



Rubber-roller huller  
DRHK.  
**TopHusk.**

PITSTOP

# PITSTOP Maintenance

The rubber-roller huller DRHK TopHusk is a key machine in your plant. Regular maintenance is essential to maintain the desired consistently high delivery rate.

In addition, Bühler experts recommend local provision of critical spare and wear parts to avoid considerable financial damage if worse comes to worst.

Optimum support for this is provided by the PITSTOP maintenance schedule. The recommendations therein are based on the comprehensive experience of Bühler experts.



## Advantages

- Preventive maintenance maximizes the availability of the machine.
- On-site availability of critical spare parts reduces outage times to an absolute minimum.
- Sustained value through preventive maintenance.

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## Maintenance schedule

Preventive maintenance	Part number	Comments	Daily/ 24 h	Weekly/ 120 h	Monthly/ 1500 h	Semi-annually/ 3000 h	Yearly/ 6000 h
Check the machine for vibrations and unusual noises.	–	See also sec. 8.5 of machine manual.	•	–	–	–	–
Interchange rubber rolls periodically to maintain the hulling degree. <sup>1</sup>	–	Replace when the thickness of rubber ~1 mm. Do not use eccentric/high hardness rubber/large bore rubber rolls/large bolt.	•	–	–	–	–
Check and adjust if required the inlet chute so that the paddy lands exactly in the roll gap. <sup>2</sup>	–	–	•	–	–	–	–
Clean machine internal and external.	–	Clean with hand and brush.	–	•	–	–	–
Check the distance of wear plate to the rubber rolls. Adjust if necessary.	–	See also sec. 10.3.3 of machine manual.	–	•	–	–	–
Check and maintain the air filters in line for proper working of the pressure regulating valve (PRV).	–	5 micron filtered oil free air is essential to proper working of PRV.	–	–	•	–	–
Check belt tension, re-tension if necessary. Replace at once in the event of wear.	–	See also sec. 10.3.2 of machine manual.	–	–	–	•	–
Re-lubricate motor bearing at grease point.	–	See also nameplate of motor.	–	–	–	–	•
Check the roller bearings of rubber rolls and idler. Replace if necessary.	–	–	–	–	–	–	•

<sup>1</sup>Life of wear parts depends greatly on hulling, capacity and other variables, so the maintenance frequency may differ from the recommended schedule.

<sup>2</sup>Check and adjustment is recommended when there is an interchange or replacement of the rolls.

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## Wear parts

Wear parts	Part number	Comments	Interval	Quantity per machine	Quantity
Rubber roll 12"	DRHI-10050-001	-	3 ... 5 days	2	
Wear sheet door	DRHK-10134-001	-	3 ... 6 months	1	
Rear wall of wear sheet	DRHK-10134-001	-	3 ... 6 months	1	
Aspiration Channel <sup>1</sup>	DRHK-10106-001	-	1 year	1	

<sup>1</sup>The aspiration channel for old machine is weld-on types, please order retrofit kit in case of replacement.

**Please Note:**

The wear part replacement frequency mentioned above is for normal way of running the machine in line with Buhler recommendation.

The intervals specified are approximate values. Wear depends greatly on the capacity, hulling and other factors.

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## Critical spare parts

Critical spare parts	Part number	Comments	Quantity per machine	Quantity
Hybrid belt 2248 8M-B 57/16PK	UVN -64008-224	Drive	1	
Pneumatic cylinder D 80	DRHK-10151-001	Swivel Frame	1	
Tapered roller bearing D 85/130x36	UNN -56014-515	Swivel Frame	2	
Nilos type ring D 85/128x7	UNN -44025-613	Swivel Frame	2	
Deep-groove ball bearing	UVN -56001-010	Swivel Frame/Fixed bearing G assembly	4	
Deep-groove ball bearing	UVN -56001-010	Deflection roll assembly	2	
Flange for roller	DRHK-10128-001	-	2	
Tension flange	DRHK-10129-001	-	2	
Frequency convertor	UVE -36077-011	Control box	1	
Accessories, fuses, jumper wires	DRHE-10111-001	Control box	1	
MEAG print	EKP -84336-810	Control box	1	
MEAG display	EKP -10953-001	Control box	1	
Pressure regulator proportional	UVS -16570-006	Control box	1	
Current transformer	UNB -12220-301	Control box	1	
Short stroke cylinder	UNS -23201-104	Flap	1	
Vibro-feeder	DRHK-10114-001	Huller	1	

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