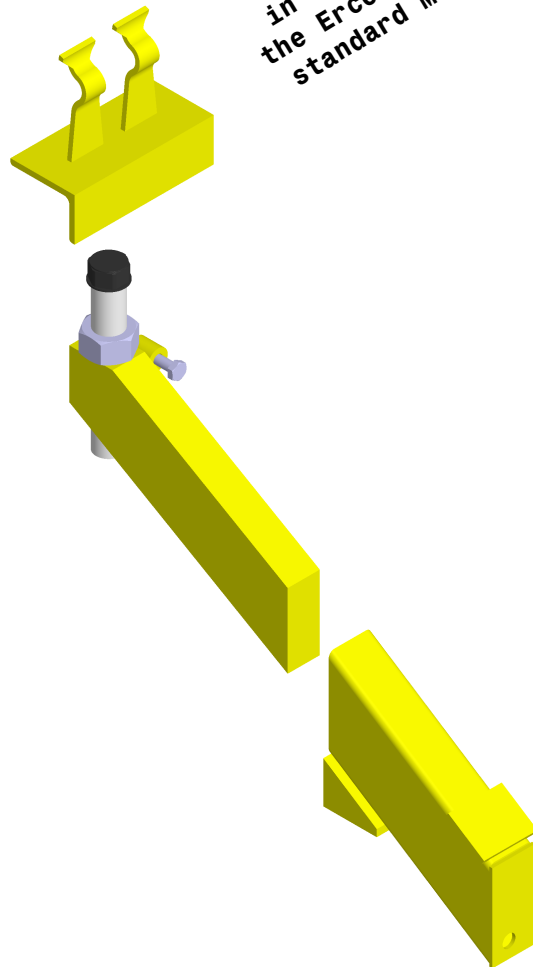


# ERCOLE SNELLA type C

*in addition to  
the Ercole Snella  
standard Manual*

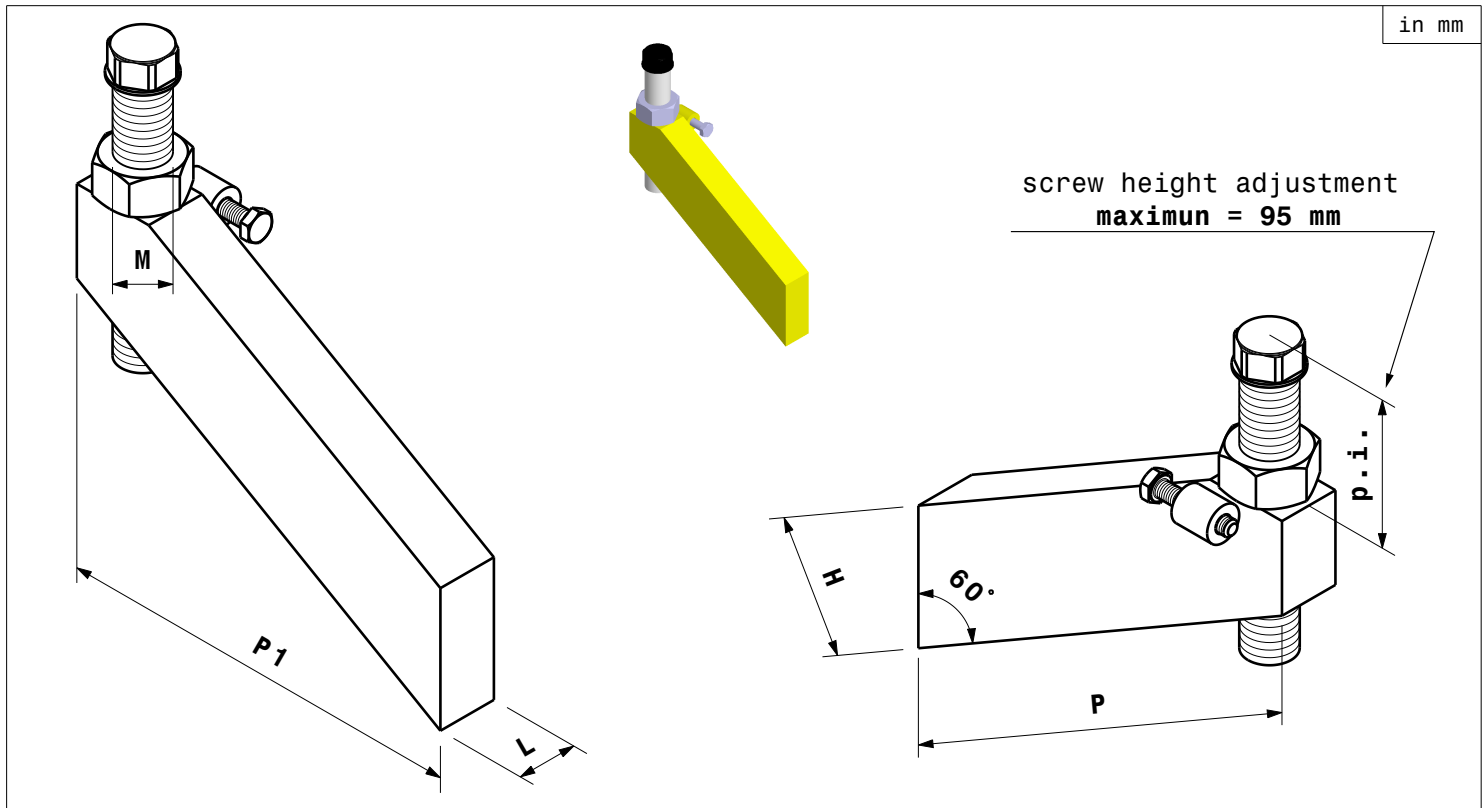


User Manual

08/2015

ENG. 04/12/15

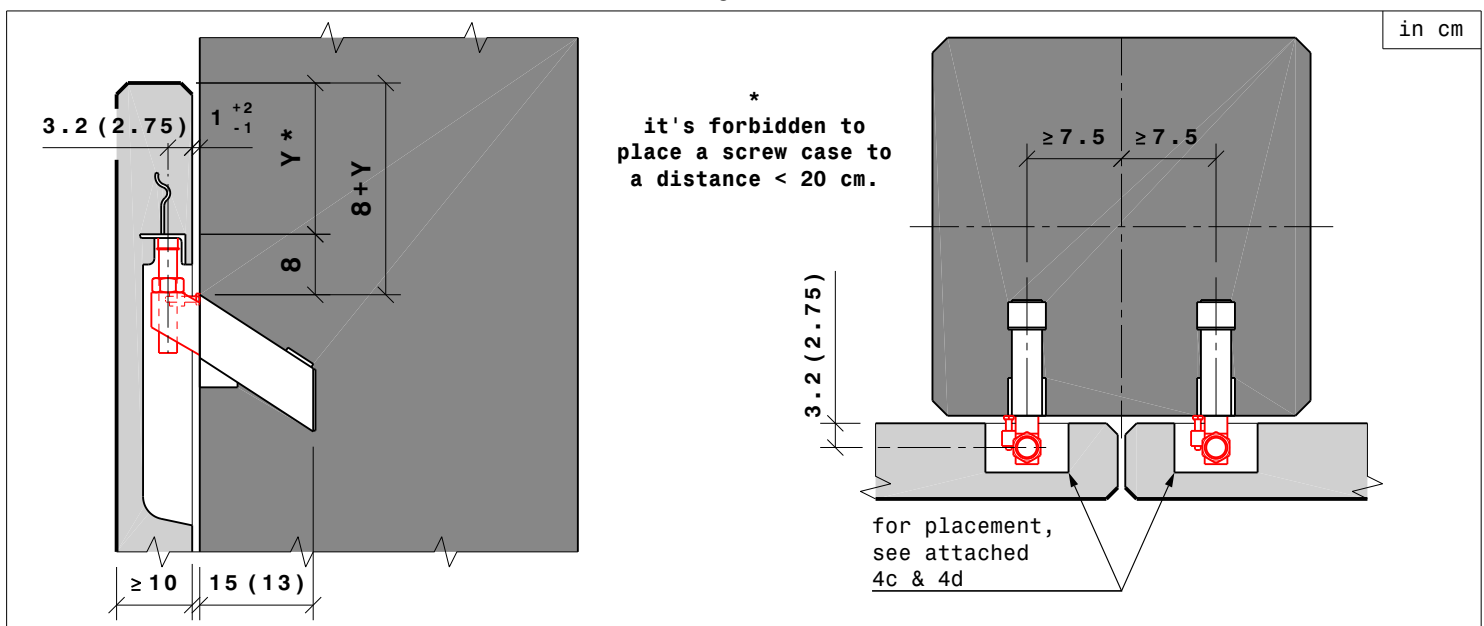
# HERCULES BRACKET "SNELLA" C



Code	Minimum breaking load	Load with safety coef. 2	Load with safety coef. 3	H	L	M	P	P1	p.i.	finishing
C15	4.7 ton	<b>2.3 ton</b>	1.5 ton	30	30	20	205	177.5	72 +23/-31	grey paint
C25	8.0 ton	<b>4.0 ton</b>	2.5 ton	40	30	22	205	177.5	73 +22/-30	black paint
C50	16.0 ton	<b>8.0 ton</b>	5.0 ton	60	30	24	235.6	204	72 +23/-18	yellow paint

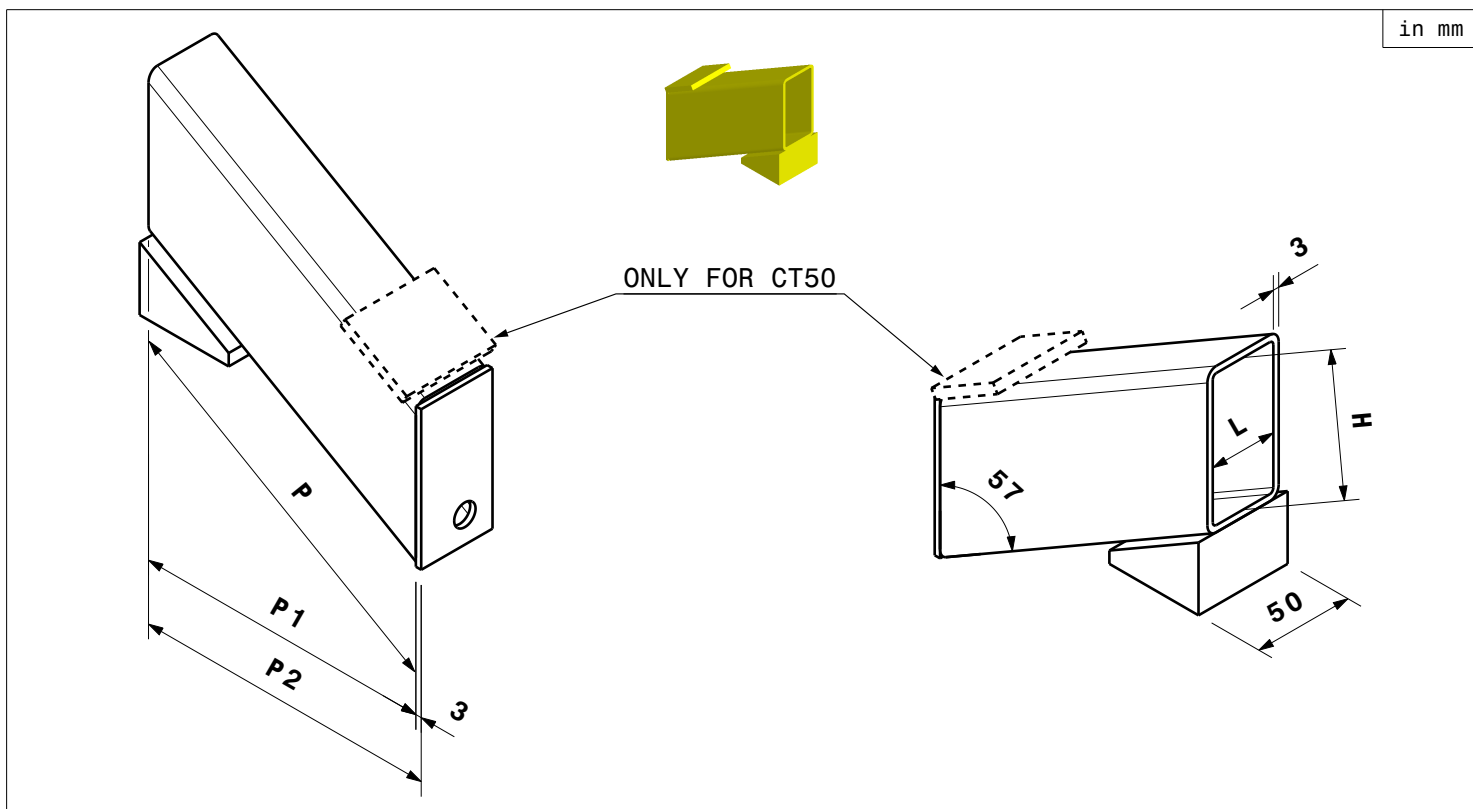
- P = inclined measure
- P1 = horizontal measure
- p.i.= starting position

## PLACEMENT



N.B.: - between parenthesis you will find the values for Hercules Snella 15 and 25;  
 - all the brackets are designed to support only vertical charges, so, horizontal actions cannot be applied.

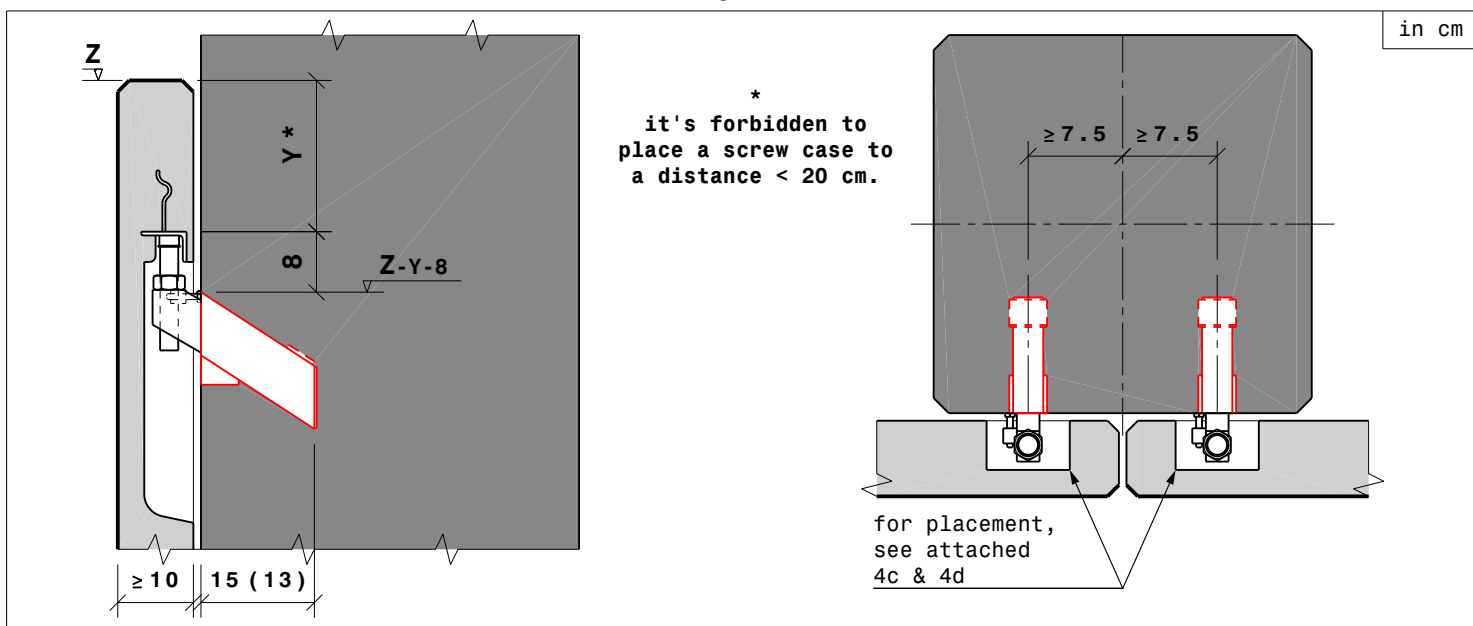
# TUBE CASE "SNELLA" C



Code	Combination with bracket	Minimum breaking load	Load with safety coef. 2	Load with safety coef. 3	H	L	P	P1	P2	finishing
CT15	15	4.7 ton	2.3 ton	1.5 ton	34	34	155	130	133	cold-dip galvanized white
CT25	25	8.0 ton	4.0 ton	2.5 ton	44	34	155	130	133	black paint
CT50	50	16.0 ton	8.0 ton	5.0 ton	64	34	179	150	153	yellow paint

- P = inclined measure
- P1-P2 = horizontal measure

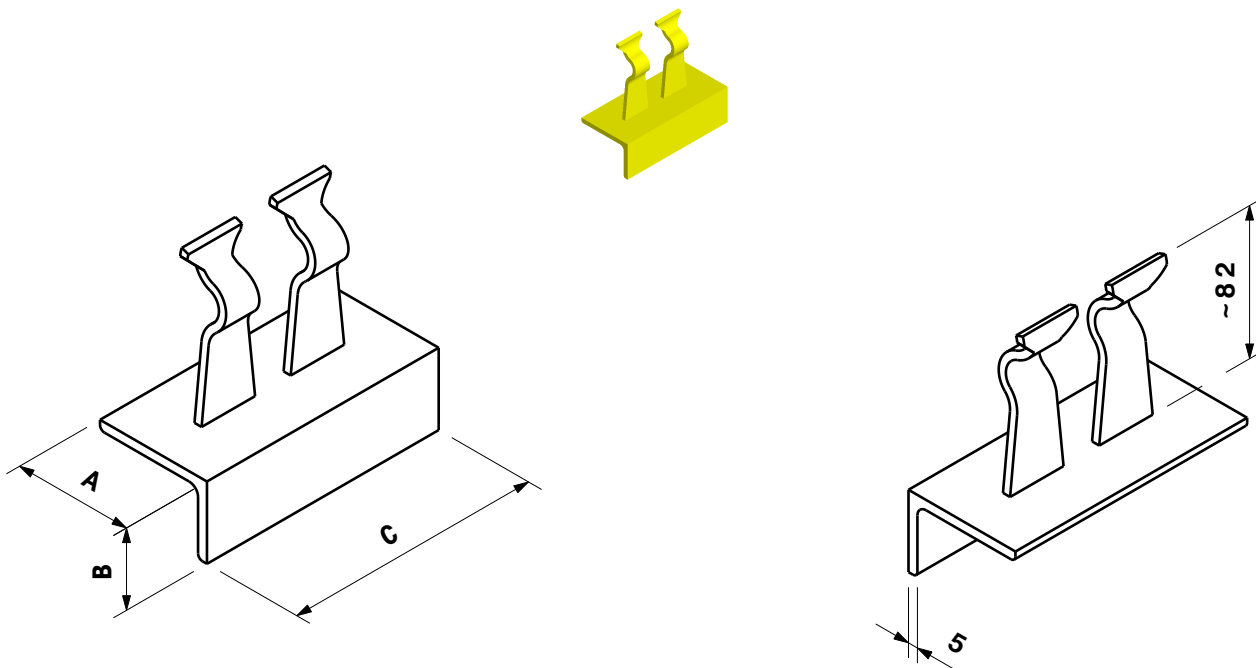
## PLACEMENT



N.B.: - between parenthesis you will find the values for Hercules Snella 15 and 25;  
 - concrete structure with  $R_{ck} \geq 40$  N/mm<sup>2</sup>.

# PRE-FIXED SCREW CASE "SNELLA" C

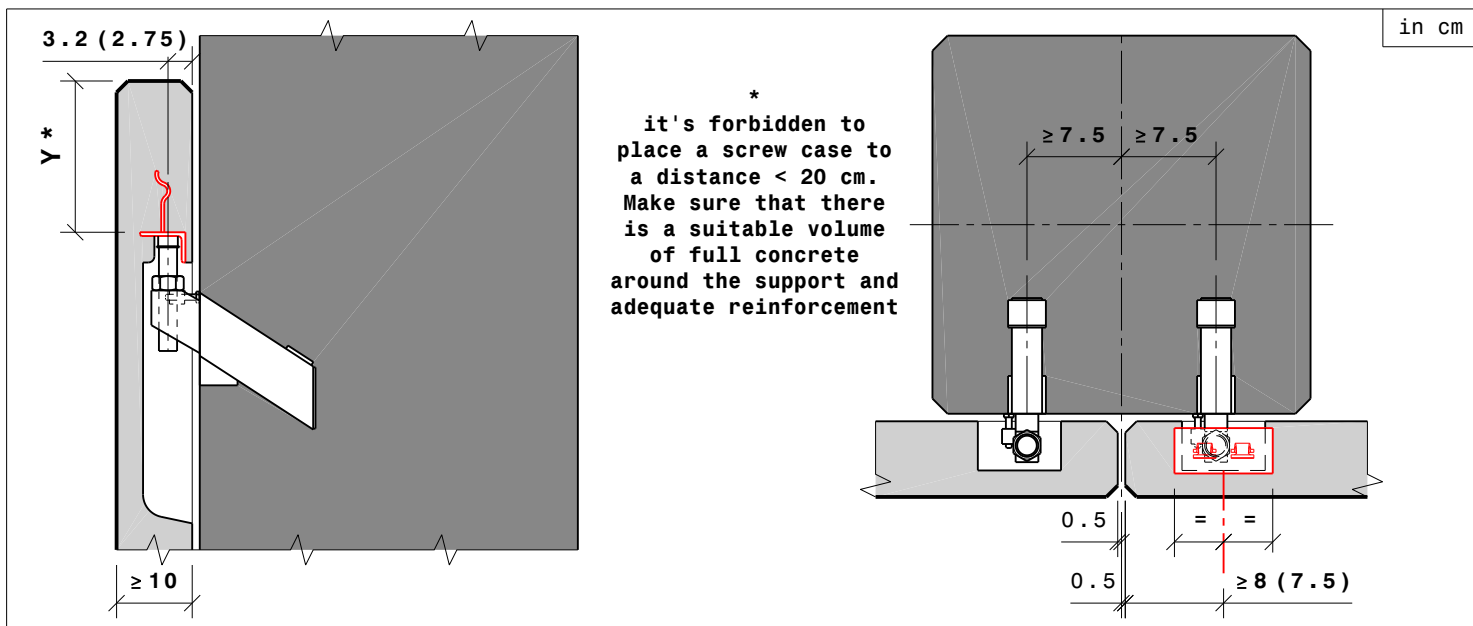
in mm



Code	Combination with bracket	A	B	C	finishing
CP25	15 - 25	45	30	120	cold-dip galvanized white
CP50	50	60	40	130	cold-dip galvanized yellow

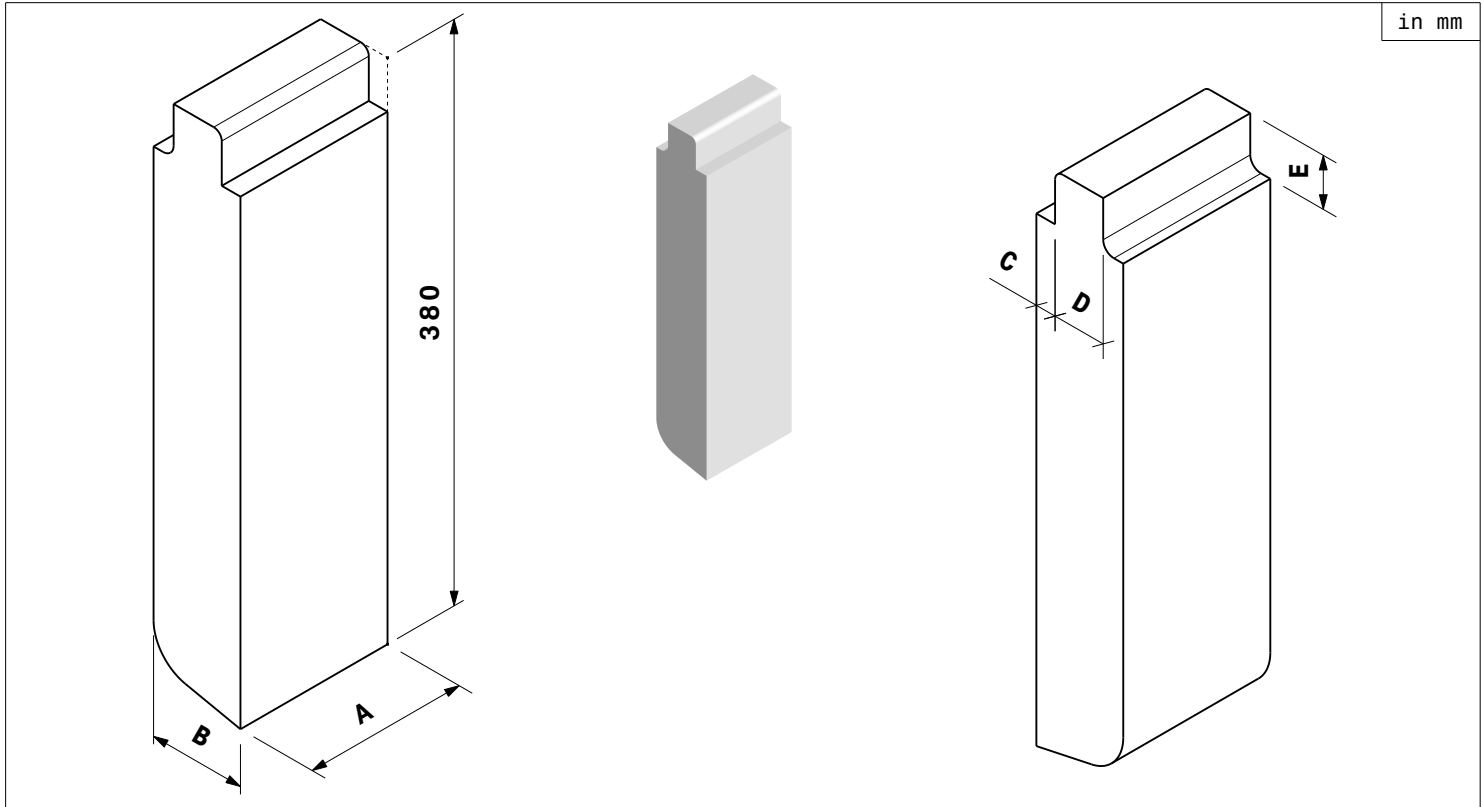
## PLACEMENT

in cm



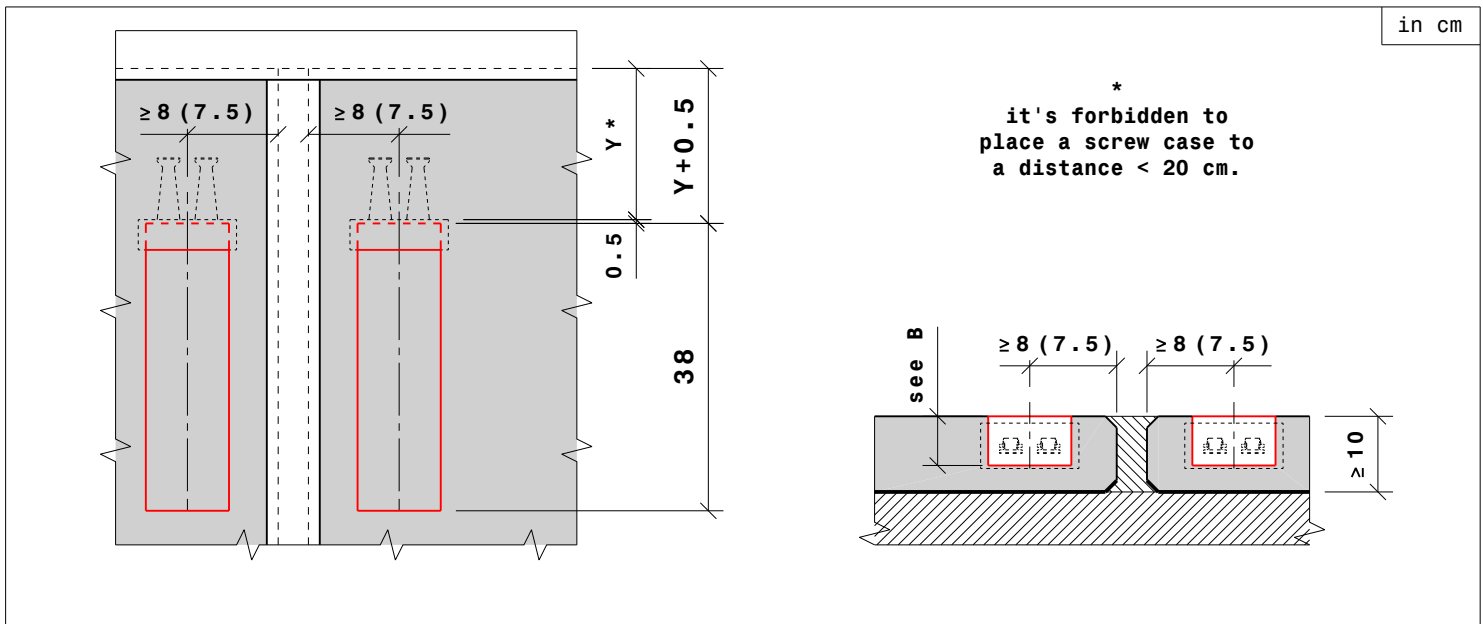
N.B.: - between parenthesis you will find the values for Hercules Snella 15 and 25;  
 - concrete panels with  $R_{ck} \geq 35$  N/mm<sup>2</sup>;  
 - Screw case do not need stirrups.

# POLYSTYRENE FORM for PRE-FIXED SCREW CASE "SNELLA" C



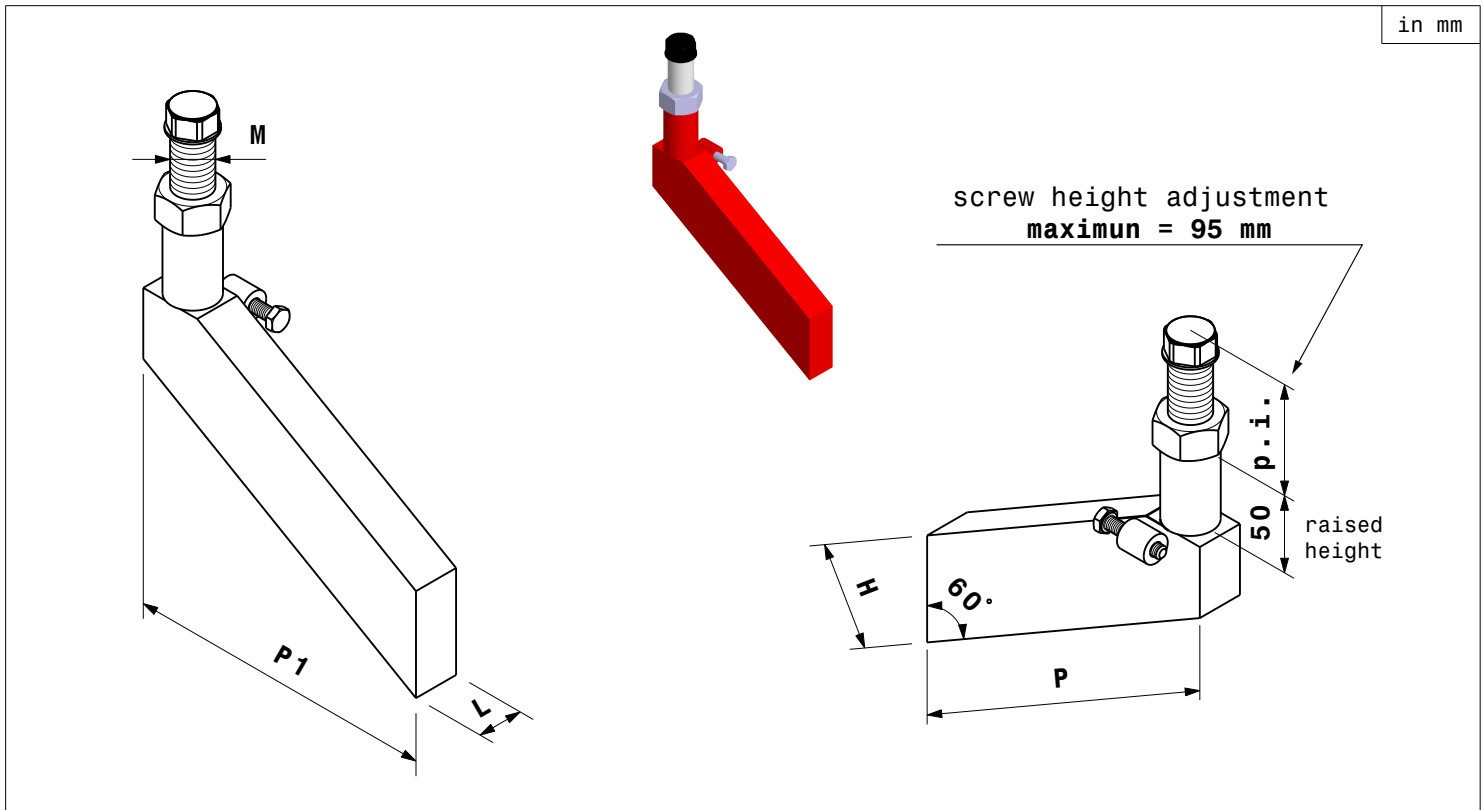
Code	Combination with bracket	A	B	C	D	E	finishing
FP25	15 - 25	100	60	11.5	32	25	/
FP50	50	110	65	14	36	35	/

## PLACEMENT



N.B.: - between parenthesis you will find the values for Hercules Snella 15 and 25.

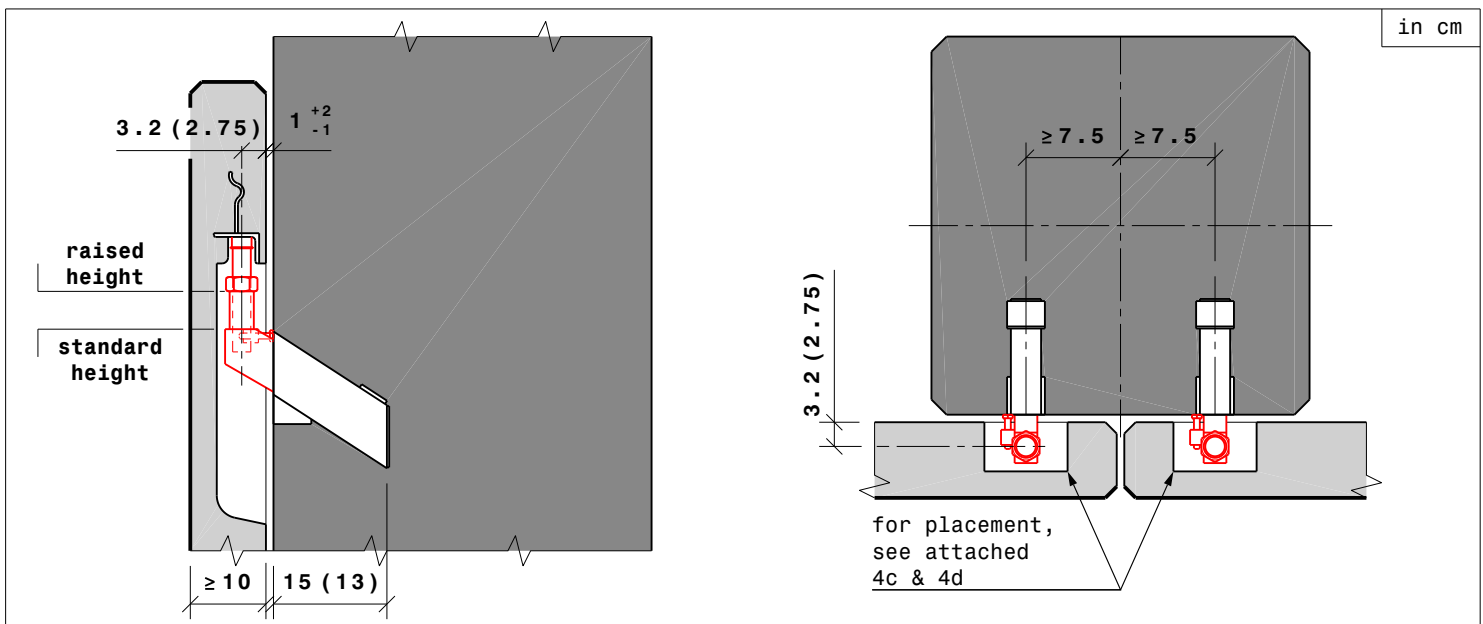
# RAISED HERCULES BRACKET "SNELLA" C



Code	Minimum breaking load	Load with safety coef. 2	Load with safety coef. 3	H	L	M	P	P1	p.i.	finishing
CR15	4.7 ton	<b>2.3 ton</b>	1.5 ton	30	30	20	205	177.5	72 +23/-31	red paint
CR25	8.0 ton	<b>4.0 ton</b>	2.5 ton	40	30	22	205	177.5	73 +22/-30	red paint
CR50	16.0 ton	<b>8.0 ton</b>	5.0 ton	60	30	24	235.6	204	72 +23/-18	red paint

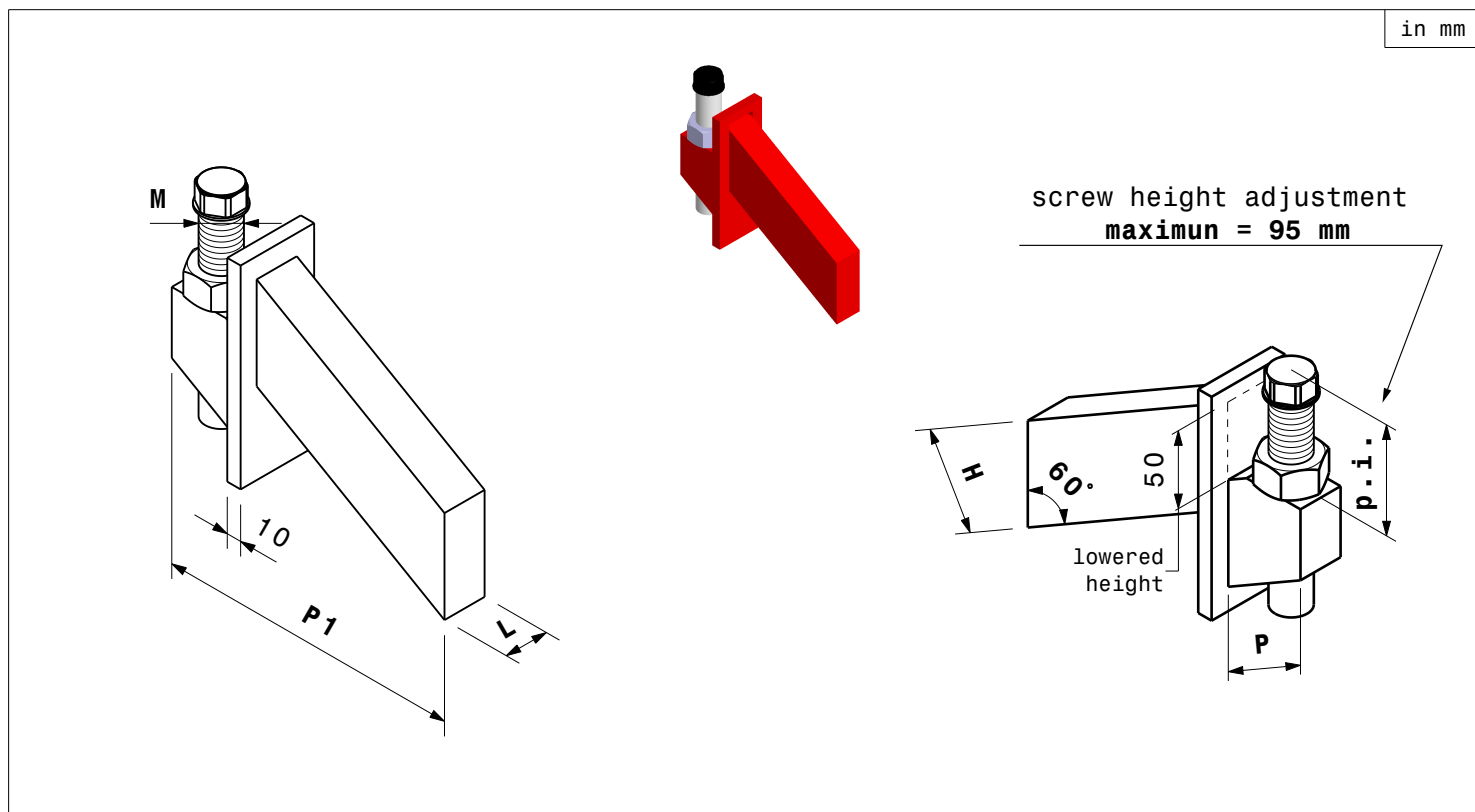
- P = inclined measure
- P1 = horizontal measure
- p.i.= starting position

## PLACEMENT



N.B.: - between parenthesis you will find the values for Hercules Snella 15 and 25;  
 - all the brackets are designed to support only vertical charges, so, horizontal actions cannot be applied.

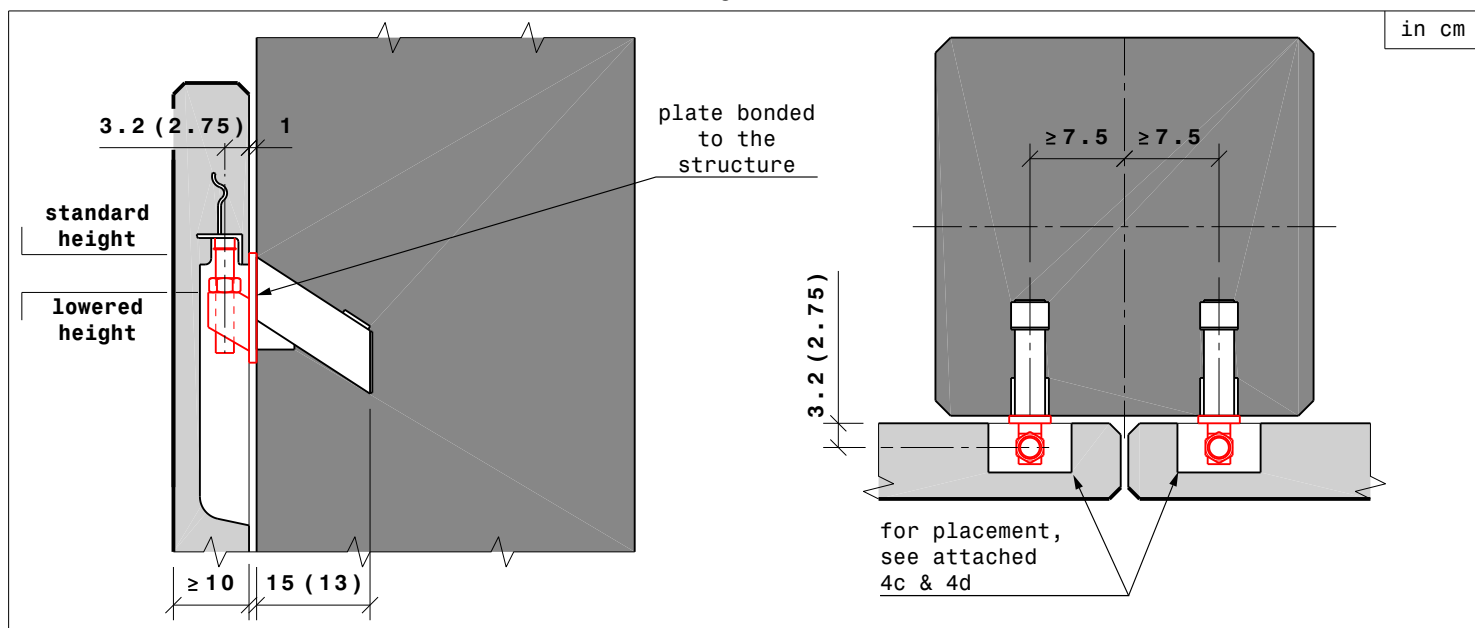
# LOWERED HERCULES BRACKET "SNELLA" C



Code	Minimum breaking load	Load with safety coef. 2	Load with safety coef. 3	H	L	M	P	P1	p.i.	finishing
CA15	4.7 ton	<b>2.3 ton</b>	1.5 ton	30	30	20	54.8	177.5	72 +23/-31	red paint
CA25	8.0 ton	<b>4.0 ton</b>	2.5 ton	40	30	22	54.8	177.5	73 +22/-30	red paint
CA50	16.0 ton	<b>8.0 ton</b>	5.0 ton	60	30	24	62.4	204	72 +23/-18	red paint

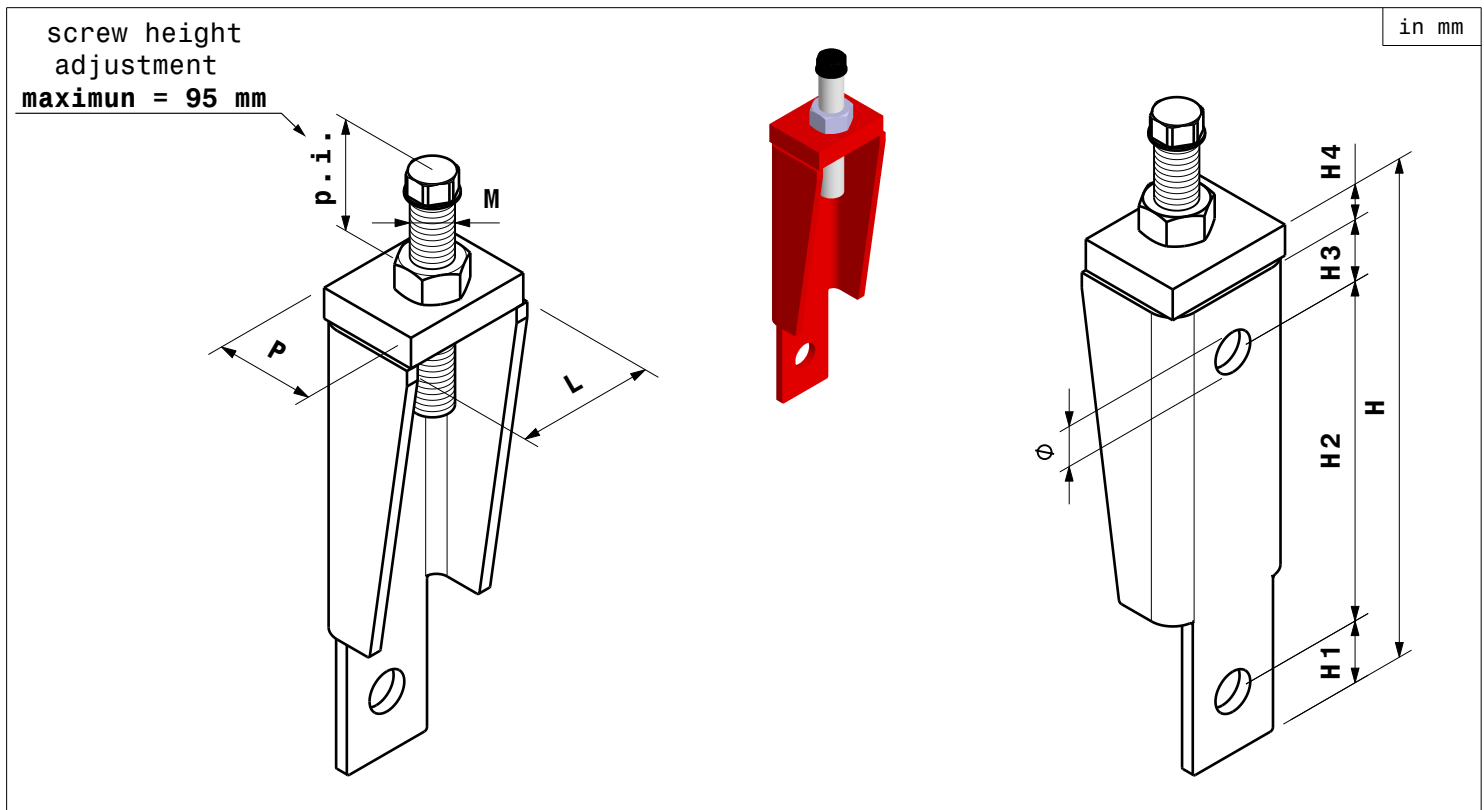
- P = inclined measure
- P1 = horizontal measure
- p.i.= starting position

## PLACEMENT



- N.B.: - between parenthesis you will find the values for Hercules Snella 15 and 25;  
 - all the brackets are designed to support only vertical charges, so, horizontal actions cannot be applied.

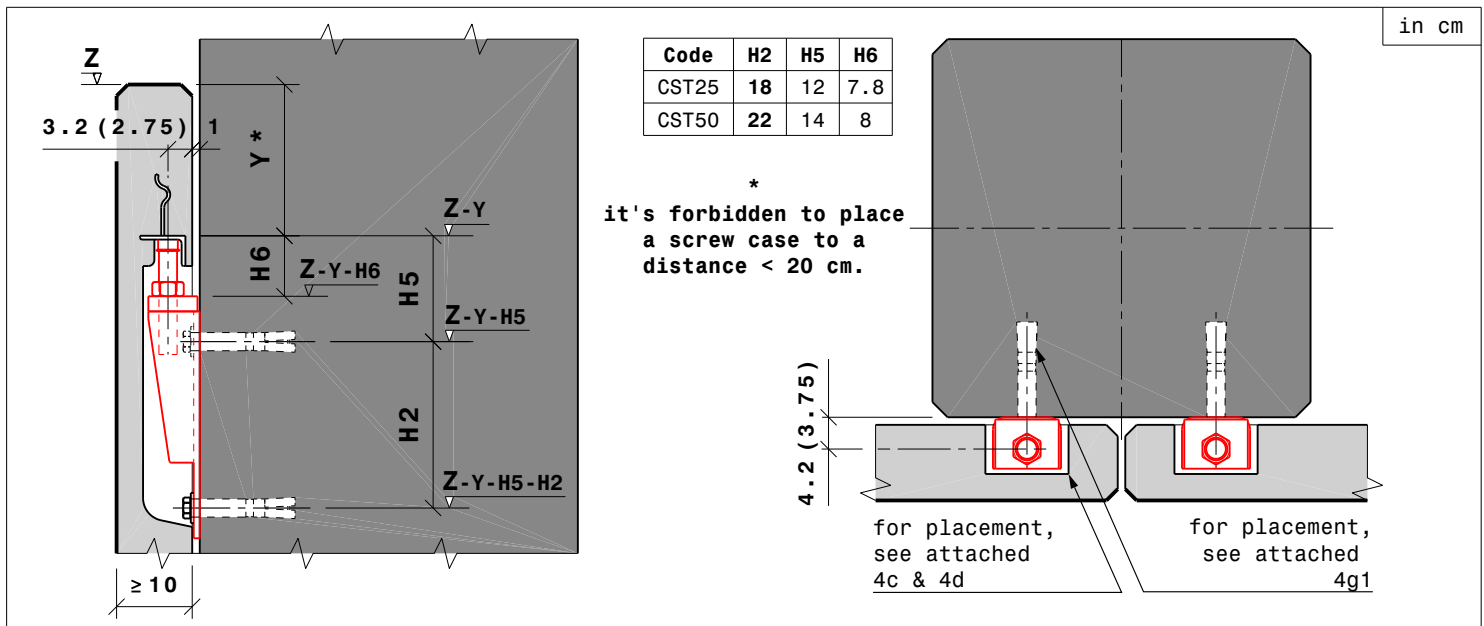
# HERCULES BRACKET for PLUGS "SNELLA" C



Code	Minimum breaking load	Load with safety coef. 2	Load with safety coef. 3	H	L	M	P	H1	H2	H3	H4	Ø	p.i.	finishing
CST25	8.0 ton	4.0 ton	2.5 ton	247	70	22	63	25	180	30	12	20	73 +22/-30	red paint
CST50	16.0 ton	8.0 ton	5.0 ton	320	90	24	68	40	220	40	20	26	75 +20/-21	red paint

- p.i.= starting position

## PLACEMENT



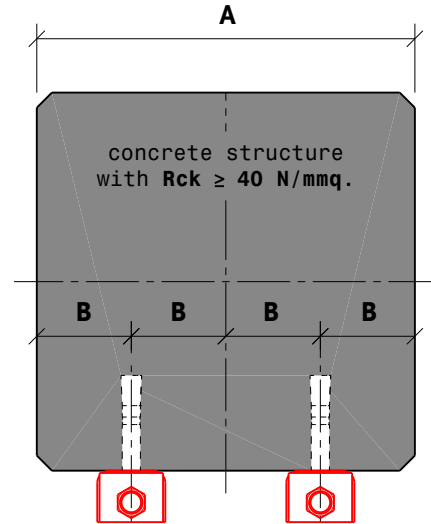
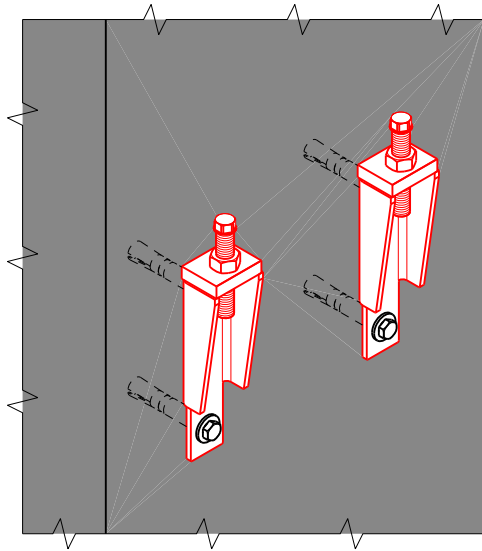
- N.B.:
- between parenthesis you will find the values for Hercules Snella 25;
  - concrete structure with  $R_{ck} \geq 40$  N/mm<sup>2</sup>;
  - check the placement of the items before fixing;
  - all the brackets are designed to support only vertical charges, so, horizontal actions cannot be applied.



# HERCULES BRACKET for PLUGS "SNELLA" C

## MINIMUM REQUIREMENTS

in cm



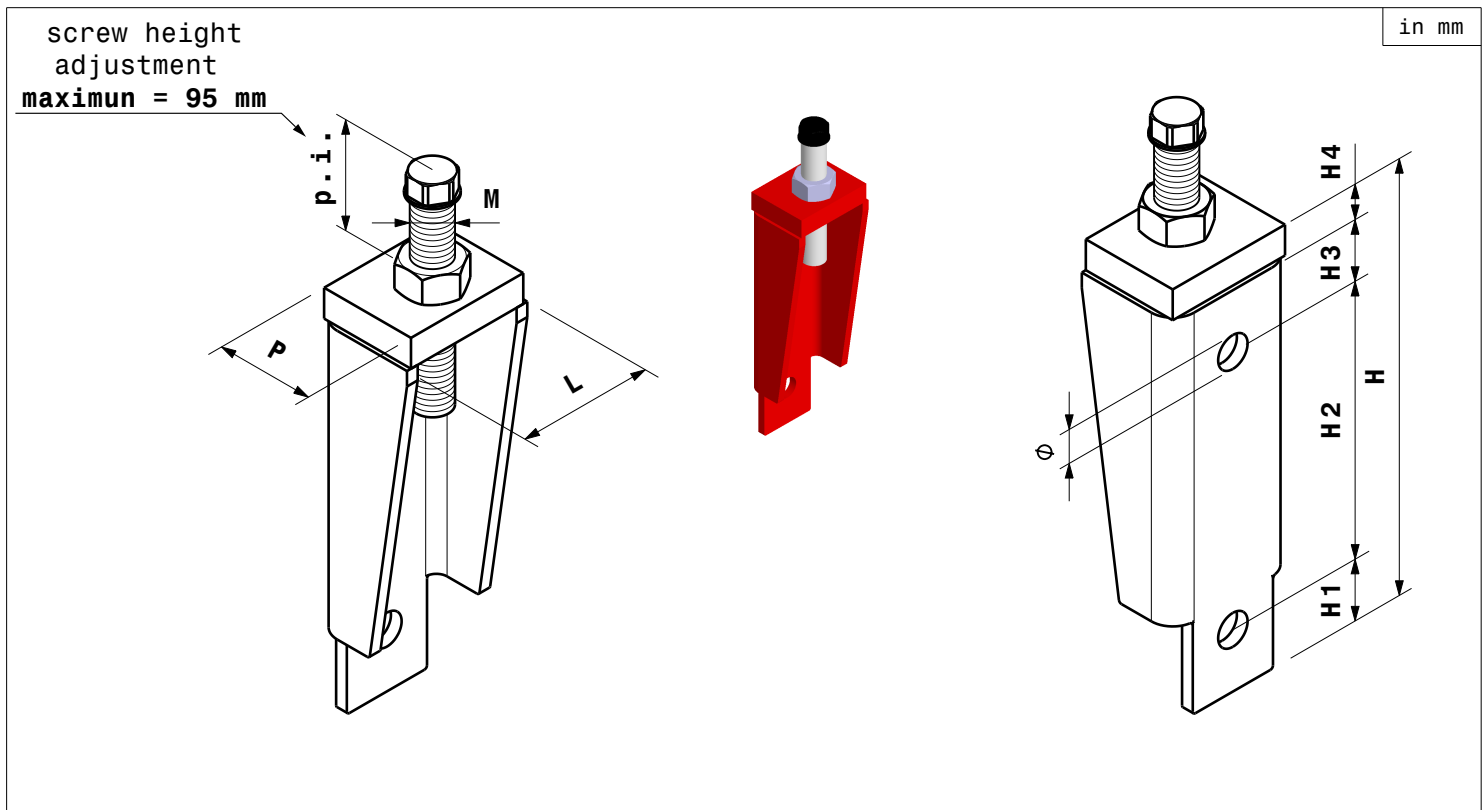
Code	A	B	PLUGS	∅ holes in the concrete (in mm)	minimum distance from the edge	minimum thickness of the concrete	screw clamping force
CST25	≥ 30	≥ 7.5	n°2 Hilty HSL-3 M12/25	18	12	20	80 Nm
CST50	≥ 50	≥ 12.5	n°2 Hilty HSL-3 M16/25	24	15	25	120 Nm
recommendations	/	/	/	clean carefully	the minimum distance from the edge can be reduced in case of confined concrete (reduction to be endorsed by customer)	/	use wrench

### N.B.:

Everything about plugging is to be considered purely indicative and has not any value as calculation design.

**B.S. Italia does not take any responsibility for the installation of plugs.**

# HERCULES BRACKET for SCREWS "SNELLA" C



Code	Minimum breaking load	Load with safety coef. 2	Load with safety coef. 3	H	L	M	P	H1	H2	H3	H4	Ø	p.i.	finishing
CSP25	8.0 ton	4.0 ton	2.5 ton	187	70	22	63	25	120	30	12	18	73 +22/-30	red paint
CSP50	16.0 ton	8.0 ton	5.0 ton	280	90	24	68	40	180	40	20	22	75 +20/-21	red paint

- p.i.= starting position

## PLACEMENT

Code	H2	H5	H6	SCREW	screw clamping force (use wrench)
CSP25	12	12	7.8	n°2 M16 (material 8.8)	225 Nm
CSP50	18	14	8	n°2 M20 (material 8.8)	410 Nm

\* it's forbidden to place a screw case to a distance < 20 cm.

holes for screws

N.B.: - between parenthesis you will find the values for Hercules Snella 25;

- check the placement of the items before fixing;

- all the brackets are designed to support only vertical charges, so, horizontal actions cannot be applied.