



Montanari Giulio & C. s.r.l.



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Cod. MIUM CS 04/10



SPEED GOVERNOR

Object:

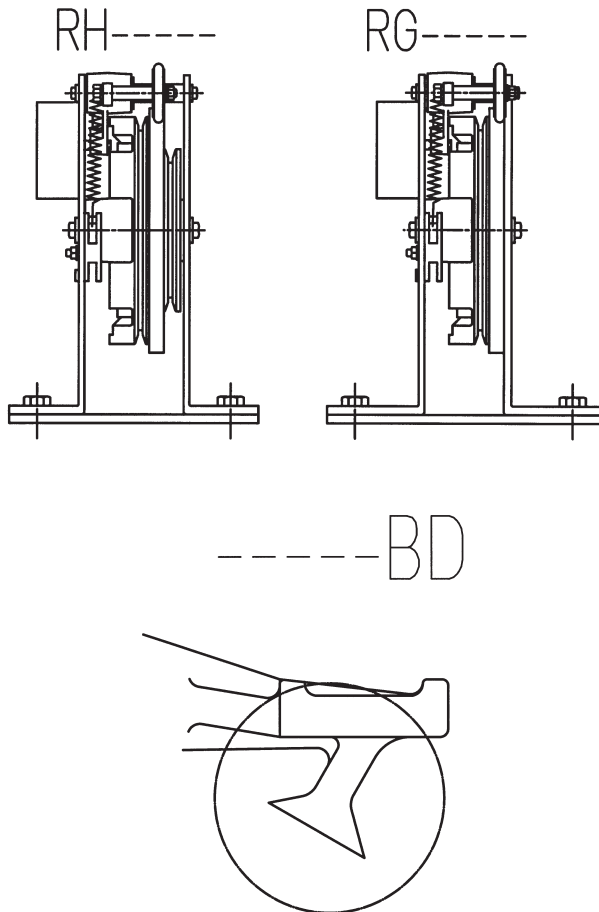
Speed governor for cabin safety gear or counterweight.

RG identifies the speed governors without test groove.

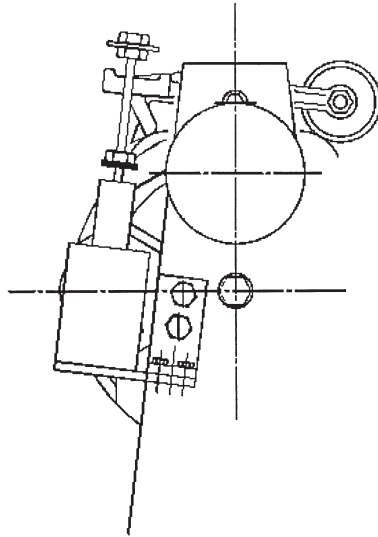
RH identifies the speed governors with test groove.

The numbers 200 or 300 indicate the diameter of the governor pulley.

BD indicates that the governor can cut in both in descent and ascent.



When the governor has to be mounted in an inaccessible position it can be equipped with a remote control for use when testing or inspecting.



This remote control consists of a direct current electromagnet fitted with a push rod that acts on the control lever.

When activated, the electromagnet causes the control lever to be lowered and the governor to stop.

N.B.: Activate the electromagnet only for inspecting or testing and only for the period necessary to block the governor.

Installation:

The governors are designed to be used inside at a temperature of between 0 and 40 degrees centigrade.

Mount the governor to its solid base by means of the holes provided.

The direction of rotation for descent is indicated by a red arrow on the pulley.

Provide a cable tensioner that can exert a force between 300 and 600 N.

Check that the force is sufficient and compatible with the parachute block used.

For speed governors with a diameter of 200 mm use only cables with a diameter of 6 - 6.5 mm; for governors with a diameter of 300 mm use cables of 6 - 8 mm.

Connect the electric contact(s) as shown on the contact(s) it/themselves.

The speed governors with bi-directional mechanical intervention (upward and downward, BD) can be used also in installations provided with mono-directional safety gear (downward only).

In this case, it is necessary to provide for a further inspection, in order to cause the speed governor blocking in ascent and to verify, in this way, there are no incompatibilities with the safety gear operation; in particular, it is necessary to verify that the operation levers can be stimulated for the use in that direction.



Use:

Minimum force generated to operate the safety gear is 300 N.

The governor is set in the factory and sealed.

The tripping speed is shown on the data plate together with the matriculation number and year of construction.

In the event of excess speed the governor cuts in automatically.

In order to reactivate the plant, the electric contact needs to be reset.

Maintenance:

The final test must verify the correct functioning of the plant, as laid down in norms EN 81/98, appendix E.

The RH type of governor incorporates a pulley with a test groove.

The groove can be used to block the governor as to verify its functioning.

It cannot be used to verify the tripping speed.

In case of malfunctioning:

1. Apply for instructions,
2. Indicating the matriculation number.

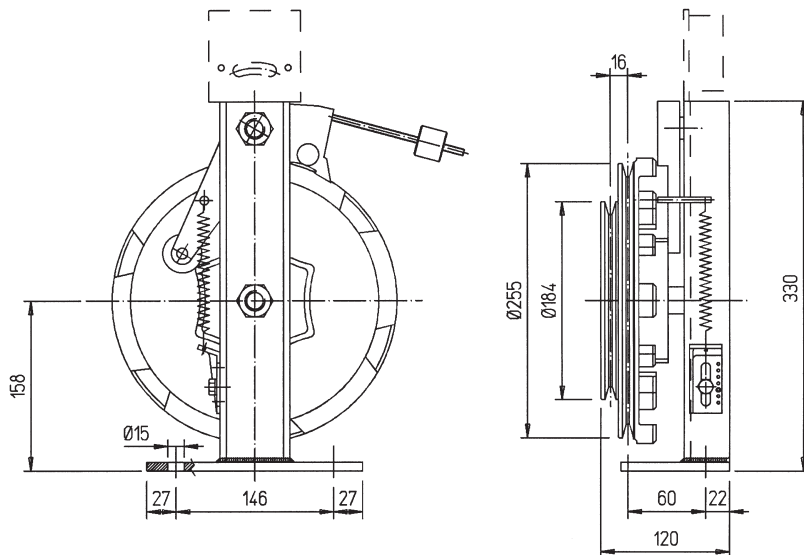
N.B.:

For items not specified in the present instruction booklet refer to norms EN 81/98.

TYPE FA SPEED GOVERNOR

Object:

Single-direction speed governor, to be applied to the parachute of the cabin or to the counter weight.



Installation:

The governors are suitable for use inside at temperatures of between 0 and 40 degrees centigrade.

Mount the governor to its solid base by means of the holes provided.

A red arrow marked on the pulley indicates the direction of rotation for descent.

For speed governors only use corresponding cables with a diameter of between 6 and 7 mm.

Provide a cable tensioner that generates enough force to work the parachute.

Check that the force values required are compatible with those on the type-examination certificate and on the basis of the requirements of the manufacturer of the parachute.

Connect the electrical contact as indicated on the contact itself.

Before putting into operation, carry out the general inspection and test as laid down in norms EN 81 1998 appendix D.

Use:

The governor is calibrated and leaded in the factory.

The release speed is shown on the type plate together with the matriculation number and year of construction.



In the event of excess speed, the governor cuts in automatically.
In order to reactivate the plant, the electrical contact needs to be reset.

Maintenance:

Check periodically, at least once a year, that the plant is working well and, if necessary, repeat the test as per appendix D of the EN 81 norms.

The governor incorporates a pulley with a test sheave.

This sheave can be used to activate the parachute arrest when testing, thereby checking that it is working correctly.

It cannot be used to verify the release speed.

In case of malfunctioning:

1. Stop the plant and put it out of use.
2. Apply for instructions, indicating the matriculation number.

N.B.:

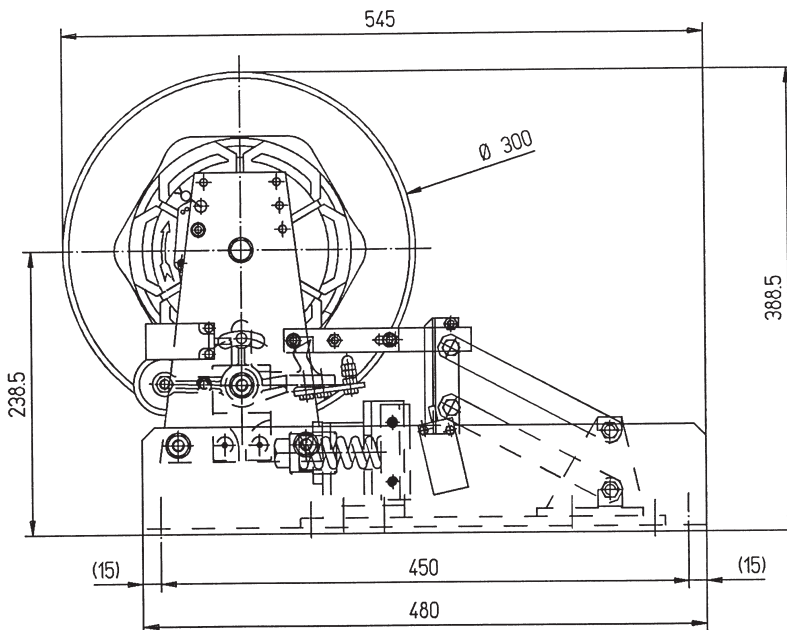
For items not specified in the present instruction booklet, refer to the EN81/1998 harmonizing norms.

SPEED GOVERNORS WITH CABLE BLOCKING DEVICE

Object:

Monodirectional speed governor applicable to the cabin parachute or to the counterweight fitted with a cable blocking device.

RG300BF is the identification number of this type of governor.



The principal characteristic is that it has an adjustable device to stop the cable such as to permit its use even with very "hard" parachute blocks.

Furthermore, the force developed on the cable is independent of the weight of the tensioner.

Installation:

The governors are designed to be used inside at a temperature of between 0 and 40 degrees centigrade.

Mount the governor to a solid base by means of the holes provided.

The direction of rotation for descent is indicated by a red arrow marked on the pulley.

The governor is calibrated in the factory to exert a minimum force of 300N.

On request, different calibrations can be supplied.

Check that the force is sufficient and compatible with the parachute block used.

Use exclusively 8mm diameter cables for speed governors.



The governor is supplied with two safety contacts for manual resetting. One is activated before the speed of intervention is reached and the other when the cable blocking device is activated. The two contacts must be connected in series so that when even only one of them is activated, it is sufficient to shut off the power to the plant.

Connect the electrical contacts as indicated on the contacts themselves.

Use:

Minimum force generated to activate the parachute is 300 N.

The governor is calibrated and sealed in the factory.

The intervention speed is stated on the label together with the serial number and year of construction.

In the case of excessive speed the governor comes into play automatically.

In order to reactivate the plant, the electrical contacts need to be reset.

Maintenance:

Check periodically, at least once a year, that the plant is working well in accordance with appendix D of the EN 81 norms and, if necessary, repeat the test as per appendix D of the above-mentioned norms.

In case of malfunctioning:

1. Stop the plant and prevent its use.
2. Apply for instructions, indicating the serial number.

N.B.:

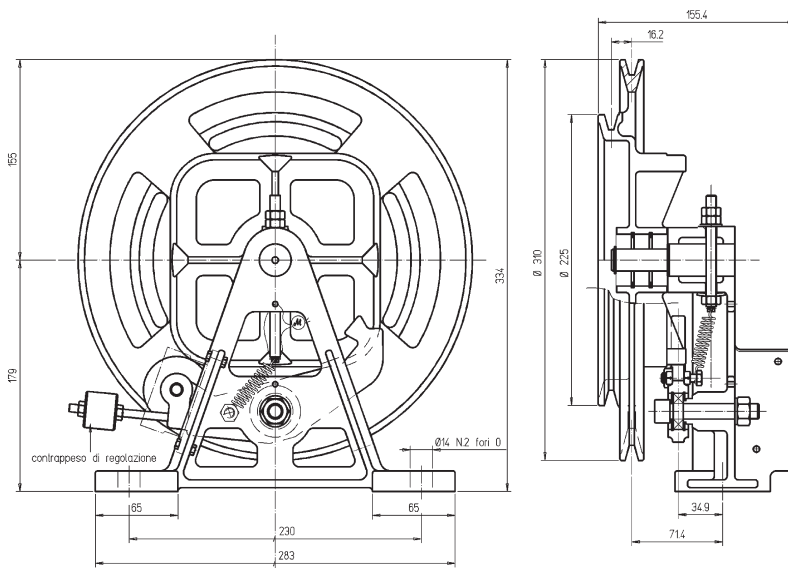
For items not specified in the present instruction booklet, refer to the standardised EN81/1998 norms.

NOR SPEED GOVERNOR

Object:

Single and bidirectional speed governor for safety gear:

- instant braking
- instant braking with shock absorption
- progressive braking



Installation

The speed governor is ideally suited for use inside a building at a temperature of between 0 and 40°C.

Check that the strength and speed meet requirements, based on data in the inspection and type-certificate, as well as on what is required by the manufacturer of the safety gear. Apply a tightening device with a suitable weight.

The tightening device and the weight of the cable combined must not create a radial force on the pulley of the speed governor of more than 90kg.

The rotational direction for descent is indicated by a red arrow on the pulley.

Fix the speed governor, through the appropriate drill holes, to a solid base.

For speed governors, only use cables with a width of between 6mm and 8mm.

Plug in the contact as indicated on the contact itself.

Test mechanism before putting into service, in accordance with the standard EN81-1 1998 appendix D.



The speed governors with bi-directional mechanical intervention (upward and downward, BD) can be used also in installations provided with mono-directional safety gear (downward only). In this case, it is necessary to provide for a further inspection, in order to cause the speed governor blocking in ascent and to verify, in this way, there are no incompatibilities with the safety gear operation; in particular, it is necessary to verify that the operation levers can be stimulated for the use in that direction.

Use

The speed governor is calibrated in the factory and is plumbed.

The tripping speed is indicated on the plate, together with the serial number and year of construction.

The nominal speed allowed: $V \leq 1.47 \text{ m/sec}$.

The tripping speed allowed: $V1 = 0.40 - 2.00 \text{ m/sec}$

In case of excessive speed, the small lever under the speed governor engages to the pulley, blocking it immediately.

As well as blocking the motion of the pulley, the lever activates a microswitch which cuts off the electricity to the installation.

The microswitch effects the electrical cut-off before the mechanical stop, and must be reset manually.

Maintenance

Check its proper functioning periodically, at least once a year, and at some point test it following the specifications set out in Appendix D of the standard EN81.

The speed governor has a pulley fitted with a test groove.

This groove can be used to bring into action the safety gear during a test so as to check its correct functioning. It cannot be used to check the tripping speed.

In case of malfunction

- 1) Shut off the installation and block its use.
- 2) Ask for instructions quoting the serial number.

Note

For anything not specified in this booklet, please follow the harmonised guidelines in EN81/1998.