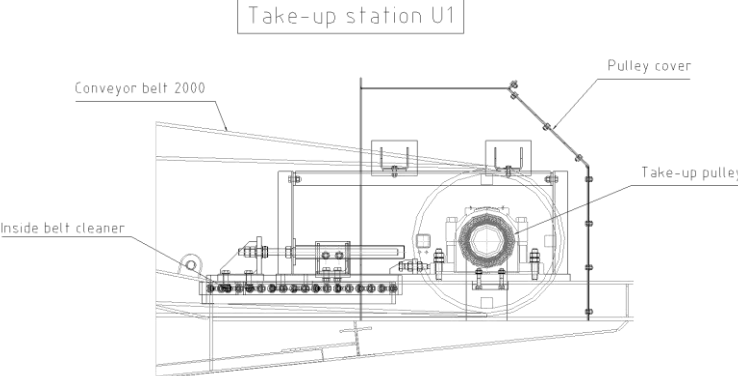


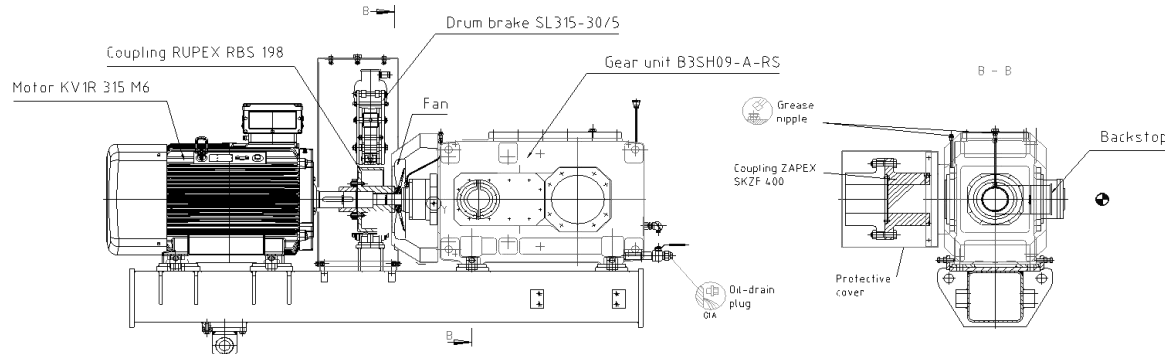
Legend of maintenance intervals: a - Daily; b - Weekly; c - Monthly; d - Every 3 months; e - Every six months; f - Yearly; S - Special intervals; Bh - Service hours										
Item No.	Equipment / Sub-assembly Description of scope of performances	Actions / Notes	a	b	c	d	e	f	S	
<b>A</b>	<b>General maintenance</b>									
	<> General visual inspection of all plant components	daily	x							
	<> Visual inspection for bulk material accumulations and dirt	weekly (remove bulk material accumulations and dirt if necessary)		x						
	<> Cleaning the surfaces of equipment items and electric components	monthly			x					
<b>B</b>	<b>Steel structures and fasteners (bolts, nuts, pins etc.)</b>									
	<> Check for corrosion	every 6 months; Defects in the paint coating must be repaired under consideration of coating specification					x			
	<> Check for: -- Deformation -- Loose joints of bolted, screwed and other connections -- Visual damage to welded connections	every 6 months					x			
	<> Check all fasteners like bolts, nuts, pins etc. for firm seating	every 2 years							x	
<b>C</b>	<b>Local electrical appliances</b>									
	<> Check for dirt	monthly			x					
	<> Check electrical connections for safe fixing / damage	monthly			x					
	<> Check for correct function	monthly			x					
<b>D</b>	<b>Wear parts</b>									
	<> Control of all rubber seals	Seals are wear parts and must be controlled at regular intervals. Depending on the operating and ambient conditions, we recommend a monthly visual control. Worn			x					
	<> Control of gearbox seals	Seals are wear parts and must be controlled at regular intervals. Depending on the operating and ambient conditions, we recommend a monthly visual control. Worn								

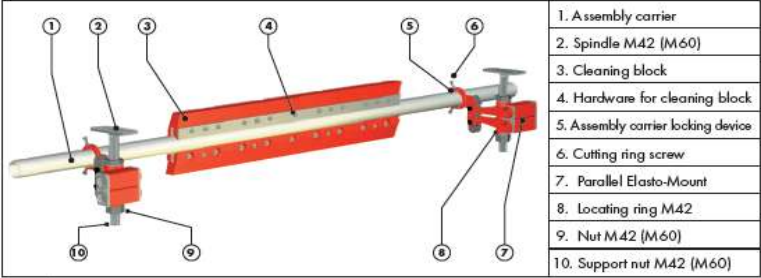
Legend of maintenance intervals: a - Daily; b - Weekly; c - Monthly; d - Every 3 months; e - Every six months; f - Yearly; S - Special intervals; Bh - Service hours									
Item No.	Equipment / Sub-assembly Description of scope of performances	Actions / Notes	a	b	c	d	e	f	S
<b>Intermediate belt conveyor U1</b>									
<b>Feeding box</b>									
<b>1</b>	<b>Wear parts</b>								
	<> Check visually the wear plates for wear	If necessary, re-tighten the fastening bolts or replace the wear plates			x				
	<> Check the rubber sealings for wear	Re-adjust or replace if necessary			x				
	<> Subject the rubber curtain on conveying-belt outlet to visual examination	Replace if necessary			x				
<b>Take-up station</b>									
<b>2</b>	<b>Take-up pulley cover (1 pc)</b>								
	<> Check visually the rubber plates for wear	monthly visual inspection; - Replace if necessary			x				
<b>3</b>	<b>Take-up pulley (1 pc.)</b>	<b>see Manual 7 Register 7.5</b>							
	<> Lubrication	see lubrication plan							
	<> Check the belt pulley for detection of visible damage, abnormal noise and vibrations		x						
	<> Check the bearing housings for detection of excessive temperatures (smoke formation) or excessive grease loss		x						
	<> Check the tensioning sets for technically perfect condition and firm seating of bolts						x		
	<> Inspection of pulley coating	Every two months; replace coating in case thickness of smooth coating falls below 3 mm, or below 2 mm in case of chequered coating							
<b>4</b>	<b>Inside belt cleaner (1 pc)</b>								
	<> Check rubber plate for wear and adjustment	if the rubber plate is no longer in contact with the belt, readjust the cleaner or change the rubber After replacing the rubber plate it must be ensured that the steel structure of the inside belt cleaner is prevented at any time from bumping against the belt (check setting of the adjusting screw)			x				
 <p>The diagram illustrates the take-up station U1. It shows a conveyor belt (labeled 'Conveyor belt 2000') passing over a pulley system. A 'Pulley cover' is shown above the pulley. A 'Take-up pulley' is also indicated. An 'Inside belt cleaner' is shown at the bottom of the pulley assembly. The entire station is labeled 'Take-up station U1'.</p>									
<b>5</b>	<b>Tensioning spindles (8 pcs)</b>								
	<> Coat tensioning spindles with grease	see lubrication plan							

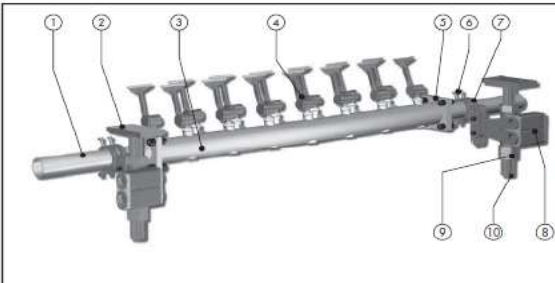
Legend of maintenance intervals: a - Daily; b - Weekly; c - Monthly; d - Every 3 months; e - Every six months; f - Yearly; S - Special intervals; Bh - Service hours											
Item No.	Equipment / Sub-assembly Description of scope of performances	Actions / Notes	a	b	c	d	e	f	S		
<b>Conveyor frame</b>											
<b>6</b>	<b>Conveyor belt 2000.EP500/4-X-6:3</b>	<b>see Manual 7 Register 7.4</b>									
	<> Check for easy operation	daily visual inspection	x								
	<> Check if the running properties are correct	daily visual inspection	x								
	<> Check for damage	daily visual inspection; if necessary repair or replace the conveyor belt	x								
	<> Check if belt tension is correct	daily visual inspection; if necessary adjust belt tension	x								
<b>7</b>	<b>Garlands, carrying idlers and carrying idler stations</b>	<b>see Manual 7 Register 7.12</b>									
	<> Check idlers for early signs of failure	e.g. abnormally high noise or heavy vibrations			x						
	<> Check idlers for smooth running	if necessary, remove accumulation of conveyed material between carrying idler and carrying idler support or rather between carrying idler and conveying belt at the lower run			x						
	<> Check idler surface for contamination	remove adhering conveyed materials			x						
	<> Check carrying idlers for wear	Replace damaged carrying idlers Possible blockings or damages at the carrying idlers can occur because of: - blocking of the bearing due to penetration of dirt, conveying material or water or by means of oxidation - wear of the jacket pipe which could damage the belt due to holes and sharp edges at the idler jacket - wear of supporting rings and buffer rings - insufficient axial security device			x						
	<> Check fastenings of idler stations for tight fit	if necessary, re-tighten			x						
	<> Check the garland suspension				x						
<b>Discharge station</b>											
<b>8</b>	<b>Discharge hood (1 pc)</b>										
	<> Check visually the rubber scrapers for wear and adjustment	monthly visual inspection; - Replace if necessary			x						
	<> Check the rubber seals for wear or damage	visual check, if necessary readjust or replace			x						
	<> Check the wear plates for tightness and wear	monthly visual inspection and, if necessary, tighten nuts or replace worn-out plates			x						





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Item No.	Equipment / Sub-assembly Description of scope of performances	Actions / Notes	a	b	c	d	e	f	S	
	<> Check the value of the adjusted braking torque									X
	<> Check the solidity of all screwings									X
	<> Check the Arbeitsbereitschaft sämtlicher Schalter									X
	<> Check the cleanness and soft running of all bearings	the bearings including the pivoting pins must not be covered with paint in case of spray-painting								X
	<> Check for existense of all cotter pins in the pivoting pins									X
	<> Check the condition of the brake drum									X
	<> Check the condition of the piston rod and impermeability of the releasing device									X
	<> Check the correct seat of steel bushes in the brake shoes									X
10.5	Electrohydraulic thruster EB 300-50 (1 pc.)	see Users manual Electrohydraulic Thrusters								
	<> refilling after repair									
										
11	Flange coupling (1 pc)									
	<> Check the bolt connections for tight seating	visual check								X
	<> Check for any change in the noise level	at least every three months				X				
		The coupling must run with little noise and without vibration in all operating phases								

Legend of maintenance intervals: a - Daily; b - Weekly; c - Monthly; d - Every 3 months; e - Every six months; f - Yearly; S - Special intervals; Bh - Service hours										
Item No.	Equipment / Sub-assembly Description of scope of performances	Actions / Notes	a	b	c	d	e	f	S	
12	Discharge pulley (1 pc)	see Manual 7 Register 7.5								
	<> Lubrication	see lubrication plan								X
	<> Check the belt pulley for detection of visible damage, abnormal noise and vibrations		X							
	<> Check the bearing housings for detection of excessive temperatures (smoke formation) or excessive grease loss		X							
	<> Check the tensioning sets for technically perfect condition and firm seating of bolts						X			
	<> Inspection of pulley coating	Every two months; replace coating in case thickness of smooth coating falls below 3 mm, or below 2 mm in case of chequered coating								X
13	Pre-scraper Type B9S + PEM (1 pc)	see Manual 7 Register 7.3 Installation and operating instructions for HOSCH Pre-scraper								
	<> Visual inspection to check: - function of the device - cleaning efficiency - material discharge - working behavior - belt surface, belt junctions and patches	directly after the first full working day, afterwards monthly			X					
	<> Assessment of the wear degree  <ol style="list-style-type: none"> <li>1. Assembly carrier</li> <li>2. Spindle M42 (M60)</li> <li>3. Cleaning block</li> <li>4. Hardware for cleaning block</li> <li>5. Assembly carrier locking device</li> <li>6. Cutting ring screw</li> <li>7. Parallel Elasto-Mount</li> <li>8. Locating ring M42</li> <li>9. Nut M42 (M60)</li> <li>10. Support nut M42 (M60)</li> </ol>	monthly, it is recommended to replace the parallel elasto-mounts (Pos. 7 in the figure) after approx. 8000 Bh			X					
	<> Cleaning of the scraper	Make sure not to damage the anti-corrosion coat or the scraping edges of the cleaning blocks (Pos. 3 in the figure)			X					
	<> Service inspection including: - cleaning of all scraper components - functional check of all components - assessment and, if necessary, repair of anti-corrosion coat of all components - assessment of the degree of wear of all components - replacement of worn-out or damaged parts by original parts - installation and re-adjustment of the scraper	at least every 4000 operating hours see Installation and operating instructions  Install new securing elements during each service inspection								X

Legend of maintenance intervals: a - Daily; b - Weekly; c - Monthly; d - Every 3 months; e - Every six months; f - Yearly; S - Special intervals; Bh - Service hours																										
Item No.	Equipment / Sub-assembly Description of scope of performances	Actions / Notes	a	b	c	d	e	f	S	Bh																
14	Main scraper Type C3 (1 pc)	see Manual 7 Register 7.3 Installation and operation instructions for HOSCH Sprung Blade scrapers																								
	<p>&lt;&gt; Visual inspection to check:</p> <ul style="list-style-type: none"><li>- function of the device</li><li>- cleaning efficiency</li><li>- material discharge</li><li>- working behavior</li><li>- belt surface, belt junctions and patches</li></ul>	<p>directly after the first full working day, afterwards monthly</p>																								
	<p>&lt;&gt; Assessment of the wear degree of the modules (Pos. 4 in the figure) and other wear parts</p> <div><table><tr><td>1. Assembly carrier endsection</td></tr><tr><td>2. Spindle M60</td></tr><tr><td>3. Assembly carrier midsection</td></tr><tr><td>4. Cleaning modules</td></tr><tr><td>5. Assembly carrier flange</td></tr><tr><td>6. Cutting ring screw</td></tr><tr><td>7. Assembly carrier locking ring</td></tr><tr><td>8. Parallel elasto-mount</td></tr><tr><td>9. Nut M60</td></tr><tr><td>10. Support nut M60</td></tr></table></div>	1. Assembly carrier endsection	2. Spindle M60	3. Assembly carrier midsection	4. Cleaning modules	5. Assembly carrier flange	6. Cutting ring screw	7. Assembly carrier locking ring	8. Parallel elasto-mount	9. Nut M60	10. Support nut M60	<p>monthly,</p> <p>The modules must be replaced if the height of the tungsten carbide tip is inferior or equal to <b>2 mm</b>. It is recommended to replace components equipped with torsion springs, such as parallel elasto-mounts (Pos. 8 in the figure), and modules with a low tungsten carbide wear after approx. 8.000 operating hours.</p> <p>If used modules are reinstalled, the scraping edges must be rounded.</p>														
1. Assembly carrier endsection																										
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	<> Cleaning of the scraper	<p>Make sure not to damage the anti-corrosion coat or the scraping edges of the modules (Pos. 4 in the figure)</p>																								
	<p>&lt;&gt; Service inspection including:</p> <ul style="list-style-type: none"><li>- cleaning of all scraper components</li><li>- disassembly of the assembly carrier</li><li>- functional check of all components</li><li>- assessment and, if necessary, repair of anti-corrosion coat of all components</li><li>- assessment of the degree of wear of all components</li><li>- replacement of worn-out or damaged parts by original parts</li><li>- installation and re-adjustment of the scraper</li></ul>	<p>at least every 4000 operating hours</p> <p>see Installation and operating instructions</p> <p>Install new securing elements during each service inspection</p>																								
Note the special information on maintenance in the add-on parts documentation!																										