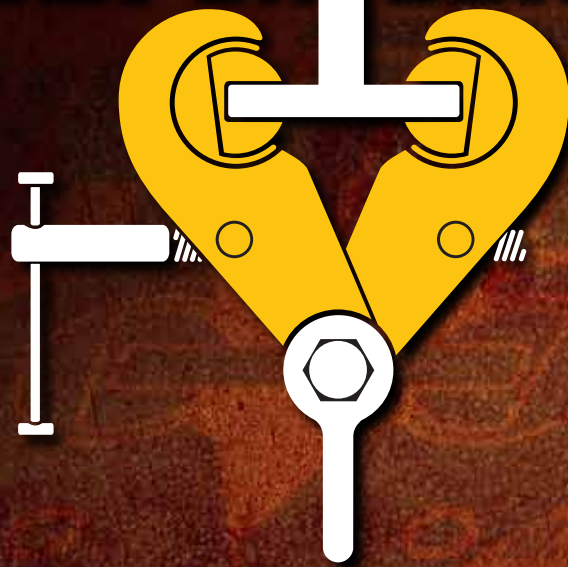


GENERAL CLAMP INDUSTRIES, INC.

SUPER CLAMP



Stationary Transferable and Mobile Securing Attachment
for Lifting Equipment and Personal Tie-off Anchorage.

GENERAL CLAMP INDUSTRIES, INC.

INDEX

Introduction	Index
Corporate Profile	1
Clamp Products	2
Pipes & Angle Clamps	4
Trolleys	5
Plate Clamp Products	6
Fall Protection	7
Technical:	
Product Safety	8
Guidelines	9
Notes	13

Introduction

Safety Is Everybody's Business

Our contribution to SAFETY is in securing the QUALITY and RELIABILITY of our 'SUPERCLAMP' products, which are used in Mining, On-Shore and Off-Shore Mineral Exploration, General Maintenance, and the Construction Industries.

Each 'SUPERCLAMP' product is proof tested to two times the safe working load. Tests to destruction ensuring a 5-1 factor of safety are employed throughout the design, development, and manufacturing process of the products.

Our worldwide distribution network will provide active and consultative support to assist in the selection of safety equipment to suit your lifting applications.

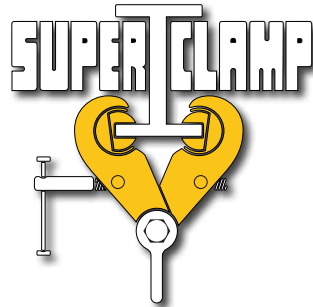
Should our standard range of 'SUPERCLAMP' products not fulfill your immediate requirements, then please contact your nearest authorized 'SUPERCLAMP' supplier who will gladly quote for any special applications you may have.

Yours sincerely,

GENERAL CLAMP INDUSTRIES, INC.

Made in the USA

CORPORATE PROFILE



GENERAL CLAMP INDUSTRIES, INC. Corporate Profile

General Clamp Industries, Inc. is one of a group of companies active in the lifting industry since 1965. We have over 40 years of successful service in the lifting and material handling industry. Beginning in 1965 as an inspection contractor, we quickly grew until today where we are one of three related companies, all active in the lifting field.

General Clamp Industries, Inc. manufactures **SUPERCLAMP™** beam and girder clamps and trolleys. This unique line of patented under hook lifting accessories is designed around safety and ease of use. **SUPERCLAMP** incorporates a left and right hand threaded adjustment bar for fast installation and removal. The design ensures that each clamp need be hand tightened only...no tools required. **General Clamp Industries, Inc.** also manufactures the only American made fully adjustable one piece beam trolley. The **SUPERCLAMP A, B,** and **BA** series of trolleys requires no tools or spacers to be safely installed on the beam flange. Many of our standard clamp and trolley models are approved for personnel use as PFAS Anchorage points.

General Clamp Industries, Inc. is conscious of its responsibility to industry and workers, and we ensure that all engineering, design and manufacture is carried out to exacting quality standards and in strict accordance with all regulations. We can guarantee top quality products because they are all made in the U.S.A. with rust resistant A-588 Steel. **SUPERCLAMP** products are certified to meet or exceed all existing state and federal codes, and each unit is load tested prior to shipping.

Our sister companies, **United States Crane, Inc.** and **United States Crane Certification Bureau, Inc.** are also directly involved in the lifting and hoisting industry. United States Crane, Inc. manufactures a line of Personnel Lifting Platforms under the trade name **SUPERCAGE™**. **SUPERCAGE** is available in three basic configurations; as a **Suspended Platform**; as a **Direct Fixed Attachment Platform**; and a **ForkLift Platform**.

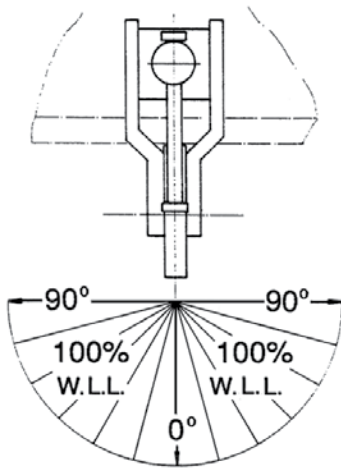
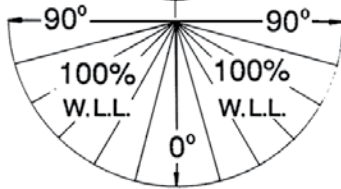
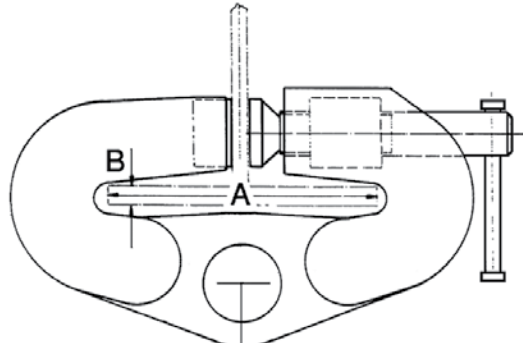
United States Crane, Inc. also specializes in the design, manufacture and rebuilding of mobile and tower crane and derrick booms. With over 40 years of experience in this field and a corporate mission for quality and safety, United States Crane is the leader in this field.

United States Crane Certification Bureau, Inc. provides crane and boom inspections for safety, preventative maintenance, OSHA certification, and accident investigation purposes. Our qualified personnel are often called upon to provide expert witness testimony in accident investigations and court proceedings. In addition to these services, we provide operator training and certification.

Over the past 40 years United States Crane has developed a reputation for quality, service and safety in all our operations and products. Our commitment to safety and customer satisfaction includes maintaining full and complete insurance coverage. **General Clamp Industries, Inc.** is part of a truly integrated American owner group of companies focused on meeting the exact needs of the lifting industry.



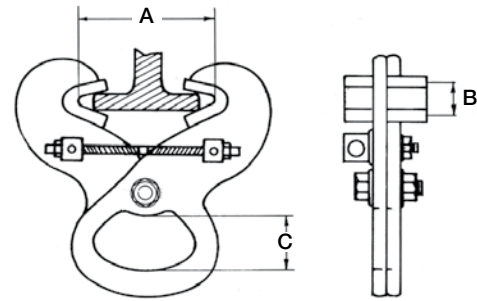
CLAMPS



Universal SUPERCLAMP

- Can be fully loaded at any angle, i.e. 90° in 360° rotation
- Designed for side load applied at full rated capacity
- Low headroom anchor point
- Single or twin lifting point
- Light weight one piece adjustment design
- Positive grip on beam flange and web
- Used for lifting, pulling or as an anchor point
- **Approved for Personnel tie-off use***

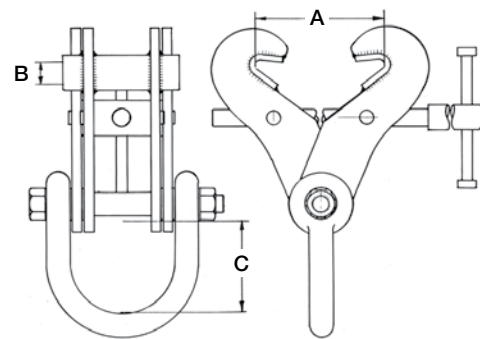
MODEL	* WLL at 0° Vertical		A	B	Average
	Lbs	kg	Adjustment inch. min-max	To Accommodate Beam Flange Thickness (max) inch	Weight Lbs
USC3A	6720	3048	6" - 8"	1"	30
USC4	8960	4064	6" - 12"	1"	52
USC5	11200	5080	6" - 12"	1"	63
USC5A	11200	5080	6" - 12"	1 1/2"	63
USC5D	22400	10160	6" - 12"	1"	74
USC5D400	22400	10160	9" - 16"	1"	95



Permanently Fixed Adjustable Girder Clamps

- Designed for light industrial applications
- Ideal for permanent overhead anchor point above machinery or equipment
- Positive grip on flange
- Lightweight one piece adjustable design
- For use at 0° from vertical

MODEL	WLL at 0° Vertical		A	B	C	Average
	Lbs	kg	Jaw Grip Adjustment inch min-max	Jaw Aperture inch	Inside Shackle Crown to Spacer inch	Weight Lbs
PFC1	2240	1016	3" - 7 1/2"	7/8"	1 1/2"	4
PFC2	4480	6096	3" - 7 1/2"	7/8"	1 1/2"	6
PFC3	6720	8128	3" - 7 1/2"	7/8"	1 1/2"	7

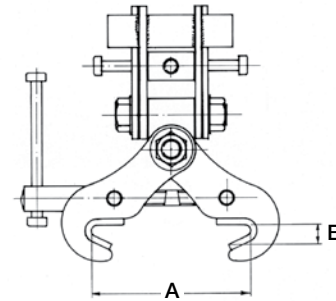


Fixed Jaw Adjustable Girder Clamps

- One piece adjustable design
- Used for lifting, pulling or as an anchor point
- No tools required for mounting/removal
- Integrated lifting shackle
- Positive grip left/right threaded adjusting bar
- Designed with maximum safe jaw grip adjustment
- For use at up to 15° from vertical
- **Approved for Personnel tie-off use***
- S1 and S2 are not approved for side load

MODEL	* WLL at 0° Vertical		A	B	C	Average
	Lbs	kg	Jaw Grip Adjustment inch min-max	Jaw Aperture inch	Inside Shackle Crown to Spacer inch	Weight Lbs
S1	4480	2032	3" - 7 1/2"	7/8"	3 3/4"	9
S2	6720	3048	3" - 7 1/2"	7/8"	3 3/4"	11
S2A	6720	3048	3" - 7 1/2"	7/8"	3 3/4"	18
S3	8960	4064	6" - 10"	7/8"	3 7/8"	24
S3X	11200	5080	3" - 7 1/2"	7/8"	4 1/8"	22
S3A	11200	5080	6" - 12"	1 5/8"	4 1/8"	33
S4S	13440	6096	8" - 18"	1 5/8"	4 1/8"	41
S4A	22400	10160	8" - 18"	1 5/8"	4 1/2"	62
S12	33601	15241	8" - 18"	2"	5 7/8"	109
S14	33601	15241	16" - 24"	2 1/2"	5 7/8"	129

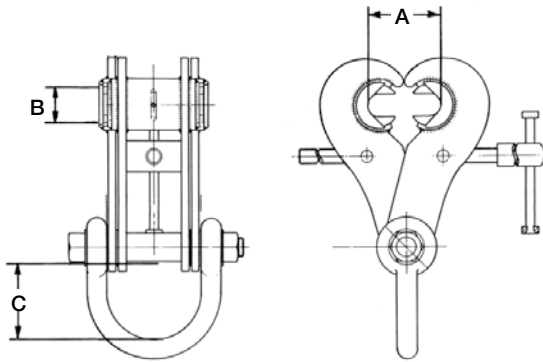
CLAMPS



Adjustable Double Ended Monorail Construction Clamps

- Designed to enable speedy erection of overhead runways
- Clamp ends are one piece, fully adjustable
- No tools required
- Positive grip left/right threaded adjustable bar
- "A" - series allows for minor height adjustment where required
- Ideal for fast erection of permanent or temporary overhead runway

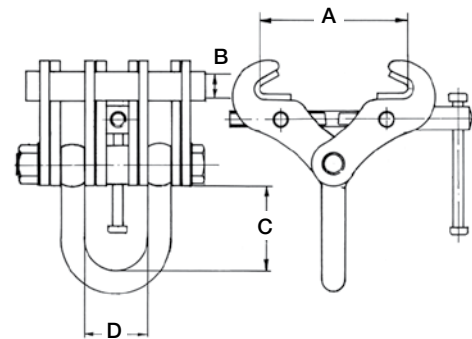
MODEL	WLL at 0° Vertical Lbs	WLL at 0° Vertical kg	A Jaw Grip Adjustment inch	B Jaw Aperture inch	Max. Ht. Adjustment	Average Weight Lbs
S7	6720	3048	3" - 7 1/2"	7/8"	-	20
S7A	6720	3048	3" - 7 1/2"	7/8"	1 1/4" 32	23
S8	8960	4064	6" - 10"	7/8"	-	41
S8A	8960	4064	6" - 10"	7/8"	1 1/4" 32	44



Swivel Jaw Adjustable Girder Clamps

- One piece adjustable design
- Used for lifting, pulling or as an anchor point
- Added benefit of horizontal jaw adjustment
- Full length/width of swivel jaw anchors on flange
- Integrated lifting shackle
- Positive grip left/right threaded adjusting bar
- For use at up to 15° from vertical
- **Approved for Personnel tie-off use***
- S5 not approved for side load

MODEL	WLL at 0° Vertical Lbs	WLL at 0° Vertical kg	A Jaw Grip Adjustment inch min-max	B Jaw Aperture inch	C Inside Shackle Crown to Spacer inch	Average Weight Lbs
S5	6720	3048	3 1/2" - 12"	1"	3 3/4"	22
S5A	6720	3048	3 1/2" - 12"	1"	4 1/2"	31
S6	11200	5080	3 1/2" - 12"	1"	4 1/2"	31
S6A	11200	5080	3 1/2" - 12"	1"	4 1/2"	34
S11	22400	10160	3 1/2" - 12"	1"	4 1/2"	47

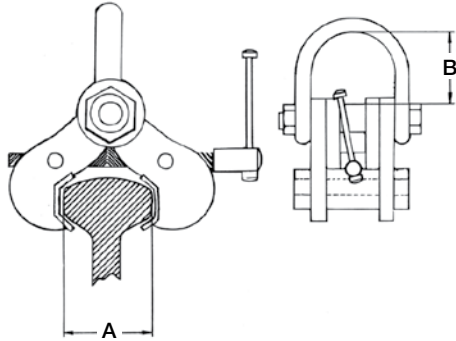


Fixed Adjustable Girder Dog

- One piece adjustable design
- Used for lifting, pulling or as an anchor point
- Enhanced by balanced distribution of side plates
- Maximum grip, hold & safety
- No tools required
- Positive grip left/right threaded adjusting bar
- For use at up to 15° from vertical
- **Approved for Personnel tie-off use***

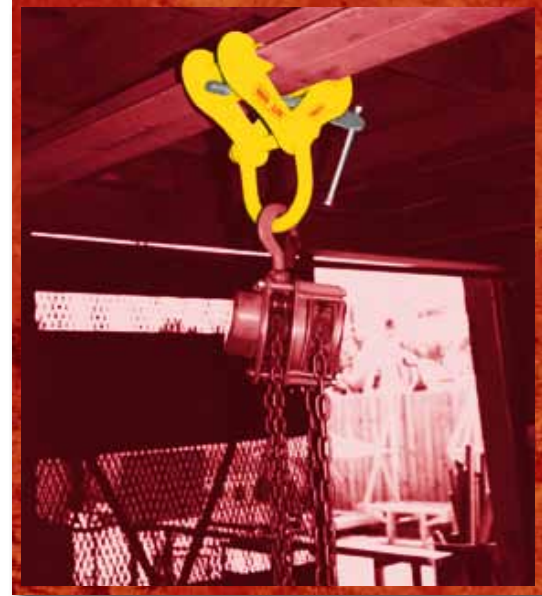
MODEL	WLL at 0° Vertical Lbs	WLL at 0° Vertical kg	A Jaw Grip Adjustment inch	B Jaw Aperture inch	C Inside Shackle Crown to Spacer inch	D Inside Shackle Width inch	Average Weight Lbs
S15	44800	20320	8" - 18"	2"	8 1/8"	4 9/16"	144
S16	44800	20320	16" - 24"	2 1/2"	8 1/8"	4 9/16"	170
S17	56000	25400	8" - 18"	2"	8 1/8"	5 1/8"	166
S18	56000	25400	16" - 24"	2 1/2"	8 1/8"	5 1/8"	198
S19	67200	30480	8" - 18"	2 1/2"	8 1/8"	5 1/8"	203
S20	67200	30480	16" - 24"	3"	8 1/8"	5 1/8"	236

CLAMPS

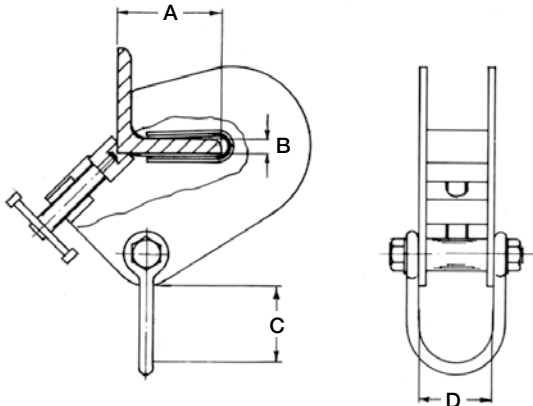


Adjustable Universal Rail Lifting Clamps

- Designed to grip on all standard AREA Rail & Crane Rail
- Positive grip through left/right threaded adjustable bar
- Lightweight & versatile adjustability
- No tools required
- Integrated lifting shackle
- Ideal for construction, erection and maintenance



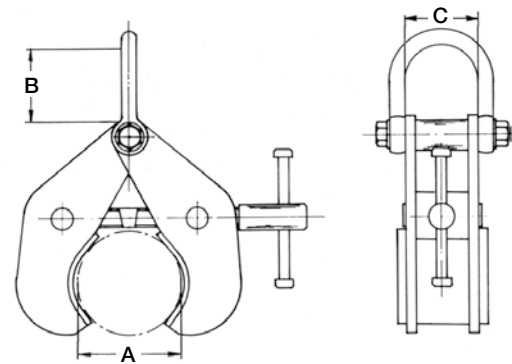
MODEL	WLL at 0° Vertical		A	B	Average Weight
	Lbs	kg	Jaw Grip Adjustment inch	Inside Shackle Crown to Spacer inch	Lbs
R1	6720	3048	STD AREA Rail	3 3/8"	13
R2	11200	5080	& Crane Rail	4 1/4"	21
R1-59	11200	5080	Trolley Rail	4 1/4"	33



Adjustable Angle Section Clamp

- One-piece adjustable design to fit all standard angle sections
- Serves as an anchor or lighting point
- V-block clamping jaw secures clamp to angle profile
- Positive grip for maximum safety
- Integrated lifting shackle
- No tools required

MODEL	WLL at 0° Vertical		A	B	C	D	Average Weight
	Lbs	kg	To Fit Angle Sections	Jaw Aperture inch	Inside Shackle Crown to Spacer inch	Inside Shackle Width inch	Lbs
AC1	1120	508	1 1/2" - 4"	9/16"	4"	2 3/4"	10
AC2	2240	1016	1 1/2" - 4"	9/16"	3 3/4"	2 3/4"	10
AC3	3360	1524	2" - 6"	7/8"	2 7/8"	3 1/2"	24
AC4	6720	3048	4" - 8"	1"	4"	4"	47

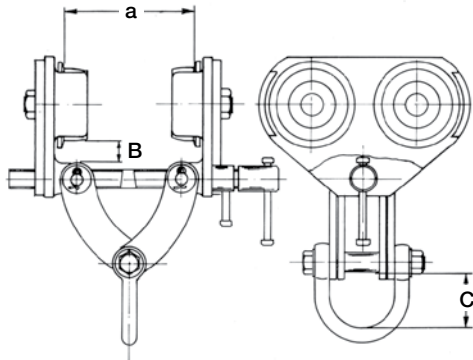


Pipe Lifting Clamps

- One-piece adjustable design
- Lightweight, positive grip construction
- Designed for lifting pipes and cylindrical objects
- Integrated lifting shackles

MODEL	WLL at 0° Vertical		A	B	C	Average Weight
	Lbs	kg	Adjustable to Fit Outside Diameter	Inside Shackle Crown to Spacer inch	Inside Shackle Width inch	Lbs
P1	2240	1016	2 1/2" - 4 1/2"	3 7/8"	2 7/8"	15
P2	3360	1524	4" - 7"	3 7/8"	2 7/8"	28
P3	4480	2032	5" - 9"	3 7/8"	2 7/8"	36
P4	6720	3048	7" - 11"	4"	3 3/4"	58
P5	6720	3048	8" - 13"	4"	3 3/4"	69
P6	6720	3048	9" - 15"	4"	3 3/4"	79
P7	6720	3048	10" - 17"	4"	3 3/4"	110
P8	8960	4064	12" - 19"	4 3/4"	4 5/8"	140
P9	8960	4064	16" - 24"	4 3/4"	4 5/8"	169

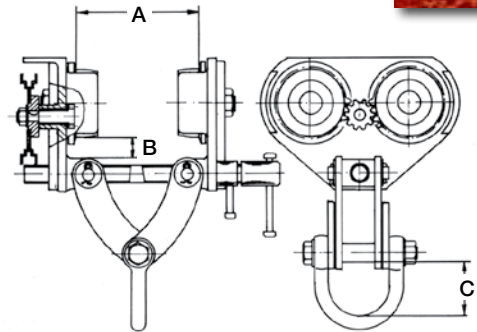
TROLLEYS



Adjustable Runway Beam Trolleys

- One-piece adjustable design
- Hand push, easy to use, ball bearing wheels
- Adapts to beam width by turning left/right hand threaded adjusting screw
- Includes locking collar and wheel guard anti-drop plates for maximum safety
- Integrated lifting shackle
- No tools required
- Ideal for temporary and permanent installations requiring speedy installation and use
- **Approval for personnel tie-off use***

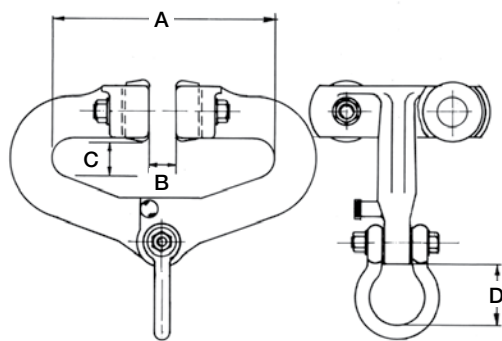
MODEL	WLL at 0° Vertical Lbs	WLL at 0° Vertical kg	A Width Adjustment inch min-max	B To Accommodate Beam Flange Thickness (max) inch	C Inside Shackle Width inch	Average Weight Lbs
B1	6720	3048	3"- 8"	1 1/8"	4 3/4"	52
B2	13440	6096	4"- 12"	1 1/4"	3 7/8"	110
B3	22400	10160	4"- 12"	1 1/2"	5 1/8"	164



Geared Runway Beam Trolleys with Anti-Drop Plates

- One-piece adjustable design
- Hand geared for easy movement of heavy loads
- Ball bearing wheel movement
- Integrated lifting shackle
- Adapts to beam width by turning left/right hand threaded adjusting screw
- Includes locking collar and wheel guard anti-drop plates for maximum safety
- Ideal for temporary and permanent installations requiring speedy installations and use
- **Approval for personnel tie-off use***

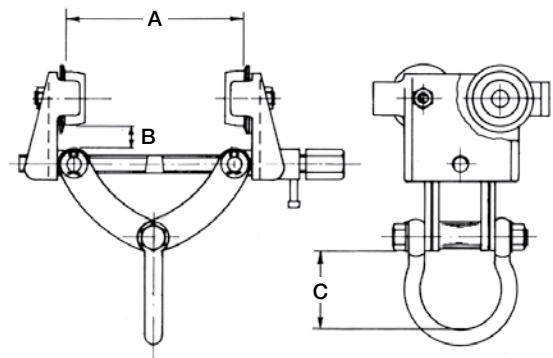
MODEL	WLL at 0° Vertical Lbs	WLL at 0° Vertical kg	A Width Adjustment inch min-max	B To Accommodate Beam Flange Thickness (max) inch.	C Inside Shackle Crown to Spacer inch	Average Weight Lbs
GBT1	6720	3048	3"- 8"	1 1/8"	4"	68
GBT2	13440	6096	4"- 12"	1 1/4"	4"	127
GBT3	22400	10160	6"- 12"	1 1/2"	5 1/8"	183
GBT4	33600	15240	8"- 18"	3"	8"	354
GBT5	44800	20320	8"- 18"	3"	8 3/4"	440



Autolock Runway Beam Trolleys with Anti-Drop Plates

- One-piece versatile beam width design
- Maximum speed of application through central pivot opening of clamp
- Snap lock safety when trolley is closed around flange
- Hand push easy to use ball bearing wheels
- Wheel guard anti-drop plates, and integrated lifting shackle
- Ideal for use on uneven radius runways
- **Approval for personnel tie-off use***

MODEL	WLL at 0° Vertical Lbs	WLL at 0° Vertical kg	A Flange Width Adjustment inch min-max	B To Accommodate Beam Web Thickness (max) inch.	C To Accommodate Beam Flange Thickness (max) inch.	D Inside Shackle Crown to Spacer inch	Average Weight Lbs
A1	6720	3048	3"- 8"	5/8"	1"	5 1/4"	46
A2	13440	6096	4"- 12"	3/4"	1 1/4"	5 5/8"	73
A3	22400	10160	4"- 12"	3/4"	1 1/4"	5 1/2"	105

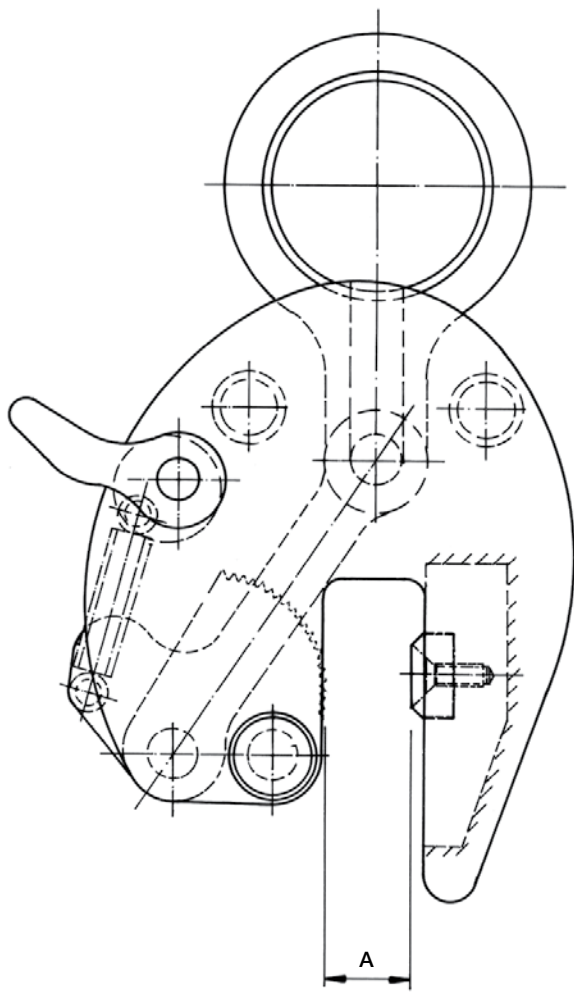


Adjustable Runway Beam Trolleys with Anti-Drop Plates

- Lightweight hand push, easy to use, ball bearing wheels
- Developed for lighter industrial applications
- Adapts to beam width by turning left and right hand adjusting bar
- Fitted with width adjustment locking mechanism
- Wheel guard anti-drop plates
- No additional width adjusting tools required
- Positive grip clamps
- **Approval for personnel tie-off use***

MODEL	WLL at 0° Vertical Lbs	WLL at 0° Vertical kg	A Width Adjustment inch min-max	B To Accommodate Beam Flange Thickness (max) inch.	C Inside Shackle Crown to Spacer inch	Average Weight Lbs
BA1	2240	1016	2 1/2" - 8"	1"	4"	14
BA2	3360	1524	3"- 8"	1"	4"	15
BA3	4480	2032	3"- 8"	1"	4"	15

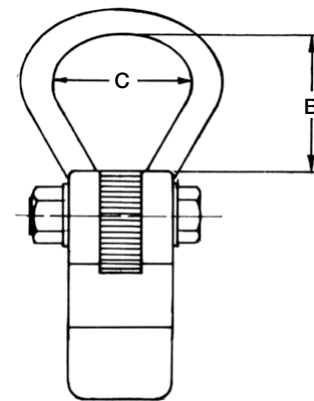
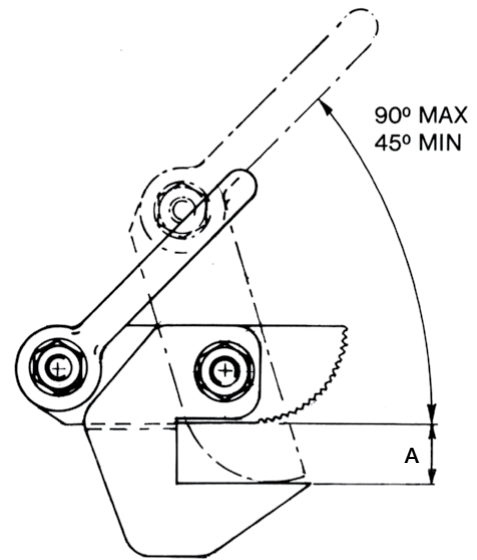
PLATE CLAMPS



Vertical Plate Lifting Clamp

- Designed for vertical plate lifting
- Positive grip with locking mechanism
- Hardened steel knurled cam ensures maximum grip and hold
- Easy to replace wear parts
- Minimum maintenance

MODEL	WLL at 0° Vertical		A	Average
	Lbs	kg	Plate Thickness Inch min-max	Weight Lbs
PLC1	2239.89	1016	0 - 3/4"	7
PLC2	4479.79	2032	0 - 1 1/4"	14
PLC3	6719.68	3048	0 - 1 1/4"	20
PLC4	8959.58	4064	0 - 1 1/4"	28

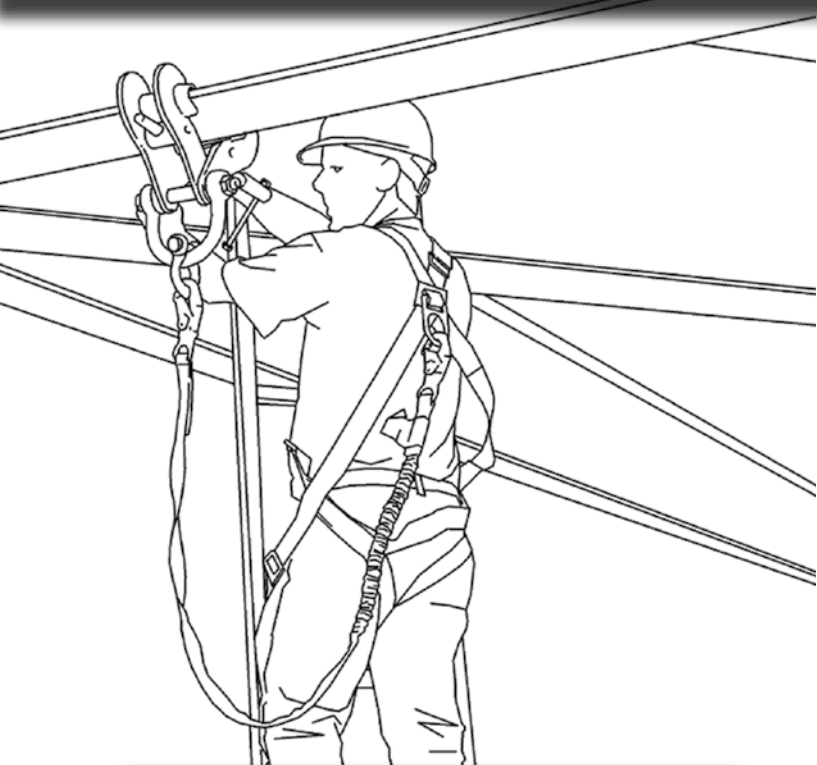


Horizontal Plate Clamps

- Designed for use as pairs only for horizontal plate lifting
- Toothed cam toe ensures maximum grip and hold
- Standard jaw apertures allow for wide range of plate thickness
- Equipped with lifting shackle
- Easy to replace wear parts

MODEL	WLL at 0° Vertical		A	B	C	Average
	Lbs	kg	Jaw Adjustability inch min-max	Inside Shackle Crown to Spacer inch	Inside Shackle Width inch	Weight Lbs
HPC-1	3360	1524	0 - 1 1/2"	3 1/2"	2 1/2"	13
HPC-2	4480	2032	0 - 2"	3 1/2"	2 1/2"	15
HPC-3	6720	3048	0 - 3"	5 1/4"	3 3/8"	32
HPC-4	8960	4064	0 - 4"	5 1/4"	3 3/8"	45

FALL PROTECTION



USC-3A

- Proof Load Tested at 13,440 lbs.
- Ideal in applications requiring fixed Anchorage Connector (including vertical column locations)

S1

- Ideal in application where Anchorage Connector is located overhead
- Heavier duty USC or S series clamps may be used based on beam flange or restricted side loading as detailed on page 10

Superclamp BA Series Trolleys

- Ideal in application when a moveable Anchorage Connector is desired
- One-piece fully adjustable design
- Fast and safe installation and removal
- Anti-drop plates for added security

Background

Since the revision to the OSHA regulations regarding Personal Fall Arrest Systems were instituted, an urgent need has been created for satisfactory methods of connecting the PFAS to the suitable anchor, such as a beam. A brief review of the OSHA regulations and ANSI Z359.1 indicated that SUPERCLAMP offers a solution to most of their situations

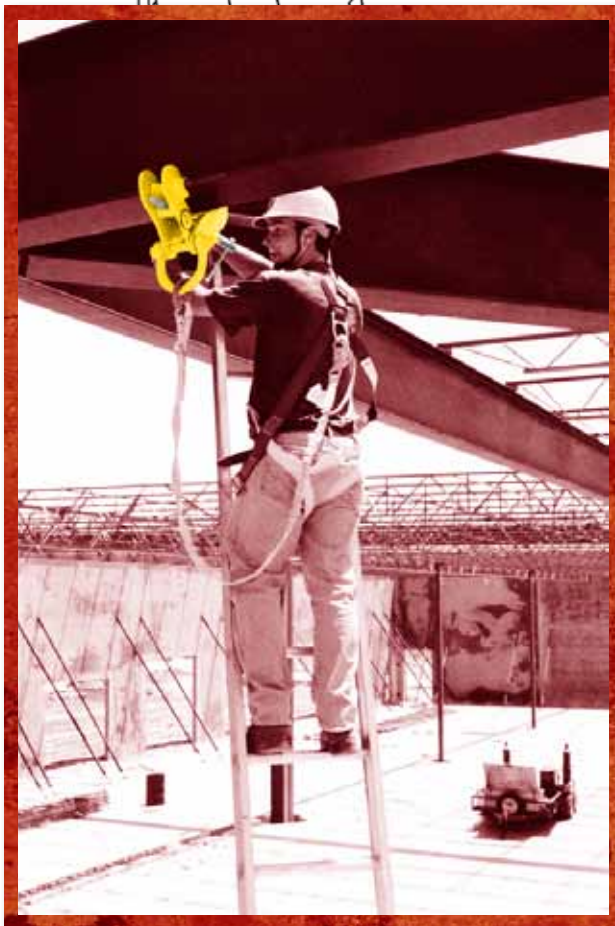
ANSI Z359.2 section 3.2.5.1 states that the Anchorage Connector "shall be capable of withstanding a 5,000 pound load" and "Anchorage connectors shall meet the strength requirements of the anchorages to which they are coupled as set forth in 7.2.3." "This section requires"... a strength capable of sustaining static loads, applied in the direction permitted by the PFAS of at least: (a) 3,600 pounds when certification exists."

In keeping with the above, please take note that each and every SUPERCLAMP unit is Proof Load Tested at 2:1 and each is fully certified. As an added safety factor, each model has a design factor of 5:1.

Additional

Please remember that in addition to our authorization and certification of their products for Personnel Use, i.e. PFAS Anchorage Connectors, General Clamp Industries, Inc. maintains complete Product Liability insurance.

Also, on special request we can readily paint specific clamps a distinctive color or provide distinctive markings to indicate that they are "For Personnel Use" only. There may be a nominal charge for this service.





SUPERCLAMP™ Products Safety and Health

Suppliers are generally required to make available information relating to articles supplied to ensure that when you put to proper use they are safe and without risk to health.

Experience over many years has not shown any particular problems with regard to Health and Safety in connection with the SUPERCLAMP products we manufacture and supply providing:

1. They are used for the purpose for which they were designed.
2. They are not loaded beyond their rated Working Load Limit.
3. They are properly maintained.
4. They are inspected regularly and tested in accordance with the relevant statutory regulations.
5. They are used by competent persons trained in their use.

Warning

Our products are marked with a WORKING LOAD LIMIT which MUST NOT be exceeded. The manufacturer does not accept any liability for damage which may result from the product being used in excess of the Working Load Limit.

Ensure that existing endstops on runway beams will accommodate SUPERCLAMP trolleys.

On occasion we supply replacement component parts for SUPERCLAMP models, but we do not accept any responsibility for these unless they are installed by a person with appropriate knowledge and training and the statutory tests and inspections are carried out on completion of repair.

Unless we are informed at time of inquiry and order about particular hazardous environmental conditions all equipment is supplied on the assumption that it will be used in normal atmospheric and temperature conditions as applicable within the contiguous United States.

Working Load Limit

This is the maximum load which can be applied to the product in service.

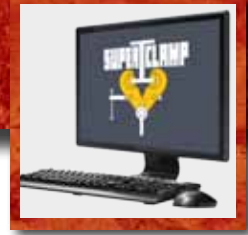
It is of the utmost importance to Health and Safety to ensure that SUPERCLAMP products are only attached to structures, materials or other lifting components which are authentically and authoritatively approved and recommended to carry or sustain the working loads to be applied.

All of our products exceed the provisions of OSH 29CFR Part 1910, 1918, 1926 and ANSI B30 as applicable.

General Information

Our contribution to SAFETY is in securing the QUALITY and RELIABILITY of our SUPERCLAMP products.

Each SUPERCLAMP product is proof tested to twice the Working Loads Limit, unless otherwise stated or required by authoritative recommendations. Tests to destruction ensuring a 5:1 factor of safety are employed throughout the design, development and manufacturing process of our products where required.



Guidelines for the Inspection and Safe Use of SUPERCLAMP™ Equipment

Inspection of SUPERCLAMP Equipment

General:

- 1) Follow all requirements of law, rules and regulations applicable in your country pertaining to lifting operations, ensuring all maintenance, testing, inspection and operator training requirements are strictly adhered to. This is in your interest and can prevent fatal accidents and industrial disaster.
- 2) Checklist:
 - Is any part of the equipment distorted?
 - Are any cracks visible, or is extensive corrosion evident?
 - Is any wear evident at suspension points, wheels, shackles, gears, pivots, pins, bolts, threads, springs or other moving parts?
 - Are locking arrangements functional and safe?
 - Are the Work Load Limit, serial numbers and other markings legible?
 - Have all inspections or tests been regularly recorded?

Safe use of SUPERCLAMP Equipment

- 1) Ensure that the selected SUPERCLAMP equipment is of a suitable type for the lifting or suspension operation you intend to undertake.
- 2) Ensure that structures to which SUPERCLAMP equipment may be fitted are of adequate design and comply with all legal requirements. Structures designed for lifting operation purposes are usually marked with the Working Load Limit which may not be exceeded. Ensure that structures are tested and certified for such use and that the appropriate certificate is current.
- 3) Never stand beneath a suspended load.
- 4) SUPERCLAMP products are primarily designed for in-line use only, and the equipment is thus marked. Never use SUPERCLAMP products for side loading applications unless this is specifically recommended on the original SUPERCLAMP identification plate affixed to the unit. If the identification plate states that the unit must be used at 0 degrees only, then NO side loading/angle loading is permitted.
- 5) Never use a single clamp as a lifting point on a beam/girder. Always use two or more clamps to ensure a stable lift: use a spreader beam when applicable.
- 6) SUPERCLAMP products must not be attached to defective structure or materials. Ensure that runway beams are fitted with endstops and are free from defects. Should a defect on a runway beam or structural member be observed, remove the SUPERCLAMP unit immediately and report your observations to your supervisor.
- 7) When selecting SUPERCLAMP products, ensure that the calculated working load limit requirement allows for any additional weight of equipment which may be suspended together with the original load to enable the lifting operation to take place.
- 8) Ensure that all mechanisms on SUPERCLAMP products are working freely before being used for the application intended.
- 9) Never replace worn components except with original SUPERCLAMP parts. Where products are fitted with replaceable jaws, incorporating teeth showing wear, it is strictly prohibited to recut or resharpen these. Cams or jaws incorporating teeth can be easily replaced with original SUPERCLAMP components from your approved SUPERCLAMP distributor.
- 10) Always ensure that repaired products are inspected and tested in accordance with the laws of your country prior to being released for operation.
- 11) Ensure that all persons using SUPERCLAMP equipment are properly trained in performing lifting operations and competently using this type of equipment.

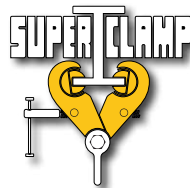


- 12) If multipoint lifting operation are undertaken, always ensure that no single SUPERCLAMP unit or single point of lift is at any time required to exceed its maximum working load limit. Do not exceed angle ratings at any time as this may prove excessively dangerous.
- 13) Always ensure that parts are reassembled correctly after disassembly or repair.
- 14) Never throw or drop any SUPERCLAMP equipment as this may be hazardous or may cause injury to people or plant.
- 15) If in doubt about the suitability of SUPERCLAMP products for your application, contact your nearest distributor or the factory.
- 16) Your nearest SUPERCLAMP distributor will advise on applications if required.

MINIMUM RADIUS FOR RUNWAY BEAM TROLLEYS

BA - Series	4.9 foot radius / 1.5 metre radius
B - Series	4.9 foot radius / 1.5 metre radius
A - Series	4.9 foot radius / 1.5 metre radius
GBT - 1/2/3	4.9 foot radius / 1.5 metre radius
GBT - 4/5	6.5 foot radius / 2.0 metre radius

**SIDE LOADED ACROSS
THE BEAM ONLY**



**MAY BE SAFELY USED AT A 15 DEGREE
ANGLE WITHOUT REDUCTION OF
WORKING LOAD LIMIT**

Reduction In Working Load Limits When Side Loads Applied			
Angle From Vertical	0° - 15°	16° - 30°	31° - 45°
Reduction Factor	NIL	17%	34%
Models	WLL/lb	WLL/lb	WLL/lb
S2A, S5A	6,720	5,577	4,435
S3	8,960	7,436	5,913
S3X, S3A, S6A	11,200	9,296	7,392
S4S	13,440	11,155	8,870
S4A, S11	22,400	18,592	14,784
S12, 214	33,601	27,888	22,176
S15, S16	44,800	37,184	29,568
S17, S18	56,000	46,480	36,960
S19, S20	67,200	55,776	44,352

The above working load limits and deviations have been established specifically for most "s" type clamps and only in overhead beam attachment, i.e. do not apply if clamps are to be used for lifting beams. (The Universal SUPERCLAMP "USC" has been specifically designed for this purpose.) The tables apply to our clamps only (selected models) and we strongly advise that stress calculations should be carried out (by the user's engineering department) for any/all support steel work.

WARNING: All clamps must be correctly applied to the beam by a competent person and fully hand tightened. If in doubt, contact the manufacturer for their recommendations.



SUPERCLAMP™ HEADROOM CHART

Measurement is taken from under side of beam to load bearing point of inner crown of shackle.

MODEL	ADJUSTMENT MIN	ADJUSTMENT MAX	HEADROOM AT MIN	HEADROOM AT MAX
S1	3	7.5	8.25	6.25
S2	3	7.5	8.5	7.5
S2A	3	7.5	9	8.5
S3	6	10	10.5	9.75
S3A	6	12	11.5	10.5
S3X	3	7.5	9.5	8.75
S4A	8	18	16	13.75
S4S	8	18	16	13.75
S5	3.5	12	11.75	8.75
S5A	3.5	12	12.25	9.25
S6	3.5	12	12.25	9.25
S6A	3.5	12	12.5	9.5
S7	3	7.5	8.5	7.5
S7A	3	7.5	8.5	7.5
S8	6	10	10.5	9.75
S8A	6	10	10.5	9.75
S11	3.5	12	13.5	11.5
S12	8	18	19.5	16.75
S14	16	24	22.25	19
S15	8	18	20.5	18.5
S16	16	24	22.5	19.25
S17	8	18	20.25	17
S18	16	24	22.75	19.75
S19	8	18	20.25	17
S20	16	24	22.75	20.25
BA1	2.5	8	9.75	8
BA2	3	8	9.75	8
BA3	3	8	9.75	8
B1	3	8	11	9.5
B2	4	12	14	12
B3	4	12	15	13
GBT1	3	8	11	9.5
GBT2	4	12	14	12
GBT3	4	12	15.75	13.75
GBT4	8	18	23	19.5
A1		8		9
A2		12		17
A3		12		19
PFC1	3	7.5	5.5	4.5
PFC2	3	7.5	5.5	4.5



SUPERCLAMP Specifications

The SUPERCLAMP Trade Mark is synonymous with excellence in practical design, effective safety and assured quality control. SUPERCLAMP products are engineered with the aim to provide safety, efficiency and durability.

Originally designed and internationally patented as a beam clamp, SUPERCLAMP products may be used for both hoisting and lifting applications. The line has been expanded to include Runway Beam Trolleys designed like the original SUPERCLAMP to be a one piece fully adjustable trolley. Recently, a new design, the Universal SUPERCLAMP was added to the line. This model is designed to be used at full rated capacity at angles up to 90 degrees in a 360 degree radius.

General Specifications

- Design exceeds 5:1 factor of safety. Periodic tests to destruction are performed to ensure this.
- Each unit is Proof Load Tested at 2:1, and comes with a Certificate of Test and Evaluation.
- Units are individually serial numbered to assist with traceability.
- Side plates are ASTM A588 steel.
- Lifting shackle is fully heat treated and normalized.
- All welding procedures are AWD D1.1 certified.
- Each unit is one piece, fully adjustable and includes attached lifting shackle.
- All trolleys include anti-drop plates as an integral part of the structure.
- Design is covered by U.S. and foreign patents.
- Clamp adjustability range and jaw size are designed to ensure optimum contact with the beam flange to ensure personnel and equipment safety.
- All designs meet or exceed existing codes and regulations, including ANSI/ASME B30.20, "Below the Hook Lifting Devices."
- Full Product Liability Insurance coverage is maintained.
- Manufacturing in the U.S.A.

In use in the Mining; On and Off Shore Mineral Exploration; General Maintenance and Construction industries; SUPERCLAMP continues to lead the way in safe lifting applications.

SUPERCLAMP Benefits and Advantages Safety

- A. There is no doubt that SUPERCLAMP as an anchor point offers probably the safest method of attaching and securing to an overhead girder or arch beam section.

- B. Due to the design and engineering features of SUPERCLAMP, it will not slide, slip or shudder during the lifting operation.
- C. SUPERCLAMP products are designed with a 5:1 Factor of Safety.
- D. Each clamp is issued with a Certificate of Test and Examination.
- E. SUPERCLAMP as a lifting tool either singularly or in pairs (i.e. in the lifting of spreader beams) is undoubtedly the safest means available.

Speed of Application

- A. The left and right hand threaded bar means the SUPERCLAMP can easily be adjusted to facilitate application and can be hand tightened in a matter of seconds to give maximum positive hold.
- B. Similarly the SUPERCLAMP can be disengaged "in seconds" without involving the user in any untidy and dangerous operation.
- C. Before and after application, SUPERCLAMP remains a complete unit with no loose component parts. All component parts of SUPERCLAMP are an integrated and fixed part of its mechanical function.

Versatility

- A. The tremendous adjustability of SUPERCLAMP means that very often one unit can be employed in various applications and situations where alternative methods involve up to three or more individual units. In short, one SUPERCLAMP replaces three of anyone else's.
- B. SUPERCLAMP is sold into a worldwide range of industries with many varied applications: Wherever there is a lifting situation!

Cost Savings

We have a recertification program where the clamp can be returned to us to be repaired, load tested, and recertified. This is more cost effective and time efficient than replacing the clamp.

Quality and Reliability

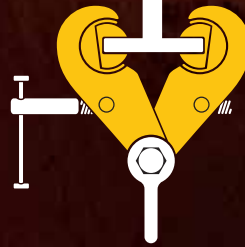
SUPERCLAMP products are manufactured to the highest standards using the finest materials available:

- *High Tensile Steel:* Shackle, bolts, sideplates
- *Mild Steel:* Threaded bar, jaw assemblies

SUPERCLAMP products are easily stored in one piece and are readily available for maintenance and inspection.



SUPERCLAMP



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Your Local SUPERCLAMP Distributor is: