rails (Figure 2). When using alignment pins, there will be about 1/8" gap between adjoining rails; to eliminate this gap, gently tap the opposite end of the MH3 with a rubber mallet or similar, taking care not to damage rail.

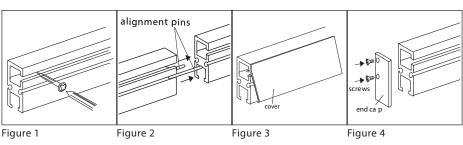
Step 4

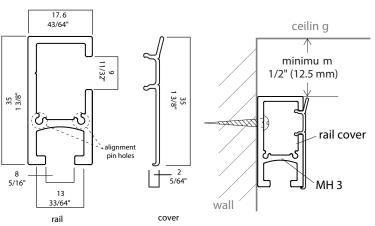
Fit the rail cover over MH3 and press firmly until it snaps into place (Figure 3).

Step 5

If desired, attach end caps (purchased separately) to MH3 (Figure 4). Once optional end caps have been attached, the rail cover can be painted with a latex paint.







VH2 Rail

Cable Size 1/16" - 3/32" 1.5 mm - 2.5 mm 1/8" 3.0 mm

5/32" 4.0 mm

Maximum Weight

1/16": 65 lbs 30 kg 3/32": 155 lbs 70 kg 1/8": 220 lbs 100 kg 5/32": 396 lbs 180 kg

Function

rail system: ceiling-mounted, wall-mounted

Description

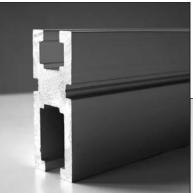
VH2 is an extruded aluminum rail with a clear anodized finish. VH2 comes in 6-foot lengths (VH21800-a) and is designed to be installed before ceiling/wall finishes and painting are complete. VH2 can be joined for seamless coverage over longer spans by using VH2-JP alignment pins (purchased separately). VH2 rail fittings (Arakawa parts HJ1B and HS1BJ, purchased separately) attach at any location and can be moved horizontally along the rail; VH2 rolling rail fittings (Arakawa parts HJ1C and VJBC) must be inserted from either end.

Ceiling/Floor Installation

Determine and mark the desired location of the VH2 rail(s); for best results use a level. If you plan to run the track the full length of the ceiling, begin in the corner or the end of the wall. Attach the VH2 rail(s) to the ceiling structure using 3/8" all-thread bolts (not provided). If necessary, connect rails with the VH2-JP alignment plate (purchased separately).

Wall Installation

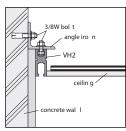
Determine and mark the desired location of the VH2 rail(s); for best results use a level. If you plan to run the track the full length of the wall, begin in the corner or the end of the wall. Attach the VH2 rail(s) to an L-angle, angle iron, or other hardware (appropriate for the weight requirements and the wall structure) using a 3/8" nut, washer, and bolt set. Fasten L-angle, angle iron, or other hardware to 3/8" bolts or lag screws as appropriate for wall properties and materials.



VH2-JP (purchased separately)



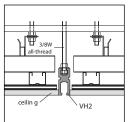
Installation Examples

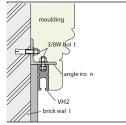


3/8W bol t angle iro n

Flush With Ceiling

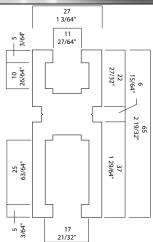
Behind Cornice





Hanging From Reinforcing Bar

Behind Moulding



HJ1B

Cable Size

1/16" - 1/8" 1.5 mm - 3.0 mm

Maximum Weight

1/16": 65 lbs 30 kg 3/32": 155 lbs 70 kg 220 lbs 100 kg 1/8":

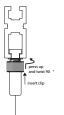
Function rail fitting: VH2

Description

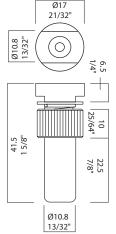
HJ1B is a fixed rail fitting for VH2 rail that uses ball-stopped cable instead of an internal gripping mechanism.

In stall at ion

Unscrew base of HJ1B, insert ballstopped cable, then screw the base back on. Position HJ1B at any desired location along the open U-channel of VH2 rail, push HJ1B into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place.







*HJ1B does not include ball-stopped cable as pictured above; cable must be purchased separately.

HJ1C

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

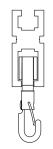
30 kg 3/32": 155 lbs 70 kg

Function rail fitting: VH2

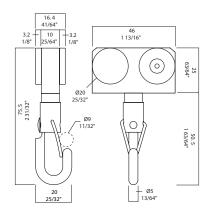
Description
HJ1C is a rolling rail hook for attaching looped cable to VH2 rail that includes a small clasp--excellent in seismically active areas or for an extra security measure.

Installation

Insert HJ1C into the U-channel of VH2 rail from either end and gently glide into desired position. Insert looped cable and secure cable with clasp.







HS1BJ

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

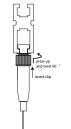
Function rail fitting: VH2

Description

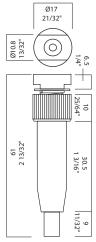
HS1BJ is the standard fixed rail fitting for the VH2 rail system.

Installation

Position HS1BJ at any desired location along the open U-channel of VH2 rail, push HS1BJ into rail, twist 90 degrees in either direction, then tighten locking ring to lock into place and ensure system strength. İnsert cable.







VJBC

Cable Size 1/8" - 5/32"

3.0 mm - 4.0 mm

Maximum Weight

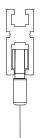
1/8": 5/32": 220 lbs 100 kg 180 kg 396 lbs

Function rail fitting: VH2

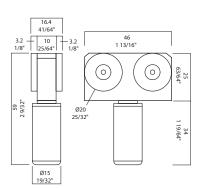
Description
VJBC is a rolling rail fitting for VH2
rail that uses ball-stopped cable
instead of an internal gripping
mechanism.

In stall at ion

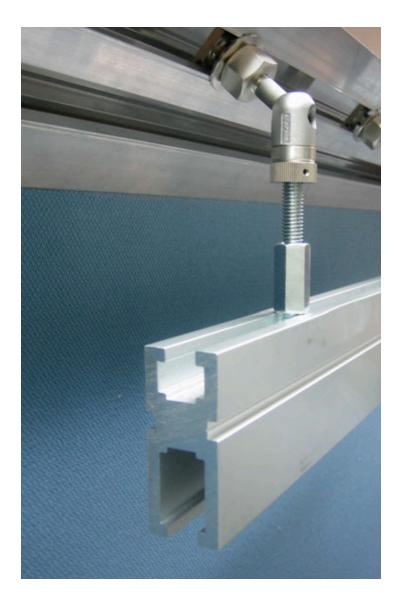
Unscrew base of VJBC, insert ball-stopped cable, then screw the base back on. Insert VJBC into the U-channel of VH2 rail from either end and gently glide into desired position.







*VJBC does not include ball-stopped cable as pictured above; cable must be purchased separately.



VH4 Rail

Cable Size 1/16" - 3/32" 1/8" 1.5 mm - 2.5 mm 3.0 mm

5/32" 4.0 mm

Maximum Weight

1/16": 65 lbs 30 kg 155 lbs 3/32": 70 kg 100 kg 1/8": 220 lbs 5/32": 396 lbs 180 kg

Function

rail system: wall-mounted

Description

VH4 is an extruded aluminum rail with a clear anodized finish. VH4 comes in 6-foot lengths (VH41800-a) and is designed to be installed before ceiling/wall finishes and painting are complete. VH4 can be joined for seamless coverage over longer spans by using four (4) VHAP alignment pins (purchased separately). Arakawa VH4 rail fittings (HJ1D, HJHD, HS1D, VJ1D, and VJHD) attach to the rail at any location and can be moved horizontally along the rail.

Installation

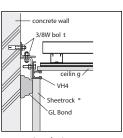
Step 1
Determine and mark the desired location of the VH4 rail(s); for best results use a level. If you plan to run the track the full length of the wall, begin in the corner or the end of the wall.

Anchors should be spaced according to appropriate distances for your wall installation. For example, in wood walls, space as to attach to the studs; if mounting to cement or masonry, use appropriate anchors (not provided). Wall mounting points should be 12 inches to 18 inches apart.

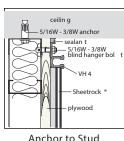
Connect adjoining rails with VHAP alignment pins (purchased separately). When using alignment pins, there will be about 1/8" gap between adjoining rails; to eliminate this gap, gently tap opposite end of rail with a rubber mallet or similar, taking care not to damage rail.

<u>Step 4</u> Install moulding or other coverings if desired. Do not paint rail lip under any circumstances.

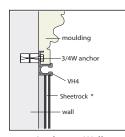
Installation Examples



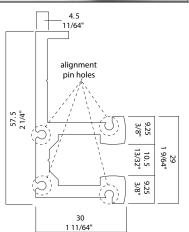
Angle Iron to Concrete Wall



Anchor to Stud through Partition



Anchor to Wall under Moulding



HJ₁D

Cable Size 1/16" - 3/32"

1.5 mm - 2.5 mm

Maximum Weight

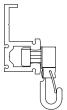
65 lbs 30 kg 3/32": 155 lbs 70 kg

Function rail fitting: VH4

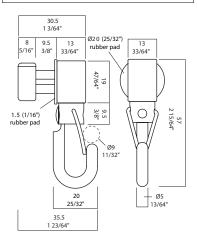
Description
HJ1C is a fixed rail hook for attaching looped cable to VH4 rail that includes a small clasp--excellent in seismically active areas or for an extra security measure.

Installation

Position HJ1D at any desired location along the open U-channel of VH4 rail, insert HJ1D into rail at a 90 degree angle (bottom of piece facing right), twist 90 degrees clockwise to properly align, then insert looped cable and secure cable with clasp.







HJHD

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

30 kg 3/32": 155 lbs 70 kg

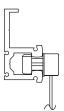
Function rail fitting: VH4

Description

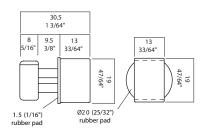
HJHD is a fixed rail fitting for VH4 rail that uses ball-stopped cable instead of an internal gripping mechanism.

Installation

Insert ball-stopped cable into HJHD from the top of the fitting. Position HJHD at any desired location along the open U-channel of VH4 rail, insert HJHD into rail at a 90 degree angle (bottom end of cable facing right), then twist 90 degrees clockwise to properly align.







*HJHD does not include ball-stopped cable as pictured above; cable must be purchased separately.

HS1D

Cable Size

1/16" - 3/32" 1.5 mm - 2.5 mm

Maximum Weight

65 lbs 30 kg 3/32": 155 lbs 70 kg

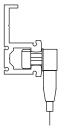
Function rail fitting: VH4

Description

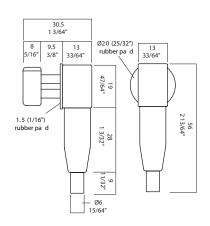
HS1D is the standard fixed rail fitting for the VH4 rail system.

Installation

HS1D Position at any desired location along the open U-channel of VH4 rail, insert HS1D into rail at a 90 degree angle (bottom of piece facing right), twist 90 degrees clockwise to properly align, then insert cable.







VJ1D

Cable Size

1/8" - 5/32" 3.0 mm - 4.0 mm

Maximum Weight

1/8": 220 lbs 100 kg 5/32": 396 lbs 180 kg

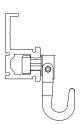
Function rail fitting: VH4

Description

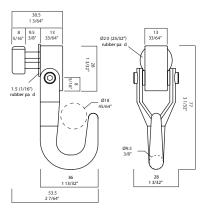
VJ1D is a fixed rail hook for attaching looped cable to VH4 rail.

In stall at ion

Position VJ1D at any desired location along the open U-channel of VH4 rail, insert VJ1D into rail at a 90 degree angle (bottom of piece facing right), twist 90 degrees clockwise to properly align, then insert looped cable.







VJHD

Cable Size

1/8" - 5/32" 3.0 mm - 4.0 mm

Maximum Weight

1/8": 220 lbs 100 kg 5/32": 396 lbs 180 kg

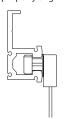
Function rail fitting: VH4

Description

VHD is a fixed rail fitting for VH4 rail that uses ball-stopped cable instead of an internal gripping mechanism.

In stall at ion

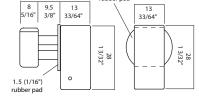
Insert ball-stopped cable into VJHD from the top of the fitting. Position VJHD at any desired location along the open U-channel of VH4 rail, insert VJHD into rail at a 90 degree angle (bottom end of cable facing right), then twist 90 degrees clockwise to properly align.





While VH4 rail is especially designed for museum uses, it is also suited for residential applications, as shown below.





Ø20 (25/32")

30.5 1 3/64"

*VJHD does not include ball-stopped cable as pictured above; cable must be purchased separately.

F В Α A 0 1 6 B S 6 0 S E T F M B 1 S p. 30 p. 18, 38 p. 41 F M B 2 S A D 1 B S V L 1 p. 39 p. 32 p. 41 A F 3 B S V R 1 F M G 1 S p. 31 p. 39 p. 42 A F 3 P p. 31 F M G 2 S p. 42 A F 3 P 1 1 6 S S F R B 1 S S p. 31 p. 43 F R B 2 S S C A R 1 p. 30 p. 43 A T 5 S E T F R G 1 S S p. 16 p. 44 C F 1 p. 67 F R G 2 S S p. 44 C F 1 M p. 67 FRP1S Series p. 45 C R 1 p. 73 В F S G 1 p. 46 C R 5 p. 73 B 5 R 3 1 L S E T p. 32 C R 6 p. 73 p. 33 C R A 1 p. 40 p. 33 CRB Rail p. 68 Η p. 34 CRC Rail p. 68 p. 34 H J 1 B p. 80 CRE Rail p. 66 H J 1 C p. 35 p. 80 CRJ Rail p. 72 B S 1 6 S E T H J 1 D p. 16, 35 p. 83 нјнр...... B S 1 R p. 83 p. 69 B S 2 0 R K S p. 36 H R 1 p. 40 Ε B S 2 0 R P S H S 1 D p. 36 p. 80 B S 2 1 H S 1 B J p. 36 p. 58 p. 83 B S 2 3 B S E T p. 56 E W 3 p. 58 B S 2 3 B R S E T p. 70 p. 58 B S 2 3 C S E T p. 56 B S 2 3 D R S E T p. 70 B S 2 5 T B p. 57 B S 2 7 S E T p. 17 B S 3 0 p. 17, 37 B S 3 1 p. 37 B S 3 2 R S E T p. 69 B S 3 5 R S E T p. 38

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W

W F 3 2	+ T	n	2.5

Notes

Notes

Arakawa Policy Information

Arakawa products are manufactured with careful attention to quality. We guarantee merchandise to have no defects in material and workmanship under normal use and service.

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