

OL35-NA

Nummer/Code **TC.7.000537.DE**

Stand/Version **E**

Datum/Date **01.03.2021**

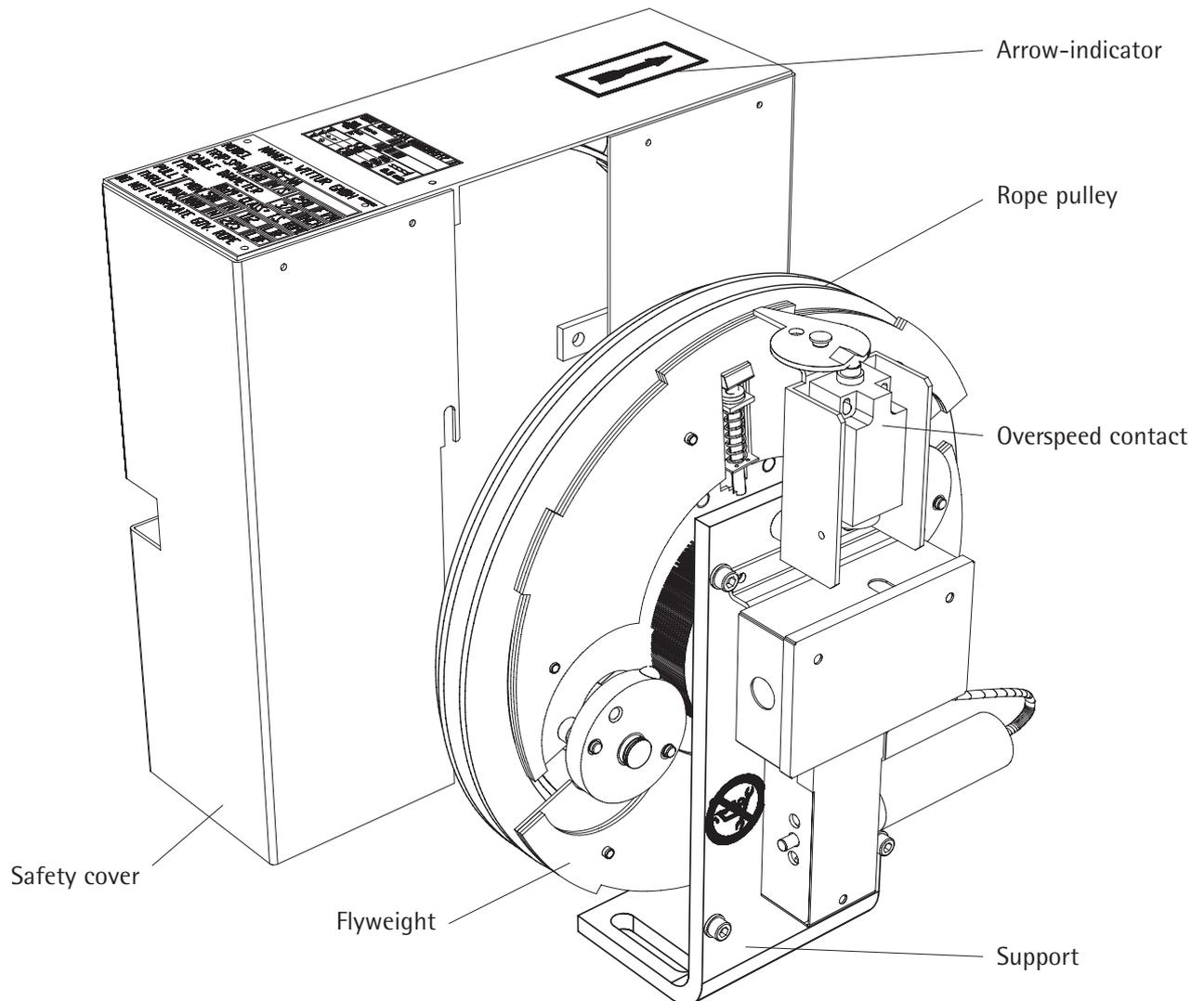
GESCHWINDIGKEITSBEGRENZER OVERSPEED GOVERNOR



OL35-NA
NORTH AMERICA
OVERSPEED GOVERNOR

Blatt/sheet D700CDEGB.2
Datum/date 15.10.2002
Stand/version D-11.03.2014
Geprüft/approved WAT/KKr

1 Description



The Overspeed governor OL35-NA is a safety component which is activated when the maximum rated speed of the car is passed.

The OL35-NA has a bi-directional electrical protection and a single-directional mechanical release.

If the car frame exceeds the max. nominal speed and reaches the tripping speed, the overspeed governor intervenes and activates the safety gear through the governor rope. The car frame is stopped and held on to the guide rails.



OL35-NA
NORTH AMERICA
OVERSPEED GOVERNOR

Blatt/sheet D700CDEGB.3
Datum/date 15.10.2002
Stand/version E-01.03.2021
Geprüft/approved WAT/KKr

2 Range of use

2.1 Approval

The OL35-NA can be used in elevators according ASME-
A17.1(California State Approval No.: 4695)/CSA B44 .

2.2 Operation data

	OL35-NA	
rated speed	0.51 m/s ... 2.54 m/s 100 ft/min ... 500 ft/min	1.02 m/s 200 ft/min
rope pulley diameter	306 mm 12"	200 / 203 mm 8"
rope diameter	6 / 9,5 mm 0.236 / 0.375"	6 / 6,5 mm 0.236 / 0.256"
hardened pulley groove	No	
brake force of the overspeed governor	min. 500N ... max. 1000N min. 112lbf ... max. 225lbf	min. 600N ... max. 1000N min. 135lbf ... max. 225lbf
tension force of the governor	min. 250 N ... max. 350 N min. 56 lbf ... max. 79 lbf	min. 300N ... max. 350N min. 67lbf ... max. 79lbf
max. travel height	75m 246'	30m 98,5'
max. distance between overspeed governor and tension weight	80m 262.5'	36m 118'
remote tripping and reset	optional'	Yes'
encoder	see chapter 4.4.	No
environmental enclosure rating - IEC	IP2x	
operating temperature	-5°C ... +55°C +23°F ... +131°F	
storage temperature	-40°C ... +70°C -40°F ... +158°F	
air humidity	<98% / 40°C <98% / 104°F	

2.3 Type general view

acc. to ASME A-17.1							
valid for 306mm rope pulleys				valid for 200/203mm rope pulleys			
Application	Nominal speed NS [ft/min]	Contact speed CS [ft/min]	Tripping speed TS [ft/min]	Application	Nominal speed NS [ft/min]	Contact speed CS [ft/min]	Tripping speed TS [ft/min]
CAR CWT	100	130,0 143,0	140,0 154,0	CAR CWT	200	250 not available	280 not available
CAR CWT	150	195,0 214,5	210,0 231,0	CAR Car frame CWT Counterweight			
CAR CWT	200	229,4 252,3	255,0 280,5				
CAR CWT	300	337,5 371,3	375,0 412,5				
CAR CWT	350	393,8 433,1	437,5 481,3				
CAR CWT	500	553,5 608,9	615,0 676,5				

$$CS_{CWT} = 1,1 \times CS_{CAR}$$

$$TS_{CWT} = 1,1 \times TS_{CAR}$$

Adjustment tolerances:

CS -5%/+0% TS -5%/+0%

Contact speed CS: (for car side valid only)

$CS \leq 1,0 \times TS$ for $NS \leq 150$ ft/min (0,762 m/s)

$CS \leq 0,9 \times TS$ for $NS > 150$ ft/min (0,762 m/s)



If the nominal speed is not given in the table, the formulas below are valid for the adjusted contact and tripping speed. Please contact us, if other then the calculated values for CS and TS are needed.

Formula for optional adjustment:

	car frame CAR
Tripping speed	$TS = 1,40 \times NS$ ($NS \leq 157,5$ ft/min)
	$TS = 1,275 \times NS$ ($NS \leq 246,1$ ft/min)
	$TS = 1,25 \times NS$ ($NS \leq 423,2$ ft/min)
	$TS = 1,241 \times NS$ ($NS \leq 492,1$ ft/min)
	$TS = 1,23 \times NS$ ($NS \leq 500$ ft/min)
Contact speed	$CS = 1,30 \times NS$ ($NS \leq 157,5$ ft/min)
	$CS = 1,147 \times NS$ ($NS \leq 246,1$ ft/min)
	$CS = 1,125 \times NS$ ($NS \leq 492,1$ ft/min)
	$CS = 1,107 \times NS$ ($NS \leq 500,0$ ft/min)



OL35-NA
NORTH AMERICA
OVERSPEED GOVERNOR

Blatt/sheet D700CDEGB.5
Datum/date 15.10.2002
Stand/version B-07.04.2004
Geprüft/approved WAT/KKr

2.4 Function

The basic functions of the overspeed governor are to detect overspeed mechanically and electrically:

- to stop the elevator drive electrically (the overspeed governor is equipped with overspeed contact)
- to activate the safety gear mechanically

Tripping direction:

Tripping right, Tripping left (according to Layout)

Lifetime:

- max. 250 turns with max. 15 turns per test, if more than 10 turns per test, the governor (brake) must cool off for 30 minutes minimum

A tension weight is needed to tighten the rope of the overspeed governor.

Response time



The response time of the overspeed governor before tripping is very short because the governor trips at any point over 360°..



Product environment

- Max. allowed forces applied to the governor:

pulley diameter	12" (306mm)		8" (200mm)
rope diameter	3/8" (9,5mm)	0.236" (6mm)	0.236/0.256" (6/6.5mm)
tension weight	79lbf (350N)		
rope weight	146lbf (650N)	67lbf (300N)	30lbf (135N)
brake force	225lbf (1000N)		

- Tension weight:
vertically guided or swing arm (including safety switch,
manual reset type)

pulley diameter	12" (306mm)	8" (200mm)
min. tension weight	56lbf (250N)	67lbf (300N)
max. tension weight	79lbf (350N)	79lbf (350N)

- Rope:
The Overspeed governor shall be driven by a steel wire
rope designed for that purpose.

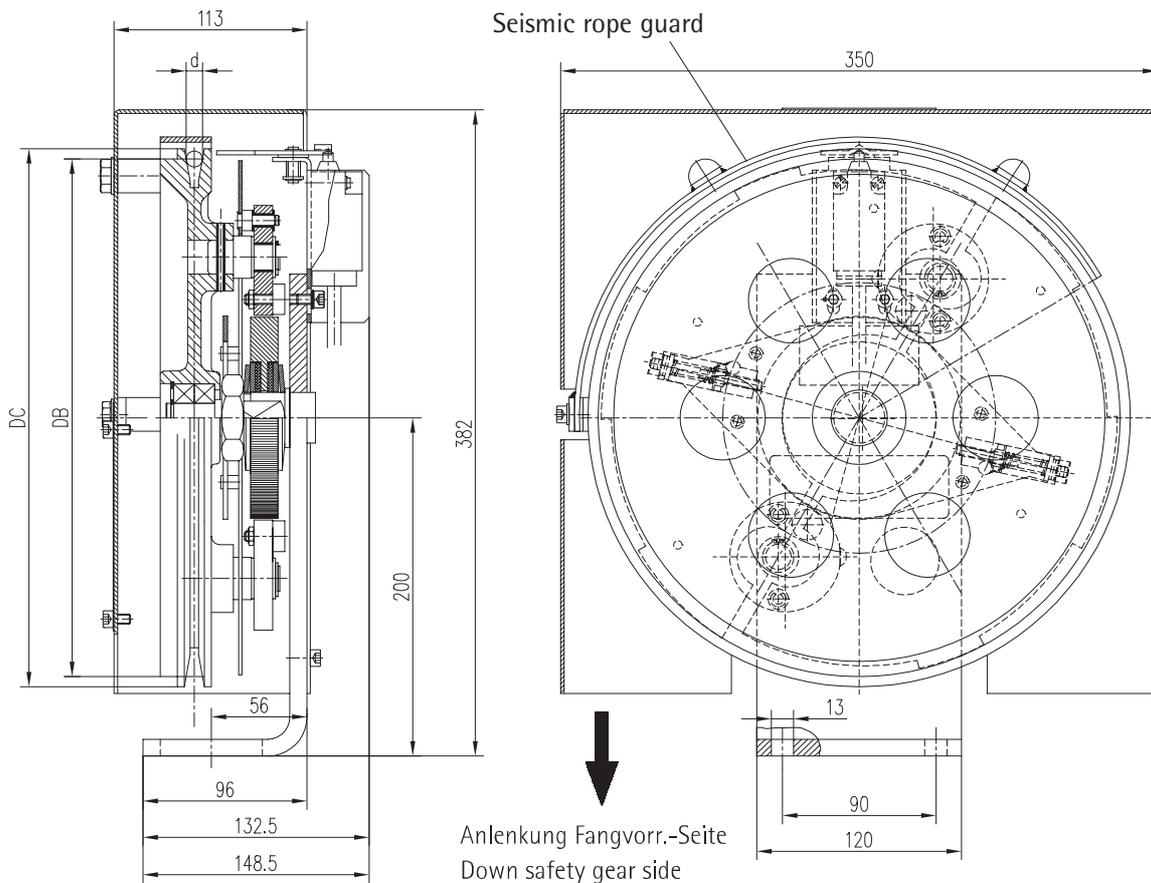
pulley diameter	306mm (12")		200mm (8")
nominal rope diameter	0.236" (6mm)	3/8" (9,5mm)	0.236/0.256" (6/6,5 mm)
min. number of rope strands	6	8	8
min. breaking load of rope	3665lbf (16300N)		
rope type	fibre core or full steel		

- Rope data:
GW-steel wire to DIN EN 12385-5
Tensile grade min. 1570 N/mm² & max 1770 N/mm²
or better quality

3 Project engineering and assembly

3.1 Dimensions of governors without encoder

Valid for overspeed governors with 12" rope pulley.



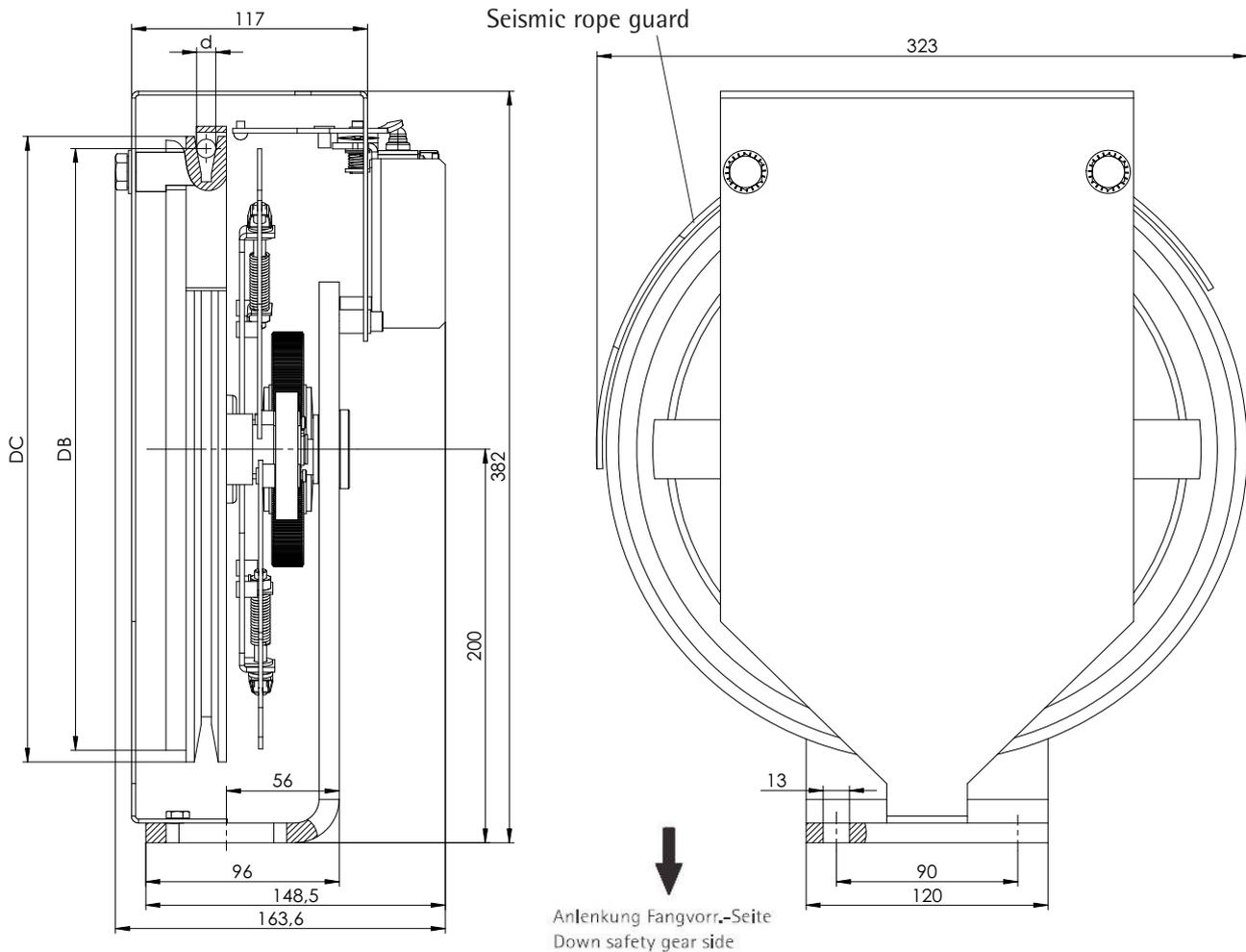
d	DB	DC
0.236" (6mm)	12" (306mm)	12 1/2" (318mm)
3/8" (9.5mm)	12" (306mm)	12 1/2" (318mm)

d diameter of the rope
DB Nominal diameter of the drive groove for the governor rope
DC Outside diameter of the pulley

 Picture shows function direction "tripping left"
"tripping right" is the mirror image.

3.1.1 Optional "partly enclosed cover" type 604289G01/G02

This cover is typically used for machine room less applications.



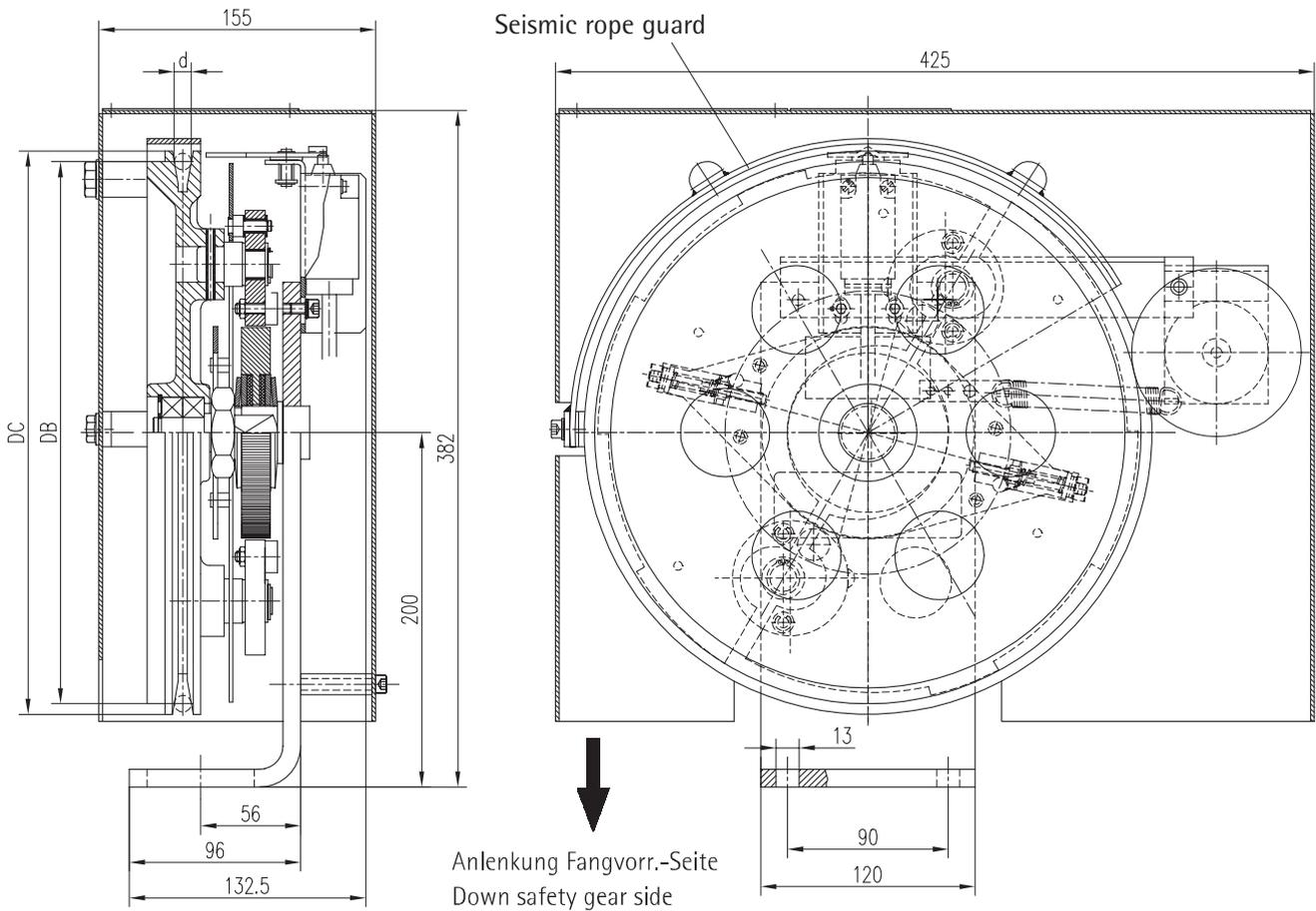
d	DB	DC
0.236" (6mm)	12" (306mm)	12 1/2" (318mm)
3/8" (9.5mm)	12" (306mm)	12 1/2" (318mm)

d diameter of the rope
DB Nominal diameter of the drive groove for the governor rope
DC Outside diameter of the pulley

 Picture shows function direction "tripping left"
"tripping right" is the mirror image.
604289G01 for "tripping right"
604289G02 for "tripping left"

3.2 Dimensions of governors with side-mounted friction-type encoder (encoder type 602258G01)

Valid for overspeed governors with 12" rope pulley.



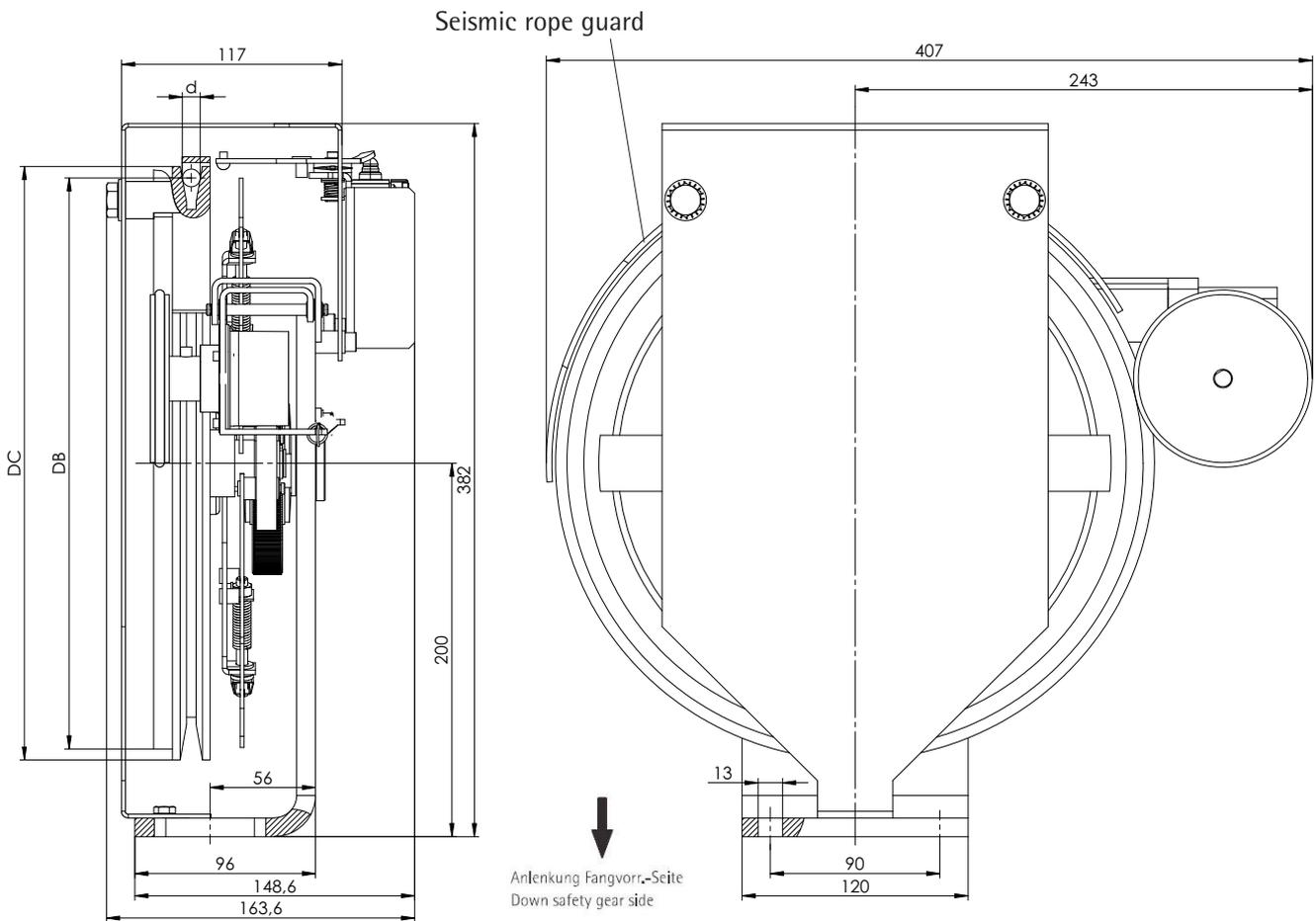
d	DB	DC
0.236" (6mm)	12" (306mm)	12 1/2" (318mm)
3/8" (9.5mm)	12" (306mm)	12 1/2" (318mm)

d diameter of the rope
DB Nominal diameter of the drive groove for the governor rope
DC Outside diameter of the pulley

 Picture shows function direction "tripping left"
"tripping right" is the mirror image.

3.2.1 Optional "partly enclosed cover" type 604289G01/G02

This cover is typically used for machine room less applications.



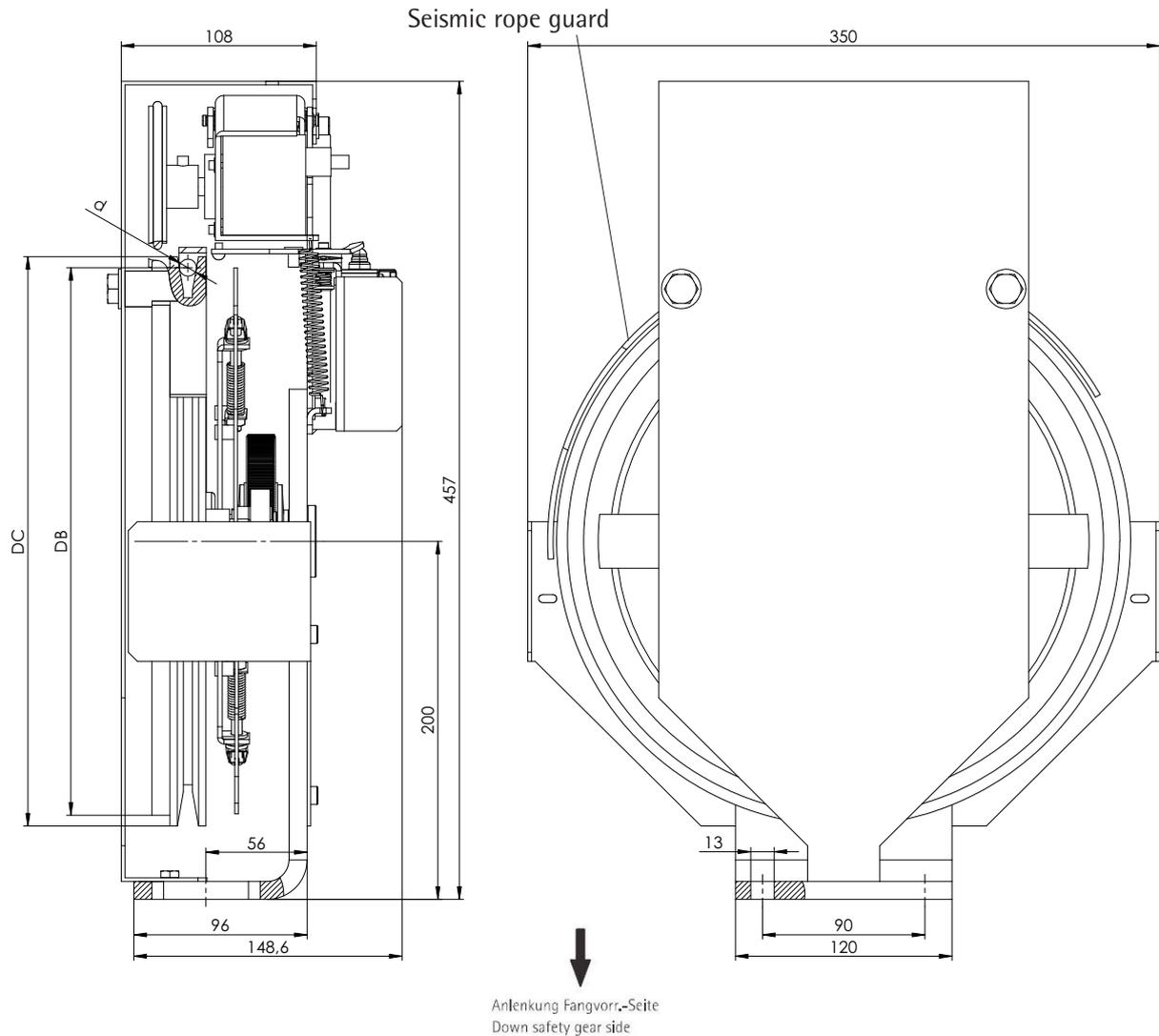
d	DB	DC
0.236" (6mm)	12" (306mm)	12 1/2" (318mm)
3/8" (9.5mm)	12" (306mm)	12 1/2" (318mm)

d diameter of the rope
DB Nominal diameter of the drive groove for the governor rope
DC Outside diameter of the pulley

 Picture shows function direction "tripping left"
"tripping right" is the mirror image.
604289G01 for "tripping right"
604289G02 for "Auslösung links"

3.3 Dimensions of governors with top-mounted friction-type encoder (encoder type 602258G07)

Valid for overspeed governors with 12" rope pulley.
This cover is typically used for machine room less applications



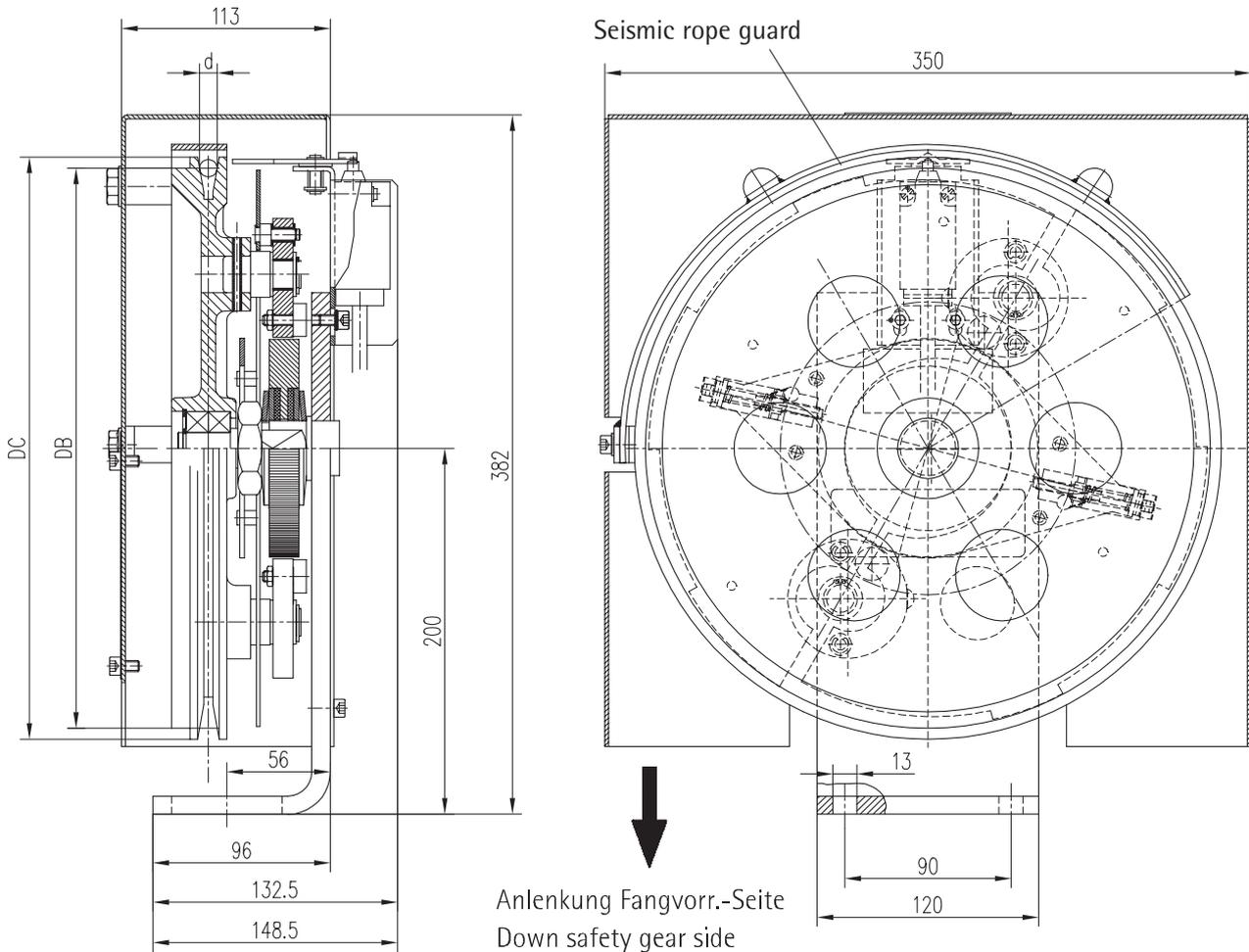
d	DB	DC
0.236" (6mm)	12" (306mm)	12 1/2" (318mm)
3/8" (9.5mm)	12" (306mm)	12 1/2" (318mm)

d diameter of the rope
DB Nominal diameter of the drive groove for the governor rope
DC Outside diameter of the pulley

 Picture shows function direction "tripping left"
"tripping right" is the mirror image.
604289G05 for "tripping right"
604289G06 for "tripping left"

3.4 Dimensions of governors with magnet-ring encoder (encoder type 900897G01)

Valid for overspeed governors with 12" rope pulley.



d	DB	DC
0.236" (6mm)	12" (306mm)	12 1/2" (318mm)
3/8" (9.5mm)	12" (306mm)	12 1/2" (318mm)

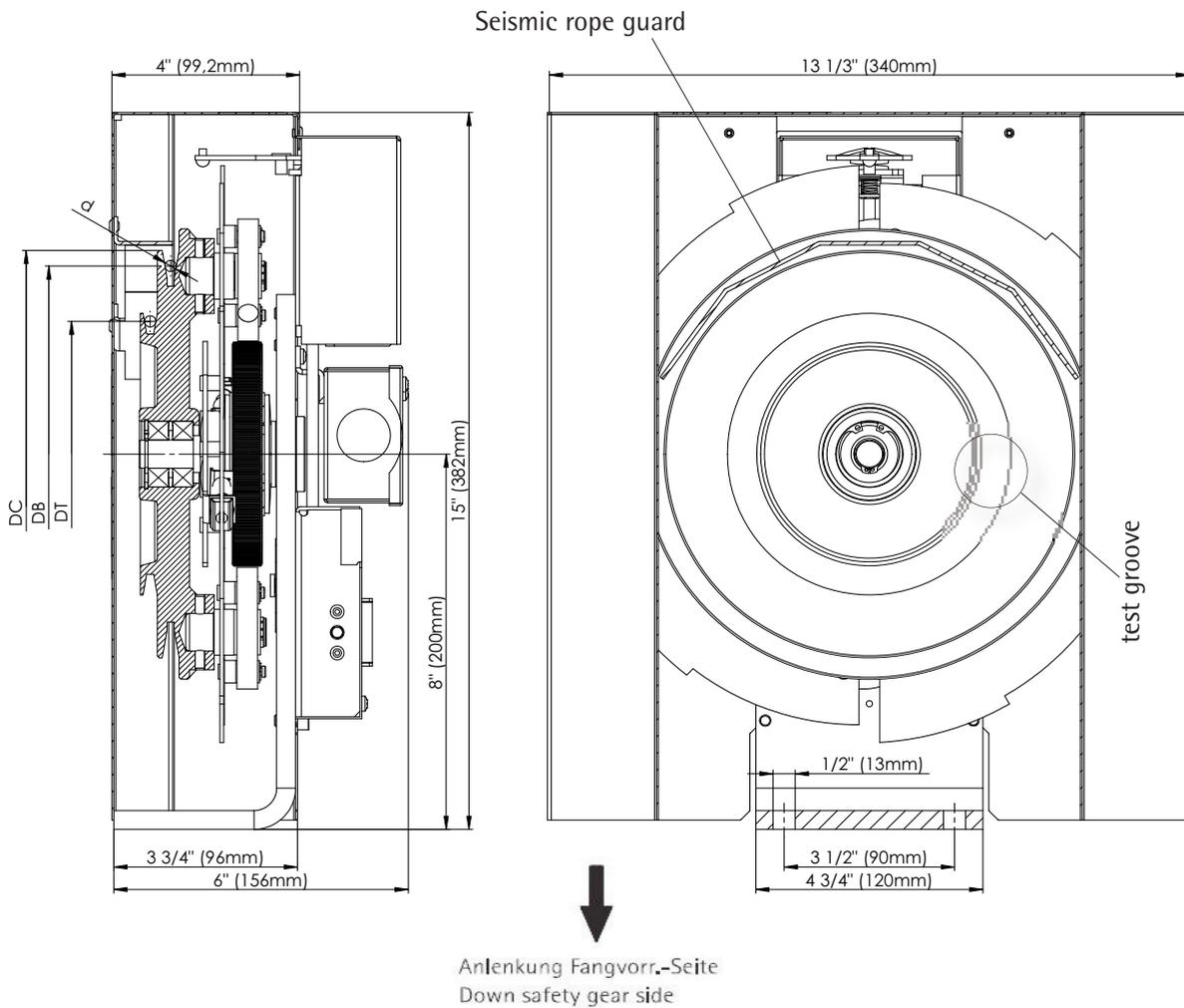
- d diameter of the rope
- DB Nominal diameter of the drive groove for the governor rope
- DC Outside diameter of the pulley

 Picture shows function direction "tripping left"
"tripping right" is the mirror image.

3.5 Dimensions of governors with 8" rope pulley

Valid for overspeed governors with 8" rope pulley only.

The pulley type is equipped with a test groove. Because of the smaller diameter of the groove, the overspeed contact can be tested at rated speed.



d	DB	DC	DT
0.236" (6mm)	8 21/24" (200mm)	8 35/64" (217mm)	5 36/64" (141mm)
0.256" (6.5mm)	8" (203mm)	8 35/64" (217mm)	5 43/64" (144mm)

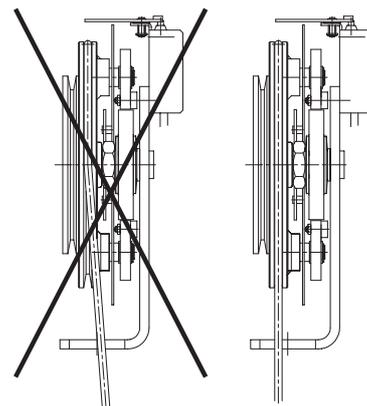
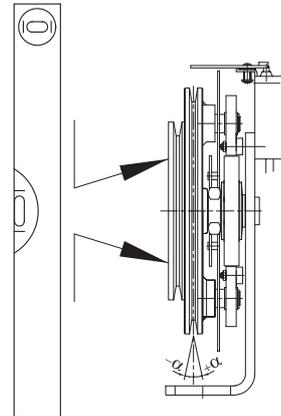
 Picture shows function direction "tripping left"
"tripping right" is the mirror image.
Same cover for both tripping directions..

d diameter of the rope
DB Nominal diameter of the drive groove for the governor rope
DC Outside diameter of the pulley
DT Nominal diameter of the test groove

3.6 Fixing method OL35

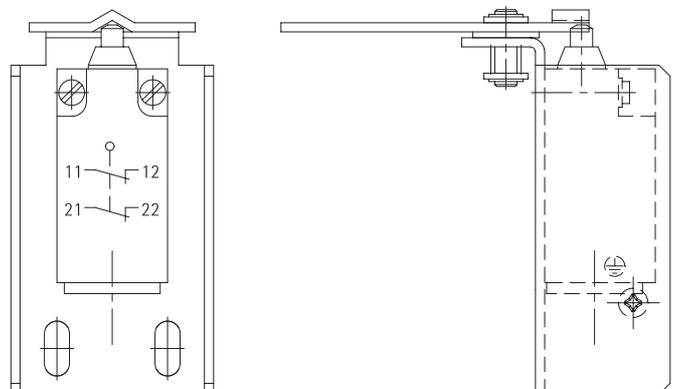
Installation tolerances:

- The overspeed governor must be installed vertically.
- The overspeed governor must be installed in a way, that the governor rope runs parallel into the pulley groove.
- The maximum recommended declination (α) of the rope is $\pm 1^\circ$



3.7 Overspeed contact

- use category: AC 15, B300, U_e/I_e 240V (1,5A)
- thermal current: $I_{the} = 5A$
- insulation voltage: $U_i = 400V$ AC
- protection type: IP 54
- approved in accordance: VDE 0470
IEC/EN 60947-5-1



4 Accessories

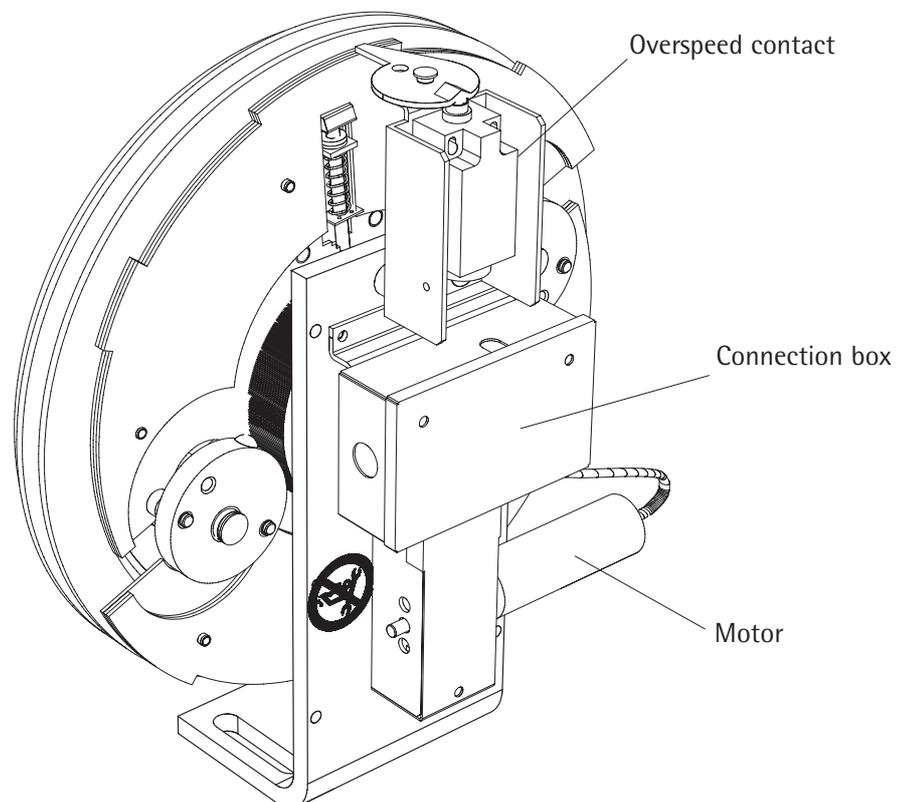
4.1 Safety cover

A overspeed governor safety cover is in the delivery content (obligatory in America).



The safety cover includes also a rope guard which prevents that the rope can fall off the pulley ..

4.2 Remote Control



The general purposes of the product are:

- Testing of overspeed governor
- Check of safety gear
- Stopping of elevator below tripping speed by operating the overspeed governor and the safety gear.

For cars and counterweights:

- function direction: turning right, or turning left

The remote control is fixed and adjusted at manufacturer.

4.2.1 Range of use

4.2.1.1 Approval

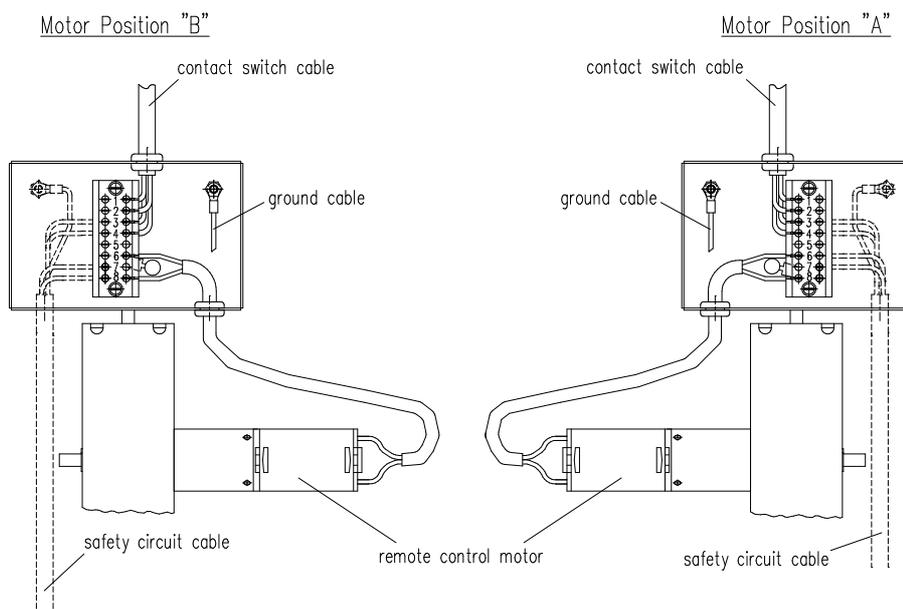
Expert opinion from Austrian TÜV which declares that remote control doesn't impair the normal functioning of the overspeed governor.

The motor is CSA approved.

4.2.1.2 Operating data

Powersupply of motor	
Voltage	24VDC + 10/-15%
Current	0.9 - 1.5A
switch-on time	min.: 2 sec. max.: 30 sec.

4.2.1.3 Connection plan of connection box (safety circuit + motor)





Delivery content:

The overspeed governor is delivered with pre-wired connection box, if used with remote control.

Connection from control panel to remote control:

Motor Position B	Motor Position A	<i>remote control motor</i>	
Pin	Pin	Fang / trips	Rücksetzen / resets
7	6	+24 VDC	GND
8	7	GND	+24 VDC

Motor protection

The motor protection (PTC) is included in the connection box of the remote control

- response time for the motor protection: typical: 5 sec, max. 30 sec
- recovery time for the motor protection: min. 120 sec

Function

- to trip the overspeed governor when the car is running downwards with nominal or service speed
- to reset the overspeed governor safety switch after tripping

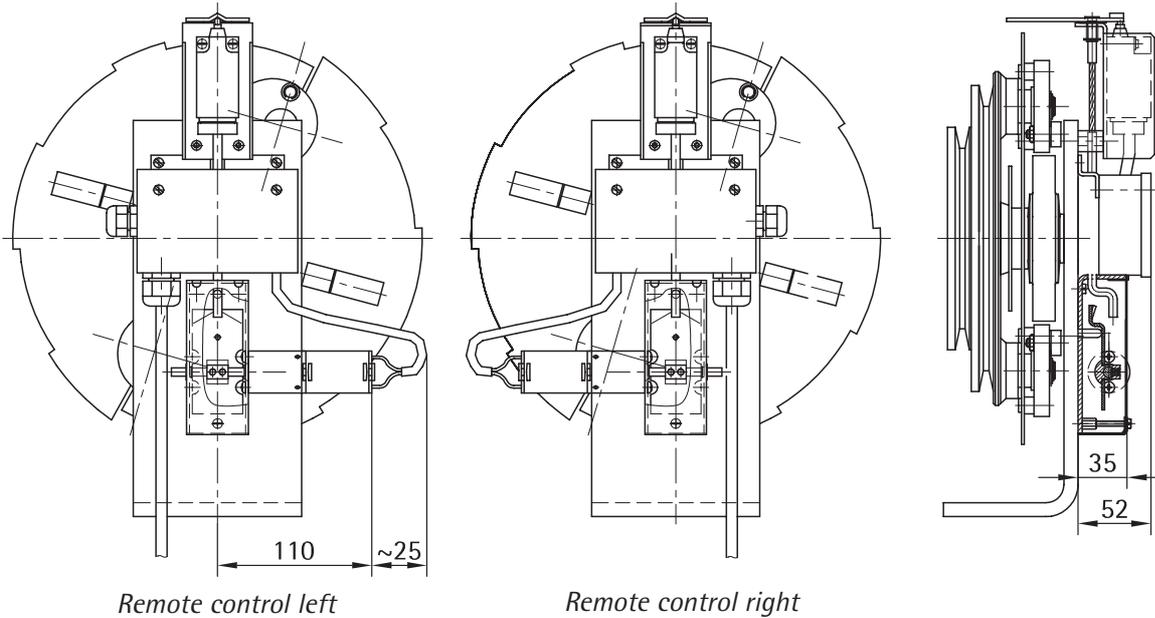
Operation

Current operates the electric-motor and makes the overspeed governor trip.
Without current the motor is in "waiting position" due to a spring force.

Connection from control panel to remote control

The control panes should be able to operate the motor in both directions for the specified time.

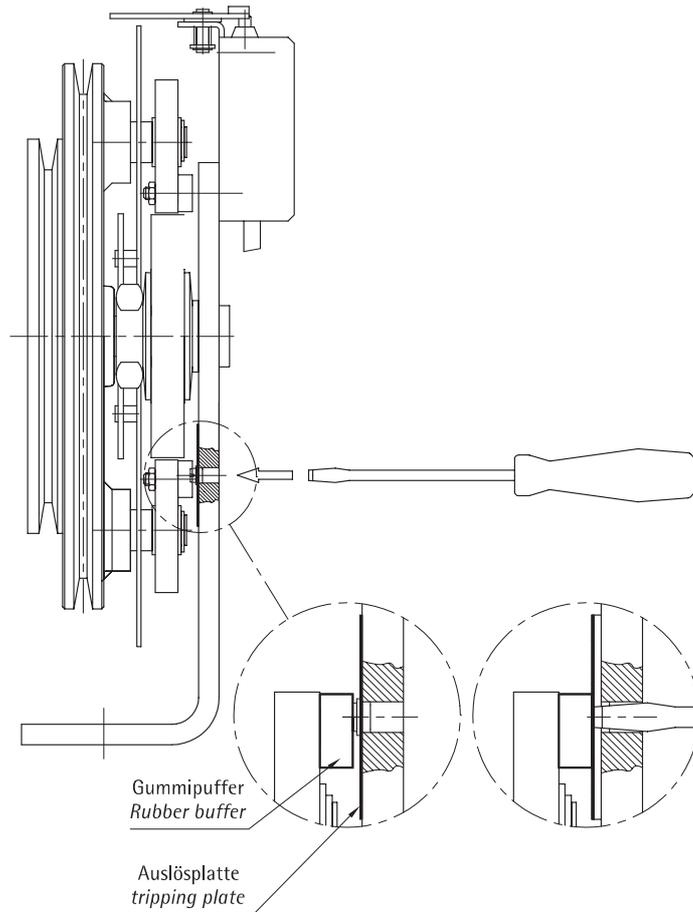
4.2.1.4 Dimensions



4.2.1.5 contents of delivery

- Motor and mechanical linkages
- Connection box
- Safety cover

4.3 Manual test tripping device



The general purposes of the product are:

- Testing of overspeed governor
- Check of safety gear
- Stopping of elevator below tripping speed by operating the overspeed governor and the safety gear.

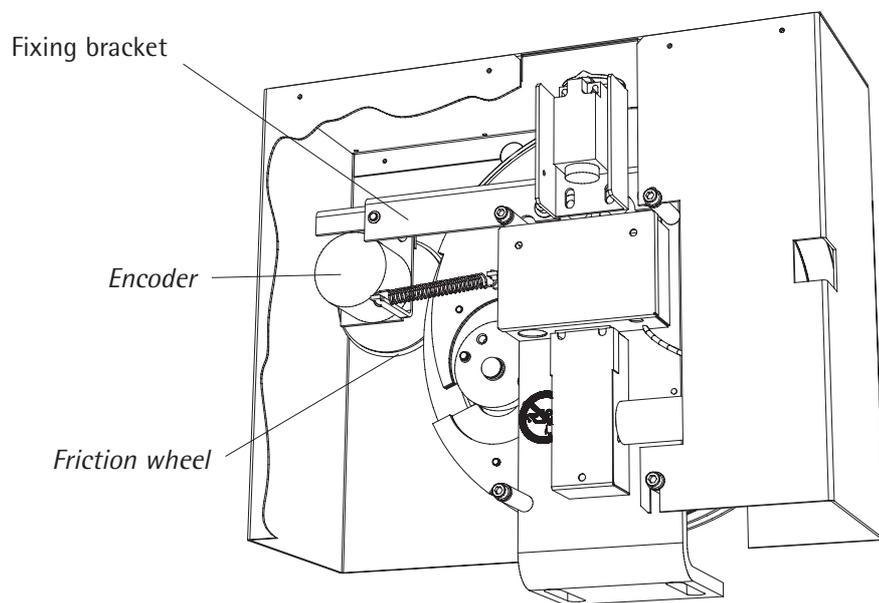
For cars and counterweights

4.4 Encoder

4.4.1 Side-mounted friction-type encoder 602258G01 (only available for 12" rope pulley)

The friction wheel actuated encoder is used for measuring the accurate car position.

 The signal may be used **only as reference** to another available source.



specification

type	power supply	axle forces (appl.)	accuracy
Kuebler A3192	10 .. 30 VDC	axial: 50 N radial: 100 N	0.8377 (250 pulses/rev.)

wiring assignment

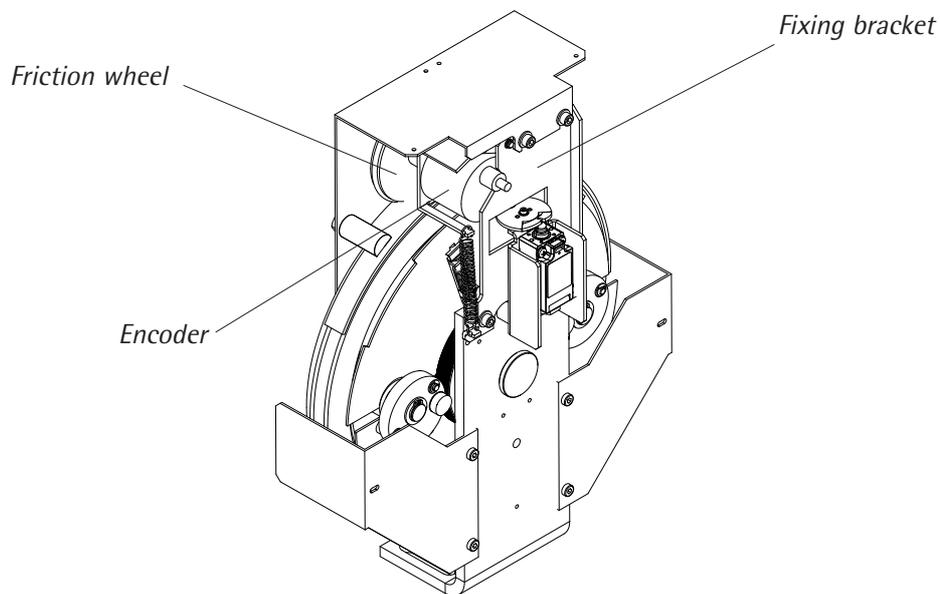
The encoder is delivered with 13m cable (without plug).

red	yellow /red	white	white /brown	green	green /brown	yellow	yellow /brown	black	yellow /black
10...30 VDC	Sense Vcc	channel A	channel inverse A	channel B	channel inverse B	channel N	channel inverse N	GND	Alarm

4.4.2 top-mounted friction-type encoder 602258G07 (only available for 12" rope pulley)

The friction wheel actuated encoder is used for measuring the accurate car position.

 The signal may be used **only as reference** to another available source.



spezification

type	power supply	axle forces (appl.)	accuracy
Kuebler A3192	10 .. 30 VDC	axial: 50 N radial: 100 N	0.8377 (250 pulses/rev.)

wiring assignment

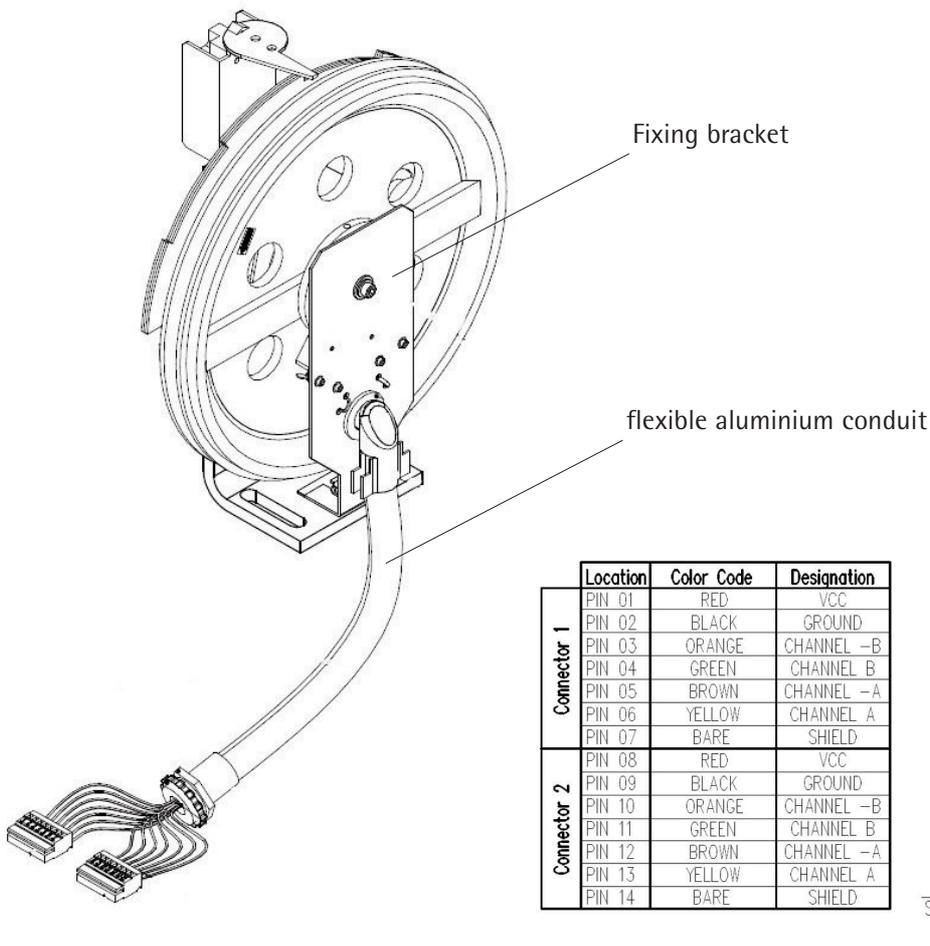
red	yellow /red	white	white /brown	green	green /brown	yellow	yellow /brown	black	yellow /black
10...30 VDC	Sense Vcc	channel A	channel inverse A	channel B	channel inverse B	channel N	channel inverse N	GND	Alarm

The encoder is delivered with 13m cable (without plug).

4.4.3 magnet-ring encoder 900897G01 (only available for 12" rope pulley)

The impulses of a magnet ring, which is fixed on the rope pulley, are measured.

 The signal may be used only as reference to another available source.



spezification

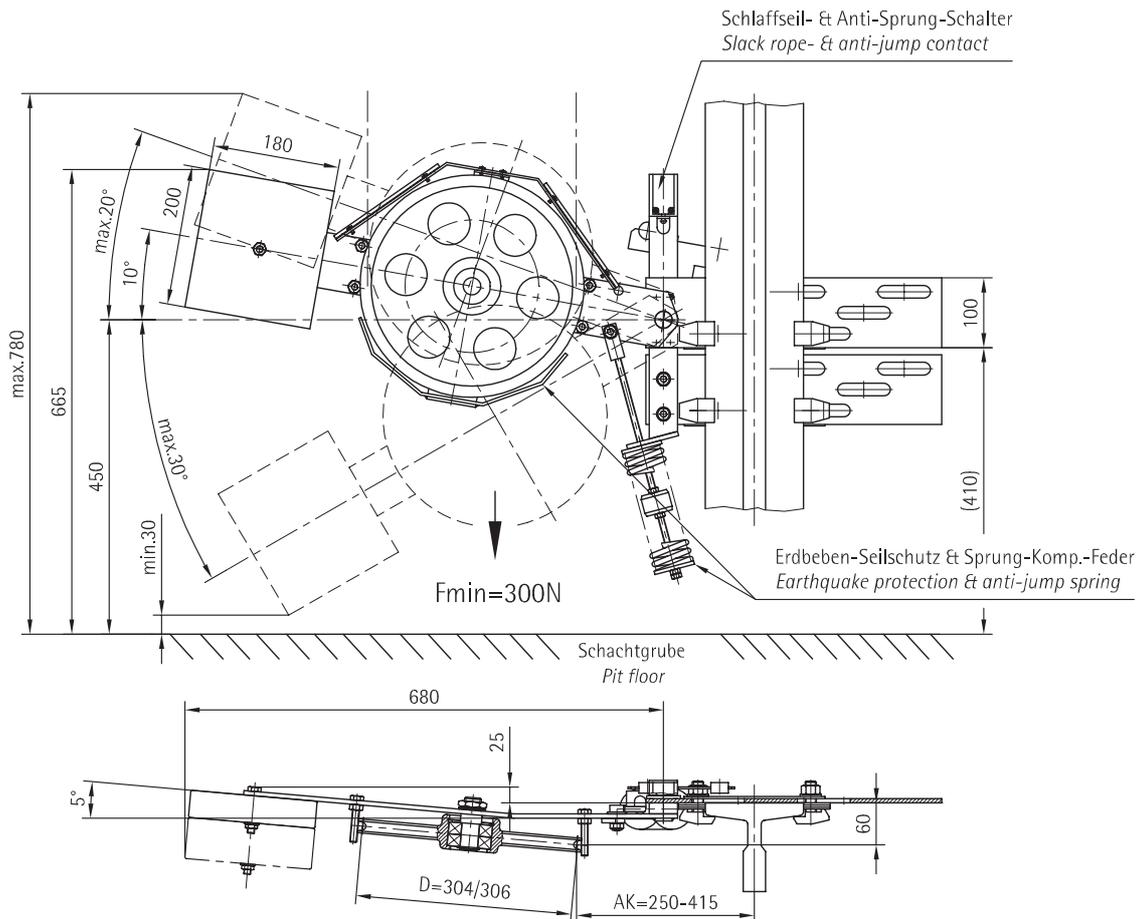
type	power supply	output	accuracy
Phoenix P9500	7,5 .. 13 VDC	20mA / 5VDC	800 pulses/rev.

The encoder is delivered with 5ft cable (with plug).

4.5 Swingarm tension weights

 Other tension weights than shown are available on request.

4.5.1 Swingarm tension weight 600456 (for 12" rope pulleys)



left version as drawn

right version is the mirror image

AK Distance rope centre - guide rail
d Rope diameter
D Nominal diameter rope pulley

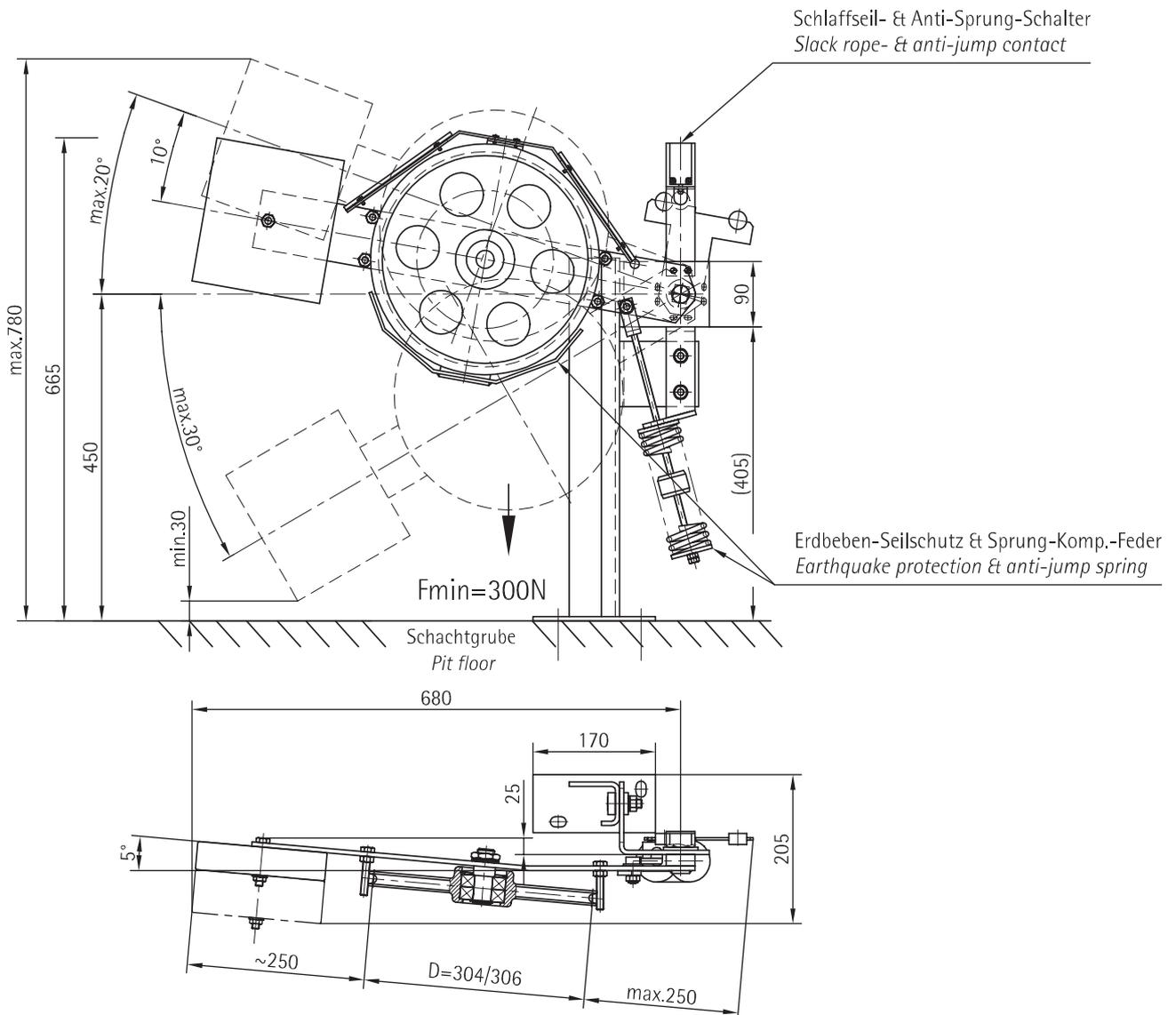
Range of use

- These tension weights are used with overspeed governor OL35-NA (it works in principle with other components as well, when they are according to the requirements of this document).
- max. elevator speed 500ft/min (2.5m/s)
- max. travel height 246' (75m)
- rope diameter $d = 8/9.5(3/8)/10\text{mm}$
- applicable guide rails 5.75lb/ft (T82), 8lb/ft (T89), 11lb/ft (T114), T125, 12lb/ft (T127-1), 15lb/ft (T127-2), 18.5lb/ft (T140-1), 22.5lb/ft (T140-2), 30lb/ft (T140-3) or appropriate
- Rope fixings on car frame or counterweight in accordance to dimension AK (optional 250mm - 415mm)
- Rope pulley diameter $D = 12'' (304/306\text{mm})$
- Tension force 300N

Contents of delivery

- Put together and adjusted at the factory
- Fixing equipment is included in standard delivery contents
- Slack rope contact (manual reset type) respectively the anti-jump contact is standard delivery content
- Earthquake protection (rope guard) and anti-jump spring to be ordered separately

4.5.2 Swingarm tension weight 600777 G01, fixed to floor (for 12" rope pulleys)



right version as drawn

left version is the mirror image

d Rope diameter
D Nominal diameter rope pulley

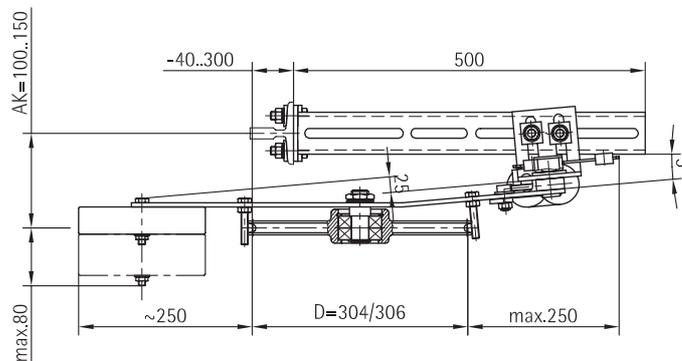
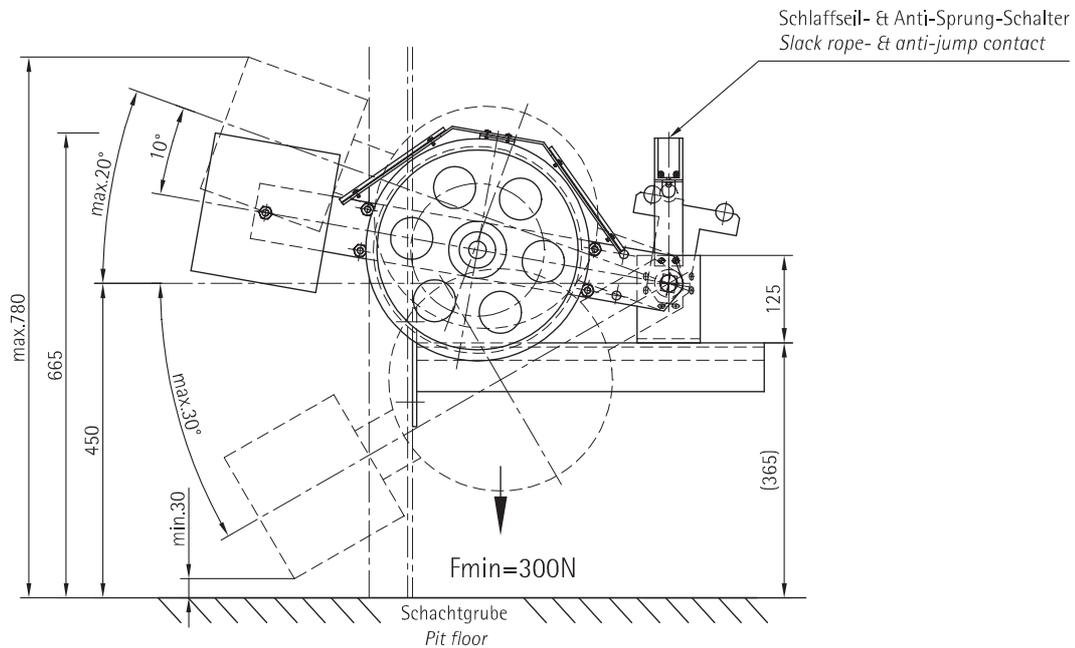
Range of use

- These tension weights are used with overspeed governor OL35-NA (it works in principle with other components as well, when they are according to the requirements of this document).
- max. elevator speed 500fpm (2,5m/s)
- max. travel height 246' (75m)
- rope diameter $d = 8/9.5(3/8\text{'})/10\text{mm}$
- Rope pulley diameter $D = 12\text{'}$ (304/306mm)
- Tension force: $F = 300\text{N}$

Contents of delivery

- Put together and adjusted at the factory
- Fixing equipment is included in standard delivery contents
- Slack rope contact (manual reset type) respectively the anti-jump spring is standard delivery content
- Earthquake protection (rope guard) and anti-jump contact to be ordered separately

4.5.3 Swingarm tension weight 600777 (G03, G05) fixed to guide rail (for 12" rope pulleys)



right version as drawn

left version is the mirror image

AK Distance rope centre - guide rail
d Rope diameter
D Nominal diameter rope pulley

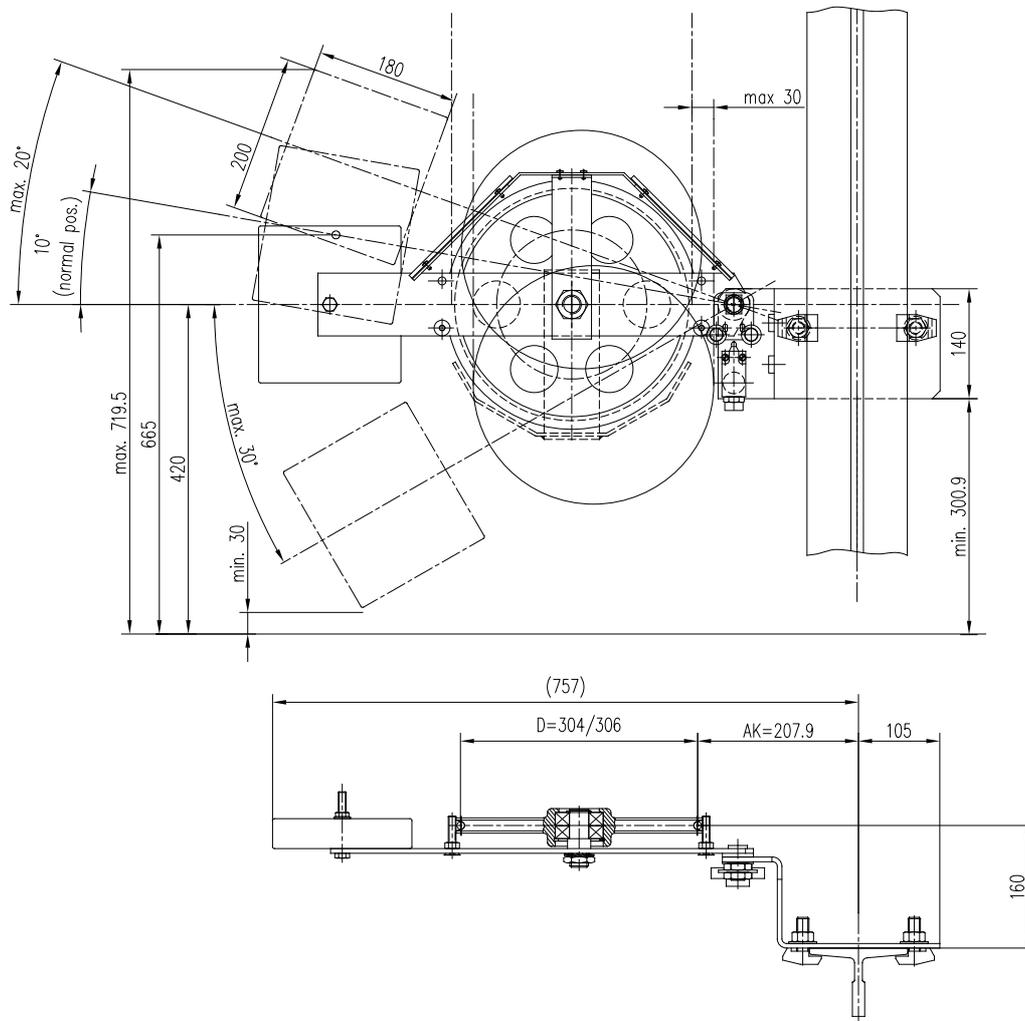
Range of use

- These tension weights are used with overspeed governor OL35-NA (it works in principle with other components as well, when they are according to the requirements of this document).
- max. elevator speed 500ft/min (2,5m/s)
- max. travel height 246' (75m)
- rope diameter $d = 8/9.5(3/8)''/10\text{mm}$
- applicable guide rails 5.75lb/ft (T82), 8lb/ft (T89), T125, 12lb/ft (T127-1), 15lb/ft (T127-2)
- Rope fixings on car frame or counterweight in accordance to dimension AK (optional 250mm - 415mm)
- Rope pulley diameter $D = 12'' (304/306\text{mm})$
- Tension force $F = 300\text{N}$

Contents of delivery

- Put together and adjusted at the factory
- Fixing equipment is included in standard delivery
- Slack rope contact (manual reset type) respectively the anti-jump spring is standard delivery content
- Earthquake protection (rope guard) and anti-jump contact to be ordered separately

4.5.4 Swingarm tension weight 604286G01 (for 12" rope pulleys)



left version as drawn

right version is the mirror image

AK Distance rope centre - guide rail
d Rope diameter
D Nominal diameter rope pulley

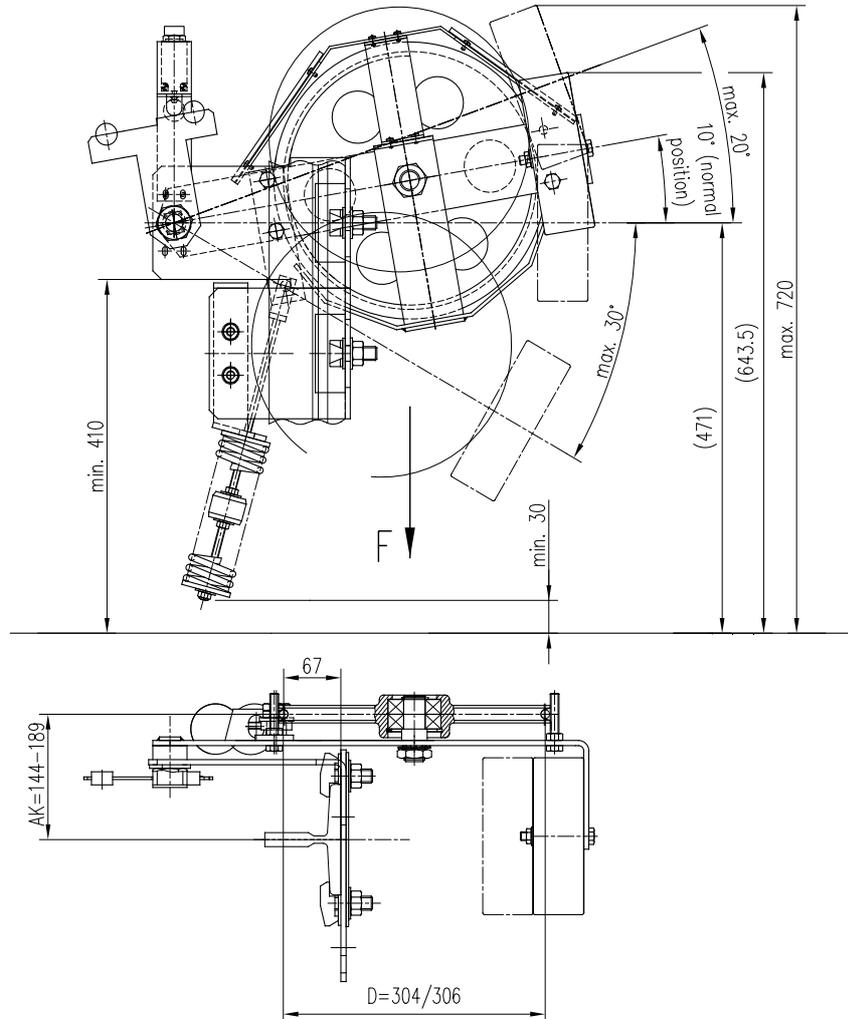
Range of use

- These tension weights are used with overspeed governor OL35-NA (it works in principle with other components as well, when they are according to the requirements of this document).
- max. elevator speed 500ft/min (2,5m/s)
- max. travel height 246' (75m)
- rope diameter $d = 6 / 9,5\text{mm}$ (3/8")
- applicable guide rails T125, 12lb/ft (T127-1)
- Rope fixings on car frame or counterweight in accordance to dimension AK (207,9mm)
- Rope pulley diameter $D = 12"$ (304/306mm)
- Tension force $F = 300\text{N}$

Contents of delivery

- Put together and adjusted at the factory
- Fixing equipment is included in standard delivery
- Earthquake (rope guard) is optionally available.
- Slack rope contact is included in the delivery

4.5.5 Swingarm tension weight 605215G01 (for 12" rope pulleys)



left version as drawn

right version is the mirror image

AK Distance rope centre - guide rail
d Rope diameter
D Nominal diameter rope pulley

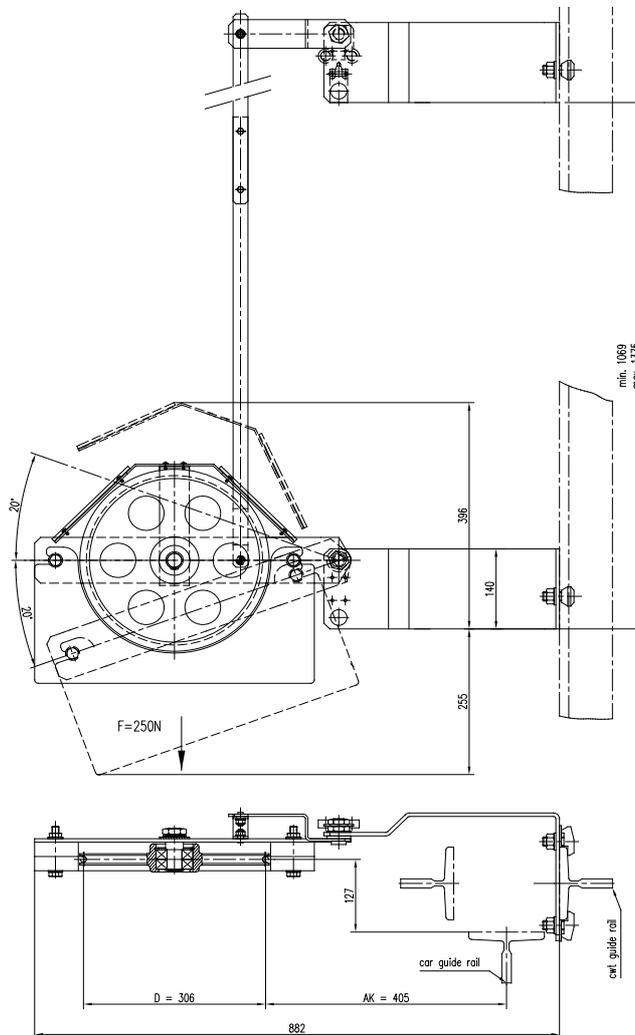
Range of use

- These tension weights are used with overspeed governor OL35-NA (it works in principle with other components as well, when they are according to the requirements of this document).
- max. elevator speed 500ft/min (2,5m/s)
- max. travel height 246' (75m)
- rope diameter $d = 8/9.5(3/8)''/10\text{mm}$
- applicable guide rails 12lb/ft (T127-1), 15lb/ft (T127-2), 18.5lb/ft (T140-1)
- Rope fixings on car frame or counterweight in accordance to dimension AK (optional 144mm - 189mm)
- Rope pulley diameter $D = 12'' (304/306\text{mm})$
- Tension force $F = 300\text{N}$

Contents of delivery

- Put together and adjusted at the factory
- Fixing equipment is included in standard delivery contents
- Slack rope contact (manual reset type) is standard delivery content
- Earthquake protection (rope guard) is available, anti-

4.5.6 Swingarm tension weight 900800G01/G02 (for 12" rope pulleys)



right version as drawn

left version is the mirror image

AK Distance rope centre - guide rail
d Rope diameter
D Nominal diameter rope pulley

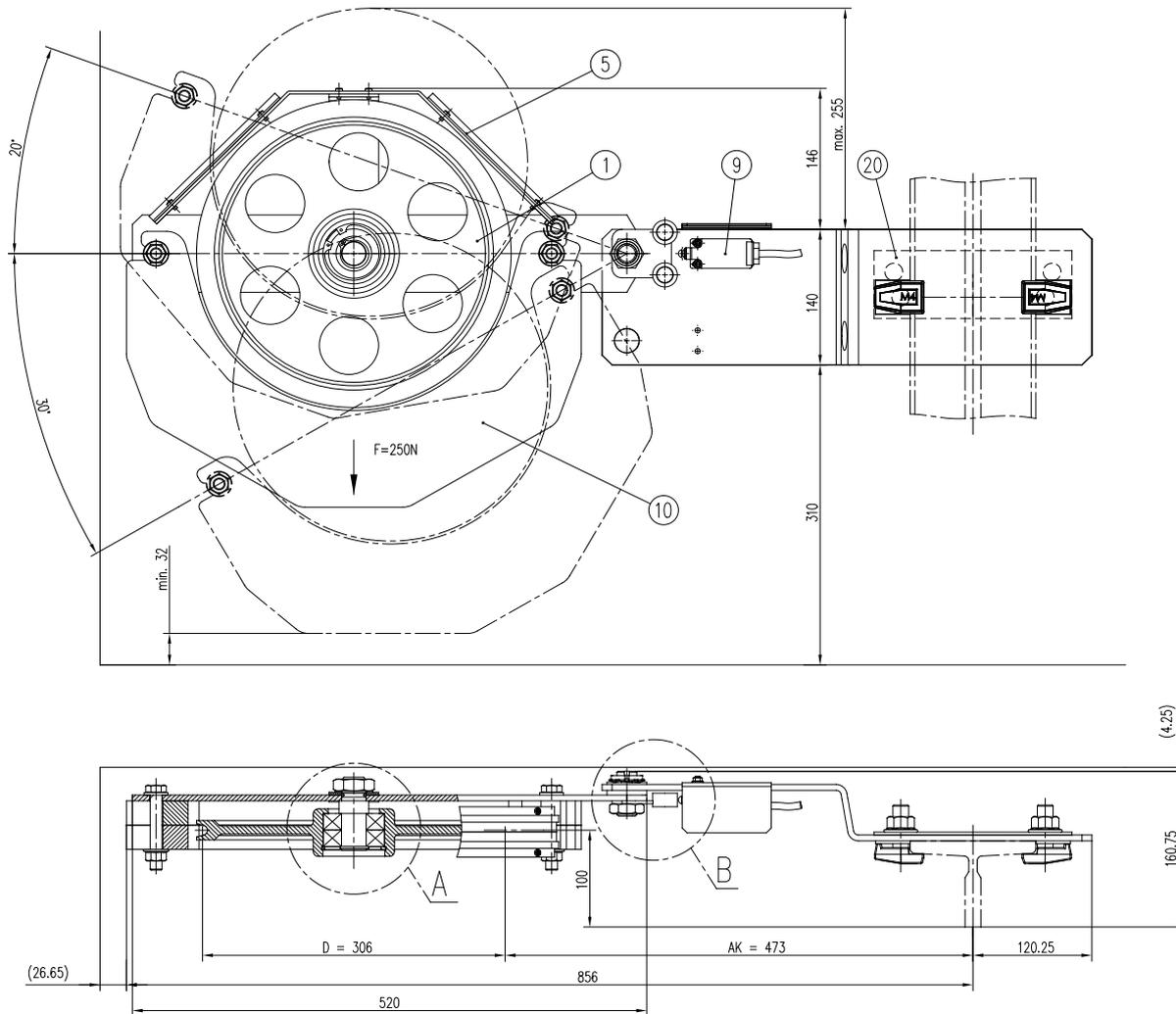
Range of use

- These tension weights are used with overspeed governor OL35-NA (it works in principle with other components as well, when they are according to the requirements of this document).
- max. elevator speed 500ft/min (2.5m/s)
- max. travel height 246' (75m)
- rope diameter $d = 8/9.5(3/8)/10\text{mm}$
- applicable guide rails 12lb/ft (T127-1), 15lb/ft (T140-1), 22.5lb/ft (T140-2)
- Rope fixings on car frame or counterweight in accordance to dimension AK (405mm)
- Rope pulley diameter $D = 12''$ (306mm)
- Tension force $F = 250\text{N}$

Contents of delivery

- Put together and adjusted at the factory
- Fixing equipment is included in standard delivery contents
- Slack rope contact (manual reset type) is standard delivery content
- Earthquake (rope guard) protection is included in the delivery, anti-jump spring is not available

4.5.7 Swingarm tension weight 934141G01 (for 12" rope pulleys)



left version as drawn

right version is the mirror image

AK Distance rope centre - guide rail
d Rope diameter
D Nominal diameter rope pulley

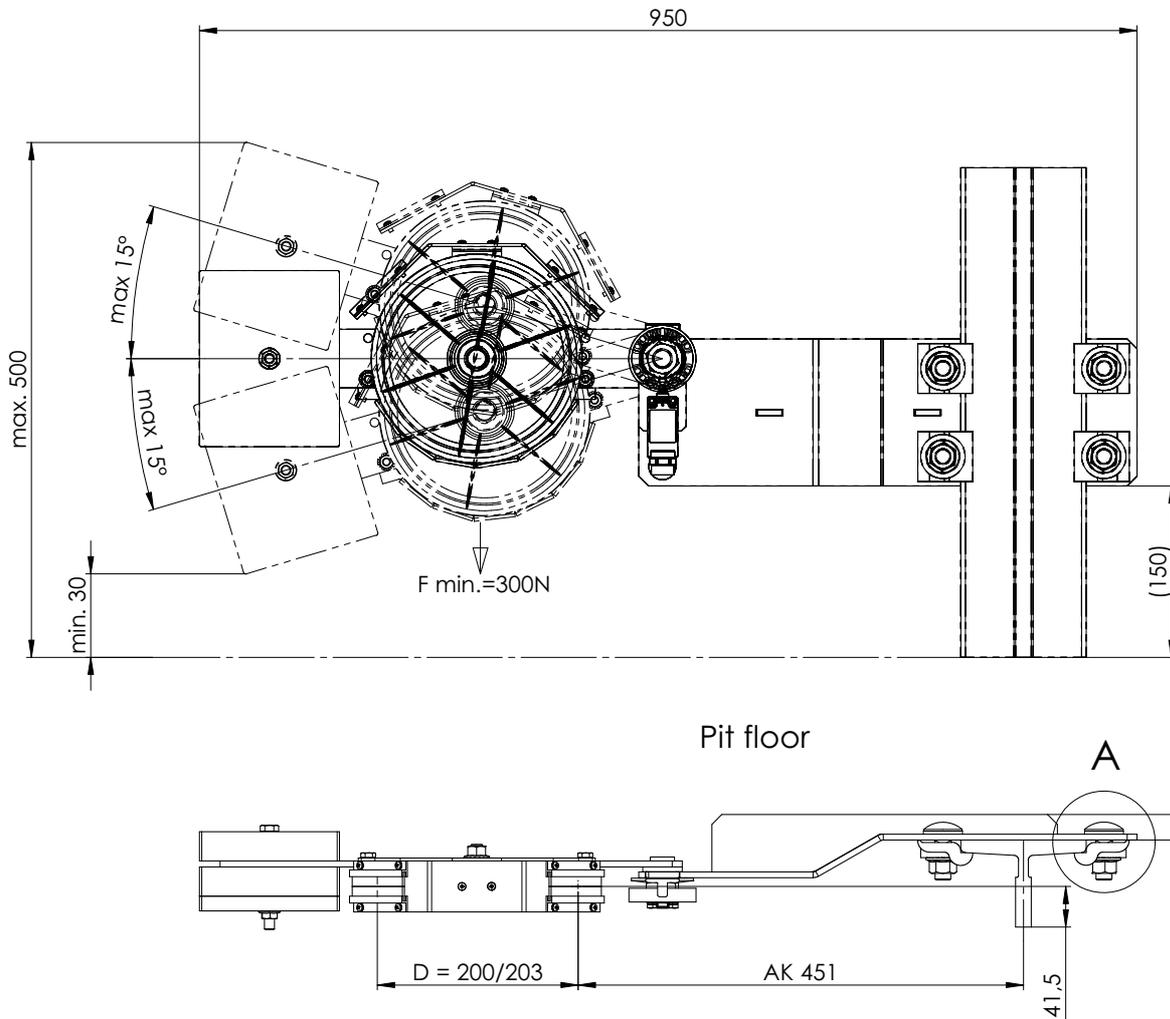
Range of use

- These tension weights are used with overspeed governor OL35-NA (it works in principle with other components as well, when they are according to the requirements of this document).
- max. elevator speed 500ft/min (2,5m/s)
- max. travel height 246' (75m)
- rope diameter $d = 8/9.5(3/8\text{'})/10\text{mm}$
- applicable guide rails 15lb/ft (T127-2)
- Rope fixings on car frame or counterweight in accordance to dimension AK (473mm)
- Rope pulley diameter $D = 12\text{'}$ (306mm)
- Tension force: $F = 250\text{N}$

Contents of delivery

- Put together and adjusted at the factory
- Fixing equipment is included in standard delivery
- Earthquake (rope guard) protection is included in the delivery, anti-jump spring is not available
- Slack rope contact (manual reset type) respectively the anti-jump contact is standard delivery content

4.5.8 Swingarm tension weight 1064818 (for 8" rope pulleys)



left version as drawn

right version is the mirror image

AK Distance rope centre - guide rail
D Nominal diameter rope pulley

Range of use

- These tension weights are used with overspeed governor OL35-NA (it works in principle with other components as well, when they are according to the requirements of this document).
- max. elevator speed 200ft/min (1m/s)
- max. travel height 98 1/2' (30m)
- rope diameter $d = 6/6,5\text{mm}$
- applicable guide rails 15lb/ft (T127-2/B)
- Rope fixings on car frame or counterweight in accordance to dimension AK (451mm)
- Rope pulley diameter $D = 8''$ (200/203mm)
- Tension force $F = 300\text{N}$

Contents of delivery

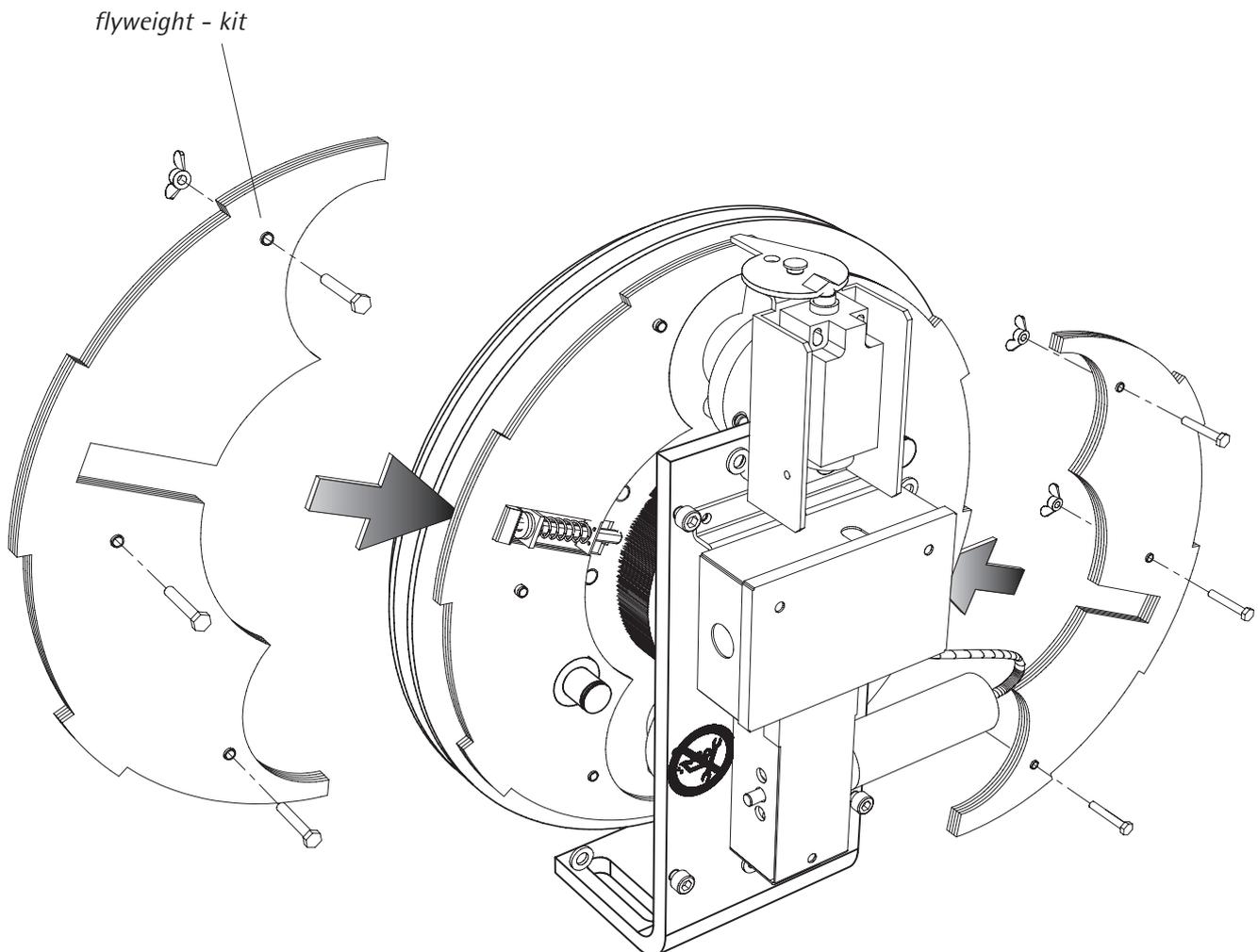
- Put together and adjusted at the factory
- Fixing equipment is included in standard delivery
- Earthquake (rope guard) protection is included in the delivery, anti-jump spring is not available
- Slack rope contact (manual reset type) respectively the anti-jump contact is standard delivery content

4.6 Flyweight - kit

The flyweight kit is used only during installation phase to reduce tripping speed of the overspeed governor.

The flyweight - kit is only available for overspeed governors up to 500ft/min and a pulley diameter of 306mm.

 For periodic checks the flyweight kit must not be used, these checks will be done with remote control or manual tripping device.

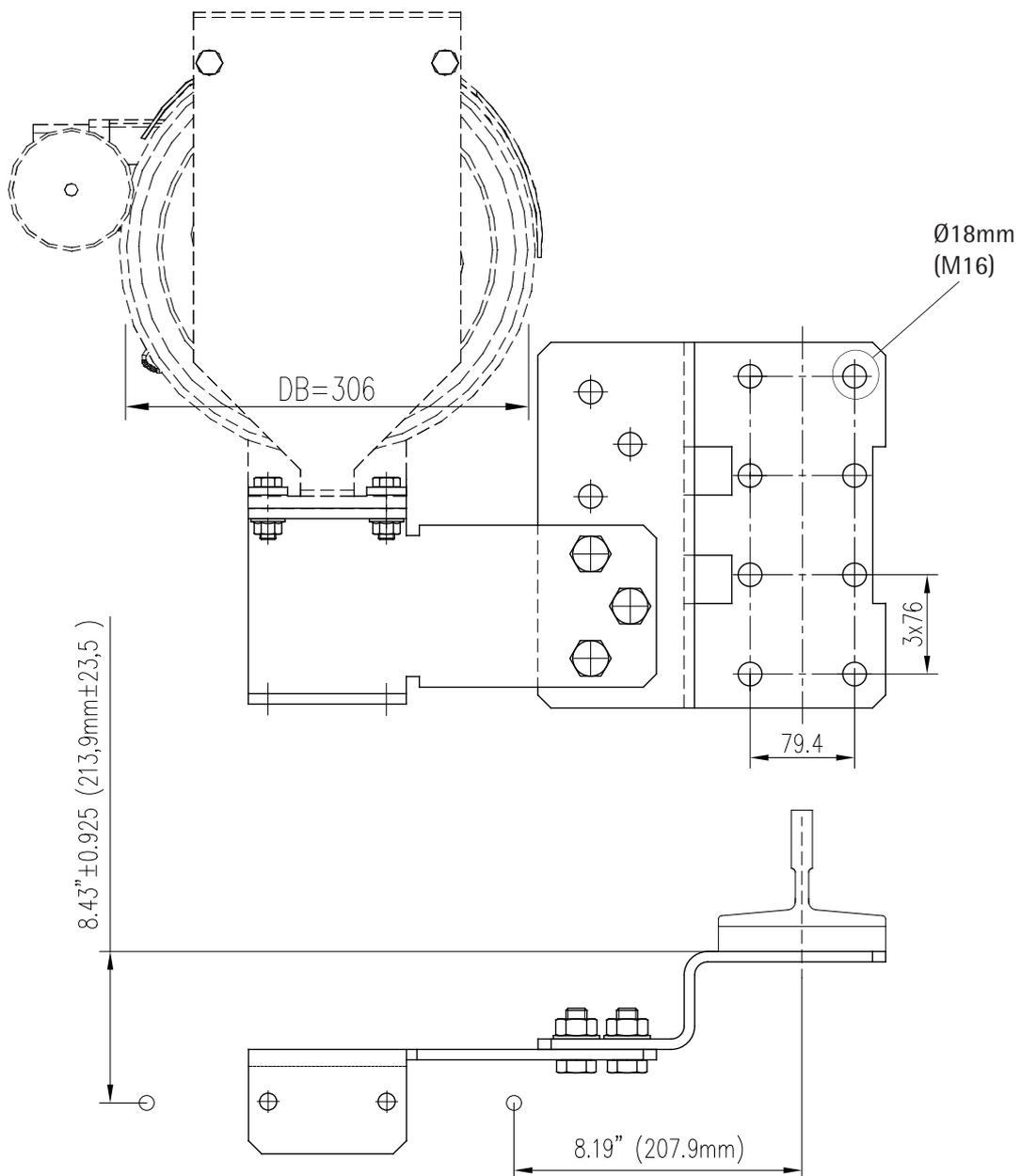


4.7 Base

All bases are available on request and customizable.
 The following pictures show the standard dimensions. If a customized base is ordered, the dimensions might vary.

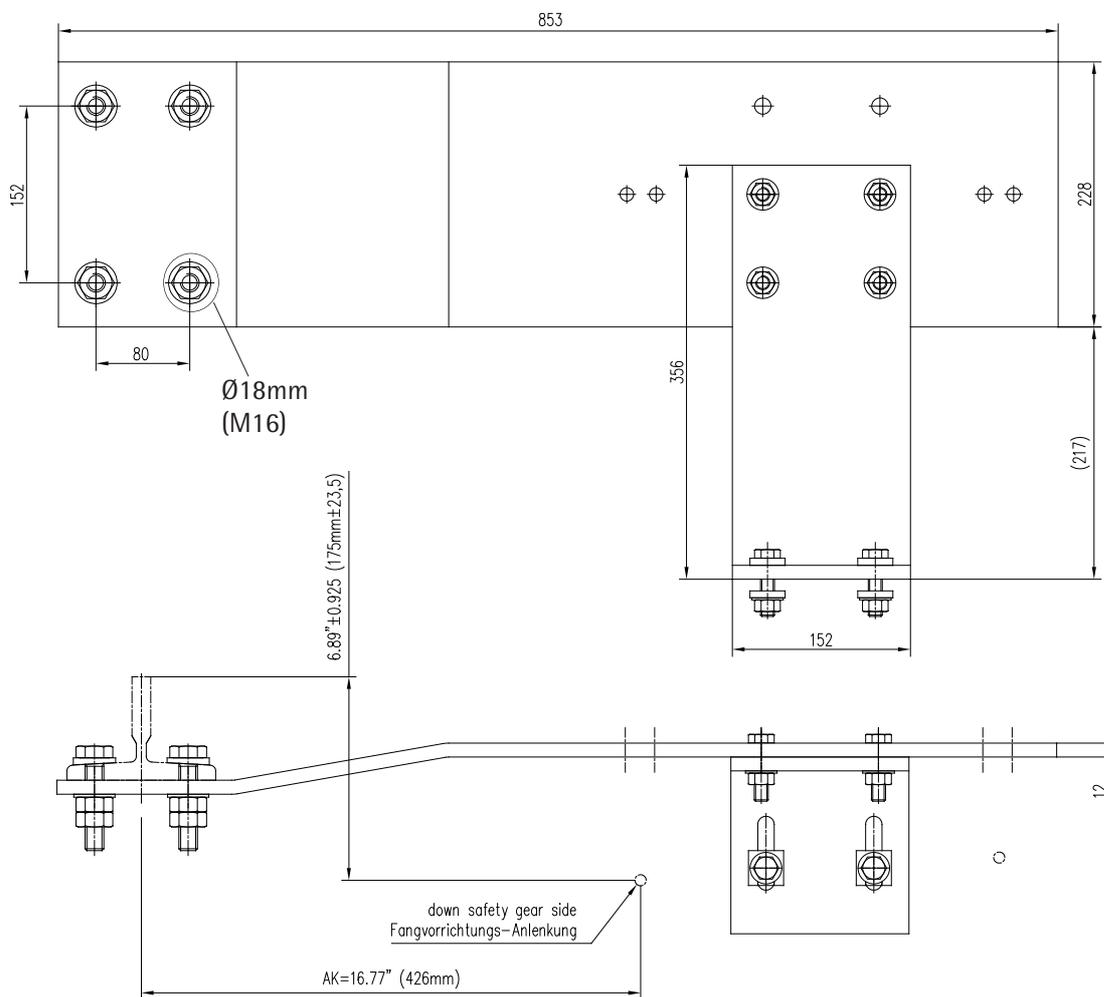
4.7.1 base type 604288G01 (for 306mm rope pulleys)

Fixing material is included in the delivery.



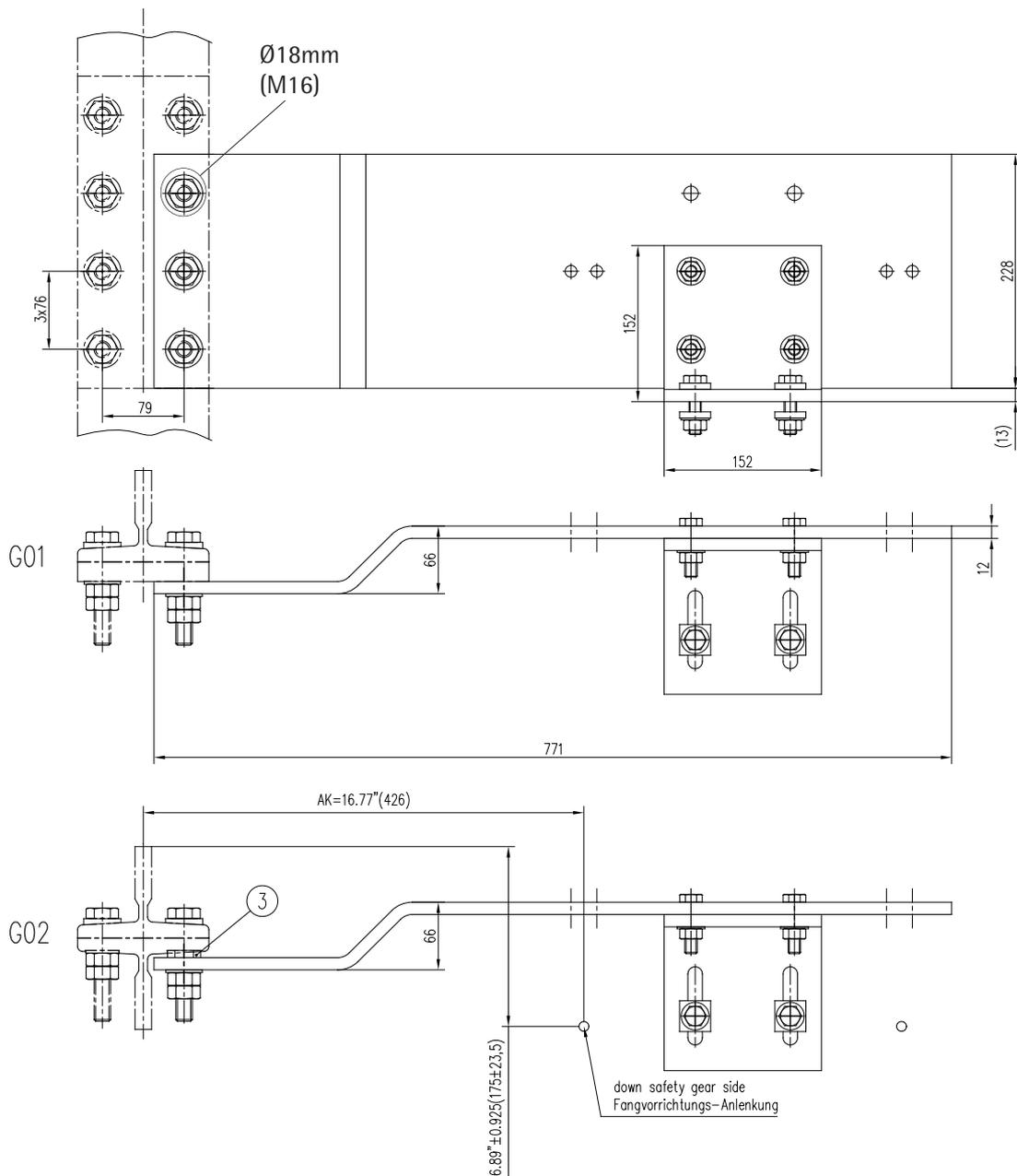
4.7.2 base type 900595G01 (for 306mm rope pulleys)

Fixing material is included in the delivery .



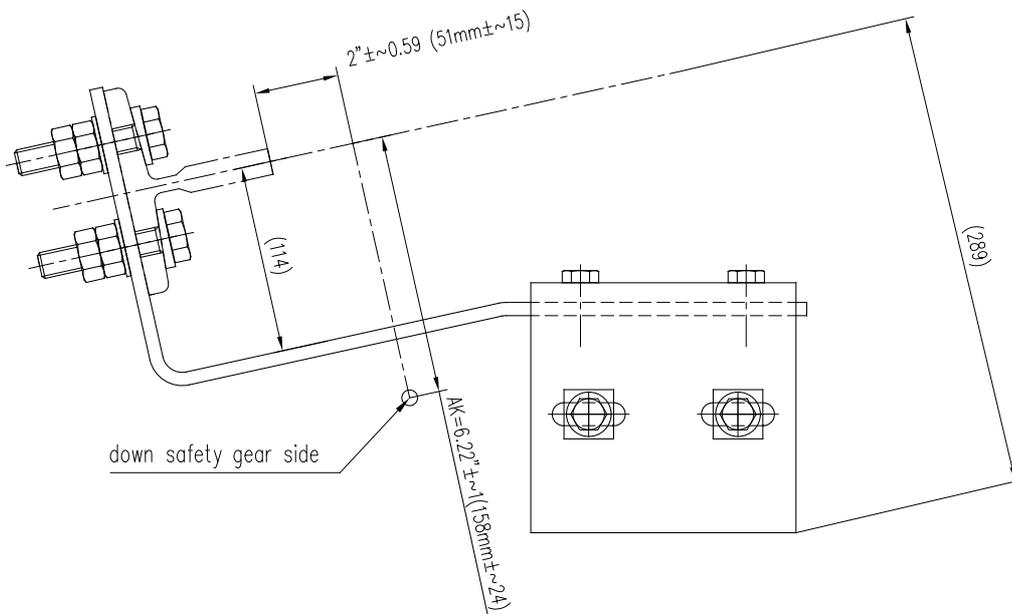
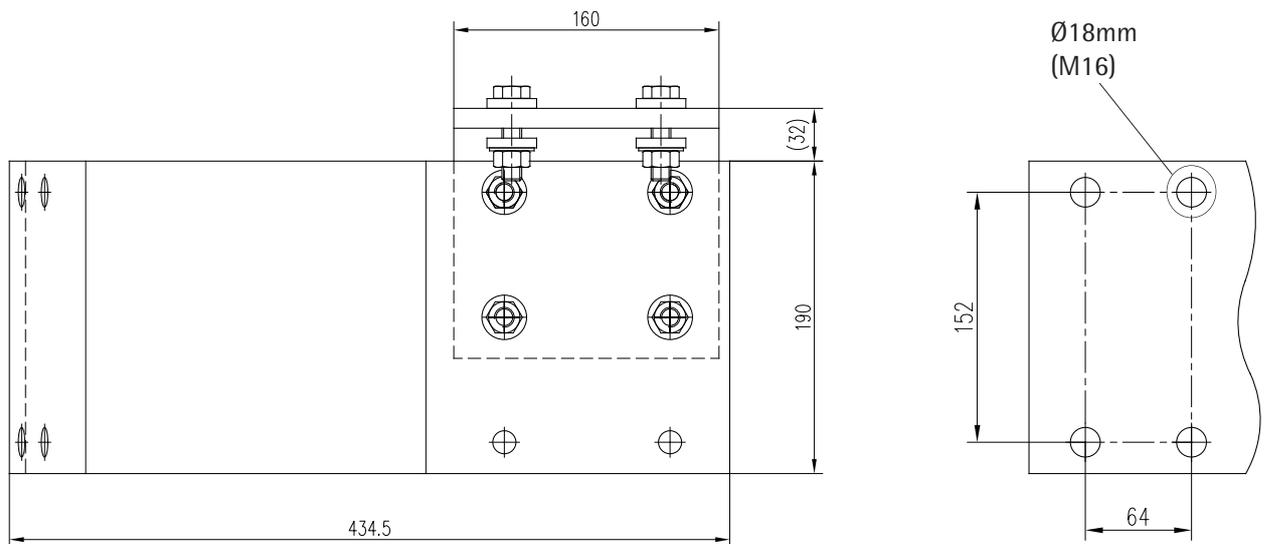
4.7.3 base type 900596G01/G02 (for 306mm rope pulleys)

Fixing material is included in the delivery.



4.7.4 base type 900598G01 (for 306mm rope pulleys)

Fixing material is included in the delivery .





OL35-NA
NORTH AMERICA
OVERSPEED GOVERNOR

Blatt/sheet D700CDEGB.36
Datum/date 15.10.2002
Stand/version E-01.03.2021
Geprüft/approved WAT/KKr

5 Content of supply

- Overspeed governor OL35-NA, preadjusted in the factory for the defined nominal speed
(Tripping direction: Tripping right or tripping left)
- Cover with rope guard (also applicable in seismic zones)

5.1 Options

- Remote Control
Is used to test the overspeed governor, inspect the safety gears, stop the elevator under tripping speed.
- Encoder

5.2 Additional equipment

- Swingarm tension weight
- Flyweight - kit
- Base

5.3 On request

- Other tension weights than mentioned
- Governor base according customer layout (for machine room- and machine room less applications)



OL35-NA
 NORTH AMERICA
 OVERSPEED GOVERNOR

Blatt/sheet D700CEGB.37
 Datum/date 15.10.2002
 Stand/version E-01.03.2021
 Geprüft/approved WAT/KKr

<input type="radio"/> Inquiry	<input type="radio"/> Order
Company	
Address	
Fax/Email	
Tel.	
Contact	

Date
Customer reference
Order number
Final customer
Country
Delivery time requested

Product code OL 35-NA			
Quantity (single piece)	_____ pcs		
Rope pulley diameter	<input type="checkbox"/> 12" (306mm)	<input type="checkbox"/> for car	<input type="checkbox"/> for counterweight
	<input type="checkbox"/> 8" (200/203mm)	<input type="checkbox"/> for car	
Rope diameter	12"mm pulley:	<input type="checkbox"/> 0.374" (9.5mm)	<input type="checkbox"/> 0.236" (6mm)
	8"mm pulley:	<input type="checkbox"/> 0.256" (6.5mm)	<input type="checkbox"/> 0.236" (6mm)
Nominal Speed	NS _____ ft/min _____ (m/s)		
Tripping direction	<input type="checkbox"/> right	<input type="checkbox"/> left	
Technical survey	<input type="checkbox"/> ASME A17.1 / CSA B44		
Test Report	<input type="checkbox"/> Yes		
Remote Control (obligatory for rope pulley diameter 8")	<input type="checkbox"/>		
Position of remote control	<input type="checkbox"/> A		<input type="checkbox"/> B
Encoder (only available for 12" rope pulley)			
Friction-type encoder	<input type="checkbox"/>	Position of the encoder	<input type="checkbox"/> side <input type="checkbox"/> top
Magnet ring encoder	<input type="checkbox"/>		
Cover (obligatory, includes rope guard)			
No encoder:	12" rope pulley:	machine room	machine room less
	8" rope pulley:	<input type="checkbox"/> 601958G01	<input type="checkbox"/> 604289G01/G02
Side-mounted friction encoder (only 12" rope pulley):		<input type="checkbox"/> 1063789A01	
Top-mounted friction encoder (only 12" rope pulley):		<input type="checkbox"/> 601958G01	<input type="checkbox"/> 604289G01/G02
Magnet ring encoder (only 12" rope pulley):		<input type="checkbox"/> 901539G01	<input type="checkbox"/> 604289G05/G06
Flyweight - Kit (only available for 12" rope pulley)	<input type="checkbox"/>		
Swingarm tension weight			
Type	<input type="checkbox"/> 600456 for rope pulley diameter 12" (306mm) and rope diameter d = 3/8" (9,5mm)		
Guide rail type	<input type="checkbox"/> 5.75lb/ft (T82)	<input type="checkbox"/> 8lb/ft (T89)	<input type="checkbox"/> 11lb/ft (T114)
	<input type="checkbox"/> T125	<input type="checkbox"/> 12lb/ft (T127-1)	
	<input type="checkbox"/> 15lb/ft (T127-2)	<input type="checkbox"/> 18.5lb/ft (T140-1)	
	<input type="checkbox"/> 22.5lb/ft (T140-2)	<input type="checkbox"/> 30lb/ft (T140-3)	
	Pick up distance	AK _____ mm _____ (inch)	
Orientation	<input type="checkbox"/> left	<input type="checkbox"/> right	
Earthquake protection (rope guard) and anti-jump spring	<input type="checkbox"/>		



- 600777 for rope pulley diamter 12" (306mm) and rope diameter d = 3/8" (9,5mm)
 - Fixation fixed to floor fixed to guide rail
 - Guide rail type 5.75lb/ft (T82) 8lb/ft (T89) T125
 - 12lb/ft (T127-1) 15lb/ft (T127-2)
 - Pick up distance AK _____ inch _____ (mm)
 - Orientation left right
 - Earthquake protection (rope guard) and anti-jump spring
- 604286G01 for rope pulley diamter 12" (306mm) and rope diameter d = 3/8" (9,5mm) or 0.236" (6mm)
 - Rope diameter 3/8" 0.236"
 - Guide rail type T125 12lb/ft (T127-1)
 - Pick up distance AK = 8.15" (207,9mm)
 - Orientation left right
 - Earthquake protection (rope guard)
- 605215G01 for rope pulley diamter 12" (306mm) and rope diameter d = 3/8" (9,5mm)
 - Guide rail type 12lb/ft (T127-1) 15lb/ft (T127-2)
 - 18.5lb/ft (T140-1)
 - Pick up distance AK _____ (5.67" - 7.44", 144mm - 189mm)
 - Orientation left right
 - Earthquake protection (rope guard)
- 900800G01/G02 for rope pulley diamter 12" (306mm) and rope diameter d = 3/8" (9,5mm)
 - Guide rail type 12lb/ft (T127-1) 18.5lb/ft (T140-1) 22.5lb/ft (T140-2)
 - Pick up distance AK = 15.95" (405mm)
 - Orientation left right
- 934141G01 for rope pulley diamter 12" (306mm) and rope diameter d = 3/8" (9,5mm)
 - Guide rail type 15lb/ft (T127-2)
 - Pick up distance AK = 18.62" (473mm)
 - Orientation left right
- 1064818 for rope pulley diamter 8" (200/203mm) and rope diameter d = 0.236/0.256" (6/6.5mm)
 - Guide rail type 15lb/ft (T127-2B)
 - Pick up distance AK = 17.76" (451mm)
 - Orientation left right

Packing Governor

- Wooden Box
 - ISPM15
 - barkfree (BF)
 - VCI - foil (sea pack)
- Cardboard (minimum order quantity = 10)
 - wood pallet with 10 boxes
 - VCI - foil (sea pack)

Packing Tension Weight

- Wooden Box
 - ISPM15
 - barkfree (BF)
 - VCI - foil (sea pack)
- Cardboard (minimum order quantity = 5)
 - wood pallet with 5 boxes
 - VCI - foil (sea pack)

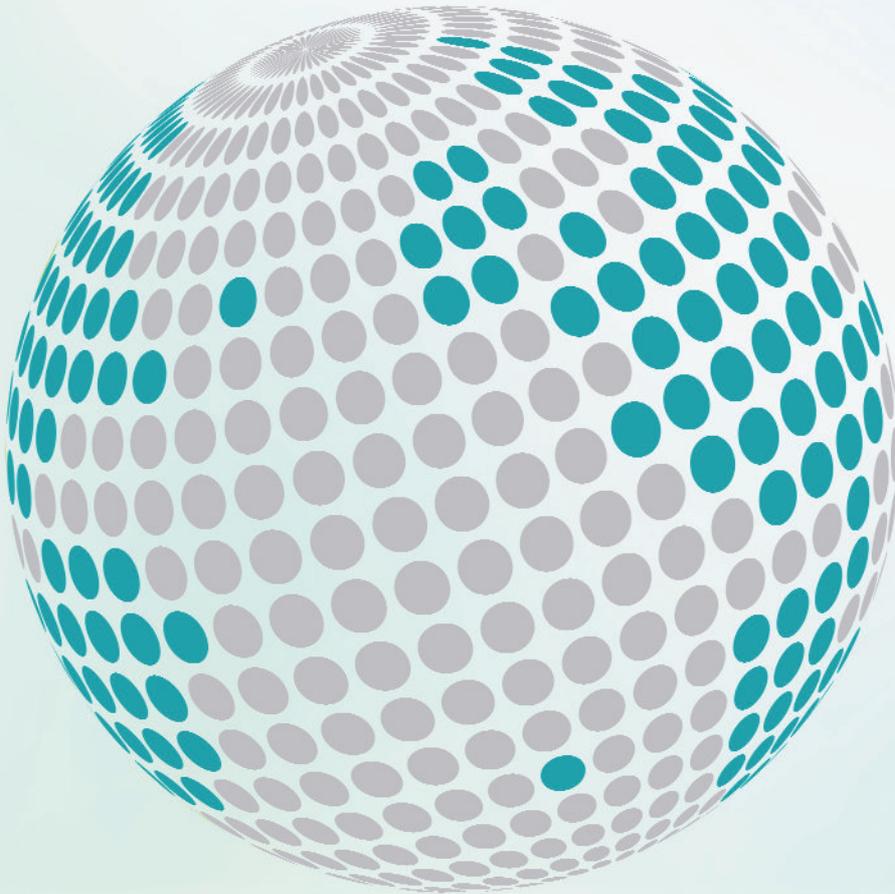
If governors and tension weights are ordered simultaneously with a quantity smaller than 10 pieces each, both is packed together in a wooden box. (one box per set)

REMARKS _____



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**YOUR GLOBAL PARTNER FOR COMPONENTS,
MODULES AND SYSTEMS IN THE ELEVATOR INDUSTRY**



*safety **in** motion*™

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