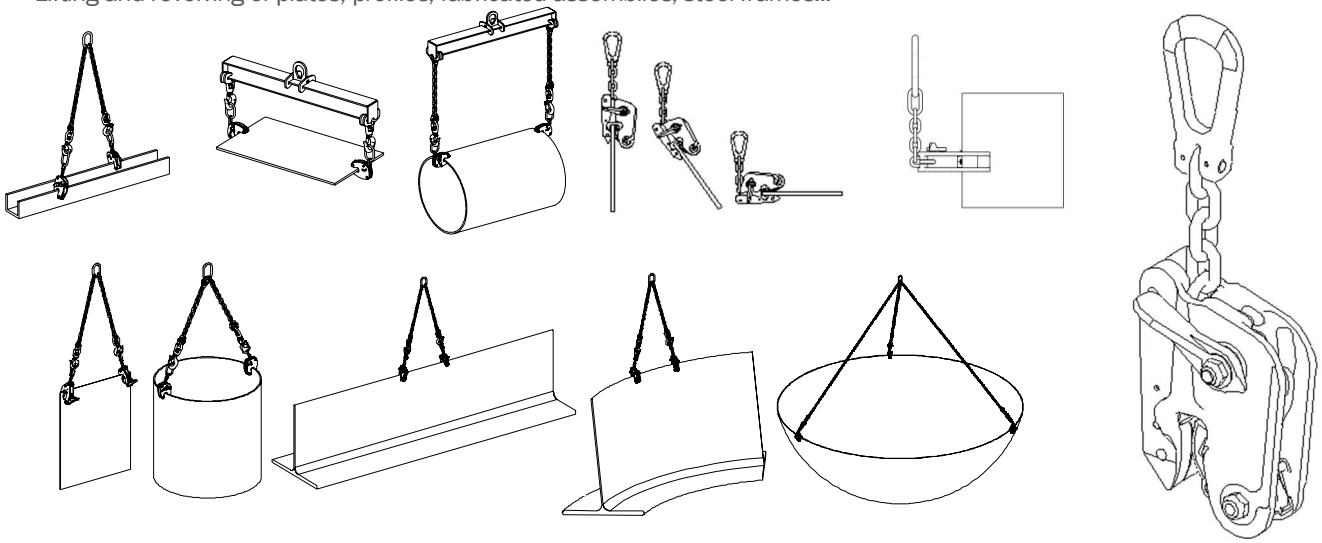
APPLICATIONS

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 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.

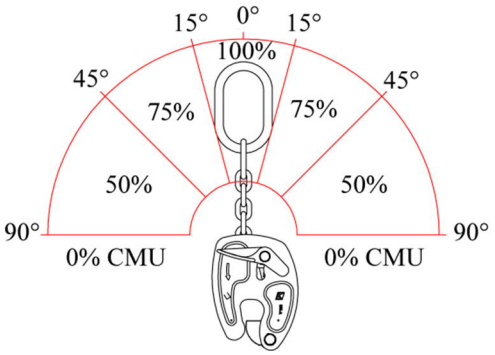
FUNCTIONING

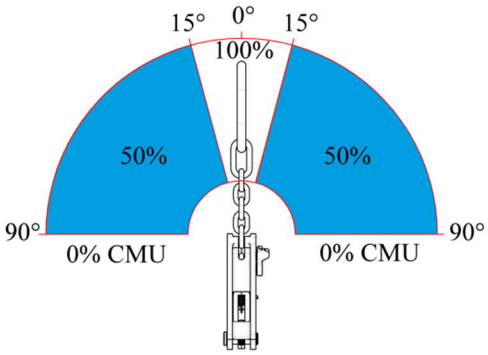
So as to open the clamp's cam, push the locking lever downwards, until the trigger activates; the lever remains in a down position.
When the load is driven home at the back of the clamp's throat, the trigger activates and the clamp locks itself automatically.
The corrugated cam penetrates into the load's 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°).
The pieces can as well be taken from the side in order to tip them over.

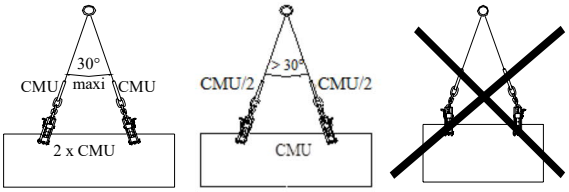
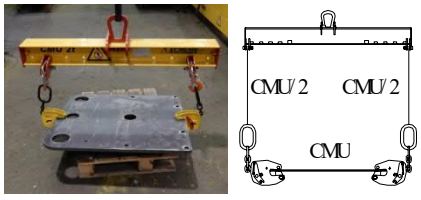
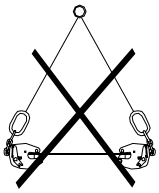
GENERAL CHARACTERISTICS

- Manufactured without load bearing welds.
- Hot epoxy coating.
- Safety factor: 3 in accordance with the EN 13155.2003 norm.
- Every clamp is tested twice the working load limit.
- 1 year warranty against any defect of fabrication.

USE





		LIFTING	TURNING
VERTICAL PLATE	ONE CLAMP	 WLL at 100% +/- 15° around the vertical	 WLL reduced with 50%
	2 CLAMPS WITHOUT LIFTING BEAM	 WLL reduced with 50% if lifting angle exceeds 30°	
HORIZONTAL PLATE	ONE CLAMP		 WLL reduced with 50%
	2 CLAMPS WITH LIFTING BEAM	 WLL reduced with 50%	
	2 CLAMPS WITHOUT LIFTING BEAM		

IMPORTANT INSTRUCTIONS

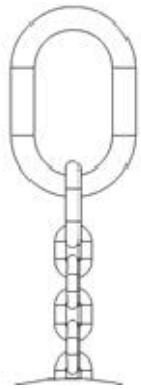
- Do not use for fragile loads.
- Using an NK marks the load..
- The plate or piece to be lifted must always be driven home into the throat of the clamp...
- Load maximum surface hardness: 330 HB and minimum tensile strength 20 daN/ mm².
- Some stainless steels are particularly abrasive; closely check the condition of the cam's teeth in this case.
- For safety's sake, ensure the clamps are always unlocked when not in use (cam closed).
- The minimum weight of lifting load should be equal to 5% of the clamp's WLL (eg if clamps WLL is 1000 kg, then minimum weight is 50 kg). This value is given for a clamp in perfect working order and respecting Tractel Solutions SAS conditions of use and recommendations. Consult Tractel in case of loads with weight inferior to the minimum recommended value.
- Lifting clamps are not suitable for creating permanent joints.
- Never lift more than one plate at a time.
- Ne prendre qu'une tôle à la fois.
- Apply the downgrading if necessary.

DIMENSIONAL CHARACTERISTICS

Reference	Group code	WLL kg	Opening		A		K	B	C	D	E	F	G	H	I	J	L	weight kg
			min	max	min	max												
NK1 0-20*	50288	1500	0	20	435	470	185	120	30	8	68	82,5	110*	Φ8	60*	10,5	82	4
NK1 20-40*	50298	1500	20	40	448	493	224	151	44	8	81	82,5	110*	Φ8	60*	10,5	97	6
NK1 40-60*	50308	1500	40	60	463	508	250	171	44	8	96	82,5	110*	Φ8	60*	10,5	112	6
NK2 0-30	50318	3000	0	30	594	645	278	190	58	13	95	122	117	22	68	20,5	120	13
NK2 30-60	50328	3000	30	60	608	662	310	210	65	13	113	122	117	22	68	20,5	142	15
NK2 60-90	50338	3000	60	90	631	680	338	245	70	13	128	122	117	22	68	20,5	157	17
NK3 0-40	50348	4500	0	40	645	711	362	250	66	13	135	140	117	22	68	20,5	163	25
NK3 40-80	50358	4500	40	80	655	719	395	270	80	13	160	150	117	22	68	20,5	188	26
NK3 80-120	50368	4500	80	120	696	760	371	312	82	13	180	145	115	22	66	20,5	208	27
NK5 0-50	50378	7500	0	50	993	1108	402	326	98	18	150	235	205	35	100	25	200	42
NK5 50-100	50388	7500	50	100	1048	1162	449	330	95	18	205	235	205	35	100	25	244	50
NK5 100-150	50398	7500	100	150	1080	1188	474	395	105	18	230	235	205	35	100	25	267	60

* versions with round ring

Dimensions in mm



Round ring for NK1 clamps