

INSTANTANEOUS SAFETY GEAR

MODEL M255 M256



TECHNICAL DOSSIER

DS M255 M256 IN 05

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1. TECHNICAL CHARACTERISTICS.

| Weigh for pair: | 4,6 Kg. | | | | | | | |
|-------------------------|----------------------|------------|--------|------------|--------|------|------|------|
| Guide: | Cold drawn | (A) rai | thick | mess: | | | | |
| | | | | from 8 t | o 15 m | m N | 125 | 5. |
| | | 16 mm M256 | | | | | | |
| | Machined ra | ail (B) t | hickn | ess: | | | | |
| | | | | from 9 t | o 15 m | m N | 125 | 5 |
| | | | | 16 mm I | M256 | | | |
| Maximum rated speed: | Car: | | 0,63 r | n/seg. | | | | |
| | Counterwei | ight: | 1,00 | m/seg. | Only | if | it | is |
| | activated by a cabl | e loose | ning e | lement. If | the pa | rach | nute | e is |
| | operated with a ov | erspeed | d gove | ernor, the | maxim | um | spe | ed |
| | of actuation will be | 1.00 m | / s. | | | | | |
| Plane of general dimens | sions (N º Plane): | 255-10 | 001A | | | | | |
| | | 255-10 | 01B | | | | | |

| GUIDE RAIL THICKNESS | MAXIMUM RATED SPEED (m/s) | | MAXIMUM OVERSPEED GOVERNOR TRIPPING SPEED (m/s) | | PERMISSIBLE MASS (P+Q) Kg. | |
|-------------------------|------------------------------|---------------|---|---------------|-------------------------------|---------------|
| mm. | Cabin | Counterweight | Cabin | Counterweight | Cabin | Counterweight |
| 8 | 0,63 | 1,00 | 1,00 | 1,00 | 1.830 | 1.728 |
| De 9 a 15 | 0,63 | 1,00 | 1,00 | 1,00 | 2.330 | 2.200 |
| 16 | 0,63 | 1,00 | 1,00 | 1,00 | 2.575 | 2.432 |

| 1.1 | COLD DRAWN (A) |
|-----|----------------|
| | |

| CAR FRAME (P+Q) Kg. | | | | | | |
|---|------|------|--------|------|--|--|
| MAXIMUM OVERSPEED GOVERNOR TRIPPING SPEED (m/s) | 0,30 | 2459 | 3131 | 3461 | | |
| | 0,40 | 2396 | 3050 | 3371 | | |
| | 0,50 | 2321 | 2955 | 3266 | | |
| | 0,60 | 2233 | 2843 | 3142 | | |
| | 0,80 | 2037 | 2594 | 2866 | | |
| | 1,00 | 1830 | 2330 | 2575 | | |
| GUIDE RAIL THICKNESS (mm) | | 8 | 9 a 15 | 16 | | |



1.2 MACHINED (B)

| GUIDE RAIL THICKNESS | MAXIMUM RATED SPEED (m/s) | | MAXIMUM OVERSPEED GOVERNOR TRIPPING SPEED (m/s) | | PERMISSIBLE MASS (P+Q) Kg. | |
|-------------------------|------------------------------|---------------|---|---------------|-------------------------------|---------------|
| mm. | Cabin | Counterweight | Cabin | Counterweight | Cabin | Counterweight |
| De 9 a 15 | 0,63 | 1,00 | 1,00 | 1,00 | 3.238 | 3.057 |
| 16 | 0,63 | 1,00 | 1,00 | 1,00 | 3.962 | 3.740 |

| CAR FRAME (P+Q) Kg. | | | | | |
|---|--------|------|------|--|--|
| MAXIMUM OVERSPEED GOVERNOR TRIPPING SPEED (m/s) | 0,30 | 4354 | 5327 | | |
| | 0,40 | 4241 | 5187 | | |
| | 0,50 | 4105 | 5023 | | |
| | 0,60 | 3950 | 4833 | | |
| | 0,80 | 3603 | 4409 | | |
| | 1,00 | 3238 | 3962 | | |
| GUIDE RAIL THICKNES | 9 - 15 | 16 | | | |

2. ASSEMBLY.

The instantaneous action Safety-gear is supplied ready to be adapted to the chassis, as there is no adjustment element.

The Safety-gear is anchored to the chassis with 4 M12 screws, minimum quality 8.8, with 12mKg grip torque. It is adjusted with the rubbing plates until the guides are parallel to that of the flat side of the box and the d.b.g. (distance between guide) to the bottom of the box.

The operation of the rollers must be simultaneous and when the chassis is released from the lock position, the rollers must return to their stand-by position.

3. TEST.

This safety gear has been designed according to requirements of the EN-81 standard. To verify the operation of the safety gear it is compulsory to carry out the operation tests in downward direction.

4. MAINTENANCE OF THE SAFETY GEAR.

The following aspects must be guarantee by manual and visual verification:

- The absence of dirt or foreign bodies in the roller path.
- That the rollers are in standby position.
- That the linkage moves easily by hand.
- Make sure that the fasteners are tight.
- That the electrical operation contact works.
- That the fastening of the govern rope to the linkage is accurate.

The tests performed during periodic maintenance, are not considered wedging.

If in the periodic maintenance the braking distance, for the same load conditions and speed, is less than double than the first start up wedging test, it will not be necessary to change any element of the safety gear.

The rollers are the elements that most suffer in an emergency wedging, so it is advised to check them after each wedging (not maintenance wedging), and clean, if necessary, the particles embedded in these elements.

5. REPAIR.

If a fault or a possible incorrect operation is detected, do not manipulate or repair the safety gear and replace with a new one.

6. EVALUATION OF RISKS AND SAFETY.

During the installation and handling of the safety gears during maintenance there is a risk of entrapment between the roller and the guide rail, so assure that the car is completely stopped.

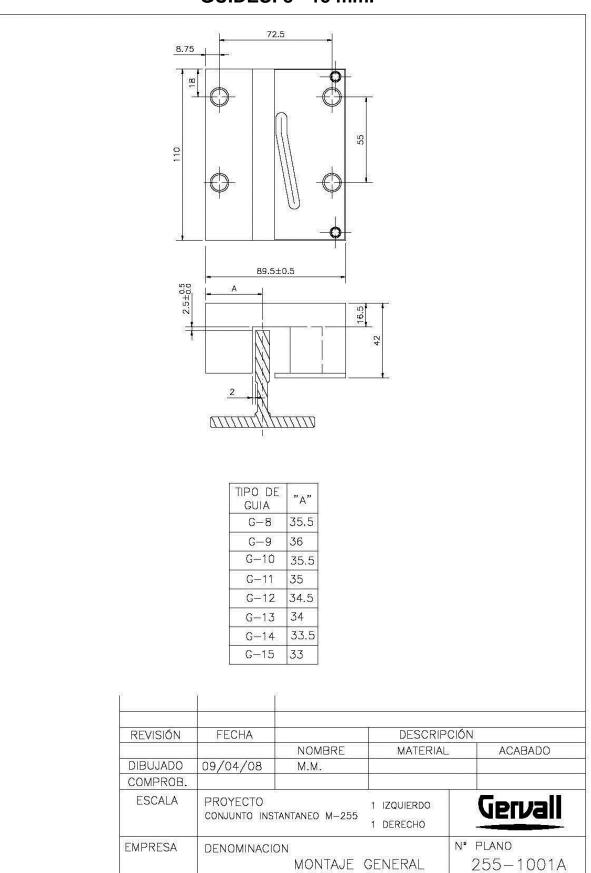
Safety gears are elements of heavy weight, so appropriate measures must be taken to avoid the falling of these on the installer or third parties, on the same level or different levels, and their correct manipulation to avoid excessive strain.

The installation of this component, requires adequate working tools for their correct installation. Their correct handling minimizes risks to the body.

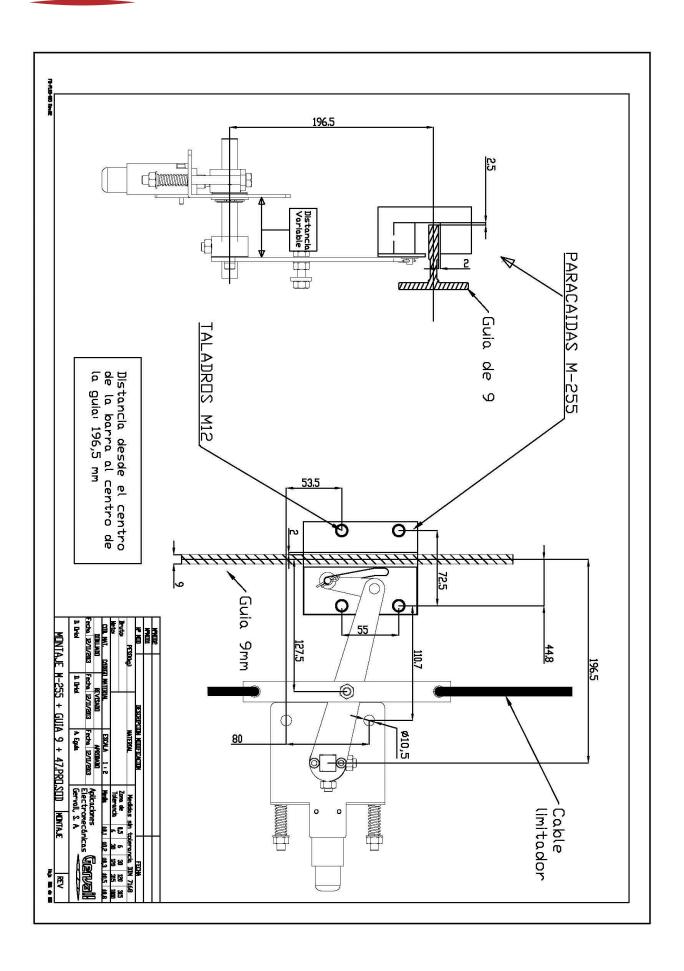
During the installation of the safety gears the driving set or leverage is also installed, which is a mechanical element, whose elements can cause entrapment.



7. DRAWINGS.

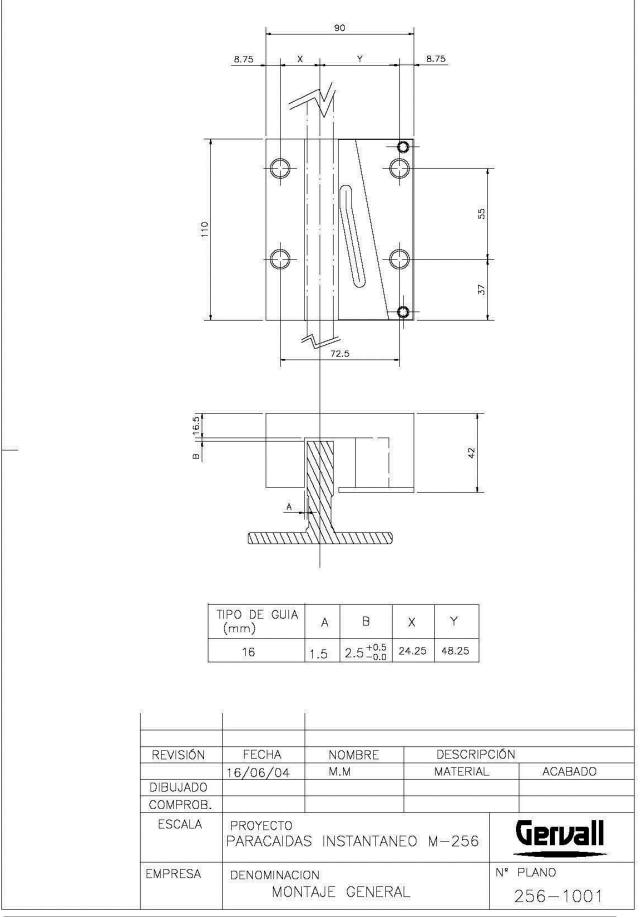


GUIDES: 8 - 15 mm.

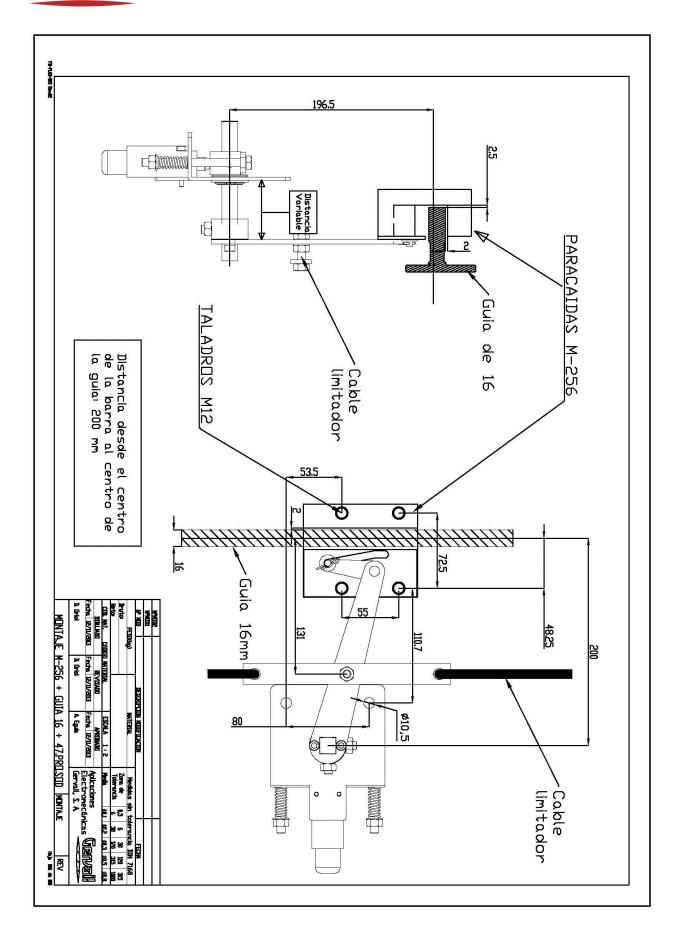




GUIDE 16 mm.



Instantaneous Safety Gear M255/256





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