

Installation Instruction

Ex factory the safety plant is pre-positioned. A check respectively an adjustment must be conducted during the installation by skilled experts.

- a) Actuating sleeve-connection rod and free slot fork must be removed
- b) Loosen the rollers and twist them to the maximum outward position
- c) Loosen the pull-in gear bolts (M16)
- d) Press the actuating sleeves of the safety gear which carry the pull-in gear gears in upward direction - in case it not possible by hand use gently a hammer and fix in this position (1) = 5260.750.020
- e) Pull-in gear anchor arms must be pushed in up direction, in case it not possible by hand use gently a hammer to fix them (2) = 5260.750.020
- f) Jam the rollers with a clearance of 0,3 - 0,5 mm to the rail (3) = 5260.750.020
- g) Press the actuating sleeves on the bottom safety gears in up-direction - eventually use gently a hammer to fix them (4) = 5260.750.020
- h) Jam the rollers with a clearance of 0,3 - 0,5 mm to the rail (5) = 5260.750.020
- i) Move the hoist unit in up direction to assure that all parts are moving freely as shown in the plant drawing 5260.750.010 (1)
- j) Fasten actuating sleeve to the connection rod
- k) Connect free slot forke and move pull-in gear anchor arms in up direction - eventually use gently a hammer and fix them. Free slot forke -> please refer to the plant drawing 7260.750.010 (2) and adjust it as shown
- l) Observe the complete system when running in down direction. Mechanically block the overspeed governor and bring the unit to a stand still in slow speed
- m) Safety gears always produce a slack rope (chain) situation. After the first test: move in up direction in this course the safety gear must be released easily. The marks in the guide must be equal on both rails

Operation description

- a) Safety components must be, testable and interchangeable
- b) The king pins must be removable from both sides. If this is not possible due to site connection please contact M/S Schlosser under all circumstances!
- c) Keep an adequate space for comfortable respectively dismantling of all units

Actuating the safety plant:

As soon as the tripping speed is exceeded the safety plant will be activated. The overspeed governor actuates via the weight tensioned governor rope the pull-in gear. The arrangement of the overspeed governor is either on top rigid or on bottom flexible on the tension weight. The tension roller is vice versa on bottom or on top. The safety plant, the overspeed governor and the tension weight must be controlled by safety switches within the safety circuit.

In case of large contract loads you have to combine more than one set of safety gears to reach the requested conditions for the safety and to stop the gross load under all circumstances. For such particular case the actuating mechanism is vital.

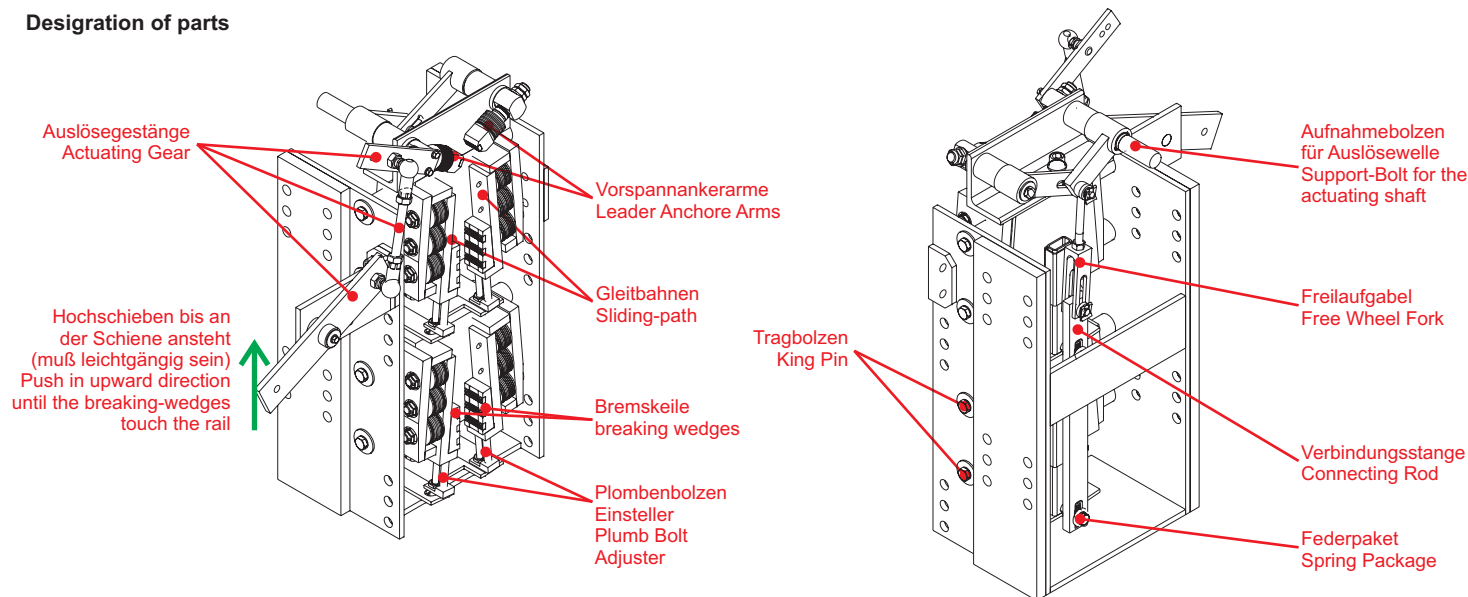
After actuating of the overspeed governor rope a pull-in gear in necessary to assure a sound and correct activation on the safety gear. The force required for such units is of course very high not only for the initial forces but also for lifting the heavy safety shoes.

Based on our experience and field tests usually a force of approximately 100 N is adequate to lift the pull-in gear. Consequently a standard overspeed governor rope with 6.0 mm diameter is satisfactory. After the anchoring of the pull-in gear onto the guide rail surfaces the lever starts to lift. The free running sleeve begins to lift the safety gears approx. 30 mm up travel. Now the safety gear shoes will start to operate. After a distance of approx. 50 mm the force load of the pull-in gear is already 5000 N or more. From this moment onwards the safety gear brake wedges will act independently and bring the load to a perfect standstill. Meanwhile the pull-in gear has fulfilled its task and passes. The complete operation of the pull-in gear will be transferred to the opposite pull-in gear by means of a push/pull cable or actuating shaft with force never exceeds 100 N.

For the return endorsement of the overspeed governor rope a resetting weight serves the purpose.

This unit is connected with the actuating lever gear to the pull-in gear.

Designation of parts



Verwendungsbereich	Freimittelbereich	Oberfläche	Material	Position	Menge
Montage			Halbozug	Werkstoff	
Funktion					
				Werkstoff-Nr.	Gewicht (kg)
				Fanganlage + Vorspann Safety Plant + Pull-In Gear	
				5260.750.000	
				Blatt	
Zust./Änderung	Datum	Name	EDV-Nr.	Teil-Nr. / Zeichnungs-Nr.	

Mounting: Push-Pull-Cable connection

The adjusting and mounting has to be done by skilled experts

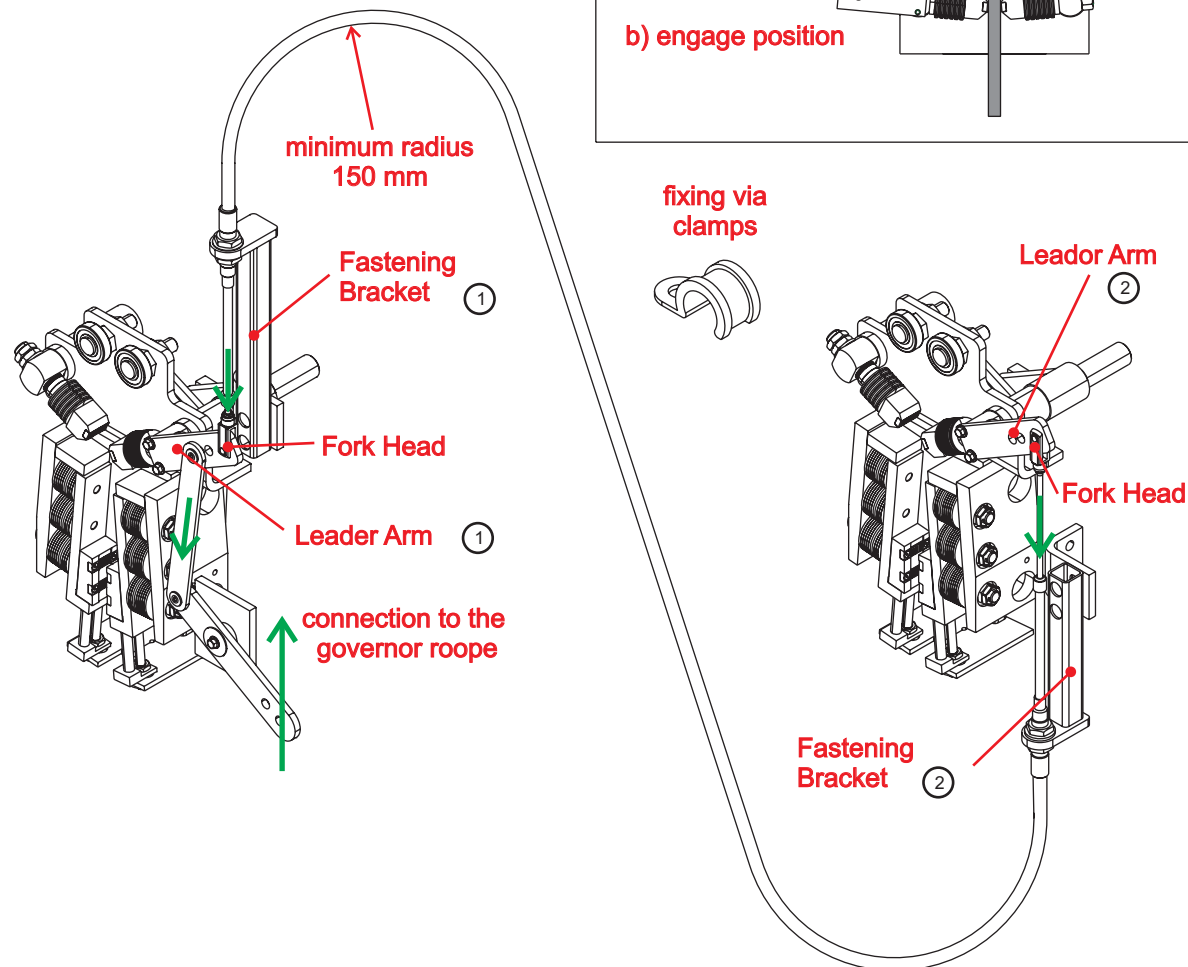
- 1) Mounting of the Push-Pull-Cable onto the fastening bracket ① on the governor side respectively the actuating side.
 - 2) Hanging of the Fork Head onto the Leader Arms. The Leader Arm is in exemption a).
 - 3) Mounting of the Push-Pull-Cable onto the Fastening Bracket ② on the opposite side
 - 4) Hanging of the Fork Head onto the Leader Arms ①. The Leader Arm is in exemption a).
 - 5) Checking whether both Leader Arms engage simultaneously. Pulling in of the Leader Arm on the governor side respectively the actuating side until the arms are touching the rail. Now, the Leader Arms on the opposite side have to clamp additionally.
- If not: re-adjustment is necessary
- 6) The adjusting has to be conducted by torsioning the Fork Head on the pusch-pull-cable.
(maybe a re-adjustment on the Free Wheel Fork / Connection Rod see drwaing nr.: 5260.750.010 respectively 5260.750.011 has to be conducted.
 - 7) Run the Push-Pull-Cable as possible with a huge radius (min. however 150 mm) and fix it with clips
 - 8) Maintenance:
Check the Push-Pull-Cable on its soft running property and whether it has any damages.

To oil and to lubricate is necessary

Functioning Instructions

The Push-Pull-Cable systeme replaces the steep connection of the safety gear in order to get a flexible connection without huge efforts.

The Push-Pull-Cable connects both leaders, which ensures the pull-in of the safety gears



Verwendungsbereich	Freimittelbereich	Oberfläche	Material	Polster	Menge
Wartung			Halbozug		
Montage			Werkstoff		
Funktion					
			Werkstoff-Nr.		Gewicht (kg)
			Druck-Zug-Kabel-Verbindung		
			Push-Pull Cable connection		
			Teil-Nr. / Zeichnungs-Nr.		Blatt
			5260.750.040		1
Zust. Änderung	Datum	Name	EV/Nr.		