



Technical Manual

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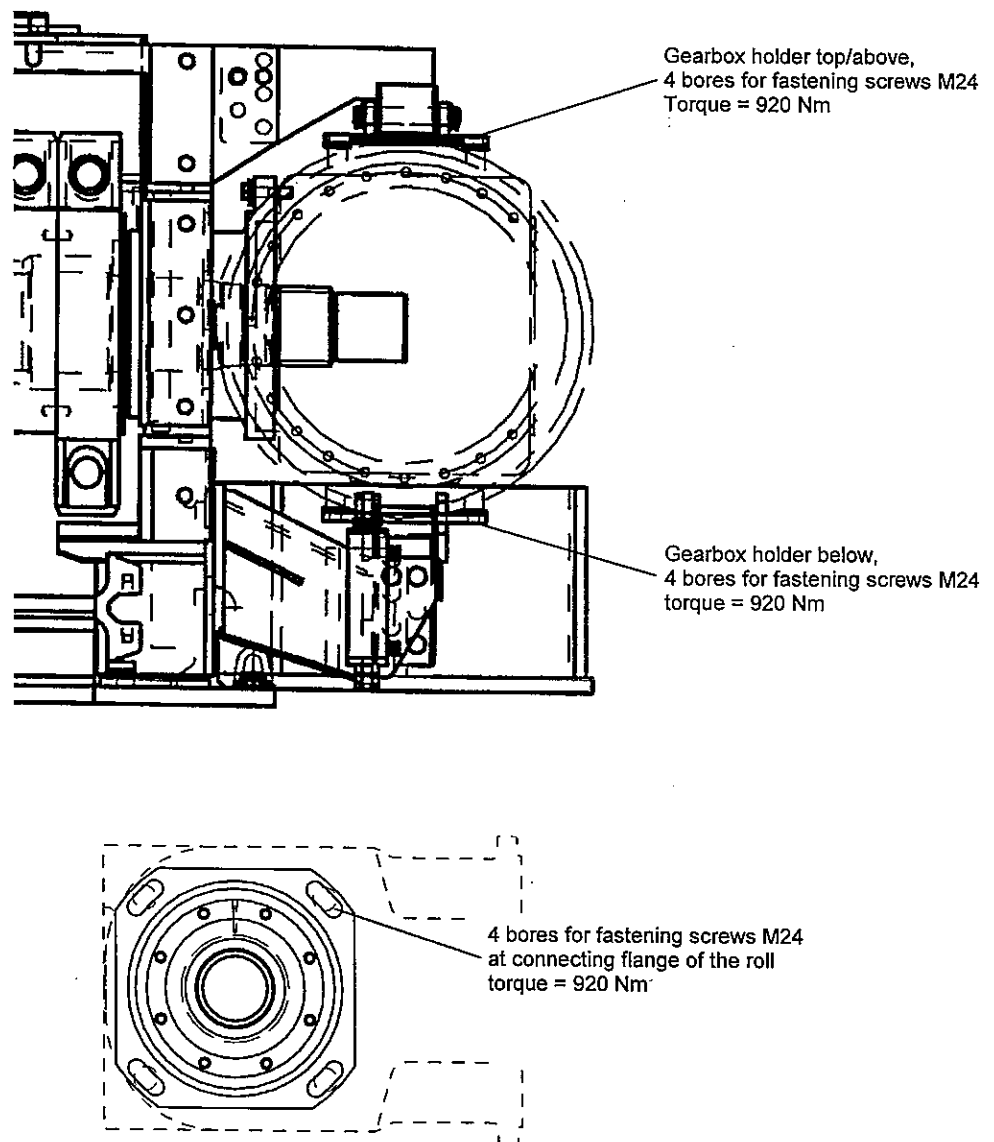


Assembly

How to assemble the drive unit

The gearbox K-8B will be installed at the crusher over two gearbox holders. Furthermore it will be connected to the drive shaft over the connecting flange at the impact roll.

Figure 7: Connecting flanges for gearbox, gearbox holders



Instructions for installation of the gearbox



Important!

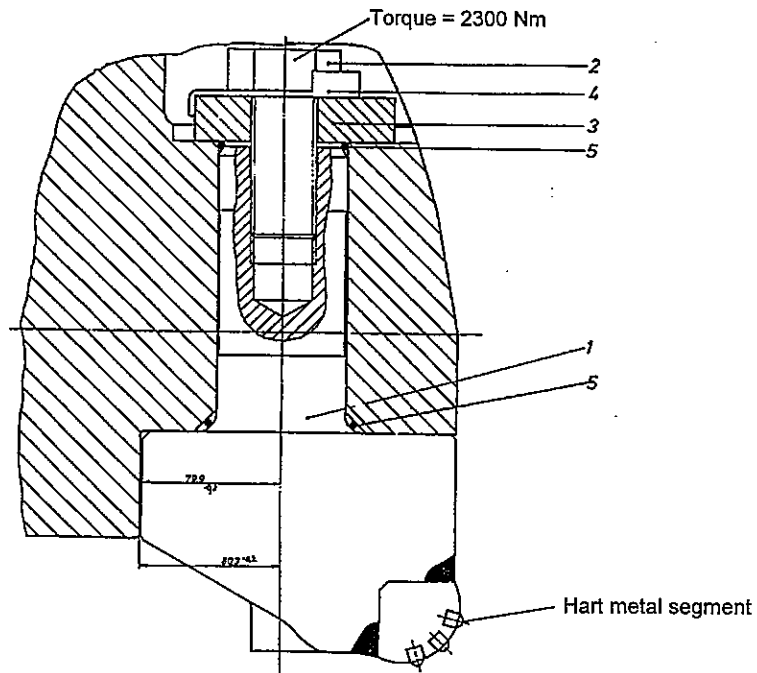
Be sure to observe the separate operating manual for the gearbox K-8B!

Impact element

The impact elements are manufactured from wear resistant material. They are equipped with hard metal segments.

The impact elements are fastened to the impact roll with a hexagonal bolt and a support plate and locking plate.

Figure 10: Impact element



1	Impact head
2	Hexagonal bolt
3	Support plate
4	Locking plate
5	O-Ring



Important!
Find further instructions for work at the elements in chapter 6 "Operation"!

Roll height adjustment

The roll height adjustment will be realized by the customer.



Danger!

The passage height may only be adjusted when the crusher plant is in standstill!

It must be secured against unauthorized restarting!

The passage height under the roll can be adjusted in 3 different positions by means of hydraulic cylinders (each time 40mm = 120mm total).

There are three hydraulic cylinders. Two of them will be fastened at the impact roll (piston rod at the bearing housing, piston base at the pan).

The third cylinder will be fastened at the gearbox holder (piston rod at the holer for the gearbox, piston base at the holder for the pan).

Pressure fluid is oil.



Important!

The impact roll is in neutral position (lowest position) when one spacing plate is located under the bearing housing and 3 spacing plates are located above the bearing housing (see figure 14)!



Notice!

The spacing plate under the bearing housing must not be removed!



Notice!

The spacing plates located under respectively above the bearing housing must have the same quantity and thickness on both sides!

The desired passage height will be achieved by uniformly raising or lowering the impact roll by means of the hydraulic cylinders attached underneath the bearing housing.

The following describes the procedure for raising the impact roll. The hydraulic cylinders can be pressured either by a hydraulic pump or by the customer sided face hydraulic. Lowering is analogous (see figure 12).

- Loosen the screw connections between crusher housing and bearing housing. The threaded rod is equipped with a hexagon (key width 30mm) on both sides. Hold against with a key that the threaded rod does not rotate with the connection while loosening.
- Remove the required spacing plates located above the bearing housing on both sides. Take care that there are two bolts (Ø20mm) on the top side of each spacing plate which come approx 10mm into the above located plate.
- Raising the impact roll is by means of the hydraulic cylinders located at the side of the crusher housing, under the bearing housing. As noted above they will be pressured by a hydraulic pump respectively the customer sided face hydraulic.



Notice!

Uneven raising of the bearing housings can lead to damages of the bearings and sealings. While raising the level difference on both sides must not be more than maximal 20mm!

HAZEMAG & EPR GmbH

section: MinPro

Spare parts list

assembly group Substructure cpl.	part/drawing-no 55277601000000	rev.	form. A2	weight [kg] 8.336,3	name FloeterU
					date 18.10.2007

pos.	qty.	description		part/drawing.-no.	rev. form.	weight [kg]
1	1	Substructure	1,0 pc.	55273601100000	A1	5.090,00
2	1	Base plate	1,0 pc.	55277601200000	A1	2.067,00
3	1	Plough right	1,0 pc.	55277601300000	A2	624,00
4	1	Plough left	1,0 pc.	55277601400000	A2	475,00
10	20	Locking cover, short	1,0 pc.	23130114600920	A4	59,00
11	20	Hexagonal bolt DIN931-M30x110-10.9	1,0 pc.	55500931030040		16,00
12	20	HEX. NUT DIN 980-V M 30-10	1,0 pc.	00000002350365		4,52
13	20	Locking plates M30; 3000 3 47048; 1 pair	1,0 pc.	00000003128374		0,78

date: 01.04.2008

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HAZEMAG & EPR GmbH

section: MinPro

Spare parts list

assembly group Nozzle reception pipe cpl.	part/drawing-no 55382161066000	rev. 00	form. A3	weight [kg] 0,0	name System
					date 16.10.2007

pos.	qty.	description	part/drawing.-no.	rev.	form.	weight [kg]
1	1	Nozzle reception pipe	55382161067000	1,0 pc.	A3	3,30
2	4	FLAT JET NOZZLE R1/4"	55395020001000	1,0 pc.		0,04
3	1	COUPLING CLAMP DN 20	55395021074000	1,0 pc.		0,01
4	2	Hexagonal nut DIN985-N M 8-8 galvanized	55500985008023	1,0 pc.		0,02
5	2	HEX HEAD BOLT ISO 4014-M 8X65-8.8	00000002010053	1,0 pc.		0,06

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