

MATERIAL HANDLING

2 Jaw Lifting Hook

Features

To eliminate metal fatigue and breakage during conventional lifting operations, repeated fatigue tests resembling actual lifting operations have been conducted at the National Research Institute for Metal Materials. This model withstood 2,650,000 repetitions of the test, demonstrating that the clamp has a long life. Furthermore, annealing and other treatments to repair fatigue damage are not needed.

- 1) Special alloy steel is used, and as a precision drop forged, heat treated product, resistance against fatigue is greatly improved.
- 2) Since it is drop forged, it is lightweight.
- 3) Models DL-B and DL-B/B have wire latches.

TYPE DL

1Ton
AQ00595
2Ton
AQ00596
3Ton
AQ00597
5Ton
AQ00598



TYPE DL-B

1Ton
AQ00599
2Ton
AQ00600
3Ton
AQ00601
5Ton
AQ00602

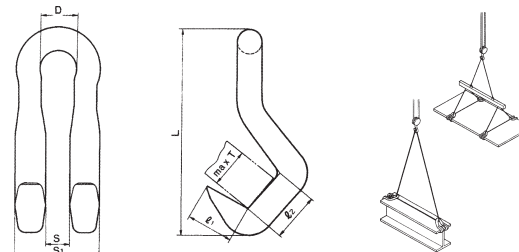


Specifications

Basic Use Load	Hook Weight		Max. Thickness	S	S1	D	L	Hook Weight (kg)
	I ₁	I ₂						
1 TON	40	45	40	26	80	34	185	1.7
2 TON	55	55	50	30	100	44	250	4.0
3 TON	65	60	55	40	116	54	300	6.0
5 TON	90	80	75	62	162	70	360	13.5

Hook naming style: (example) Model DL 2-Ton

Dimensions



HP-y Drawing Clamp

Features

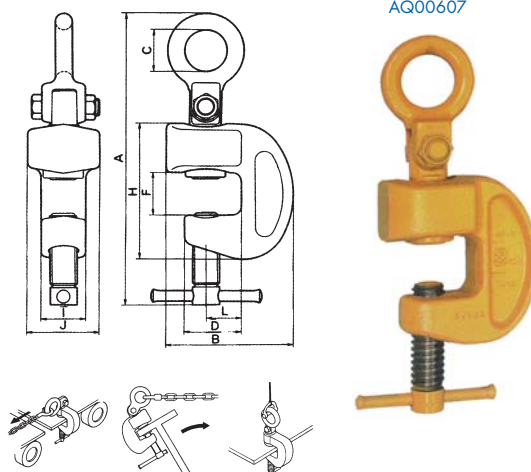
A unique mechanism has been developed to eliminate deformations in the pieces being drawn. It can also be used for lifting (angles up to 60°).

- 1) By preventing deformations, operating safety is improved. This type of clamp no longer needs an additional component, found to cause deformations when lifting sections vertically, horizontally, or at an angle. Thus, work safety is increased, and the life of the hook is lengthened.
- 2) Multifunctional. Useful for a variety of purposes, including the lifting, drawing and other moving of sections using both chains and lever blocks.
- 3) As seen from above the ring, the clamp can be rotated 360° horizontally, enabling a wide range of setting options. Unloaded, the ring turns 360°, thus avoiding unnecessary bending load in the drawing direction.
- 4) Drawing hook side-sliding prevention mechanism. During right/left, forward/backward, and diagonal drawing a strong gripping force ensures the bolt bites into the load. The clamp will therefore not slide sideways.

Specifications

Code No.	Basic Use Load	Grip Width (min) (max)	A	B	C	D	F	H	I	J	L	Clampweight (kg)
AQ00607	1/2 TON	0-30	284	123	38	60	40	133	40	65	40	4.0
AQ00608	3 TON	0-40	340	140	48	65	50	156	50	80	40	6.9

Clamp naming style: (example) Model HP-Y 1 1/2-ton



FP-YF Flawless Drawing Clamp

Features

This non-damaging drawing clamp leaves no grip marks on steel frames, high-tensile steel plates for bridges, pressure vessels, stainless steel, etc. It can also be used for lifting. After lifting, pulling, straightening, or removing deformations in construction pieces, it is no longer necessary to remove clamp marks with a grinder or other tools.

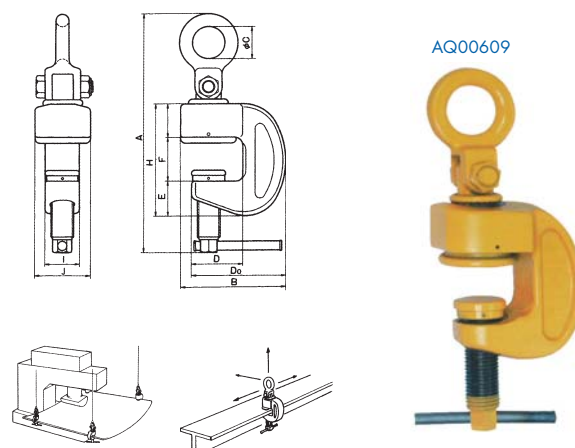
- 1) This is the sister clamp to the HP-Y, but the upper and lower parts have special mechanisms which do not mark the load.
- 2) It offers multifunctionality in line with the types of sections moved and combined use with chain and lever blocks, etc.
- 3) Because the ring rotates 360° when unloaded, it can be freely positioned in the drawing direction, thus avoiding damage to the load.
- 4) It can also be used for lifting (lifting angle up to 60°).

Specifications

Code No.	Basic Use Load	Grip Width (min) (max)	A	B	C	D	F	H	I	J	L	Clampweight (kg)
AQ00609	1/2 TON	0-30	280	122	38	60	132	40	40	52	65	4.3
AQ00610	3 TON	0-40	360	140	48	65	156	60	40	70	90	7.4

Clamp naming style: (example) Model FP-YF 1 1/2-ton

Dimensions



CAUTION

The clamp grips strongly in left/right, forward/backward, and diagonal directions, but vertical lifting is dangerous, so please do not attempt it.

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