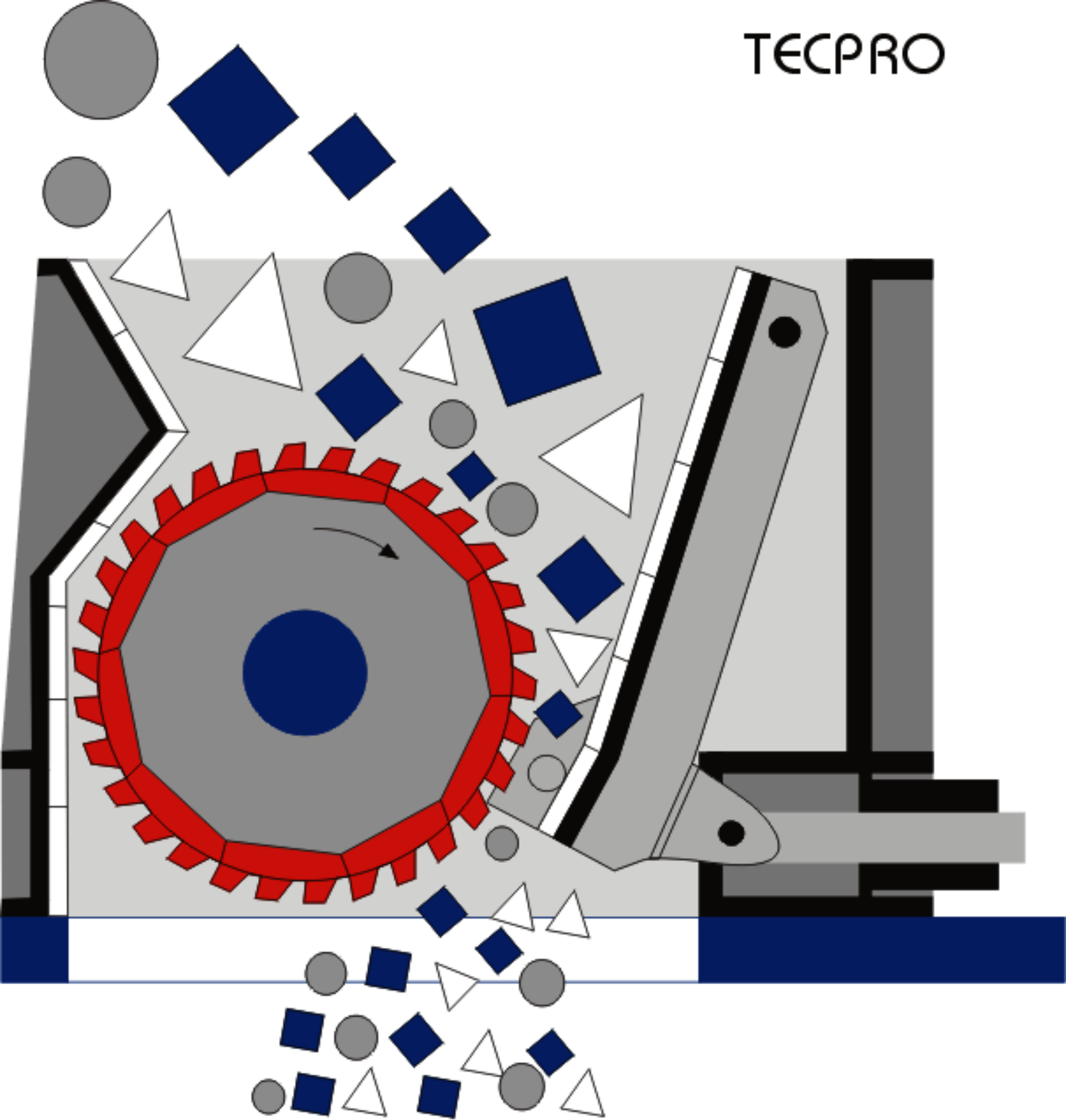


TECPRO



SINGLE ROLL CRUSHERS

PRODUCT DIVISION, TECPRO SYSTEMS (P) LTD.

Under License From

FAM

Förderanlagen Magdeburg
GERMANY



Crushing of soft to medium hard raw materials...

Function

- TECPRO FAM single roll crushers separate the feed material with high pressure in the wedge shaped crushing space between the toothed roller and the adjustable crushing balancer
- The driven toothed roller draws the material into the crushing gap.
- Due to the high impact rate of the circulating crushing tooth segments the effective crushing action starts already above the toothed roller.

Design

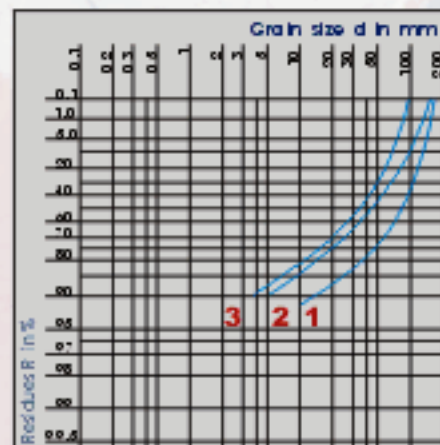
- Welded robust housing
- Roller core shaped as a polygon with surface ground supports for the crushing tooth segments.
- Locking of the segments by means of dovetail guides and fastening by screwed bolts
- Tooth shape and tooth pitch are adapted to the respective application
- Crushing tooth segments individually replaceable without lifting the crushing roller out.
- Crushing roller alternatively available with crushing rings
- Crushing roller with dust-tight encapsulated anti-friction bearing
- Stepless setting of crushing gap with optional mechanical or hydraulic overload protection
- Parallel evasion of crushing balancers on the occurrence of uncrushed components of the material

Fields of application

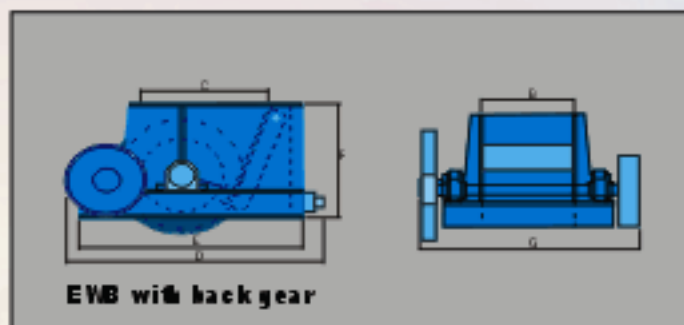
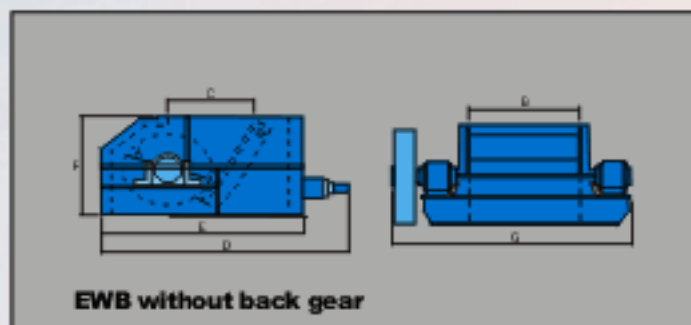
- Cement, gypsum and limestone plants
- Coal and potash mining
- Building, glass and chemical industries
- Metallurgical plants

Advantages

- Compact design
- Simple maintenance
- High throughput
- Preserving crushing action
- Low undersize shares
- Scarcely any dust occurrence



- potash salt
up to 1200 mm
down to
0- 180 mm
- raw gypsum
up to 1200 mm
down to
0- 150 mm
- limestone
up to 800 mm
down to
0- 100 mm



Designation Type without back gear	Roller dia. A mm	Roller width B mm	Weight approx. kg	Installation dimensions					
				C mm	D mm	E mm	F mm	G mm	
TSE/B 03 00	300	300	1800	500	1600	1300	750	1300	
TSE/B 03 08		800	2050					1800	
TSE/B 03 10		1000	3100					2000	
TSE/B 03 12		1200	3400					2200	
TSE/B 06 00	600	600	2600	600	1700	1400	900	1600	
TSE/B 06 10		1000	4300					2000	
TSE/B 06 12		1200	5150					2200	
TSE/B 06 14		1400	6000					2400	
TSE/B 08 08	800	800	3300	700	2100	1700	1150	2150	
TSE/B 08 10		1000	6500					2350	
TSE/B 08 12		1200	8000					2550	
TSE/B 08 14		1400	9500					2750	
TSE/B 10 10	1000	1000	8850	850	2250	1900	1350	2100	
TSE/B 10 12		1200	10,400					2300	
TSE/B 10 14		1400	11,300					2500	
TSE/B 10 16		1600	12,400					2700	
TSE/B 12 12	1200	1200	13,200	1000	2450	2150	1550	2350	
TSE/B 12 14		1400	14,600					2550	
TSE/B 12 16		1600	16,500					2750	
TSE/B 12 18		1800	18,200					3000	
Designation Type with back gear	Roller dia. A mm	Roller width B mm	Weight approx. kg	Throughput m ³ /h	Installation dimensions				
					C mm	D mm	E mm	F mm	G mm
TSE/B 10 08	1000	800	10,500	30 - 110	2050	3700	2800	1650	2600
TSE/B 10 10		1000	12,500	35 - 130					2800
TSE/B 10 12		1200	14,500	45 - 190					3000
TSE/B 10 16		1500	18,500	55 - 260					3300
TSE/B 12 12	1200	1200	22,000	55 - 240	2400	4150	3250	2250	3100
TSE/B 12 16		1500	25,500	65 - 290					3400
TSE/B 12 18		1800	28,000	80 - 350					3700
TSE/B 12 21		2100	30,000	80 - 450					4000
TSE/B 16 14	1600	1400	32,500	90 - 300	2800	5200	4200	2800	3700
TSE/B 16 16		1600	36,000	130 - 370					3900
TSE/B 16 18		1800	41,000	150 - 450					4100
TSE/B 16 21		2100	45,500	170 - 550					4300
TSE/B 18 18	1800	1800	48,000	250 - 1200	3200	6100	5100	3200	5200
TSE/B 18 21		2100	50,500	300 - 1450					5500
TSE/B 18 24		2400	54,500	300 - 1700					5800
TSE/B 20 20	2000	2000	66,000	800 - 1900	4100	6400	5300	3500	5400
TSE/B 20 25		2500	82,000	800 - 2300					5900
TSE/B 20 30		3000	98,000	900 - 2800					6400

All dimensions and data in this prospectus are meant only as a guide for which we reserve the right of modification. The throughputs specified apply to medium-hard limestone and are dependent on the final grain size. These must specially be brought into line for other requirements.

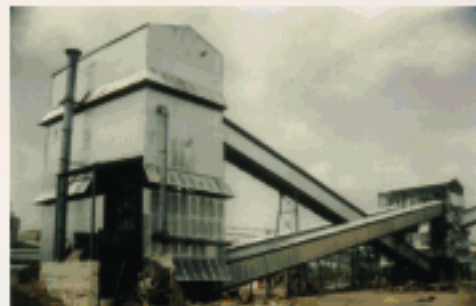
The weights apply to the design with mechanical overload protection without accounting for the driving units. Other sizes are available on request.

To enable our experienced engineering staff to recommend the installation best suited to specific applications, answers to as many of the following questions as possible will result in a prompt and accurate solution to your crushing requirements

1. Material to be crushed
2. Maximum feed dimension
3. Approximate feed size analysis
4. Moisture content
5. Stickiness
6. Bulk Density
7. Product sizes required
8. Friability
9. Abrasive characteristics
10. Do you intend close circuit operation?
11. Capacity desired in tons per hour

OUR OTHER PRODUCTS ARE:

1. Single Roll Crushers, Double Roll Crushers, (Smooth & Toothed), Reversible Impact Mill, Impact Hammer Crushers, Roller Screen, Ball Mills in technical collaboration with M/s. FAM Magdeburger Förderanlagen und Baumaschinen GmbH, Germany.
2. Aggregate Crushing and Screening plants - Cone Crushers, Vertical Shaft Impactors (Zenturbo), Jaw Crushers, in technical collaboration with M/s. Maschinenfabrik Liezen Und Giesserei Ges.m.b.H.
3. Flip-flow Screens in technical collaboration with M/s. Hein, Lehmann Trenn-Und Fordertechnik GmbH.
4. Vibrating Screens (Circular and linear motion), Vibrating Feeders, Apron Feeders in technical collaboration with M/s PEYTEC Aschauer & Peyfuss OEG, AUSTRIA.
5. Turnkey Projects - Fuel and Ash handling systems for Coal, Biomass, Bagasse based power plants, Material handling system for steel, cement, paper, industry etc.



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