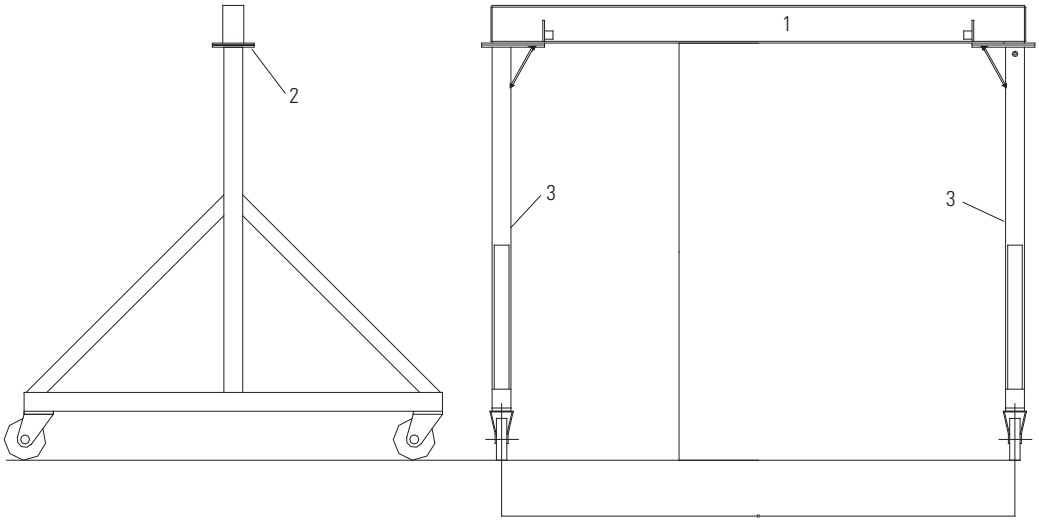
USER MANUAL

WORKSHOP GANTRY CRANES MOVABLE UNDER LOAD

SUMMARY

ASSEMBLY INSTRUCTIONS
WORKSHOP GANTRY CRANE



1. Remove the bolts ❷ assembled on the plates of the beam ❶.

2. Lift the beam ❶ using an appropriate means of lifting up to the height of the legs.

3. Regulate one of the vertical legs ❸ by making it coincide with the plates, introduce the screws ❷ + nuts, then block the plates one against the other.

4. Repeat the same operation for the second leg.

Another method consists of mounting the entire beam on the floor with the legs lying on the side and then putting the gantry crane on its wheels.

UPKEEP

No particular upkeep is to be applied to this type of gantry crane. However, it is advisable to:

- periodically grease the pivots of the wheels ;
- ensure every year that all of the screws and bolts are well tightened.

Clamping of the bolts:

Bolts : M 10 : 3.5 daN.m
M 12 : 6 daN.m
M 14 : 9.6 daN.m
M 16 : 14.6 daN.m
M 18 : 20 daN.m.

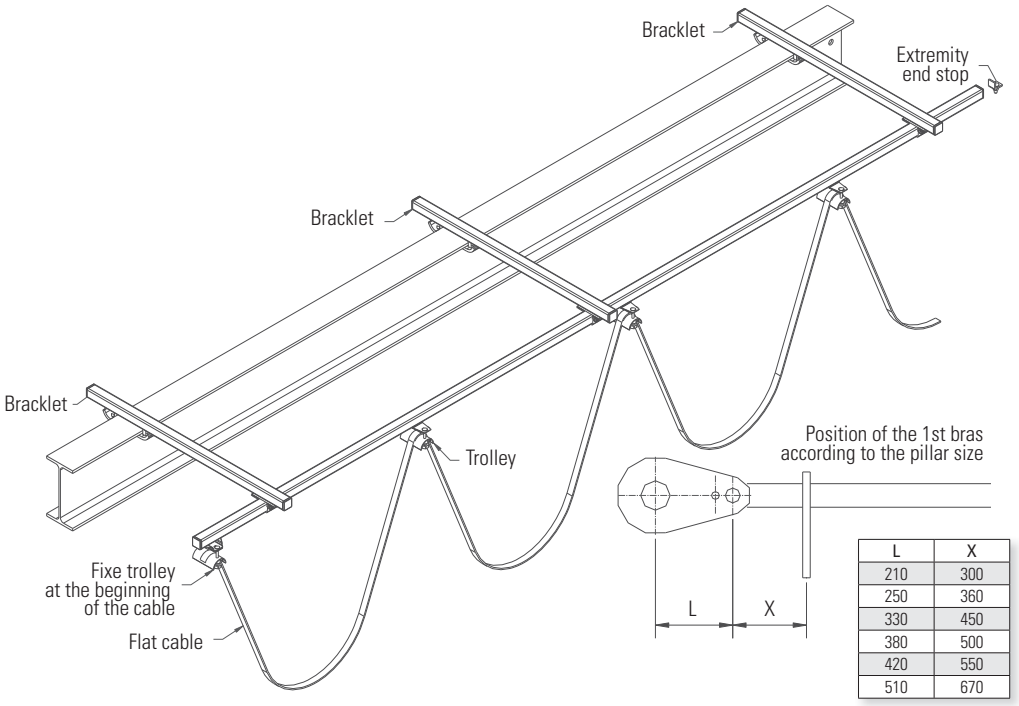
REMINDER

All lifting devices must be received by an authorised organisation before being put into service.
It is formally prohibited to use any lifting device for the purpose of transporting personnel.

USE

Use accordingly to the safe working load (swf) define by the technical sheet.

ASSEMBLY INSTRUCTIONS
FEEDING LINE



L	X
210	300
250	360
330	450
380	500
420	550
510	670

1. Set the 1st bracket according to the position X of the attached drawing.

2. Put the next brackets with a maximum distance of 2m between them.

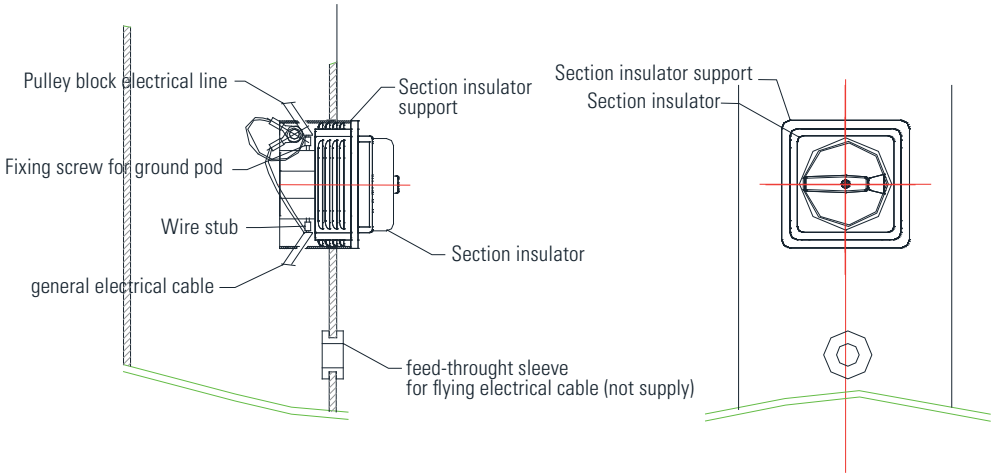
3. When the brackets are locked, engage the rail of the line in each bracket and fix it.

4. Insert first the fix trolley at the beginning of the line then the mobile trolley and finally the end stop.

5. Put the flat cable through the trolleys distributing them equally along the rail. Let 1m of cable at the end of the rail to plug in the hoist.

Note: *The position of the 1st arm is to be adapted according to the layout and the type of stem if necessary.*
The support arms and the line rails must be re-cut according to the layout and the type of jib if necessary.

ASSEMBLY INSTRUCTIONS
POWER SUPPLY LINE



The following is the order of the steps to install the isolating switch

1. Pull the main power supply cable.

2. Insert the main power supply cable into the opening in the isolating switch support, and then crimp the conductor end lugs provided.

3. Connect the three phases of the main power supply cable to terminals T1, T2 & T3.

4. Crimp the earth to one of the round lugs provided.

5. Pull the hoist power supply cable.

6. Insert the hoist power supply cable into the opening of the isolating switch support, and then crimp the conductor end lugs provided.

7. Connect the three phases of the hoist power supply cable to terminals L1, L2 & L3.

8. Crimp the earth to the second round lugs provided.

9. Insert the split head screw into the hole of the isolating switch, position both earthing lugs and lock the assembly with the nut.

10. Position the isolating switch and fasten it on its support using both hexagonal head cap screws and toothed lock washers provided.

WHAT TO DO AND WHAT NOT TO DO

It is very important to read these instructions carefully to enable you to install, use and maintain your equipment and reduce any risks caused by its incorrect use.
Any use that is not compliant with the following is dangerous and the manufacturer refuses to accept any liability in such cases.
Please comply with the instructions given below.

WHAT TO DO

GENERALLY

- Read and follow the instructions given in the introduction manual carefully, starting from initial commissioning. During repair or maintenance, use only «standard parts».
- Always keep the instructions manual and the user instructions near the equipment, available to the operator and the person in charge of maintenance.

TRANSPORT / STORAGE

- Handle the equipment and its structure either using the devices provided for the purpose or in the original package.
- Store the equipment away from any harsh environmental conditions (dust, damp…). It must be cleaned and protected from corrosion (lubrication…)

INSTALLATION / MAINTENANCE / INTERVENTIONS

- Have trained people who are electrically and mechanically competent deal with installation.
- Require absolute compliance with the safety rules (harnesses, clearance around working areas, cordoning off the area…)
- Ensure that the equipment attaching structure is rigid.
- Neutralize any sources of electric power.
- Keep strictly to the installation instructions mentioned in the equipment instructions manual.
- Connect directly the power supply cable to the power supply terminal of the electrical unit :
  - the cable must be assembled in accordance with the manual, greased and run in by several maneuvers without a load,
  - the line must be assembled in accordance with the manual, oiled and run in by several maneuvers without a load.
- Set out an inspection program and record all the maintenance work carried out on the equipment, and more particularly: hooks, sheave assemblies, chains or cables, brakes and travel end switches.
- Replace any suspicious or worn parts.

AFTER EXTENDED STOPPAGE OR DURING A CHECK :

- Check the operation and adjustment of the safety devices (brake, travel ends, limiters…) in accordance with the instruction manual.
- Regularly check the condition of the chain or cable and of the hooks.
- If a deformation or any wear is observed, replace the parts.
- Keep the cable clean and greased at all times.
- Check that all of the assembly components are tight.
- Check the condition of the lifting cable component wires.
- Check that the chains are not twisted and are free of any damage.
- Check that the steel cables strands supporting the pushbutton box fulfil their functions. The pushbutton box conductor cable is not a handling cable.

It is very important to read these instructions carefully to enable you to install, use and maintain your equipment and reduce any risks caused by its incorrect use.
Any use that is not compliant with the following is dangerous and the manufacturer refuses to accept any liability in such cases.
Please comply with the instructions given below.

WHAT NOT TO DO

TRANSPORT / STORAGE

- Never move or lift the equipment of using the electrical cables.
- Never put the hoist down without using a suitable support to avoid damage to the components on the underside.

INSTALLATION / MAINTENANCE / INTERVENTIONS

- Never modify the equipment without suitable study and the authorization of the manufacturer.
- Never change the values and settings of the safety devices outside the limits provided for in the manual or without the agreement of the manufacturer.
- Never bypass isolating switches, electrical switches, prevention or limiting equipment.

IN USE

- Never transport a load without keeping the personnel at a distance. Never have the book, loaded or empty, move above the personnel.
- Never let anybody unqualified use the equipment.
- Never lift a load exceeding the maximum operating load indicated on the equipment. Shock or accidental catching of the load being handled with the environment can generate overloads.
- Never remove the tab from the hook.
- Never block, adjust or remove switches or end of travel devices to go higher or lower than permitted by them.
- Never use the equipment to pull away, un-jam or pull sideways.
- Never use the equipment to transport people.
- Never touch any moving parts.
- Never use equipment that is in poor condition (wear, deformation…)
- Never use defective spare parts or whose origin in not fully known.
- Never swing the load intentionally.
- Do not cause abrupt movement so n the equipment.
- Never use the mechanical stops as a means of repetitive stoppage.
- Never use the lifting chain or cable as a sling.
- Never sling anything from the nose of the hook (risk of damage to hook and falling of load)
- Never use the hook when cantilevered.
- Never twist the loading chains. (turn-around of the sheave…).
- Never use the electric cables to move the equipment around.
- Never leave a load hanging.
- Never use the equipment as a ground reference for welding.
- Never use the equipment for any purpose or in any place for which it was designed.
- Never use the safety devices as a means of measuring the carried weight.
- Never use the controls pointlessly (avoid keying on them). This can cause overheating or even the deterioration of the equipment.
- Never pull a load cross-wise or bring the equipment vertically above the load before lifting it.
- Never use the equipment with an electric power supply that is different from the one recommended (under or over voltage, absence of a phase…)

TEST UNDER LOAD OF THE JIB CRANES AND OF THE GANTRY CRANES

To ensure the good performance of the equipment, and in the absence of specific legislation, the following is recommended by the manufacturer in terms of dynamic and static load tests on standard devices.
Any other regulation, whether related to specific conditions of a country or a particular use should be specifications duly approved by the manufacturer.

DYNAMIC TESTS

For the dynamic tests will be added an overload of 10% at rated load, whether electric or manual lifting.

The tests are therefore performed on all movements (lifting, travelling, translation, rotation etc ...) It will not be necessary to lift the load to its maximum heightbut it is possible to do it and no time is imposed.

One move of each movement is necessary and sufficient.

Interpretation of dynamic tests :

During these tests the hoist + trolley must remain stable. Ensure no visible distortion too important.

Measure the height under beam or over beam empty before applying the load (Load at the end of the arm if it is a jib crane or at the center if it is a gantry crane) and remeasure under dynamic load.

Do the ratio to recalculate the measured deflection under dynamic load by dividing by 1.1 in order to interpret **Deflection under nominal load**, this deflection is directly proportional to the load.

Only the deflection under nominal load is interpretable to the exclusion of any other!

For pillar jib cranes, deflection observed **(interpreted under nominal load)** must not exceed 1/100th of the span and 1/200th of the sum Height + Span.

For wall jib cranes, deflection should not exceed 1/200th of the span (it will not take into account the possible deformation of the post which is supposedly of sufficient size and have been calculated by the user).

For gantry cranes, deflection should not exceed 1/500th of the span.

If the dynamic tests give satisfaction, there will be static tests.

To ensure the good performance of the equipment, and in the absence of specific legislation, the following is recommended by the manufacturer in terms of dynamic and static load tests on standard devices.
Any other regulation, whether related to specific conditions of a country or a particular use should be specifications duly approved by the manufacturer.

STATIC TESTS

Static testing has for single purpose to ensure the strength of the assembly and verify the absence of permanent deformation or residual.

No deflection measurement shall be interpreted during these tests if it is only to verify the absence of permanent deformation

Requirements during the static tests :

For static tests, it will be an overload applied **in more than 25% of the rated load,** whether it be a manual or electric lifting.

These tests will be performed only on the lifting arms of the bracket in the center position (end of the load arm in the case of jib crane and to the center of a gantry).

It is forbidden to lift the load increased by 25% with the device but additional weights are added to the dynamic load. In the case of a wall jib, the static test will be done in the sense that less strains the the building structure.

The duration of this test shall not exceed 30 min.

Interpretation of static tests:

If after static tests, no permanent or residual deformation is found, the device can be operated.

As defined in the European Machinery Directive, any calculation notes will not be issued unless requested to ordering and duly accepted by manufacturer, as well as the detailed plans, schedules etc. .... which are the subject of the information folder and as such are confi dential documents.

Concerning electric chain hoists:

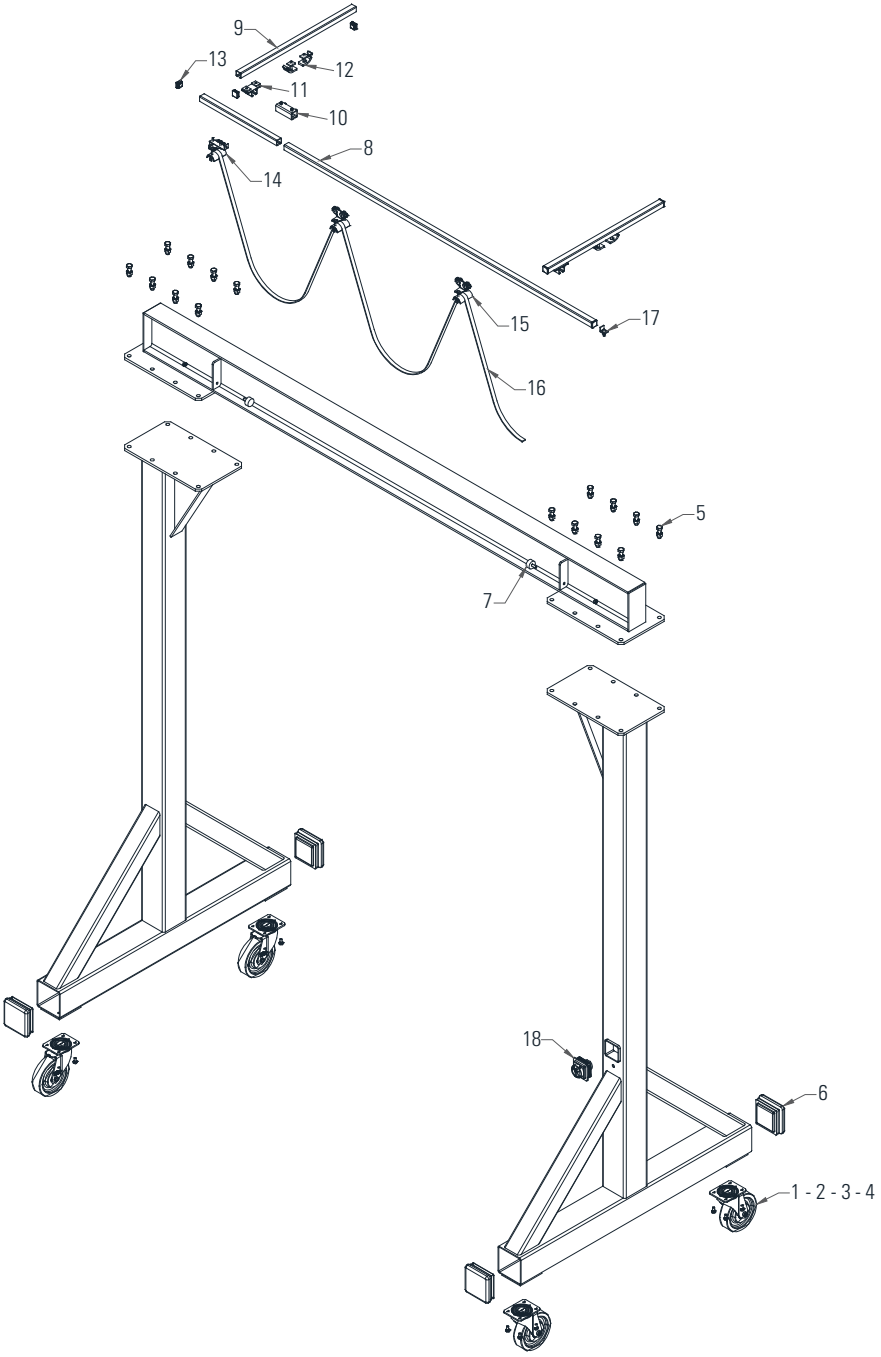
It is reminded that these devices are equipped with **torque limiters** and not **load limiters.**

Also for security reasons, their setting far exceeds the trigger threshold 110% of the rated load.

It is quite acceptable that the torque limiters can be «*calibrated*» to 125 or even 130% of rated load.

This measure aimed to anticipate wear slip friction system providing torque limit and prevent and to the risk of «*slippage*» of the load.

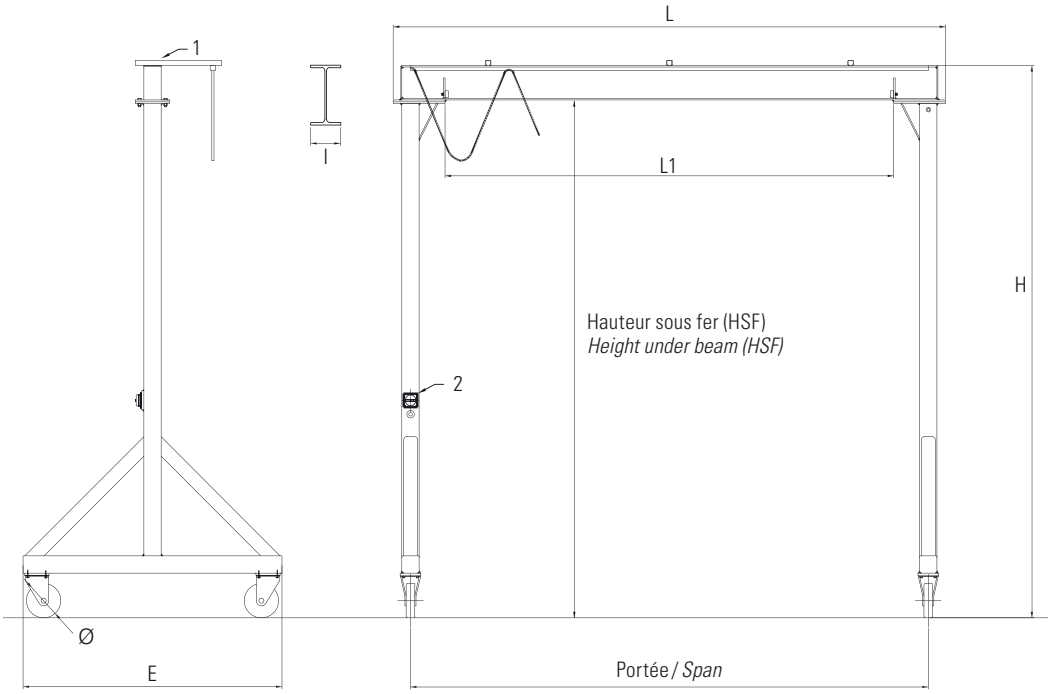
SPARE PARTS WORKSHOP GANTRY CRANE



N°	Designation	Ensemble
1	Polyamyd white wheel	Gantry crane
2	Polyamyd white wheel lock	
3	Wheel with polyurethane tired	
4	Wheel lock with polyurethane tired	
5	Assembly screw of the gantry crane	
6	Rubber bump + bolts	
7	Butée caoutchouc + visserie	
8	Power supply rail	Supply line + lockable main switch
9	Bracket	
10	Junction plate	
11	Junction plate	
12	Clamp	
13	Plastic cap	
14	Fixed cable trolley	
15	Mobile cable trolley	
16	Cable	
17	Power supply and stop	
18	Lockable switch	

SPECIFICATIONS WORKSHOP GANTRY CRANE

1	Ajouter 30 mm pour ligne d'alimentation (option) Add 30 mm for supply cable (option)
2	Interrupteur cadenassable (option) Lockable main switch (option)



Norme : NF EN 15011 Ponts roulants et portiques
Classe U (nombre de cycles de travail) : U2
Classe Q (spectre de charge) : Q2

Standard : NF EN 15011 Overhead and gantry cranes
Class U (number of working cycles) : U2
Class Q (load spectrum) : Q2

CMU Max. capacity	Portée Span	Hauteur sous fer (HSF) Height under beam (HSF)	H	L	L1	E	Ø	I	Poids Weight
Kg	m	m	mm	mm	mm	mm	mm	mm	Kg
500 (50)	2,5	3	3,18	2690	2090	1500	150	91	210
	3	3	3,18	3190	2590	1500	150	91	220
	3,5	3	3,18	3690	3090	1500	150	91	229
	4	3	3,18	4190	3590	1500	150	91	239
	4,5	3	3,18	4690	4090	1500	150	91	248
	5	3	3,18	5190	4590	1500	150	91	257
	2,5	3,5	3,68	2690	2090	1500	150	91	221
	3	3,5	3,68	3190	2590	1500	150	91	231
	3,5	3,5	3,68	3690	3090	1500	150	91	240
	4	3,5	3,68	4190	3590	1500	150	91	249
	4,5	3,5	3,68	4690	4090	1500	150	91	259
	5	3,5	3,68	5190	4590	1500	150	91	268
	2,5	4	4,18	2700	2100	2000	150	91	308
	3	4	4,18	3200	2600	2000	150	91	318
	3,5	4	4,18	3700	3100	2000	150	91	327
	4	4	4,18	4200	3600	2000	150	91	336
	4,5	4	4,18	4700	4100	2000	150	91	346
	5	4	4,18	5200	4600	2000	150	91	355
	2,5	4,5	4,68	2700	2100	2000	150	91	323
	3	4,5	4,68	3200	2600	2000	150	91	332
	3,5	4,5	4,68	3700	3100	2000	150	91	342
	4	4,5	4,68	4200	3600	2000	150	91	351
	4,5	4,5	4,68	4700	4100	2000	150	91	361
	5	4,5	4,68	5200	4600	2000	150	91	370
	2,5	5	5,18	2720	1920	2250	150	91	431
	3	5	5,18	3220	2420	2250	150	91	440
	3,5	5	5,18	3720	2920	2250	150	91	450
	4	5	5,18	4220	3420	2250	150	91	459
	4,5	5	5,18	4720	3920	2250	150	91	468
	5	5	5,18	5220	4420	2250	150	91	478
	5,5	3	3,2	5690	5090	1500	150	100	279
	6	3	3,2	6190	5590	1500	150	100	290
	6,5	3	3,2	6690	6090	1500	150	100	301
	7	3	3,22	7190	6590	1500	150	110	340
	7,5	3	3,22	7690	7090	1500	150	110	353
	8	3	3,24	8190	7590	1500	150	120	404
	5,5	3,5	3,7	5690	5090	1500	150	100	287
	6	3,5	3,7	6190	5590	1500	150	100	298
	6,5	3,5	3,7	6690	6090	1500	150	100	309
	7	3,5	3,72	7190	6590	1500	150	110	348
	7,5	3,5	3,72	7690	7090	1500	150	110	361
	8	3,5	3,74	8190	7590	1500	150	120	412
	5,5	4	4,2	5700	5100	2000	150	100	355
	6	4	4,2	6200	5600	2000	150	100	366
	6,5	4	4,2	6700	6100	2000	150	100	378
	7	4	4,22	7200	6600	2000	150	110	417
	7,5	4	4,22	7700	7100	2000	150	110	430
	8	4	4,24	8200	7600	2000	150	120	480
	5,5	4,5	4,7	5700	5100	2000	150	100	367
	6	4,5	4,7	6200	5600	2000	150	100	378
	6,5	4,5	4,7	6700	6100	2000	150	100	390
	7	4,5	4,72	7200	6600	2000	150	110	429
	7,5	4,5	4,72	7700	7100	2000	150	110	442
	8	4,5	4,74	8200	7600	2000	150	120	492
	5,5	5	5,2	5720	4920	2250	150	100	445
	6	5	5,2	6220	5420	2250	150	100	456
	6,5	5	5,2	6720	5920	2250	150	100	467
	7	5	5,22	7220	6420	2250	150	110	506
	7,5	5	5,22	7720	6920	2250	150	110	519
	8	5	5,24	8220	7420	2250	150	120	570
	2,5	5,5	5,68	2720	1920	2500	150	91	396
	3	5,5	5,68	3220	2420	2500	150	91	405
	3,5	5,5	5,68	3720	2920	2500	150	91	414
	4	5,5	5,68	4220	3420	2500	150	91	424
	4,5	5,5	5,68	4720	3920	2500	150	91	433
	5	5,5	5,68	5220	4420	2500	150	91	443
	5,5	5,5	5,7	5720	4920	2500	150	100	473
	6	5,5	5,7	6220	5420	2500	150	100	484
	6,5	5,5	5,7	6720	5920	2500	150	100	495
	7	5,5	5,72	7220	6420	2500	150	110	534
	7,5	5,5	5,72	7720	6920	2500	150	110	547

(…) Poids estimé du palan.

(…) Estimated weight of the hoist.

CMU Max. capacity	Portée Span	Hauteur sous fer (HSF) Height under beam (HSF)	H	L	L1	E	Ø	I	Poids Weight
Kg	m	m	mm	mm	mm	mm	mm	mm	Kg
	8	5,5	5,74	8220	7420	2500	150	120	598
	2,5	6	6,18	2720	1920	2700	150	91	420
	3	6	6,18	3220	2420	2700	150	91	429
	3,5	6	6,18	3720	2920	2700	150	91	438
	4	6	6,18	4220	3420	2700	150	91	448
	4,5	6	6,18	4720	3920	2700	150	91	457
500 (50)	5	6	6,18	5220	4420	2700	150	91	467
	5,5	6	6,2	5720	4920	2700	150	100	497
	6	6	6,2	6220	5420	2700	150	100	508
	6,5	6	6,2	6720	5920	2700	150	100	519
	7	6	6,22	7220	6420	2700	150	110	558
	7,5	6	6,22	7720	6920	2700	150	110	571
	8	6	6,24	8220	7420	2700	150	120	622
	2,5	3	3,2	2700	2100	1500	200	100	270
	3	3	3,2	3200	2600	1500	200	100	281
	3,5	3	3,2	3700	3100	1500	200	100	292
	4	3	3,2	4200	3600	1500	200	100	303
	4,5	3	3,22	4700	4100	1500	200	110	332
	5	3	3,22	5200	4600	1500	200	110	345
	2,5	3,5	3,7	2700	2100	1500	200	100	285
	3	3,5	3,7	3200	2600	1500	200	100	296
	3,5	3,5	3,7	3700	3100	1500	200	100	307
	4	3,5	3,7	4200	3600	1500	200	100	318
	4,5	3,5	3,72	4700	4100	1500	200	110	346
	5	3,5	3,72	5200	4600	1500	200	110	360
	2,5	4	4,2	2720	1920	2000	200	100	376
	3	4	4,2	3220	2420	2000	200	100	387
	3,5	4	4,2	3720	2920	2000	200	100	399
	4	4	4,2	4220	3420	2000	200	100	410
	4,5	4	4,22	4720	3920	2000	200	110	438
	5	4	4,22	5220	4420	2000	200	110	451
	2,5	4,5	4,7	2720	1920	2000	200	100	394
	3	4,5	4,7	3220	2420	2000	200	100	405
	3,5	4,5	4,7	3720	2920	2000	200	100	416
	4	4,5	4,7	4220	3420	2000	200	100	428
	4,5	4,5	4,72	4720	3920	2000	200	110	456
	5	4,5	4,72	5220	4420	2000	200	110	469
	2,5	5	5,2	2740	1740	2250	200	100	482
	3	5	5,2	3240	2240	2250	200	100	493
	3,5	5	5,2	3740	2740	2250	200	100	504
	4	5	5,2	4240	3240	2250	200	100	515
1000 (100)	4,5	5	5,22	4740	3740	2250	200	110	544
	5	5	5,22	5240	4240	2250	200	110	557
	5,5	3	3,24	5700	5100	1500	200	120	361
	6	3	3,24	6200	5600	1500	200	120	377
	6,5	3	3,27	6700	6100	1500	200	135	429
	7	3	3,27	7200	6600	1500	200	135	447
	7,5	3	3,27	7700	7100	1500	200	135	465
	8	3	3,27	8200	7600	1500	200	135	483
	5,5	3,5	3,74	5700	5100	1500	200	120	371
	6	3,5	3,74	6200	5600	1500	200	120	387
	6,5	3,5	3,77	6700	6100	1500	200	135	439
	7	3,5	3,77	7200	6600	1500	200	135	457
	7,5	3,5	3,77	7700	7100	1500	200	135	475
	8	3,5	3,77	8200	7600	1500	200	135	493
	5,5	4	4,24	5720	4920	2000	200	120	453
	6	4	4,24	6220	5420	2000	200	120	468
	6,5	4	4,27	6720	5920	2000	200	135	521
	7	4	4,27	7220	6420	2000	200	135	539
	7,5	4	4,27	7720	6920	2000	200	135	557
	8	4	4,27	8220	7420	2000	200	135	575
	5,5	4,5	4,74	5720	4920	2000	200	120	469
	6	4,5	4,74	6220	5420	2000	200	120	484
	6,5	4,5	4,77	6720	5920	2000	200	135	537
	7	4,5	4,77	7220	6420	2000	200	135	555
	7,5	4,5	4,77	7720	6920	2000	200	135	573
	8	4,5	4,77	8220	7420	2000	200	135	591
	5,5	5	5,24	5740	4740	2250	200	120	546
	6	5	5,24	6240	5240	2250	200	120	561
	6,5	5	5,27	6740	5740	2250	200	135	614
	7	5	5,27	7240	6240	2250	200	135	632

(…) Poids estimé du palan.

(…) Estimated weight of the hoist.

CMU Max. capacity	Portée Span	Hauteur sous fer (HSF) Height under beam (HSF)	H	L	L1	E	Ø	I	Poids Weight
Kg	m	m	mm	mm	mm	mm	mm	mm	Kg
	7,5	5	5,27	7740	6740	2250	200	135	650
	8	5	5,27	8240	7240	2250	200	135	668
	2,5	5,5	5,7	2750	1750	2500	200	100	570
	3	5,5	5,7	3250	2250	2500	200	100	582
	3,5	5,5	5,7	3750	2750	2500	200	100	593
	4	5,5	5,7	4250	3250	2500	200	100	604
	4,5	5,5	5,72	4750	3750	2500	200	110	634
	5	5,5	5,72	5250	4250	2500	200	110	647
	5,5	5,5	5,74	5750	4750	2500	200	120	686
	6	5,5	5,74	6250	5250	2500	200	120	701
	6,5	5,5	5,77	6750	5750	2500	200	135	754
	7	5,5	5,77	7250	6250	2500	200	135	772
1000 (100)	7,5	5,5	5,77	7750	6750	2500	200	135	790
	8	5,5	5,77	8250	7250	2500	200	135	808
	2,5	6	6,2	2750	1750	2700	200	100	604
	3	6	6,2	3250	2250	2700	200	100	616
	3,5	6	6,2	3750	2750	2700	200	100	627
	4	6	6,2	4250	3250	2700	200	100	638
	4,5	6	6,22	4750	3750	2700	200	110	668
	5	6	6,22	5250	4250	2700	200	110	681
	5,5	6	6,24	5750	4750	2700	200	120	720
	6	6	6,24	6250	5250	2700	200	120	735
	6,5	6	6,27	6750	5750	2700	200	135	788
	7	6	6,27	7250	6250	2700	200	135	806
	7,5	6	6,27	7750	6750	2700	200	135	824
	8	6	6,27	8250	7250	2700	200	135	842
	2,5	3	3,2	2720	1920	1500	200	100	282
	3	3	3,2	3220	2420	1500	200	100	294
	3,5	3	3,2	3720	2920	1500	200	100	305
	4	3	3,2	4220	3420	1500	200	100	316
	4,5	3	3,24	4720	3920	1500	200	120	364
	5	3	3,24	5220	4420	1500	200	120	380
	2,5	3,5	3,7	2720	1920	1500	200	100	297
	3	3,5	3,7	3220	2420	1500	200	100	308
	3,5	3,5	3,7	3720	2920	1500	200	100	319
	4	3,5	3,7	4220	3420	1500	200	100	331
	4,5	3,5	3,74	4720	3920	1500	200	120	379
	5	3,5	3,74	5220	4420	1500	200	120	395
	2,5	4	4,2	2750	1750	2000	200	100	475
	3	4	4,2	3250	2250	2000	200	100	486
	3,5	4	4,2	3750	2750	2000	200	100	497
	4	4	4,2	4250	3250	2000	200	100	508
	4,5	4	4,24	4750	3750	2000	200	120	557
	5	4	4,24	5250	4250	2000	200	120	531
	2,5	4,5	4,7	2750	1750	2000	200	100	498
	3	4,5	4,7	3250	2250	2000	200	100	509
	3,5	4,5	4,7	3750	2750	2000	200	100	520
	4	4,5	4,7	4250	3250	2000	200	100	531
1600 (160)	4,5	4,5	4,74	4750	3750	2000	200	120	580
	5	4,5	4,74	5250	4250	2000	200	120	595
	2,5	5	5,2	2760	1760	2250	200	100	551
	3	5	5,2	3260	2260	2250	200	100	562
	3,5	5	5,2	3760	2760	2250	200	100	573
	4	5	5,2	4260	3260	2250	200	100	585
	4,5	5	5,24	4760	3760	2250	200	120	633
	5	5	5,24	5260	4260	2250	200	120	649
	5,5	3	3,24	5720	4920	1500	200	120	399
	6	3	3,24	6220	5420	1500	200	120	414
	6,5	3	3,27	6720	5920	1500	200	135	467
	7	3	3,27	7220	6420	1500	200	135	485
	7,5	3	3,27	7720	6920	1500	200	135	503
	8	3	3,27	8220	7420	1500	200	135	521
	5,5	3,5	3,74	5720	4920	1500	200	120	415
	6	3,5	3,74	6220	5420	1500	200	120	430
	6,5	3,5	3,77	6720	5920	1500	200	135	483
	7	3,5	3,77	7220	6420	1500	200	135	501
	7,5	3,5	3,77	7720	6920	1500	200	135	519
	8	3,5	3,77	8220	7420	1500	200	135	537
	5,5	4	4,24	5750	4750	2000	200	120	584
	6	4	4,24	6250	5250	2000	200	120	599
	6,5	4	4,27	6750	5750	2000	200	135	652

(…) Poids estimé du palan.

(…) Estimated weight of the hoist.

CMU Max. capacity	Portée Span	Hauteur sous fer (HSF) Height under beam (HSF)	H	L	L1	E	Ø	I	Poids Weight
Kg	m	m	mm	mm	mm	mm	mm	mm	Kg
	7	4	4,27	7250	6250	2000	200	135	670
	7,5	4	4,27	7750	6750	2000	200	135	688
	8	4	4,27	8250	7250	2000	200	135	706
	5,5	4,5	4,74	5750	4750	2000	200	120	606
	6	4,5	4,74	6250	5250	2000	200	120	621
	6,5	4,5	4,77	6750	5750	2000	200	135	674
	7	4,5	4,77	7250	6250	2000	200	135	692
	7,5	4,5	4,77	7750	6750	2000	200	135	710
	8	4,5	4,77	8250	7250	2000	200	135	728
	5,5	5	5,24	5760	4760	2250	200	120	666
	6	5	5,24	6260	5260	2250	200	120	682
	6,5	5	5,27	6760	5760	2250	200	135	734
	7	5	5,27	7260	6260	2250	200	135	752
	7,5	5	5,27	7760	6760	2250	200	135	771
	8	5	5,27	8260	7260	2250	200	135	789
	2,5	5,5	5,7	2760	1760	2500	200	100	593
	3	5,5	5,7	3260	2260	2500	200	100	604
	3,5	5,5	5,7	3760	2760	2500	200	100	615
	4	5,5	5,7	4260	3260	2500	200	100	626
1600 (160)	4,5	5,5	5,74	4760	3760	2500	200	120	678
	5	5,5	5,74	5260	4260	2500	200	120	693
	5,5	5,5	5,74	5760	4760	2500	200	120	708
	6	5,5	5,74	6260	5260	2500	200	120	724
	6,5	5,5	5,77	6760	5760	2500	200	135	776
	7	5,5	5,77	7260	6260	2500	200	135	794
	7,5	5,5	5,77	7760	6760	2500	200	135	813
	8	5,5	5,77	8260	7260	2500	200	135	831
	2,5	6	6,2	2760	1760	2700	200	100	631
	3	6	6,2	3260	2260	2700	200	100	642
	3,5	6	6,2	3760	2760	2700	200	100	653
	4	6	6,2	4260	3260	2700	200	100	664
	4,5	6	6,24	4760	3760	2700	200	120	716
	5	6	6,24	5260	4260	2700	200	120	731
	5,5	6	6,24	5760	4760	2700	200	120	746
	6	6	6,24	6260	5260	2700	200	120	762
	6,5	6	6,27	6760	5760	2700	200	135	814
	7	6	6,27	7260	6260	2700	200	135	832
	7,5	6	6,27	7760	6760	2700	200	135	851
	8	6	6,27	8260	7260	2700	200	135	869
	2,5	3	3,22	2750	1750	1500	200	110	403
	3	3	3,22	3250	2250	1500	200	110	416
	3,5	3	3,22	3750	2750	1500	200	110	430
	4	3	3,24	4250	3250	1500	200	120	461
	4,5	3	3,27	4750	3750	1500	200	135	500
	5	3	3,27	5250	4250	1500	200	135	518
	2,5	3,5	3,72	2750	1750	1500	200	110	426
	3	3,5	3,72	3250	2250	1500	200	110	439
	3,5	3,5	3,72	3750	2750	1500	200	110	453
	4	3,5	3,74	4250	3250	1500	200	120	484
	4,5	3,5	3,77	4750	3750	1500	200	135	523
	5	3,5	3,77	5250	4250	1500	200	135	541
	2,5	4	4,22	2750	1750	2000	200	110	490
	3	4	4,22	3250	2250	2000	200	110	503
	3,5	4	4,22	3750	2750	2000	200	110	517
2000 (200)	4	4	4,24	4250	3250	2000	200	120	548
	4,5	4	4,27	4750	3750	2000	200	135	587
	5	4	4,27	5250	4250	2000	200	135	605
	2,5	4,5	4,72	2760	1760	2000	200	110	538
	3	4,5	4,72	3260	2260	2000	200	110	551
	3,5	4,5	4,72	3760	2760	2000	200	110	564
	4	4,5	4,74	4260	3260	2000	200	120	595
	4,5	4,5	4,77	4760	3760	2000	200	135	634
	5	4,5	4,77	5260	4260	2000	200	135	653
	2,5	5	5,22	2780	1780	2250	200	110	605
	3	5	5,22	3280	2280	2250	200	110	618
	3,5	5	5,22	3780	2780	2250	200	110	631
	4	5	5,24	4280	3280	2250	200	120	662
	4,5	5	5,27	4780	3780	2250	200	135	702
	5	5	5,27	5280	4280	2250	200	135	720
	5,5	3	3,27	5750	4750	1500	200	135	538
	6	3	3,3	6250	5250	1500	200	150	595

(…) Poids estimé du palan.

(…) Estimated weight of the hoist.

CMU Max. capacity	Portée Span	Hauteur sous fer (HSF) Height under beam (HSF)	H	L	L1	E	Ø	I	Poids Weight
Kg	m	m	mm	mm	mm	mm	mm	mm	Kg
	6,5	3	3,3	6750	5750	1500	200	150	616
	7	3	3,3	7250	6250	1500	200	150	637
	7,5	3	3,3	7750	6750	1500	200	150	658
	8	3	3,3	8250	7250	1500	200	150	680
	5,5	3,5	3,77	5750	4750	1500	200	135	560
	6	3,5	3,8	6250	5250	1500	200	150	617
	6,5	3,5	3,8	6750	5750	1500	200	150	638
	7	3,5	3,8	7250	6250	1500	200	150	659
	7,5	3,5	3,8	7750	6750	1500	200	150	680
	8	3,5	3,8	8250	7250	1500	200	150	702
	5,5	4	4,27	5750	4750	2000	200	135	616
	6	4	4,3	6250	5250	2000	200	150	673
	6,5	4	4,3	6750	5750	2000	200	150	694
	7	4	4,3	7250	6250	2000	200	150	715
	7,5	4	4,3	7750	6750	2000	200	150	736
	8	4	4,3	8250	7250	2000	200	150	758
	5,5	4,5	4,77	5760	4760	2000	200	135	658
	6	4,5	4,8	6260	5260	2000	200	150	716
	6,5	4,5	4,8	6760	5760	2000	200	150	737
	7	4,5	4,8	7260	6260	2000	200	150	758
	7,5	4,5	4,8	7760	6760	2000	200	150	779
	8	4,5	4,8	8260	7260	2000	200	150	800
	5,5	5	5,27	5780	4780	2250	200	135	789
	6	5	5,3	6280	5280	2250	200	150	846
	6,5	5	5,3	6780	5780	2250	200	150	867
2000	7	5	5,3	7280	6280	2250	200	150	889
(200)	7,5	5	5,3	7780	6780	2250	200	150	910
	8	5	5,3	8280	7280	2250	200	150	931
	2,5	5,5	5,72	2780	1780	2500	200	110	702
	3	5,5	5,72	3280	2280	2500	200	110	715
	3,5	5,5	5,72	3780	2780	2500	200	110	728
	4	5,5	5,74	4280	3280	2500	200	120	761
	4,5	5,5	5,77	4780	3780	2500	200	135	803
	5	5,5	5,77	5280	4280	2500	200	135	821
	5,5	5,5	5,77	5780	4780	2500	200	135	839
	6	5,5	5,8	6280	5280	2500	200	150	896
	6,5	5,5	5,8	6780	5780	2500	200	150	917
	7	5,5	5,8	7280	6280	2500	200	150	939
	7,5	5,5	5,8	7780	6780	2500	200	150	960
	8	5,5	5,8	8280	7280	2500	200	150	981
	2,5	6	6,22	2780	1780	2700	200	110	748
	3	6	6,22	3280	2280	2700	200	110	761
	3,5	6	6,22	3780	2780	2700	200	110	774
	4	6	6,24	4280	3280	2700	200	120	807
	4,5	6	6,27	4780	3780	2700	200	135	849
	5	6	6,27	5280	4280	2700	200	135	867
	5,5	6	6,27	5780	4780	2700	200	135	885
	6	6	6,3	6280	5280	2700	200	150	942
	6,5	6	6,3	6780	5780	2700	200	150	963
	7	6	6,3	7280	6280	2700	200	150	985
	7,5	6	6,3	7780	6780	2700	200	150	1006
	8	6	6,3	8280	7280	2700	200	150	1027
	2,5	3	3,3	2780	1780	1500	250	150	428
	3	3	3,3	3280	2280	1500	250	150	449
	3,5	3	3,3	3780	2780	1500	250	150	471
	4	3	3,3	4280	3280	1500	250	150	492
	4,5	3	3,3	4780	3780	1500	250	150	513
	5	3	3,3	5280	4280	1500	250	150	534
	2,5	3,5	3,8	2780	1780	1500	250	150	455
	3	3,5	3,8	3280	2280	1500	250	150	476
3200	3,5	3,5	3,8	3780	2780	1500	250	150	498
(300)	4	3,5	3,8	4280	3280	1500	250	150	519
	4,5	3,5	3,8	4780	3780	1500	250	150	540
	5	3,5	3,8	5280	4280	1500	250	150	561
	2,5	4	4,3	2800	1800	2000	250	150	529
	3	4	4,3	3300	2300	2000	250	150	550
	3,5	4	4,3	3800	2800	2000	250	150	571
	4	4	4,3	4300	3300	2000	250	150	592
	4,5	4	4,3	4800	3800	2000	250	150	613
	5	4	4,3	5300	4300	2000	250	150	634
	2,5	4,5	4,8	2800	1800	2000	250	150	559

(…) Poids estimé du palan.

(…) Estimated weight of the hoist.

CMU Max. capacity	Portée Span	Hauteur sous fer (HSF) Height under beam (HSF)	H	L	L1	E	Ø	I	Poids Weight
Kg	m	m	mm	mm	mm	mm	mm	mm	Kg
3200 (300)	3	4,5	4,8	3300	2300	2000	250	150	580
	3,5	4,5	4,8	3800	2800	2000	250	150	601
	4	4,5	4,8	4300	3300	2000	250	150	622
	4,5	4,5	4,8	4800	3800	2000	250	150	643
	5	4,5	4,8	5300	4300	2000	250	150	664
	2,5	5	5,3	2850	1450	2250	250	150	781
	3	5	5,3	3350	1950	2250	250	150	802
	3,5	5	5,3	3850	2450	2250	250	150	823
	4	5	5,3	4350	2950	2250	250	150	844
	4,5	5	5,3	4850	3450	2250	250	150	865
	5	5	5,3	5350	3950	2250	250	150	886
	5,5	3	3,33	5780	4780	1500	250	160	690
	6	3	3,33	6280	5280	1500	250	160	714
	6,5	3	3,33	6780	5780	1500	250	160	739
	7	3	3,33	7280	6280	1500	250	160	764
	7,5	3	3,36	7780	6780	1500	250	170	851
	8	3	3,36	8280	7280	1500	250	170	880
	5,5	3,5	3,83	5780	4780	1500	250	160	718
	6	3,5	3,83	6280	5280	1500	250	160	742
	6,5	3,5	3,83	6780	5780	1500	250	160	767
	7	3,5	3,83	7280	6280	1500	250	160	792
	7,5	3,5	3,86	7780	6780	1500	250	170	879
	8	3,5	3,86	8280	7280	1500	250	170	908
	5,5	4	4,33	5800	4800	2000	250	160	827
	6	4	4,33	6300	5300	2000	250	160	851
	6,5	4	4,33	6800	5800	2000	250	160	876
	7	4	4,33	7300	6300	2000	250	160	901
	7,5	4	4,36	7800	6800	2000	250	170	988
	8	4	4,36	8300	7300	2000	250	170	1017
	5,5	4,5	4,83	5800	4800	2000	250	160	857
	6	4,5	4,83	6300	5300	2000	250	160	881
	6,5	4,5	4,83	6800	5800	2000	250	160	906
	7	4,5	4,83	7300	6300	2000	250	160	931
	7,5	4,5	4,86	7800	6800	2000	250	170	1018
	8	4,5	4,86	8300	7300	2000	250	170	1047
	5,5	5	5,33	5850	4450	2250	250	160	1247
	6	5	5,33	6350	4950	2250	250	160	1272
	6,5	5	5,33	6850	5450	2250	250	160	1296
	7	5	5,33	7350	5950	2250	250	160	1321
	7,5	5	5,36	7850	6450	2250	250	170	1409
	8	5	5,36	8350	6950	2250	250	170	1438
	2,5	5,5	5,8	2850	1450	2500	250	150	1164
	3	5,5	5,8	3350	1950	2500	250	150	1185
	3,5	5,5	5,8	3850	2450	2500	250	150	1206
	4	5,5	5,8	4350	2950	2500	250	150	1227
	4,5	5,5	5,8	4850	3450	2500	250	150	1248
	5	5,5	5,8	5350	3950	2500	250	150	1269
	5,5	5,5	5,83	5850	4450	2500	250	160	1331
	6	5,5	5,83	6350	4950	2500	250	160	1356
	6,5	5,5	5,83	6850	5450	2500	250	160	1380
	7	5,5	5,83	7350	5950	2500	250	160	1405
	7,5	5,5	5,86	7850	6450	2500	250	170	1493
	8	5,5	5,86	8350	6950	2500	250	170	1522
	2,5	6	6,3	2850	1450	2700	250	150	1240
	3	6	6,3	3350	1950	2700	250	150	1261
	3,5	6	6,3	3850	2450	2700	250	150	1282
	4	6	6,3	4350	2950	2700	250	150	1303
	4,5	6	6,3	4850	3450	2700	250	150	1324
	5	6	6,3	5350	3950	2700	250	150	1345
	5,5	6	6,33	5850	4450	2700	250	160	1407
	6	6	6,33	6350	4950	2700	250	160	1432
	6,5	6	6,33	6850	5450	2700	250	160	1456
	7	6	6,33	7350	5950	2700	250	160	1481
	7,5	6	6,36	7850	6450	2700	250	170	1569
	8	6	6,36	8350	6950	2700	250	170	1598

(…) Poids estimé du palan.

(…) Estimated weight of the hoist.

CMU Max. capacity	Portée Span	Hauteur sous fer (HSF) Height under beam (HSF)	H	L	L1	E	Ø	I	Poids Weight
Kg	m	m	mm	mm	mm	mm	mm	mm	Kg
5000 (500)	2,5	3	3,36	2800	1800	1500	300	170	613
	3	3	3,36	3300	2300	1500	300	170	641
	3,5	3	3,36	3800	2800	1500	300	170	670
	4	3	3,36	4300	3300	1500	300	170	698
	4,5	3	3,36	4800	3800	1500	300	170	727
	5	3	3,36	5300	4300	1500	300	170	756
	2,5	3,5	3,86	2800	1800	1500	300	170	643
	3	3,5	3,86	3300	2300	1500	300	170	671
	3,5	3,5	3,86	3800	2800	1500	300	170	700
	4	3,5	3,86	4300	3300	1500	300	170	728
	4,5	3,5	3,86	4800	3800	1500	300	170	757
	5	3,5	3,86	5300	4300	1500	300	170	786
	2,5	4	4,36	2850	1450	2000	300	170	926
	3	4	4,36	3350	1950	2000	300	170	955
	3,5	4	4,36	3850	2450	2000	300	170	983
	4	4	4,36	4350	2950	2000	300	170	1012
	4,5	4	4,36	4850	3450	2000	300	170	1041
	5	4	4,36	5350	3950	2000	300	170	1069
	2,5	4,5	4,86	2850	1450	2000	300	170	964
	3	4,5	4,86	3350	1950	2000	300	170	993
	3,5	4,5	4,86	3850	2450	2000	300	170	1021
	4	4,5	4,86	4350	2950	2000	300	170	1050
	4,5	4,5	4,86	4850	3450	2000	300	170	1079
	5	4,5	4,86	5350	3950	2000	300	170	1107
	2,5	5	5,36	2900	1500	2500	300	170	1300
	3	5	5,36	3400	2000	2500	300	170	1328
	3,5	5	5,36	3900	2500	2500	300	170	1357
	4	5	5,36	4400	3000	2500	300	170	1385
	4,5	5	5,36	4700	3500	2500	300	170	1414
	5	5	5,36	5400	4000	2500	300	170	1443
	5,5	3	3,4	5800	4800	1500	300	180	836
	6	3	3,4	6300	5300	1500	300	180	870
	6,5	3	3,4	6800	5800	1500	300	180	903
	7	3	3,4	7300	6300	1500	300	180	936
	7,5	3	3,4	7800	6800	1500	300	180	969
	8	3	3,4	8300	7300	1500	300	180	1002
	5,5	3,5	3,9	5800	4800	1500	300	180	868
	6	3,5	3,9	6300	5300	1500	300	180	902
	6,5	3,5	3,9	6800	5800	1500	300	180	935
	7	3,5	3,9	7300	6300	1500	300	180	968
	7,5	3,5	3,9	7800	6800	1500	300	180	1001
	8	3,5	3,9	8300	7300	1500	300	180	1034
	5,5	4	4,4	5850	4450	2000	300	180	1240
	6	4	4,4	6350	4950	2000	300	180	1273
	6,5	4	4,4	6850	5450	2000	300	180	1306
	7	4	4,4	7350	5950	2000	300	180	1339
	7,5	4	4,4	7850	6450	2000	300	180	1372
	8	4	4,4	8350	6950	2000	300	180	1406
	5,5	4,5	4,9	5850	4450	2000	300	180	1286
	6	4,5	4,9	6350	4950	2000	300	180	1319
	6,5	4,5	4,9	6850	5450	2000	300	180	1352
	7	4,5	4,9	7350	5950	2000	300	180	1385
	7,5	4,5	4,9	7850	6450	2000	300	180	1418
	8	4,5	4,9	8350	6950	2000	300	180	1452
	5,5	5	5,4	5900	4500	2500	300	180	1569
	6	5	5,4	6400	5000	2500	300	180	1603
	6,5	5	5,4	6900	5500	2500	300	180	1636
	7	5	5,4	7400	6000	2500	300	180	1669
	7,5	5	5,4	7900	6500	2500	300	180	1702
	8	5	5,4	8400	7000	2500	300	180	1735
	2,5	5,5	5,86	2900	1500	2500	300	170	1399
	3	5,5	5,86	3400	2000	2500	300	170	1427
	3,5	5,5	5,86	3900	2500	2500	300	170	1456
	4	5,5	5,86	4400	3000	2500	300	170	1484
	4,5	5,5	5,86	4900	3500	2500	300	170	1513

(…) Poids estimé du palan.

(…) Estimated weight of the hoist.

CMU Max. capacity	Portée Span	Hauteur sous fer (HSF) Height under beam (HSF)	H	L	L1	E	Ø	I	Poids Weight
Kg	m	m	mm	mm	mm	mm	mm	mm	Kg
5000 (500)	5	5,5	5,86	5400	4000	2500	300	170	1542
	5,5	5,5	5,9	5900	4500	2500	300	180	1625
	6	5,5	5,9	6400	5000	2500	300	180	1659
	6,5	5,5	5,9	6900	5500	2500	300	180	1692
	7	5,5	5,9	7400	6000	2500	300	180	1725
	7,5	5,5	5,9	7900	6500	2500	300	180	1758
	8	5,5	5,9	8400	7000	2500	300	180	1791
	2,5	6	6,36	2900	1500	2700	300	170	1489
	3	6	6,36	3400	2000	2700	300	170	1517
	3,5	6	6,36	3900	2500	2700	300	170	1546
	4	6	6,36	4400	3000	2700	300	170	1574
	4,5	6	6,36	4900	3500	2700	300	170	1603
	5	6	6,36	5400	4000	2700	300	170	1632
	5,5	6	6,4	5900	4500	2700	300	180	1715
	6	6	6,4	6400	5000	2700	300	180	1749
	6,5	6	6,4	6900	5500	2700	300	180	1782
	7	6	6,4	7400	6000	2700	300	180	1815
	7,5	6	6,4	7900	6500	2700	300	180	1848
	8	6	6,4	8400	7000	2700	300	180	1881

(…) Poids estimé du palan.

(…) Estimated weight of the hoist.


1000 KG