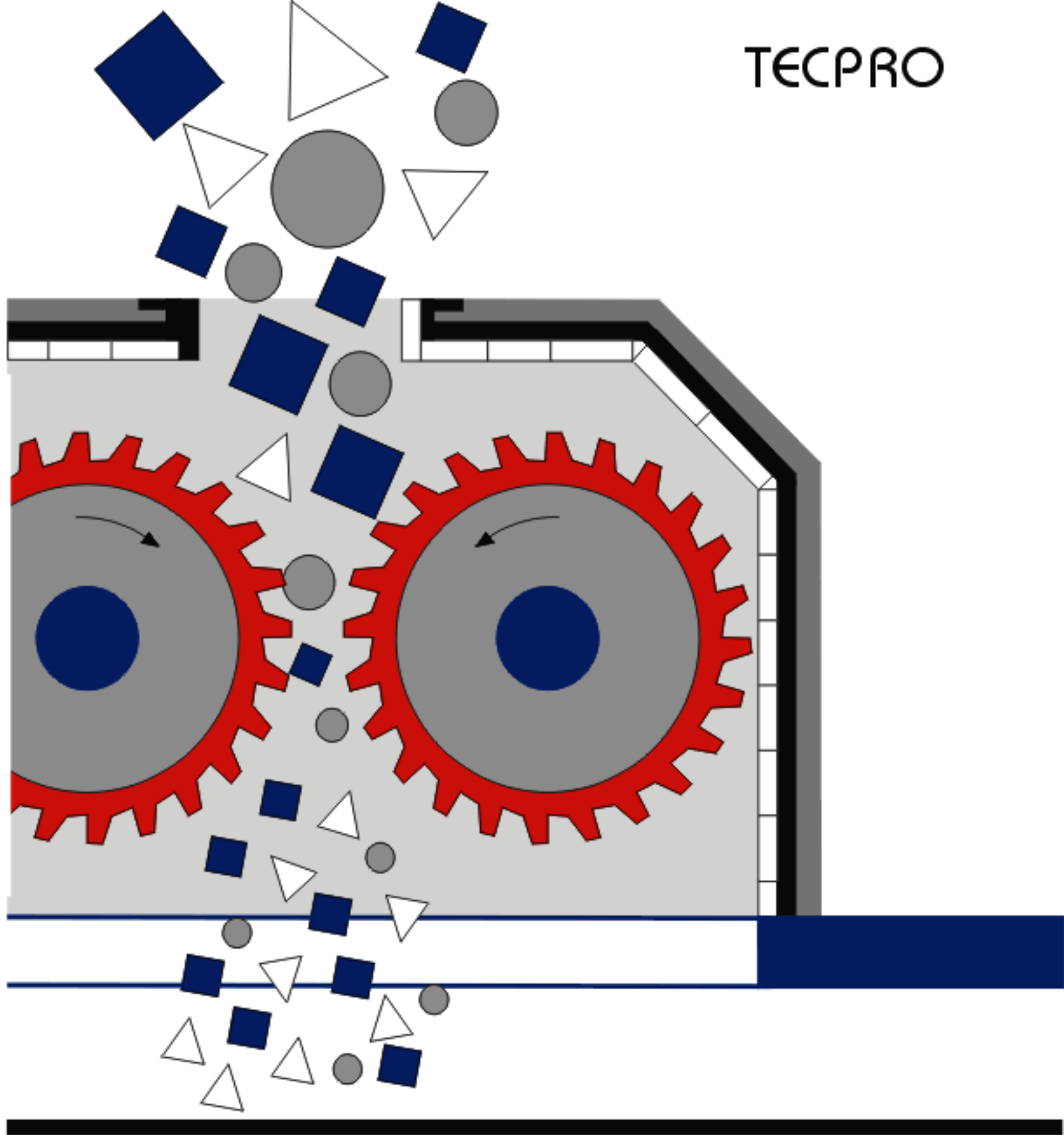


TECPRO



## TOOTHED DOUBLE ROLL CRUSHER

Under License From

**FAM**

Förderanlagen Magdeburg  
GERMANY

PRODUCT DIVISION, TECPRO SYSTEMS (P) LTD.



## Crushing of soft to moderately hard raw materials...

### Function

- TECPRO-FAM Toothed Double Roll Crushers separate the feed material with high pressure.
- Two driven toothed rollers draw 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 rollers.

### Design

- Welded robust housing
- Roller cores shaped as a polygon with surface ground supports for the crushing tooth segments
- Locking of the crushing tooth 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 rollers alternatively available with crushing rings
- Stationary and loose rollers with dust-tight encapsulated anti-friction bearing
- Stepless setting of crushing gap with optional mechanical or hydraulic overload protection
- Parallel evasion of the loose roller on the occurrence of uncrushed components of the material

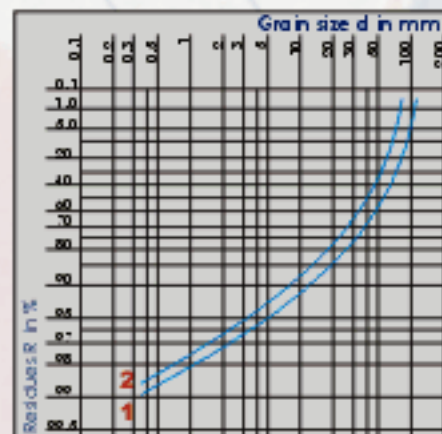
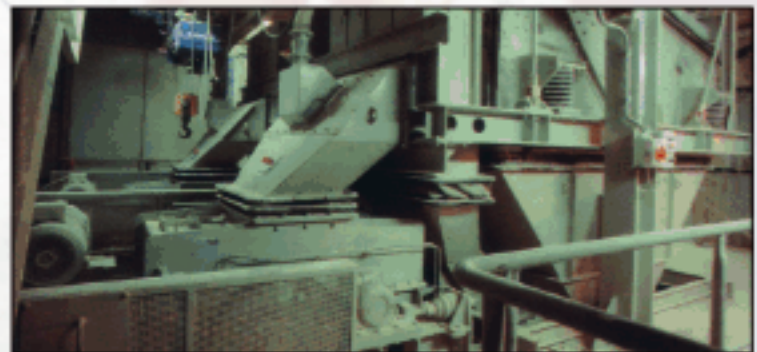
### Fields of application

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

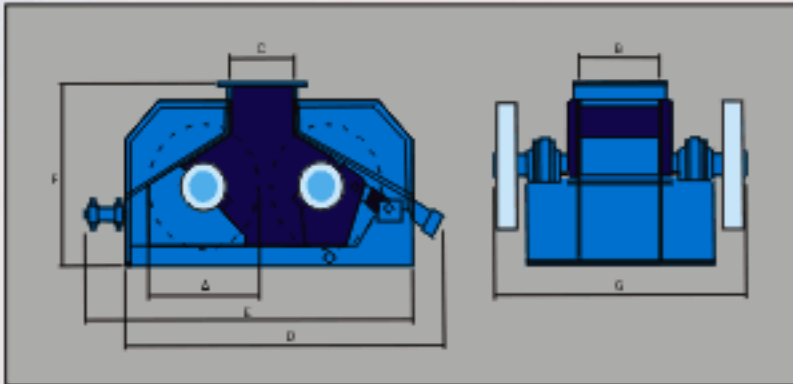


### Advantages

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



TSZWB 12 12  
for limestone  
1 gap width 80 mm  
2 gap width 55 mm



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.

Designation Type	Roller dia.		Weight approx. kg	Thoughtput m <sup>3</sup> /h	Installation dimensions				
	A mm	B mm			C mm	D mm	E mm	F mm	G mm
TSEWB 06 06	600	600	5100	15 - 50	550	2450	2200	1080	1650
TSEWB 06 08	600	800	5800	25 - 80	550	2450	2200	1080	1850
TSEWB 06 10	600	1000	6700	30 - 115	550	2450	2200	1080	2050
TSEWB 06 12	600	1200	7300	35 - 130	550	2450	2200	1080	2250
TSEWB 08 06	800	600	8200	30 - 85	700	2950	2650	1230	1700
TSEWB 08 08	800	800	9200	40 - 120	700	2950	2650	1230	1900
TSEWB 08 10	800	1000	10,400	50 - 150	700	2950	2650	1230	2100
TSEWB 08 12	800	1200	12,500	60 - 155	700	2950	2650	1230	2300
TSEWB 10 08	1000	800	13,600	35 - 145	820	3750	3400	1450	2050
TSEWB 10 10	1000	1000	15,400	55 - 190	820	3750	3400	1450	2250
TSEWB 10 12	1000	1200	17,300	60 - 230	820	3750	3400	1450	2450
TSEWB 10 15	1000	1500	18,500	80 - 290	820	3750	3400	1450	2750
TSEWB 12 10	1200	1000	22,500	60 - 260	1200	4350	3900	1900	2950
TSEWB 12 12	1200	1200	24,800	70 - 330	1200	4350	3900	1900	3150
TSEWB 12 15	1200	1500	27,900	80 - 410	1200	4350	3900	1900	3350
TSEWB 12 18	1200	1800	31,500	90 - 460	1200	4350	3900	1900	3700
TSEWB 14 12	1400	1200	32,300	70 - 300	1300	4800	4400	2100	3350
TSEWB 14 15	1400	1500	37,100	80 - 360	1300	4800	4400	2100	3650
TSEWB 14 18	1400	1800	42,700	90 - 440	1300	4800	4400	2100	3950
TSEWB 14 20	1400	2000	48,600	100 - 500	1300	4800	4400	2100	4100
TSEWB 16 12	1600	1200	33,700	110 - 380	1450	5400	4900	2350	3500
TSEWB 16 15	1600	1500	38,700	130 - 440	1450	5400	4900	2350	3800
TSEWB 16 18	1600	1800	44,900	140 - 500	1450	5400	4900	2350	4100
TSEWB 16 20	1600	2000	49,100	160 - 600	1450	5400	4900	2350	4400
TSEWB 18 15	1800	1500	50,400	150 - 390	1700	6050	5450	2700	4150
TSEWB 18 18	1800	1800	56,700	160 - 550	1700	6050	5450	2700	4500
TSEWB 18 20	1800	2000	63,600	180 - 650	1700	6050	5450	2700	4650
TSEWB 18 24	1800	2400	71,300	200 - 750	1700	6050	5450	2700	5100
TSEWB 20 18	2000	1800	62,500	220 - 700	2300	7100	6400	3500	4600
TSEWB 20 20	2000	2000	68,600	300 - 840	2300	7100	6400	3500	4800
TSEWB 20 24	2000	2400	84,900	360 - 1200	2300	7100	6400	3500	5200
TSEWB 20 28	2000	2800	95,000	420 - 1800	2300	7100	6400	3500	5600

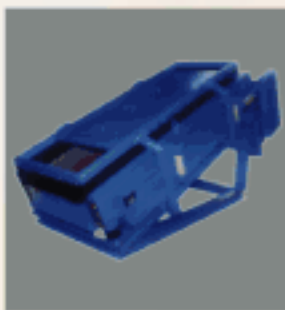
All dimensions and data in this prospectus are meant only as a guide for which we reserve the right of modification.

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:**

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 & Peyfus 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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