













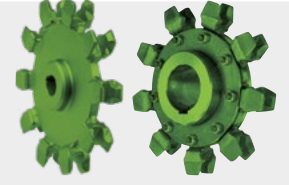
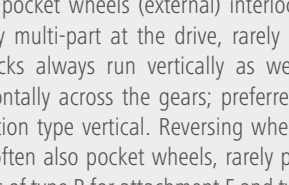





OUR RUD CONVEYOR CHAIN SYSTEMS

RUD-System	Sprocket wheel system	System pocket wheel
Chain	 <p>Size 8 x 31 ... 38 x 144, Grade R80, R100, R140, R160</p>	
Connectors	 FL 38 x 144  RSP 8 x 31 ... 10x38, 14 x 64  VK 19 x 120  UKS 14 x 50 ... 34 x 136	
Attachment type	Multiple link attachment	Single link attachment
Attachment	 Duomount 26 x 100...  SSRF 14 x 50... 38 x 144  SSR 10 x 38... 30 x 120  F 18 x 64... 22 x 86  MEZZ 10 x 31 ... 38 x 144  FM 8 x 31... 30 x 120  MEET (K) 10 x 38... 38 x 144  F 18 x 64... 22 x 86  MEZT 10 x 38... 30 x 120	 Above size 14 x 50 mostly multi-part, locks always run vertically across the gears  Drive pocket wheels (external) interlocked, mostly multi-part at the drive, rarely single, locks always run vertically as well as horizontally across the gears; preferred installation type vertical. Reversing wheels – very often also pocket wheels, rarely pulley blocks of type B for attachment F and type C for MEET(K) or MEZT.
Drive wheels	 Drive sprocket (internal) interlocked.	
Reversing wheels	 Type A with rim often at the tensioning station and as SOI, type B without rim for all the remaining defl ections, rarely single gearwheels.	 Type C for attachment mezz and Fl, alternative is single gearwheels.

BENEFIT FROM OUR HIGH PERFORMANCE

Property	Performance	RUD Special grades				
		R80	R100	R140	R160	
Wear	Carburising depths in the link after macro etching (HTA) (... x d)	0,10	0,10	0,14	≥ 0,16	
	Surface hardness in the link (HV)	800	800 - 820	≥ 820	≥ 820	
	System components (compatible with each other)	+++	+++	+++	+++	
Downsizing	Tensile stress up to N / mm ²	340	450	400	400	

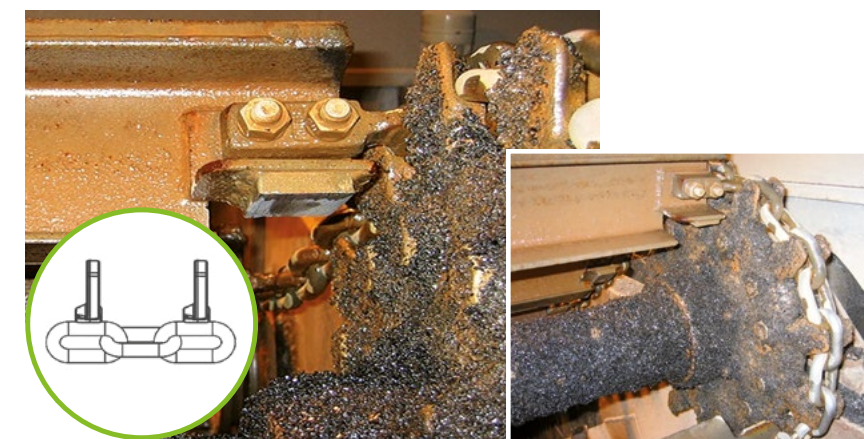
RUD SCRAPER BARS

AREAS OF APPLICATIONS

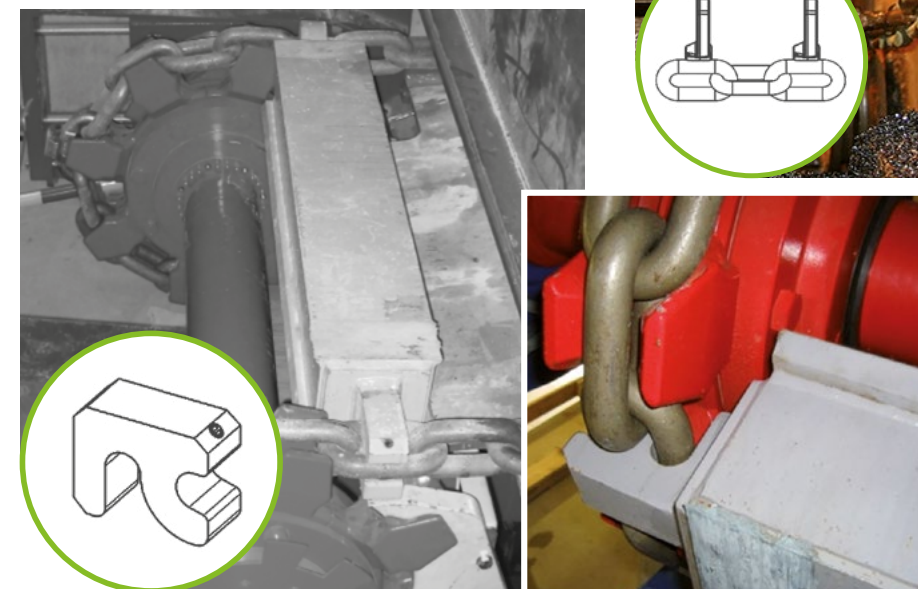
DE-ASHER WITH SSRF ATTACHMENT



DE-ASHER WITH F ATTACHMENT



LANDFILL WASTE BUNKER DISCHARGE WITH MEE-T ATTACHMENT



DE-ASHER WITH FM ATTACHMENT



RUD
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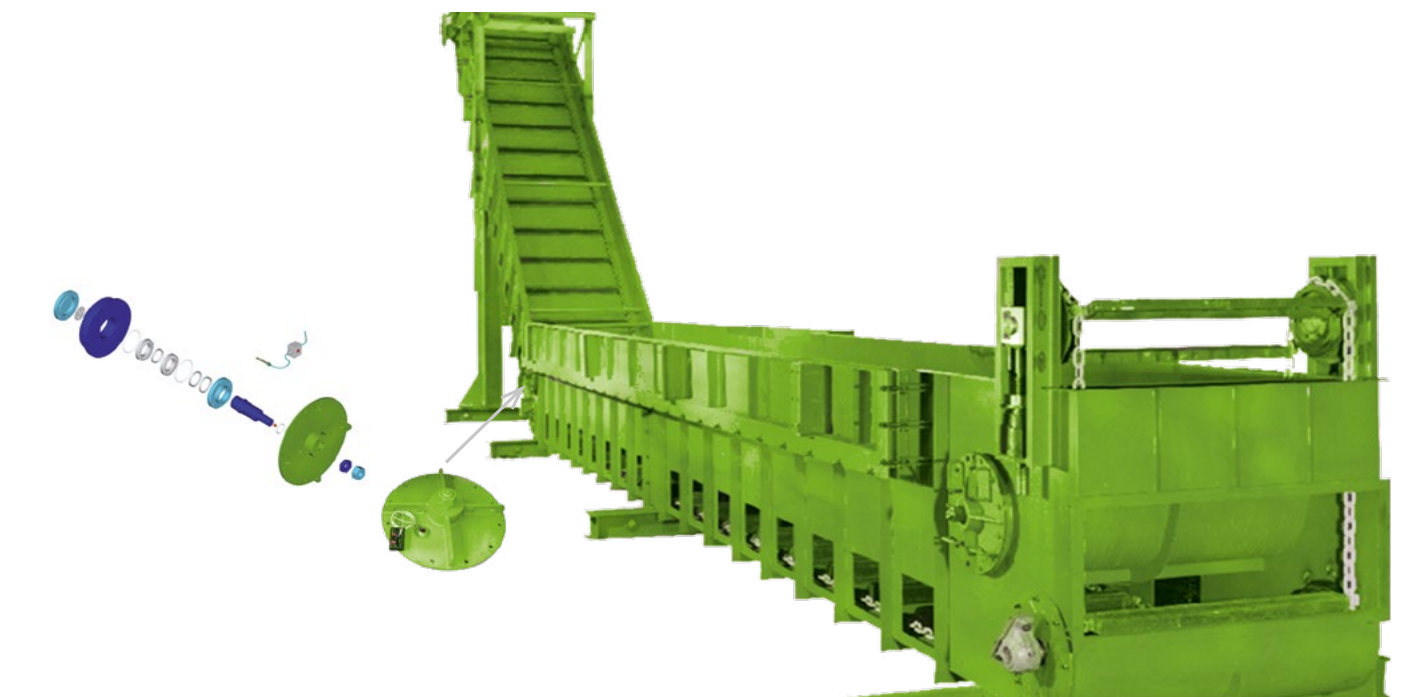
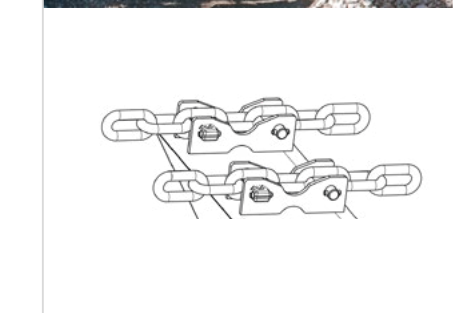


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RUD CHAIN TECHNOLOGY

FOR DE-ASHING SYSTEMS

RECLAIMER SCRAPER BARS WITH SYSTEM 65



RUD REVERSION WHEELS

TYP A // TYP B // TYP C



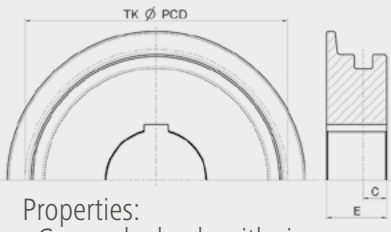
TYP A



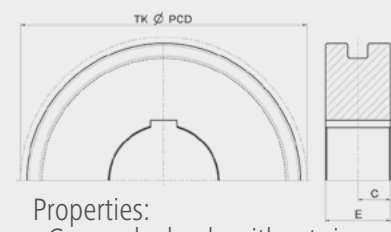
TYP B



TYP C



Properties:
· Grooved wheels with rim
· For using at tensioning stations



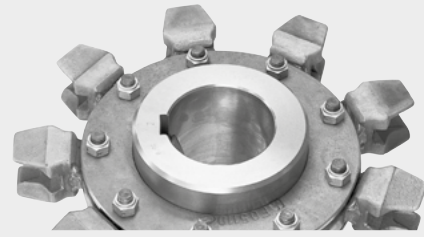
Properties:
· Grooved wheels without rim
· For using in loose side of the belt under the trough



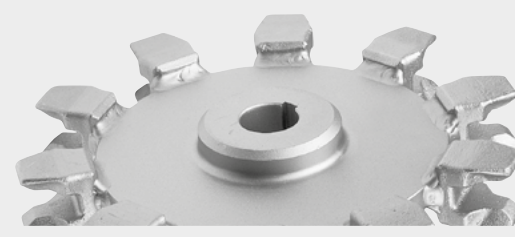
Properties:
· Plain wheels with rim
· For both the use cases, however only possible when using flange attachments and very short scraper distances

RUD SYSTEM POCKET WHEELS

MULTI-PART & SINGLE-PART POCKET WHEEL SYSTEM



Properties:
· With replaceable, highly wear-resistant pocket wheel discs
· For difficult operating conditions
· Preferably used as driving gear



Properties:
· Highly wear-resistant
· For medium and difficult operating conditions
· Especially suitable as guide wheel

RUD SPROCKET WHEELS

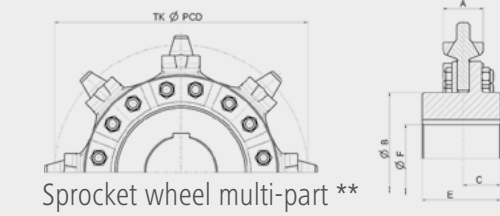
SPROCKET WHEEL MULTI-PART



Properties:
· With replaceable, highly wear-resistant tooth discs
· For difficult operating conditions



Sprocket wheel multi-part*

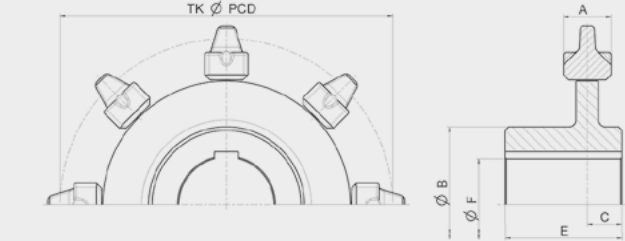


Sprocket wheel multi-part**

SPROCKET WHEEL SINGLE-PART

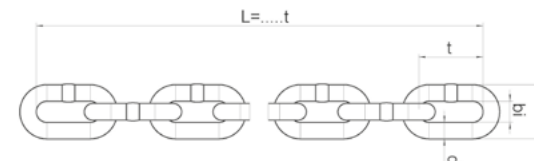
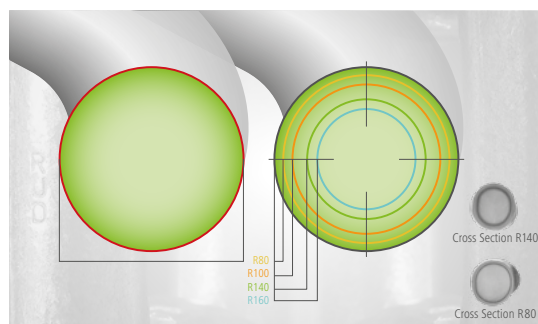
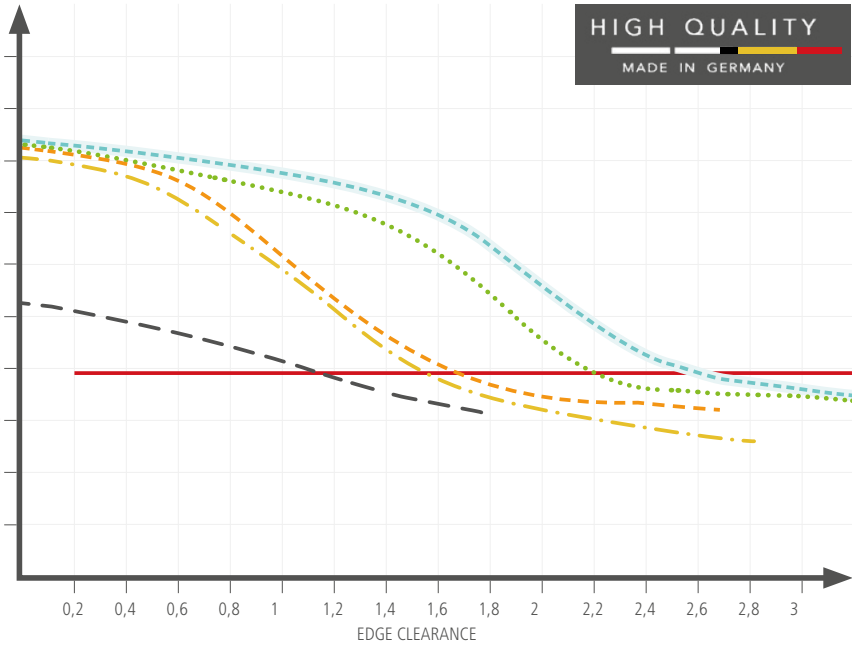


Properties:
· Highly wear-resistant for difficult operating conditions
· Unhardened for easy operating conditions



RUD ROUND STEEL CHAIN

HARDNESS CURVES



Properties:
· Highly wear-resistant for a long time
· Self-cleaning
· Simple assembly and disassembly of RUD components in the chain belt

· High-strength, as optimally heat-treated
· Low-maintenance when compared to other systems

RUD SPECIFICATION

Chain d × t in [mm]	Chain width		Weight [kg/m]	Strand length (m/link) ⁽¹⁾	Attachment distance [Links]	ROUND STEEL LINK CHAINS IN SPECIAL GRADES – HIGHLY WEAR-RESISTANT ⁽³⁾								Chain d × t in [mm]	
	bi (min.) [mm]	ba (max.) [mm]				R80		R100		R140		R160			
						Breaking Force [kN]	RUD Part number	Breaking Force [kN]	RUD Part number	Breaking Force [kN]	RUD Part number	Breaking Force [kN]	RUD Part number		
22 × 86 ⁽⁵⁾	26	74 (73)	9,7 (9,5)	10,234/119	variable	260	7905474	350	7905654			7905719	22 × 86 ⁽⁵⁾		
				Fitting strand		7905475	7905655		7905720						
26 × 100	31	87	13,3	7,9/79	4/8/10/16	370	7905491	430	7905660	370	7909277	430	7905722		
				8,1/81									7905492	7905661	7905723
				8,3/83									7905493	7905662	7905724
30 × 120	36	102	17,5	5,640/47	4/6/8/12/16	440	7905498	640	7905664		7909278	580	7905727		
				Fitting strand									7905499	7905666	7905728
				8,694/69									7905500	7905667	7905729
34 × 126	38	109	22,7	5,88/49	10	460	7905502	720	7905670			580	7905728		
				Fitting strand									7905503	7905672	7905729
				4,760/35									7905521	7905675	7905865
34 × 136	39	113	23,8	5,304/39	4/6/12/18	615	7905522	720	7905676	630	7905866	670	7908694		
				Fitting strand									7905506	7905678	7908695
				3,312/23									7905680	7905868	7908697
38 × 144	44	127	30,0	4,176/29	4/6/10	920	7905681		7905683			850	7908698		
				Fitting strand											7908699

RUD ROUND STEEL CHAIN R160

TOUGH AND 30% MORE RUNNING TIME

RUD offers its customers nothing less than double the service life in the use of bucket elevators and ash removal systems – the new round steel chain R160 has been optimised with regard to a longer service life.

Our special chain steel improves the wear behavior significantly without any loss of breaking force. Its breaking stress of up to 400 N/mm² provides especially for particularly rough and heavy duty operating conditions (e.g. in coal fired powerplants) a better performance in relation to other chain grades and therefore an increase of the revision time frame up to two times. The operating time of the whole facility will be significantly increased.

The R160 is currently available in the following sizes:

- 22 x 86 mm
- 26 x 100 mm
- 30 x 120 mm
- 34 x 136 mm
- 38 x 144 mm

The RUD R160 offers improved technical features that contribute to higher economic efficiency and operational safety. In combination with other products in the portfolio, RUD offers its customers the most innovative tailor-made solutions.