

Instortlussen metaal - CIL

When using the CLPT cast-in lifting loops, attention must be paid on following instructions for installation.

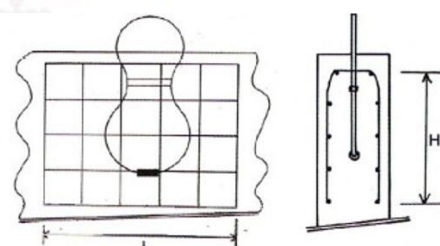
Prior concreting of precast units, loops are installed in the mold in a way that their position is secured and measures 'e' and 'f' comply to according tables hereunder mentioned.

In the upper end of the loop, which looks out of the hardened concrete, the diverse lifting equipment snatch in. Precast concrete units for transport must have a minimum reinforcement according to the table above. An already existing static- structural reinforcement may be taken into account on requested minimum reinforcement according to table above. The minimum reinforcement guarantees local transmission of load through the cast-in lifting loop, but it does not replace requested reinforcement according to static calculation.

Should the occasion arise to cut out single bars for installation of the lifting loops, these bars have to be replaced by stirrups of same diameter and strength with sufficient length according to DIN 1045.

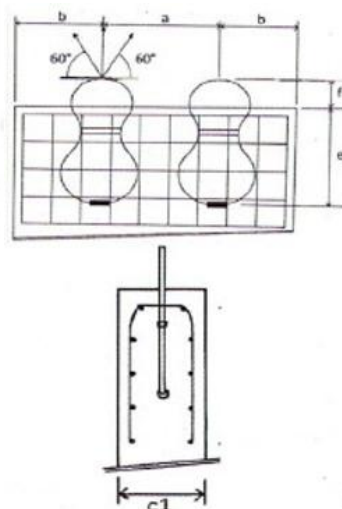
Dependent on size of the anchor, following dimensions should be observed:

- **Minimum installation depth**
- **Minimum unit width**
- **Minimum edge distances**
- **Minimum distances of cast-in lifting loops underneath each other**



These dimensions are different for a parallel installation than for a vertical installation. The CIL cast-in lifting loop has to be carefully fixed on the reinforcement to avoid change of their position during concreting. Care must be taken that angled pulling is only possible within certain limits (see pictures below).

Parallel Installation	Load kg concrete 15N/mm ²	e mm	f mm	c1 cm	a cm	b cm
CIL-008	800	150	60	7	54	27
CIL-012	1.200	160	65	9	62	31
CIL-016	1.600	165	70	12	69	35
CIL-020	2.000	195	80	14	83	42
CIL-025	2.500	230	85	16	89	45
CIL-040	4.000	240	100	22	100	50
CIL-052	5.200	260	100	29	103	52
CIL-063	6.300	280	110	32	115	58
CIL-080	8.000	320	120	40	129	65
CIL-100	10.000	390	135	44	146	73
CIL-125	12.500	420	150	56	162	81
CIL-160	16.000	450	165	62	186	93
CIL-200	20.000	550	180	68	212	106
CIL-250	25.000	600	200	75	241	121



Vertical Installation	Load kg concrete 15N/mm ²	e mm	f mm	c2 cm	a cm	b cm
CIL-008	800	150	60	13,5	54	27
CIL-012	1.200	160	65	14	62	31
CIL-016	1.600	165	70	17	69	35
CIL-020	2.000	195	80	17,5	83	42
CIL-025	2.500	230	85	18	89	45
CIL-040	4.000	240	100	22	100	50
CIL-052	5.200	260	100	29	103	52
CIL-063	6.300	280	110	32	115	58
CIL-080	8.000	320	120	40	129	65
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