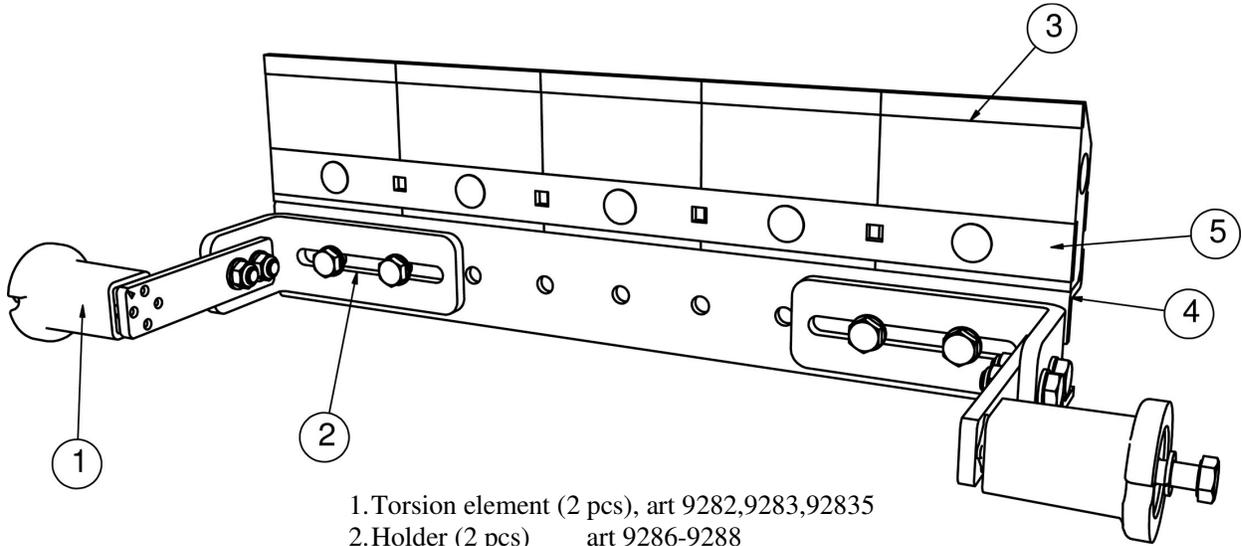


FITTING THE HAMPUS SECONDARY SCRAPER 9200



1. Torsion element (2 pcs), art 9282,9283,92835
2. Holder (2 pcs) art 9286-9288
3. Hampus segment art 9201
4. Beam art 9275
5. Flat iron bar art 9431

GENERAL INFORMATION

The Hampus 9200 is a secondary scraper with a hard-metal blade encapsulated in polyurethane. The Hampus is designed for heavy industry with stringent cleaning requirements. The scraper has a simple design with a minimum of moving parts.

IMPORTANT

In order to achieve the best scraping results, the following conditions must be met:

- The conveyor belt must be free of damage.
- The conveyor belt must be flat. If the belt has a tendency to bulge, fit a return roller (sheet-metal roller) a few decimetres from the scraper.
- The scraper must not be fitted to reversible conveyors.
- The scraper must not be fitted to chevron belts or belts with mechanical joints.
- Max. belt speed: 2.3 m/s
- Max. temperature: + 50°C in wet environments
- Max. temperature: + 85°C in dry environments (ambient temperature + frictional heat)

CAUTION

Always turn off the belt conveyor before installing or carrying out maintenance on the scraper. Make sure that the belt cannot start while this work is in progress.

FITTING

1.	The scraper is placed below the drive pulley with the hard-metal tip as shown in the drawing (page 2).
2.	With 8 mm steel plate, make two mounting plates with holes (for mounting the blue torsion elements).
3.	Weld the mounting plates to the frame.
4.	The scraper is bolted to the mounting plates using the bolts supplied.
5.	Set the blue torsion elements (1) using a pipe wrench – equally much on each side. Tighten the bolts using torque as shown in the table (page 2).

NOTE! We suggest that the torsion elements will be set according to F (see table below) which is giving a scraping pressure of approximately 5-10 N/cm² (0,05-0,1 MPa) This is equivalent to each segment (100mm wide) making a pressure of 16,5-33 N towards the band. We do recommend that the torsion elements not will be set above 20°.

B-W	L at standard beam length	øD	A	Fixing bolt	Tightening torque	F
400	482-582	58	166	M10	49 Nm	9° - 14°
500	582-682	58	166	M10	49 Nm	11° - 16°
650	682-782	58	166	M10	49 Nm	12° - 18°
800	840-940	78	208	M12	86 Nm	10° - 15°
1000	1040-1140	78	208	M12	86 Nm	13° - 18°
1200	1240-1340	78	208	M12	86 Nm	15° - 21°
1400	1440-1540	78	208	M12	86 Nm	17° - 23°
1600	1700-1800	95	260	M16	210 Nm	12° - 17°
1800	1900-2000	95	260	M16	210 Nm	14° - 18°
2000	2100-2200	95	260	M16	210 Nm	15° - 20°

MAINTENANCE

- Inspect and clean the scraper regularly– we suggest once a week.
- When 1 mm of the hard metal remains, change all the segments (3).
- Change the segments by undoing the M8 nuts. Bolt on the new segments.

Set the scraper. Set the torsion element using a pipe wrench and lock the bolt.

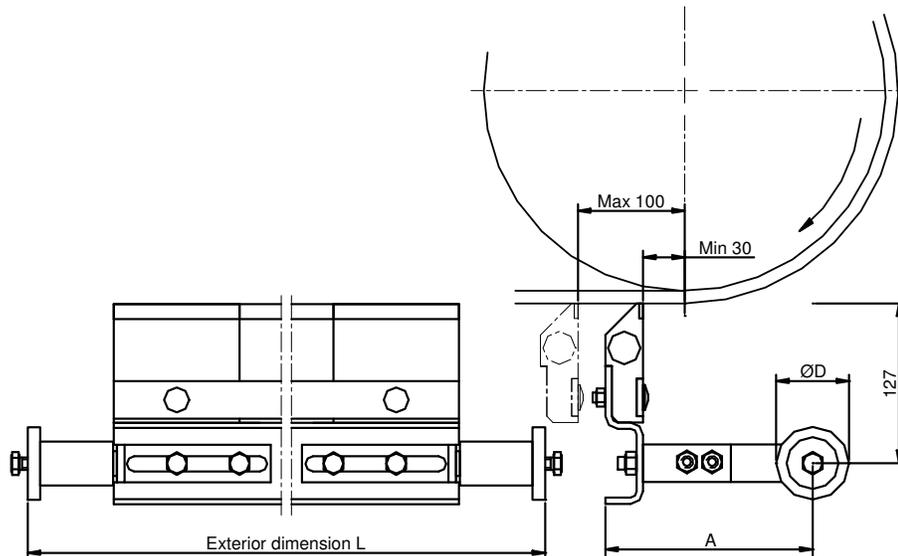
Readjust the scraper pressure so as to achieve optimal cleaning. There must be no vibrations or noise. However, vibrations may arise when the belt is run without material or when the belt has a coating of resin. In the long term, vibrations may result in cracking of the beam. These must therefore be eliminated. Try therefore:

..... changing the angle of the blade against the belt a few degrees

..... changing the pressure of the blade against the belt.

..... making a more robust attachment to the frame.

..... increasing the mass of the beam (4) by, for example, fitting a small lever arm to the beam (4).



WARRANTY

Damage to the scraper caused by incorrect handling or in connection with incorrect installation cannot be considered to be covered by warranty if these instructions have not been followed. We therefore accept no claims for any consequential damage or loss.