

System Scaffold

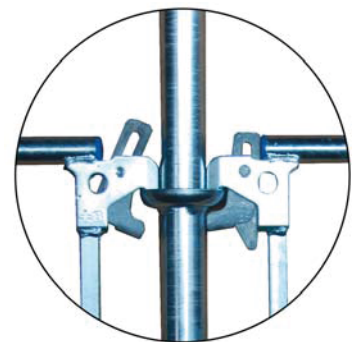
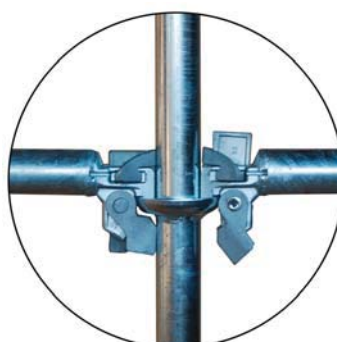
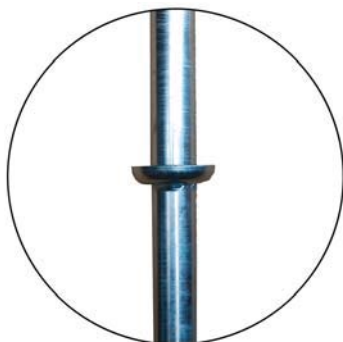
Load Data Previous Design +8LDPD-EN-1

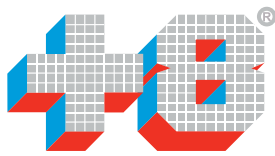
Permitted load classes and component loadings in previous design (PD)

This is a supplement to the current +8 Assembly Guide particularly with reference to the Load section.

It applies to components of previous design that are no longer manufactured but are permitted to be used. In this case, load values are taken from the type approval and type evaluation that applied during time of manufacture.

In this supplement the Load data for previous design components are presented. For all other components information in the current +8 Assembly Guide applies.





System scaffold

+8 Load data Previous Design (PD)

+8LDPD-EN

Load classes and permissible component loads in previous design (PD)

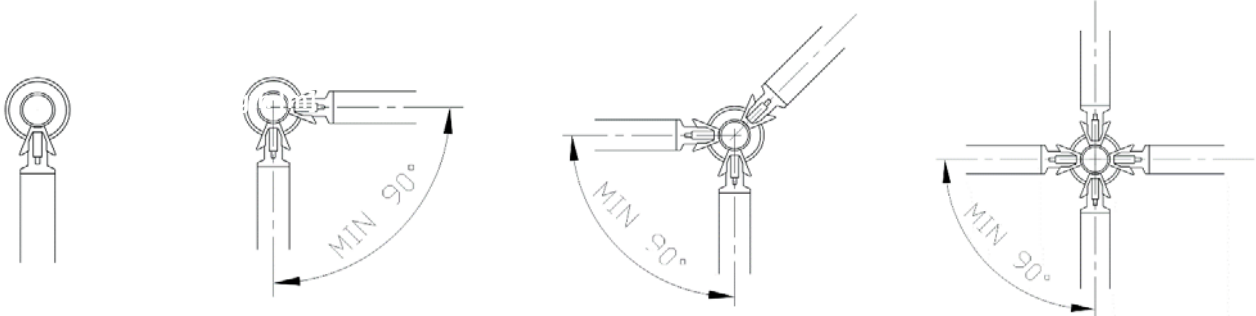
Allowed vertical cup loads in previous design (PD)

One load carrying component
Max 16 kN

Two load carrying components. Min 90° between components.
12 kN/each = Max 24 kN

Three load carrying components. Min 90° between components.
8 kN/each = Max 24 kN

Four load carrying components. Min 90° between 2 components
6 kN/each = Max 24 kN



Load classes for steeldeck in previous design (PD)

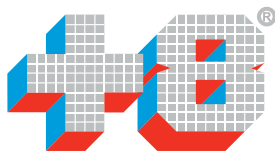
Platform narrow 0.30 m		Load class				
		3.50	3.00	2.50	2.00	1.75
Platform	Material					
PNS	Steel	4	4	5	5	5

Load classes and permissible loads for horizontals, horizontal beams and load beams, in previous design (PD), used as transoms with loads on both sides.

As transom	Load class					Permissible load [kN]		
	Bay length [m]							
Horizontal type								
H50	6	6	6	6	6	27.2	13.6	10.2
H70	6	6	6	6	6	18.9	9.4	7.1
H90	5	5	5	6	6	14.4	7.2	5.4
H100	4	4	5	5	6	12.9	6.5	4.8
HR100	5	5	6	6	6	19.4	9.7	7.3
H125	3	3	4	4	4	10.2	5.1	3.8
HR125	4	5	5	6	6	19.2	9.6	7.2
H175	-	-	-	2	2	6.0	3.0	2.3
HR175	2	3	3	4	4	12.6	6.3	4.7
HB175	3	4	4	5	5	20.0	10.0	7.5
HBNT175	4	4	5	5	6	23.1	11.6	8.7

*) Values apply when SPA is used for load transfer to beam.

Note that the above loads may need to be reduced depending on how many loaded components there are on one cup, see vertical cup loads.



Load classes and permissible component loads in previous design (PD)

Load classes and permissible loads for horizontals, horizontal beams and load beams, in previous design (PD), used as longitudinal beams with loads on one side.

As Long Beam	Load class					Permissible load [kN]			
	Bay width [m]	3.50	3.00	2.50	2.00	1.75	UDL	MPL*	1/3 PL*
Horizontal type								↓	↓↓
H100	6	6	6	6	6	6	12.9	6.5	4.8
HF100	6	6	6	6	6	6	19.4	9.7	7.3
H125	4	5	5	6	6	6	10.2	5.1	3.8
HF125	6	6	6	6	6	6	19.2	9.6	7.2
HF175	4	5	5	5	6	6	12.6	6.3	4.7
HB175	5	6	6	6	6	6	20.0	10.0	7.5
HB175NT	6	6	6	6	6	6	23.1	11.6	8.7
HB200NT	5	5	5	6	6	6	18.6	9.3	7.0
HB250	3	4	4	5	5	5	13.6	6.8	5.1
HB250NT	4	4	5	5	6	6	17.6	8.8	6.6
HB300NT	3	3	4	4	5	5	14.3	7.1	5.4
HB350NT	2	3	3	4	4	4	12.1	6.1	4.6

*) Values apply when SPA is used for load transfer to beam.
 Note that the above loads may need to be reduced depending on how many loaded components there are on one cup - see vertical cup loads.

Load classes and permissible loads for brackets, in previous design (PD) with loads on two sides.

As bracket transom	Load class bracket at lift level **					Load class over / below lift level					Permissible [kN]		
	Bay length [m]	3.50	3.00	2.50	2.00	1.75	3.50	3.00	2.50	2.00	1.75	UDL	EPL
Bracket type													↓
CB10	6	6	6	6	6	6	6	6	6	6	6	12.0	-
CB20	6	4	4	6	6	6	6	6	6	6	6	6.9	2.8
CB30	4	4	5	6	6	6	4	5	6	6	6	4.6	2.0
CB40	3	4	4	5	5	6	4	5	5	5	6	6.1	2.7
CB45	3	4	4	5	5	6	4	4	5	5	6	5.4	2.4
CB50	3	4	4	5	6	6	4	4	5	6	6	8.1	5.3
UB45/50	5	5	6	6	6	6	5	6	6	6	6	12.7	7.4
UB45/50 OH	5	6	6	6	6	6	6	6	6	6	6	15.8	12.8
UB60/70	3	3	3	4	4	4	3	4	4	5	5	6.8	4.2
UB60/70 IH	4	4	5	5	6	6	5	5	6	6	6	12.6	4.4
UB60/70 OH	5	5	6	6	6	6	6	6	6	6	6	18.6	13.4
UB90/100	2	3	3	3	3	3	2	3	3	4	4	6.7	2.9
UB90/100 IH	3	3	3	3	3	3	3	3	4	4	5	8.3	3.9
UB90/100 OH	3	4	4	5	5	6	4	5	5	6	6	16.5	10.8
UB120/125	1	1	1	2	2	2	1	1	1	2	2	4.4	2.4
UB120/125 IH	1	1	1	2	2	2	1	1	1	2	2	4.6	2.2
UB120/125 MH	3	3	3	4	4	4	3	4	4	5	5	14.2	4.9
UB120/125 OH	3	3	4	4	5	5	4	4	5	5	5	16.0	8.7

OH is a brace in the outermost hole.

MH is a brace in the middle hole.

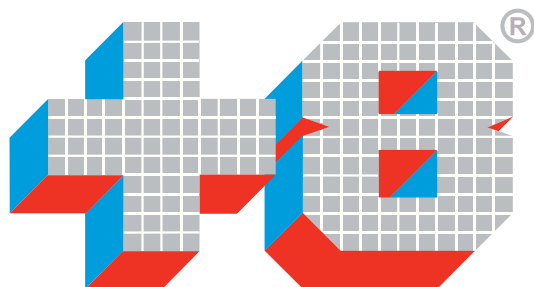
IH is a brace in the inner hole.

EPL is the permitted end point load of an otherwise unloaded bracket.

The above values assume that the brackets are braced in the horizontal plane either using +8 system platforms or with horizontals and plan braces, when required. Always remember to include at least one horizontal/guardrail under and in the same direction as the lowest placed bracket to prevent bending of a single vertical.

Note that the above loads may need to be reduced depending on how many load bearing components there are in a cup - see vertical loads cup.

**) In some cases, in load class 4 - 6, load classes for brackets that are level with the main level are lower due to the fact that the partial load area is calculated throughout both the main and the bracket area.



Developed in Sweden and Denmark and on the market since 1983

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