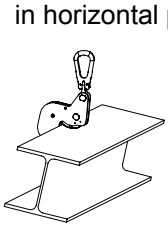
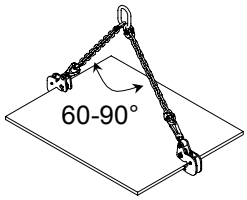
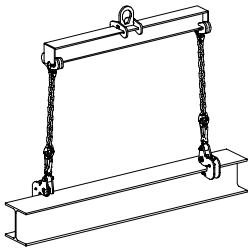
technical sheet	KP automatic plate and girder clamp	ref. : T 6015 GB rev. : 2 date : Jun. 03 page : 1/ 2

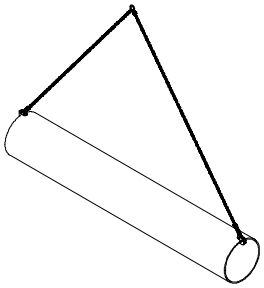
Applications

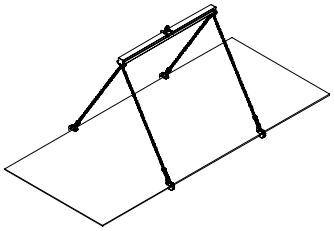
Lifting by the flange of I or H profiles ; fabricated assemblies, plates in horizontal position.

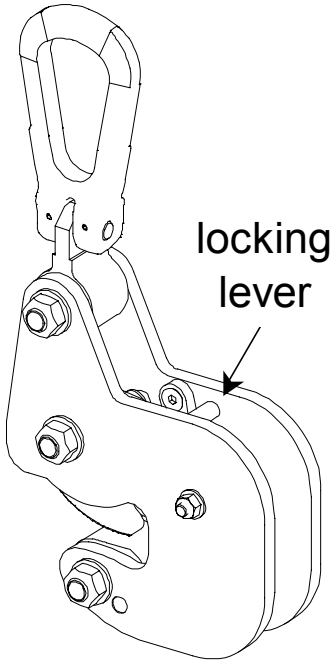












Description

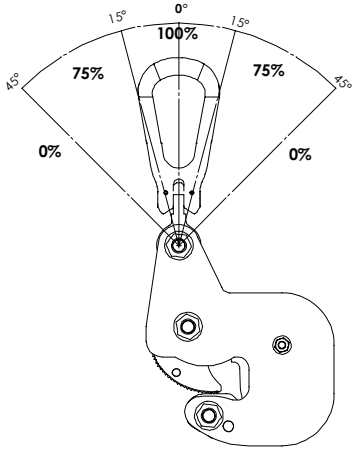
Clamp fitted with a safety spring mechanism allowing permanent contact of the cam on the load to be lifted, even when it is being laid down. This model is also equipped with an automatic grasping ensuring the clamp's closing when the plate or profile is positioned at the back of the clamp's throat. The locking lever does not stick out so that it cannot be damaged. The corrugated cam only marks one side of the load.

Functioning

So as to open the clamp's cam, push the lever situated on top between the 2 flanges until the trigger activates ; the clamp thus locks itself in the open position. When the load is driven home into the clamp's throat, the trigger activates and the clamp closes automatically.
The corrugated cam penetrates the load's material. Lifting ensures proportional clamping. To release the clamp, push the lever downwards. The clamp may also be used without the automatism being activated. To do so, use the manual opening and closing thanks to the lever without bringing it to its limit stop (trigger not activated).
Use in pairs (with a lifting beam in case of several pairs) and 2-legged sling(s) for handling horizontal plates.

Particular instructions

- The plate or piece to be lifted must always be driven home into the throat of the clamp.
- Load maximum surface hardness: 330 HB and minimum tensile strength 20 daN/ mm^2.
- Some stainless steels are particularly abrasive ; closely check the condition of the cam's teeth in this case.
- For safety's sake, ensure the clamps are always unlocked when not in use (closed cam).
- Never lift more than one plate/ girder at a time.
- Apply the downgradation if necessary.
- Recommended sling angle when lifting horizontal plates: 60 to 90°.
- Working temperature: -20° to +100°C.



General characteristics

- Manufacture without load bearing weld.
- Hot epoxy coating.
- Safety factor: 4 in accordance with the European Materials Handling Federation (1998 FEM 3rd edition) ; working group FEM A5 and lifting speed 60 m/ mn.

Dimensional characteristics

Ref.	Group code	WLL kg	Opening		A	B	C	D	F	G	H	I	J	Weight kg
			min	max										
KP1 0-20	50218	1 500	0	20	283	144	120	40	71	40,5	13,5	11	62	3,3
KP2 0-30	50228	3 000	0	30	417	214	185	62	115	66	22	20,5	92	9,8

Dimensions in mm