

**INSTRUCTIVE!**

**INDUSTRY ESTANDAR HORIZONTAL  
PLATE CLAMPS**



## SAFETY

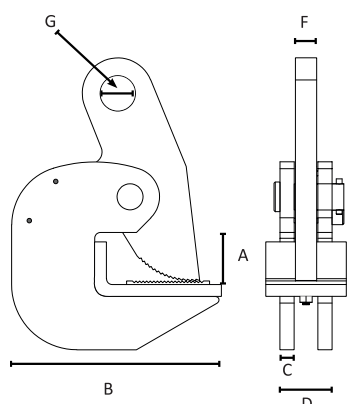
This manual contains important information for the correct installation, operation, and maintenance of the equipment described in this document. The use of any clamp presents a certain risk of personal injury or property damage, which is why anyone involved in such installation, operation, and maintenance must be fully familiar with the content of this manual.

The horizontal clamp, in addition to serving for lifting metal sheets and plates, is well suited for rotating on steel structures and welded constructions.

They are rated 4:1.

Do not use the clamps in areas containing flammable vapors, liquids, gases, or dust or combustible fibers. Do not use the clamp in highly corrosive, abrasive, or humid environments or in applications involving exposure to temperatures below  $-40^{\circ}\text{C}$  or above  $80^{\circ}\text{C}$ .

## SPECIFICATIONS



**Complies with or exceeds standards ASME B30.20 | EN 13155**

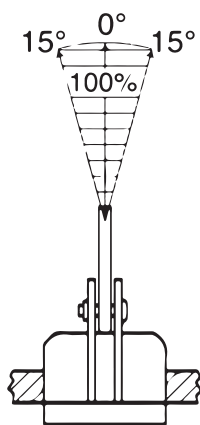
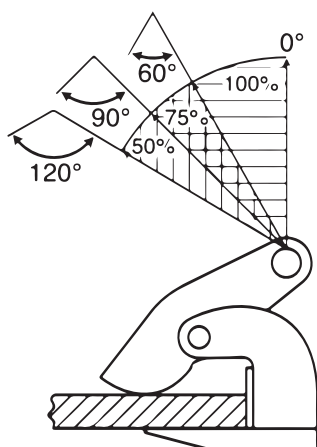
WLL t.	Dimensiones* mm						Peso* kg
	A	B	C	E	F	G	
1	30	148	10	40	205	16	2,5
2	40	172	10	47	245	18	5
3,2	45	180	14	50	245	18	6
5	55	180	16	56	260	20	7,5
10	125	325	22	75	500	28	33

\*Approximate dimensions and weights | Gorila Brand | Certified Product

## INSTALLATION

- Estimate the plate to be lifted or moved and ensure it does not exceed the nominal load of the clamp.
- This shackle clamp can be used for lifting and transporting the plate at various angles, but the load capacity is reduced, as shown in the following diagram showing load/force capacities.

## FORCE DIAGRAM



When using lifting clamps for horizontal transport, it must be observed that the double-chain load capacity is as follows:

Up to  $60^{\circ}$  = 100% of the limit

Up to  $90^{\circ}$  = 75% of the limit

Up to  $120^{\circ}$  = 50% of the limit

Ensure that the plate surface has a hardness less than 30 HRC / Brinell1300.

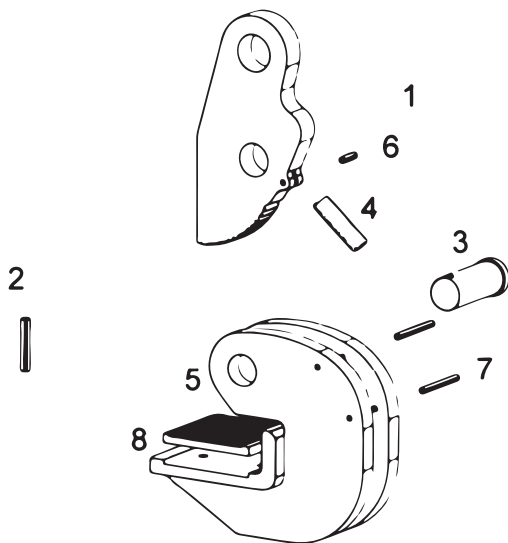
**IMPORTANT!** Must be used in pairs.

## OPERATION

To prevent damage and/or personal injury:

1. Do not exceed the maximum load of the clamp.
2. Do not use the clamp to lift or transport people.
3. Do not use a clamp or jaw that is not functioning correctly.
4. Do not lift or transport loads over people.
5. Do not lift the plate that is not fully engaged with the clamping jaws.
6. Do not leave the load supported by the clamp unattended unless specific precautions have been taken.
7. Do not lift unbalanced loads, and the holding action is not secure.
8. Ensure the condition of the load to be lifted.
9. Ensure to keep away from or the turning area of the objects being lifted.

## PARTS AND PIECES



1. Clamping jaw
2. Roll pin
3. Jaw pin
4. Locking
5. Body
6. Roll pin
7. Roll pin
8. Body jaw screw

## USES OF HORIZONTAL CLAMP

