

Chain Cutting and Beveling Machines

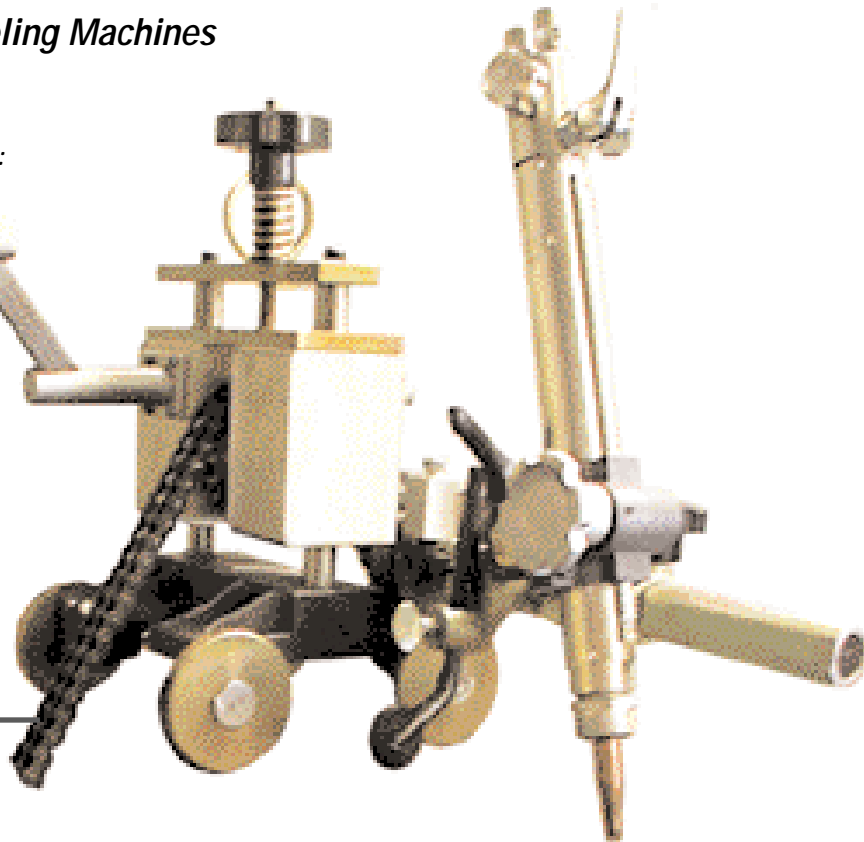
Mini Chain Machine

Mini Chain Machine Includes:

- Base Machine.
- Torch Arm.
- Sliding Support.
- Torch Holder.
- Cutting Torch NOT Included.
- Parts and Operating Manual.
- Service Keys.



Cotter Pin Chain
(Sold Separately.)



Most popular of the Chain Machines, the Lightweight Mini Chain Machine is recommended for cutting random lots of small or larger diameters of pipe. Easily adjustable from one pipe size to another, the Mini follows the pipe outside diameter to produce a consistent bevel. The *compact unit* reduces down time and maintenance cost. The Mini Chain Machine's unique design delivers exceptional performance and maximum results. Cuts pipe diameters from 2" / 51mm to unlimited. *CE Approved.*

- **BEST CHOICE** for a small shop or maintenance facility.
- **DURABLE** and **RUGGED** enough to withstand the rigor of construction.
- **VIRTUALLY ELIMINATES** the need for more than one machine regardless of the pipe diameter.
- **ACCURACY** of the Mini Chain Machine is attained through its two wheel positions and **DOUBLE** Mesh Chain.
- Vertical pipe or vessels 18 inches / 457mm and larger can be accurately cut when used with the Guide Strips.
- The Rack Adjustable Torch Support allows the torch to pierce the pipe away from the cut line and be moved back to the cut line to reduce notching of the weld bevel.
- **50% FASTER** than hand cutting and grinding.

Mini Chain Machines

Model	Part Number	Estimated Shipping Weight Lbs. / kg
Manual Mini Chain Machine	05-0520-000	34 / 15.4
Motorized Mini Chain Machine, 115vac	05-0520-M00	67 / 30.4
Motorized Mini Chain Machine, 2 outlets 230vac CE approved	05-0520-ME2	56 / 26
Motorized Mini Chain Machine, 3 outlets 230vac CE approved	05-0520-ME3	56 / 26

(Chain Block with Pin Drive and Drive Chain ordered separately.)

Highly precise cut can be achieved on horizontal or vertical pipe when the Mini is used with a Guide Strip.



Chain Cutting and Beveling Machines

Mini Chain Machine

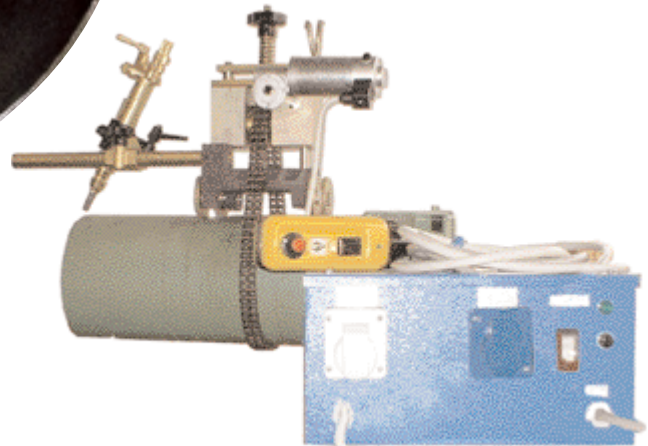


New Mini Out-of-Round Attachment minimizes the notching of the pipe when crossing weld seam.

The CE Approved 230vac Motorized Mini Chain Machine has multiple outlets for operating powered hand tools.

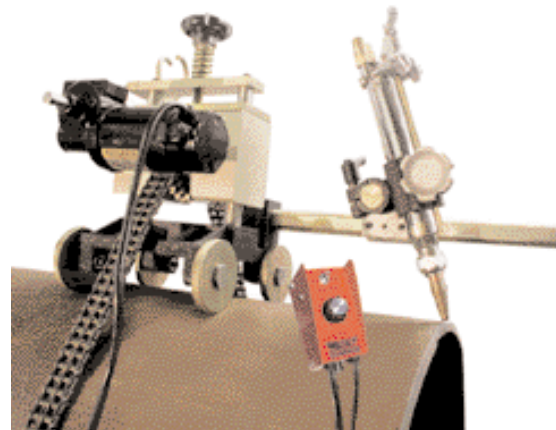
Options:

- Variable Speed Motorizing Kit available for 115 or 230vac at 50 or 60 Hertz operation reduces grinding by 90%.
- Available with Torch Holder for 1 3/8 inch / 35mm diameter machine torch with 32 pitch or metric torch rack.
- Chain Kits available for all standard pipe and tubing sizes. *(Special sizes available on request.)*



Accessories:

- 2nd Torch Holder Support and Torch Holder available for Dual Torch Operation.
- Out-of-Round Compensating Device enables the machine to cut smoothly over pipe imperfections and weld seams.
- Guide Strips for fast set up and accurate cutting of larger pipe diameters. Individual sections can be purchased to extend the range of the Guide Strip.
- 9' / 2.7M or 14' / 4.3mm Flexible Drive Cable for remote operation.
- Torches and Tips available for all types of cutting gases.
- Torch Shut-Off Valve to minimize adjustment of gas mixture to the cutting torch.



Accurate precise cuts can be made with the 115vac Motorized Mini Chain Machine that do not require grinding.

Chain Machine Accessories

Mignon, Mini and Maxi Accessories

Accessory Description	Part Number	Estimated Shipping Weight (lbs./kg)
Maxi/Mini Motorizing Kit 115vac	05-0510-A01	13 / 6
Maxi/Mini Motorizing Kit - 230vac/48vdc with 2 wall sockets - CE approved (European)	05-0510-A02	18 / 8
Maxi/Mini Motorizing Kit - 230vac/48vdc/48vac with 3 wall sockets - CE approved (European)	05-0510-A03	18 / 8
Sliding Support for 2nd Torch (Mini and Maxi Only)	05-0510-114	1 / .5
Support for 2nd Torch (Mignon Only)	05-0530-M102	1.3 / .6
1 3/8" / 35mm Torch Holder with 32 pitch Pinion	05-0510-117	.7 / .3
1 3/8" 35mm Torch Holder with metric Pinion	05-0510-117E	.7 / .3
9' (274cm) Flexible Drive Cable (Mini and Maxi Only)	05-0510-FDC	15 / 6.8
14' / 427cm Drive Cable (Mini and Maxi Only)	05-0510-FD14	12 / 5.4
Mini Out-of-Round Attachment	05-0520-300	6 / 2.7
Coping Device (Maxi Only)	05-0510-126	15 / 6.8
Coping Device Template*	05-0115-J---	15-35 / 7-16
Maxi and Mini Box (European)	05-0510-BOX	38 / 17.2
Mignon Storage Box (All Mignon Machines, US Maxi and Mini.)	05-0530-BOX	28 / 12.7
Grinding Tool Kit for US Grinder (Does not include Grinder.)	05-0510-148	2 / 1
Grinding Tool Kit for 48vac (Includes 4" / 102mm Right Angle Grinder.)	05-0510-148K	6 / 2.7
Grinding Tool Kit for 220vac (Includes 4" / 102mm Right Angle Grinder.)	05-0510-220K	6 / 2.7

* See Page 7: Fill out Saddle Machine Contour Template when ordering the Coping Device Template.

A Step Down Transformer is also available for European Voltages.

GRINDING ATTACHMENT

The Grinding Attachment when used with the Maxi or Mini and Guide Strip is a combination for refacing bevels or lands on pipe ends.



EUROPEAN MOTORIZING KITS

Maxi and Mini Chain Machine European Motorizing Kits come with 48 volt DC Right Drive Motor, Motor Adaptor, Motor Coupling, Remote Control Pendant and Power Supply Control Box. The Remote Control Pendant is attached to the Motor Control Box by means of an Eleven (11) Ft. / 3.5M Electrical Cord. Remote Control Pendant contains Indicator Lamp, Power Switch, Forward / Reverse Switch and Speed Rheostat.

There are Two (2) Models of the 230 volt AC/Single Phase/50/60Hz European Motorizing Kits. One (1) Model of the Motorizing Kit has a Power Supply Control Box with Two (2) Outlets and has an outlet available with an output of 115 or 230 volt AC/Single Phase 50/60Hz for operation of a welder or other power tool and a 48 volt DC outlet for the operation of DC Power Tools. The other model of the Motorizing Kit has a Power Supply Control Box with Three (3) Outlets and has an outlet available with an output of 115 or 230 volts AC/Single Phase/50/60Hz for operation of a welder or other power tool, a 48 volt AC Output for the operation of AC Power Tools. *CE Approved.*

SLIDING SUPPORT AND TORCH HOLDER

The combination of the Sliding Support and the Torch Holder gives the Chain Machine the ability to bevel both sides of the cut line simultaneously.



CABLE DRIVE

The Cable Drive Attachment enables the Maxi and Mini Chain Machine to be operated remotely when cutting large diameter pipe. Cable available in length of 9' / 2.7M and 14' / 4.3M.



HEAVY-DUTY STORAGE BOXES

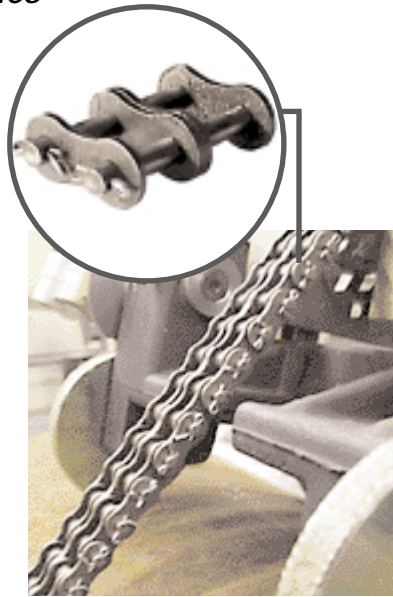
The Heavy-Duty Storage Box is made of steel with powder coated paint finish to resist the wear and tear of everyday shop use. Storage Boxes are available for American and European Model Chain Machines. The lid of the box is very durable and can be used as a worktable.



Chain Machine Accessories

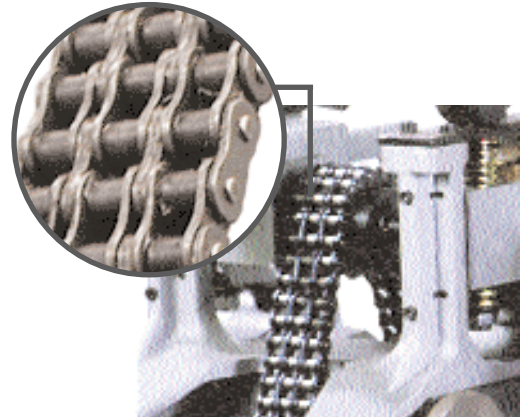
Cotter Roller Chain

The NEW Cotter Roller Chain makes the Mini and Mignon Chain Machine quick and easy to change from one pipe size to another. Simply remove the Cotter Pins from the end of the Chain Link and remove or add a section of chain. The Chain can be joined with a Cottered Chain Link or a Standard Connecting Link to identify a particular pipe diameter if additional chain links are needed.



Triple Link Chain

The Maxi Chain Machine is the most accurate of the chain machines because of its Triple Link Chain. The combination of the Three (3) Wheel Positioning and Triple Link Chain gives it versatility and precision.



Mignon Chain Kits

Description	Part Number	Estimated Shipping Weight lbs / kg
Chain Block with Pin Driver	05-0520-009	3 / 1.4
Chain Kit for 2 1/2" Pipe	01-0530-0025	2 / 1
Chain Kit for 4" Pipe	01-0530-004	2 / 1
Chain Kit for 6" Pipe	01-0530-006	3 / 1.4
Chain Kit for 8" Pipe	01-0530-008	4 / 1.8
Chain Kit for 10" Pipe	01-0530-010	4 / 1.8
Chain Kit for 12" Pipe	01-0530-012	5 / 2
Chain Kit for 16" Pipe	01-0530-016	6 / 2.7
Chain Kit for 18" Pipe	01-0530-018	6 / 2.7
Chain Kit for 20" Pipe	01-0530-020	7 / 3
Chain Kit for 24" Pipe	01-0530-024	8 / 3.6
Chain Kit for 28" Pipe	01-0530-028	9 / 4
Chain Kit for 30" Pipe	01-0530-030	9 / 4
Chain Kit for 32" Pipe	01-0530-032	10 / 4.5
Chain Kit for 36" Pipe	01-0530-036	11 / 5
Chain Kit for 40" Pipe	01-0530-040	12 / 5.4
Chain Kit for 42" Pipe	01-0530-042	13 / 5.9
Chain Kit for 48" Pipe	01-0530-048	14 / 6.4
Chain Kit for 50" Pipe	01-0530-050	15 / 6.8
Chain Kit for 52" Pipe	01-0530-052	15 / 6.8
Chain Kit for 56" Pipe	01-0530-056	17 / 7.7
Chain Kit for 60" Pipe	01-0530-060	18 / 8.2

Mini Chain Kits

Description	Part Number	Estimated Shipping Weight lbs / kg
Chain Block with Pin Driver	05-0520-009	3 / 1.4
Chain Kit for 2" Pipe	01-0520-002	2 / 1
Chain Kit for 3" Pipe	01-0520-003	2 / 1
Chain Kit for 4" Pipe	01-0520-004	2 / 1
Chain Kit for 6" Pipe	01-0520-006	3 / 1.4
Chain Kit for 8" Pipe	01-0520-008	4 / 1.8
Chain Kit for 10" Pipe	01-0520-010	4 / 1.8
Chain Kit for 12" Pipe	01-0520-012	5 / 2
Chain Kit for 16" Pipe	01-0520-016	6 / 2.7
Chain Kit for 18" Pipe	01-0520-018	6 / 2.7
Chain Kit for 20" Pipe	01-0520-020	7 / 3
Chain Kit for 24" Pipe	01-0520-024	8 / 3.6
Chain Kit for 28" Pipe	01-0520-028	9 / 4
Chain Kit for 30" Pipe	01-0520-030	9 / 4
Chain Kit for 32" Pipe	01-0520-032	10 / 4.5
Chain Kit for 36" Pipe	01-0520-036	11 / 5
Chain Kit for 40" Pipe	01-0520-040	12 / 5.4
Chain Kit for 42" Pipe	01-0520-042	13 / 5.9
Chain Kit for 48" Pipe	01-0520-048	14 / 6.4
Chain Kit for 50" Pipe	01-0520-050	15 / 6.8
Chain Kit for 52" Pipe	01-0520-052	15 / 6.8
Chain Kit for 56" Pipe	01-0520-056	17 / 7.7
Chain Kit for 60" Pipe	01-0520-060	18 / 8.2

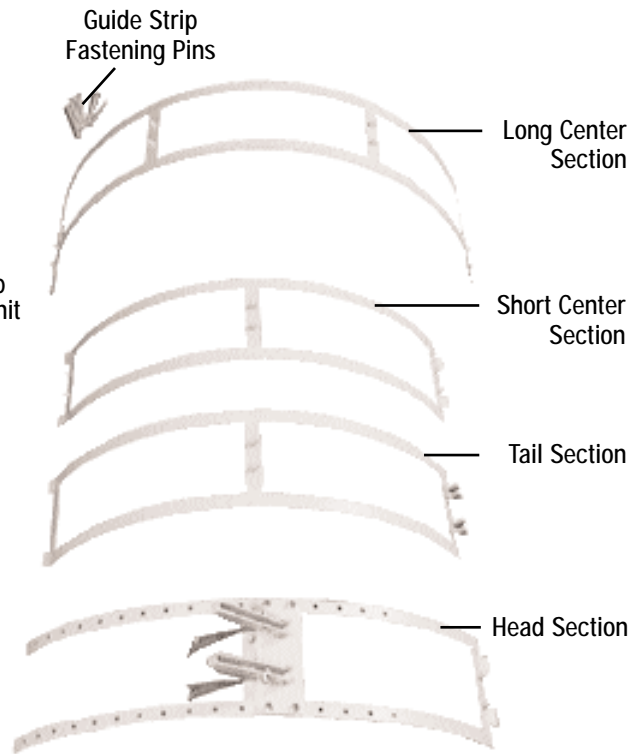
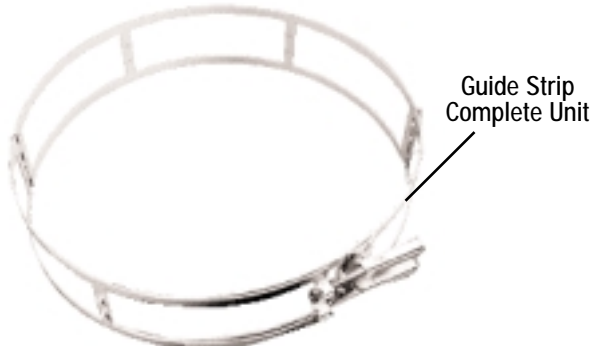
Maxi Chain Kits

Description	Wheel Position	Part Number	Estimated Shipping Weight lbs / kg
Chain Kit for 4" Pipe	1	01-0510-004	3 / 1.4
Chain Kit for 6" Pipe	2	01-0510-006	4 / 2
Chain Kit for 8" Pipe	2	01-0510-008	5 / 2.3
Chain Kit for 10" Pipe	2	01-0510-010	5 / 2.3
Chain Kit for 12" Pipe	2	01-0510-012	6 / 2.7
Chain Kit for 16" Pipe	2	01-0510-016	7 / 3
Chain Kit for 18" Pipe	2	01-0510-018	8 / 3.6
Chain Kit for 20" Pipe	2	01-0510-020	8 / 3.6
Chain Kit for 24" Pipe	2	01-0510-024	10 / 4.5
Chain Kit for 28" Pipe	2	01-0510-028	11 / 5
Chain Kit for 30" Pipe	2	01-0510-030	12 / 5.4
Chain Kit for 32" Pipe	2	01-0510-032	13 / 5.9
Chain Kit for 38" Pipe	2	01-0510-038	15 / 6.8
Chain Kit for 40" Pipe	3	01-0510-040	15 / 6.8
Chain Kit for 42" Pipe	3	01-0510-042	16 / 7.3
Chain Kit for 48" Pipe	3	01-0510-048	18 / 8.2
Chain Kit for 50" Pipe	3	01-0510-050	19 / 8.6
Chain Kit for 52" Pipe	3	01-0510-052	19 / 8.6
Chain Kit for 56" Pipe	3	01-0510-056	21 / 9.8
Chain Kit for 60" Pipe	3	01-0510-060	22 / 10

Chain Machine Accessories

Guide Strips

Guide Strip Selection Charts on following page.



Guide Strips - Extra Precision on Larger Pipe

For pipe sizes - above 18" / 457mm, the use of a Guide Strip is recommended. The Guide Strip allows for accurate tracking on even the largest diameter pipe. The Guide Strap reduces set-up time by 20%, as the Machine does not have to be rotated around the pipe to align the chain to the pipe.

NOTE:

Chain Machine Guide Strips are also sold in sections. There are Four (4) main sections:

1. Head Section
2. Long Center Section
3. Short Center Section
4. Tail Section

If ordered by section - each section includes Two (2) Pins and Two (2) Washers.

To order Guide Strips by section, for pipe sizes above 48" / 1219mm or extending the range of Guide Strips, refer to *Chain Guide Selection Charts located on the following pages.*

Guide Strip

Add or remove Guide Strip sections as needed when changing pipe diameters.



Guide Strip Part No. 05-520-013

Guide Strip insures a precise square cut on 18" / 457mm and larger pipes.



Chain Machine Accessories

Mignon Chain Machine

Guide Strip Selection Chart

Pipe Range in. / mm	Head Section 05-0530-013B	Tail Section 05-0530-013D	Short Center Section 05-0530-013C	Long Center Section 05-0530-013A
18 - 22 / 458-559	1	1		
18 - 32 / 610 - 813	1	1	1	
18 - 36 / 864 - 914	1	1		1
18 - 48 / 1118 - 1219	1	1	1	1
18 - 52 / 1270 - 1321	1	1		2
18 - 58 / 1372 - 1473	1	1	2	1
18 - 64 / 1524 - 1625	1	1	1	2
18 - 72 / 1674 - 1829	1	1	2	2

For pipe sizes above 72" / 1828mm contact Mathey Dearman, Inc. Sales Department for the number of sections needed.

Mini Chain Machine

Guide Strip Selection Chart

Pipe Range in. / mm	Head Section 05-0520-013B	Tail Section 05-0520-013D	Short Center Section 05-0520-013C	Long Center Section 05-0520-013A
18 - 22 / 458-559	1	1		
18 - 32 / 610 - 813	1	1	1	
18 - 36 / 864 - 914	1	1		1
18 - 48 / 1118 - 1219	1	1	1	1
18 - 52 / 1270 - 1321	1	1		2
18 - 58 / 1372 - 1473	1	1	2	1
18 - 64 / 1524 - 1625	1	1	1	2
18 - 72 / 1674 - 1829	1	1	2	2

For pipe sizes above 72" / 1828mm contact Mathey Dearman, Inc. Sales Department for the number of sections needed.

Maxi Chain Machine

Guide Strip Selection Chart

Pipe Range in. / mm	Head Section 05-0510-013B	Tail Section 05-0510-013D	Short Center Section 05-0510-013C	Long Center Section 05-0510-013A
18 - 22 / 458-559	1	1		
18 - 32 / 610 - 813	1	1	1	
18 - 36 / 864 - 914	1	1		1
18 - 48 / 1118 - 1219	1	1	1	1
18 - 52 / 1270 - 1321	1	1		2
18 - 58 / 1372 - 1473	1	1	2	1
18 - 64 / 1524 - 1625	1	1	1	2
18 - 72 / 1674 - 1829	1	1	2	2

For pipe sizes above 72" / 1828mm contact Mathey Dearman, Inc. Sales Department for the number of sections needed.

Guide Strip Chart

Description	Part Number	Estimated Shipping Weight (lbs./kg)
Mignon 18"-32" / 457mm-813mm Guide Strip	05-0530-012	12 / 5.4
Mignon 18"-48" / 457mm-1219mm Guide Strip	05-0530-013	17 / 7.3
Head Section	05-0530-013B	4.7 / 2
Tail Section	05-0530-013D	3.6 / 1.6
Short Center Section	05-0530-013C	3.2 / 1.5
Long Center Section	05-0530-013A	4.3 / 2

Guide Strip Chart

Description	Part Number	Estimated Shipping Weight (lbs./kg)
Mini 18"-32" / 457mm-813mm Guide Strip	05-0520-012	12 / 5.4
Mini 18"-48" / 457mm-1219mm Guide Strip	05-0520-013	15 / 6.8
Head Section	05-0520-013B	4.7 / 2
Tail Section	05-0520-013D	3.6 / 1.6
Short Center Section	05-0520-013C	3.2 / 1.5
Long Center Section	05-0520-013A	4.3 / 2

Guide Strip Chart

Description	Part Number	Estimated Shipping Weight (lbs./kg)
Maxi 18"-32" / 457-813mm	05-0510-012	12 / 5.4
Maxi 18"-48" / 457-1219mm Guide Strip	05-0510-013	15 / 6.8
Head Section	05-0110-013B	4.7 / 2
Tail Section	05-0110-013D	3.5 / 1.6
Short Center Section	05-0110-013C	3.2 / 1.5
Long Center Section	05-0110-013A	4.3 / 2