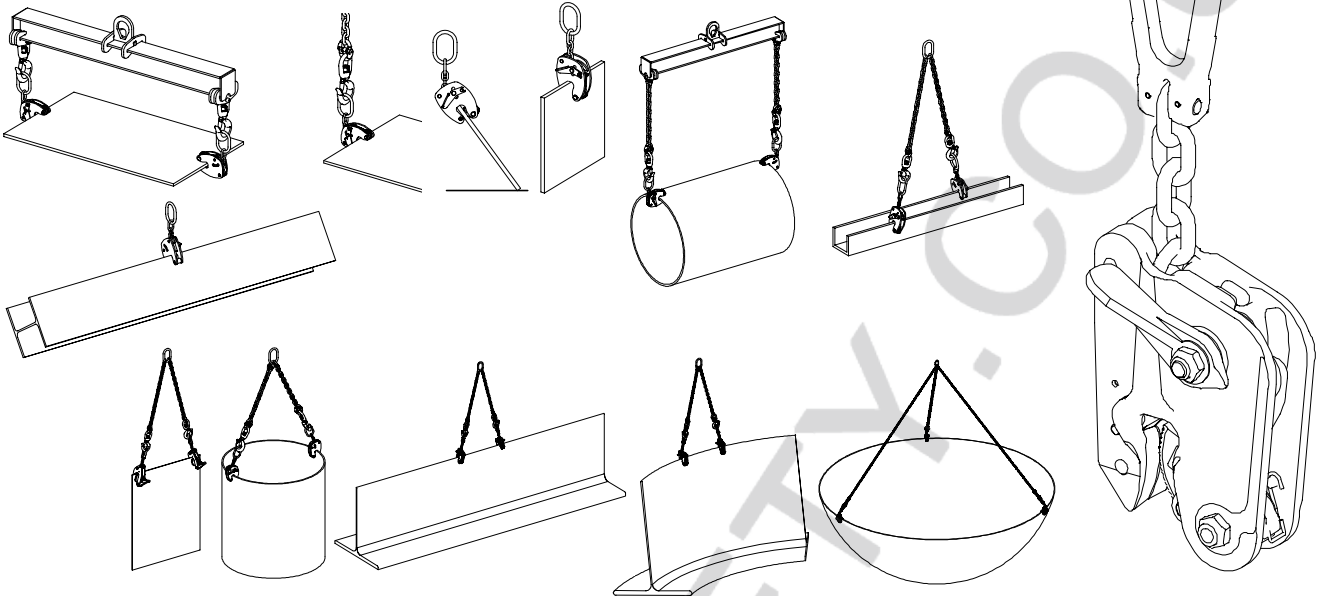


Applications

Lifting and revolving of plates, profiles, fabricated assemblies, steel frames ...



Description

Clamps fitted with a safety spring mechanism for a permanent contact of the cam onto the piece to be lifted, even when it is being put down. This model also offers an automatic grasping mechanism, ensuring the clamp's locking when the plate is correctly positioned ie. at the back of the clamp's throat. The locking lever does not stick out so that the clamp may be used on the bare ground. The chain enables the revolving and makes the clamp's positioning easier. The corrugated cam only marks one side of the load.

Functioning

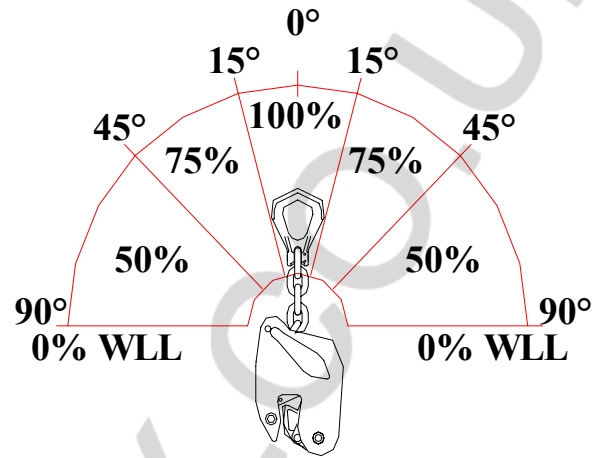
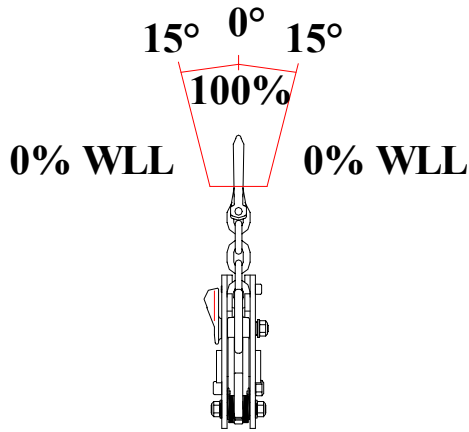
So as to open the clamp's cam, push the locking lever downwards, until the trigger activates ; the lever remains in a down position. When the load is driven home at the back of the clamp's throat, the trigger activates and the clamp locks itself automatically.

The corrugated cam penetrates into the load's material. Lifting ensures proportional clamping, thus avoiding marking the load excessively. To release the clamp, push down the locking lever completely, until it locks in the open position. 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). Loads may be grasped horizontally or vertically and revolved in inverse position (90 or 180°).

Particular instructions

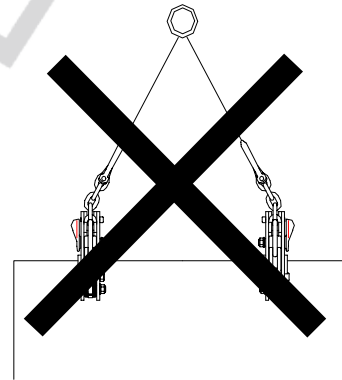
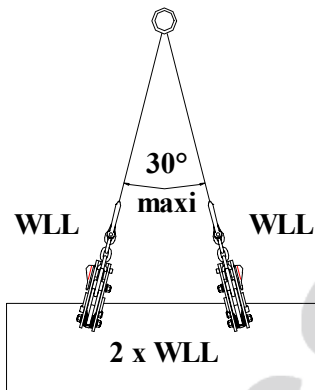
- Do not use for fragile loads.
- Using a NK marks the load.
- The plate or piece to be lifted must always be driven home into the throat of the clamp.
- Load maximum surface hardness 330 HB and minimum tensile strength 20 daN/ mm².
- Some stainless steels are particularly abrasive ; closely check the 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 at a time.
- Apply the downgradation if necessary.
- Working temperature: -20° to +100°C.

- *Lifting function:* do not exceed the allowable 15° angle between the chain and the flanges' plane.

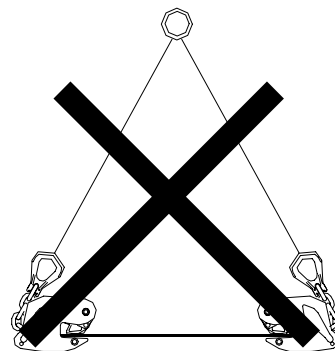
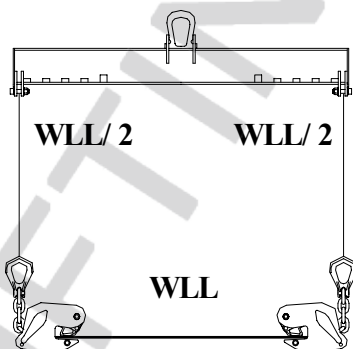


- *Turning function:* for this application, the clamp's working load limit is divided by 2.

- *Function lifting of loads in a vertical position with 2 clamps and no lifting beam:* do not exceed the 30° sling angle.



- *Function lifting of loads in an horizontal position using 2 clamps at least and a lifting beam:* the working load limit of each clamp is divided by 2.



**technical
sheet**

NK

automatic multiposition plate clamps

ref. : **T 6013 GB**
 rev. : **2**
 date : **Jun. 03**
 page : **3/ 3**

General characteristics

- Manufacture without load bearing welds.
- 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		K	B	C	D	E	F	G	H	I	J	Weight kg
			min	max	min	max											
NK1 0-20	50288	1 500	0	20	372	407	185	120	30	8	68	82,5	72	13	41	10,5	4
NK1 20-40	50298	1 500	20	40	385	430	224	151	44	8	81	82,5	72	13	41	10,5	5,8
NK1 40-60	50308	1 500	40	60	400	445	250	171	44	8	96	82,5	72	13	41	10,5	6,9
NK2 0-30-M	50318	3 000	0	30	594	645	278	190	58	13	95	122	117	22	68	20,5	12
NK2 30-60	50328	3 000	30	60	608	662	310	210	65	13	113	122	117	22	68	20,5	16
NK2 60-90	50338	3 000	60	90	631	680	338	245	70	13	128	122	117	22	68	20,5	17
NK3 0-40	50348	4 500	0	40	645	711	362	250	66	13	135	140	117	22	68	20,5	26
NK3 40-80	50358	4 500	40	80	655	719	395	270	80	13	160	150	117	22	68	20,5	28
NK3 80-120	50368	4 500	80	120	696	760	437	312	82	13	180	145	117	22	68	20,5	32
NK5 0-50	50378	7 500	0	50	993	1108	475	326	98	18	150	235	205	35	100	25	42,3
NK5 50-100	50388	7 500	50	100	1048	1162	518	330	95	18	205	235	205	35	100	25	50
NK5 100-150	50398	7 500	100	150	1080	1188	562	395	105	18	230	235	205	35	100	25	60

Dimensions in mm

