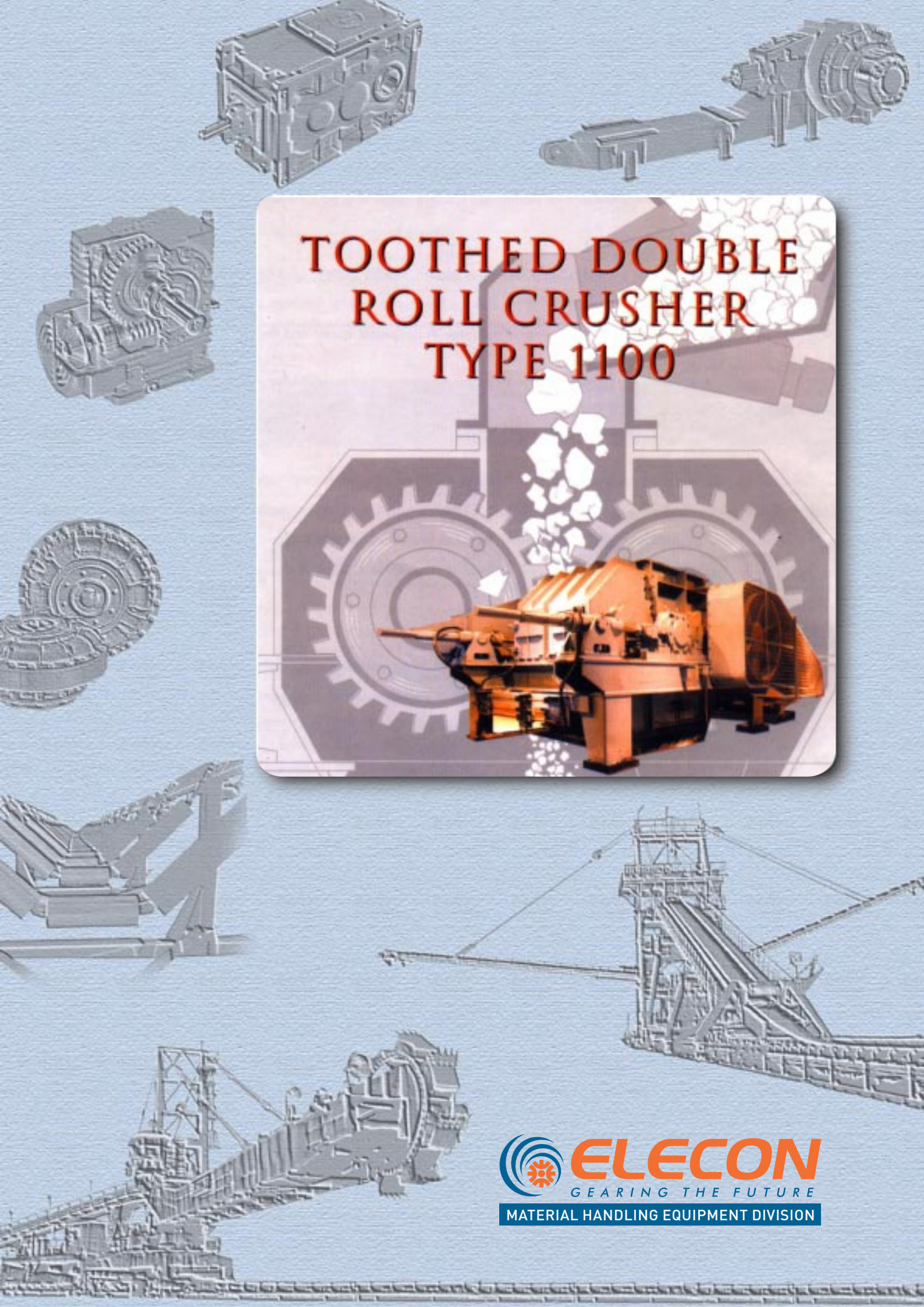
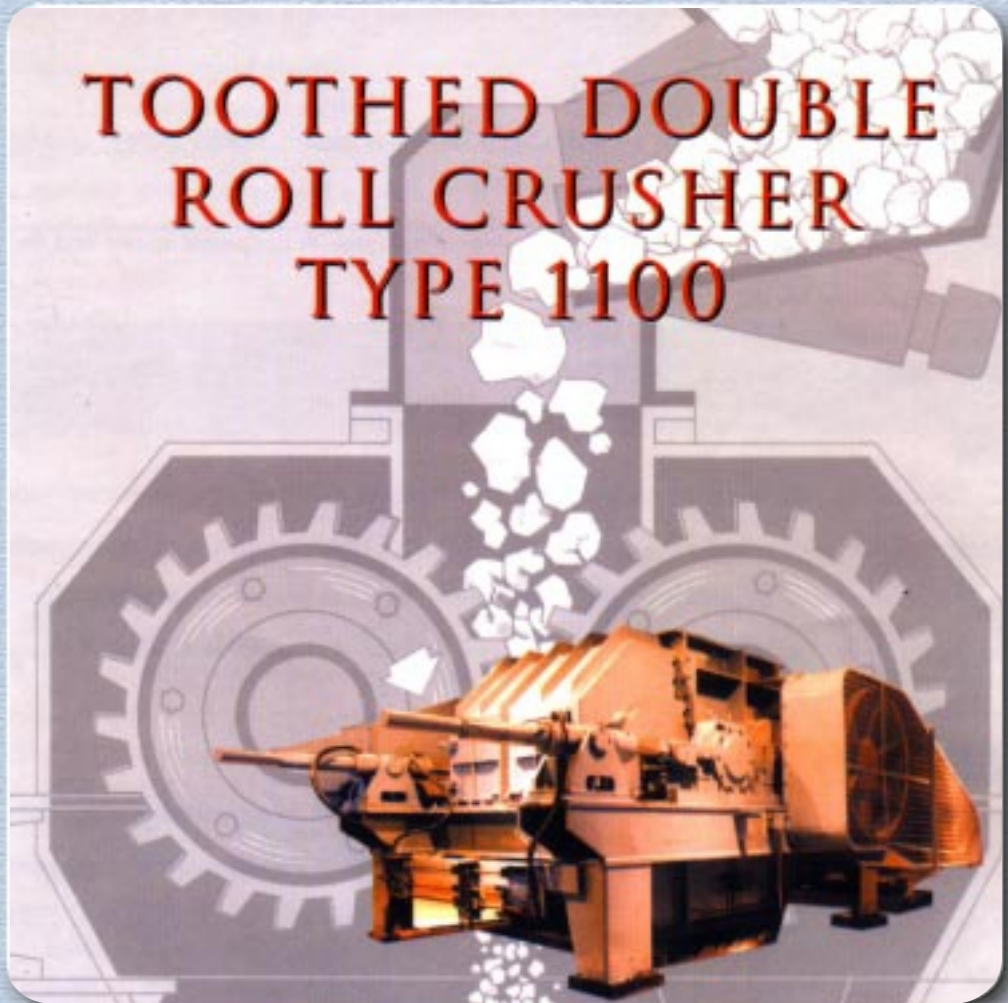




TOOTHED DOUBLE ROLL CRUSHER TYPE 1100



TOOTHED DOUBLE ROLL CRUSHER - TYPE 1100

Range of applications :

Two Roll Crushers have proved most efficient for primary and secondary crushing of coal, coke sinter moderately hard rock, ore, chalk, cullets, etc. They have the advantage of maintaining uniform range of grain sizes and minimum of fines generation.

Method of operation :

Two counter rotating crushing are individually driven by electric motors through coupling, gearbox & V-belts. The feed material should be fed across the entire of the rolls by a feeding device for optimum utilization of rolls and uniform grain distribution. The tooth profile of the rotor in peripheral speed and the diameter of the rotor are carefully selected depending on the application.

CONSTRUCTIONAL FEATURES

Rotor :

Individual crushing rings made of wear-resistant cast steel are mounted on a fabricated rotor which itself is mounted on amply dimensioned shaft with self-aligning spherical roller bearings which are protected against ingress of dust by grease filled labyrinth seals. This construction of rotor is simple in maintenance and has several advantages over segmental and single shell design. The tooth profile of the crushing rings varies from material to material crushed, feed size and desired product size as can be seen from the illustration.

Gap-Setting mechanism :

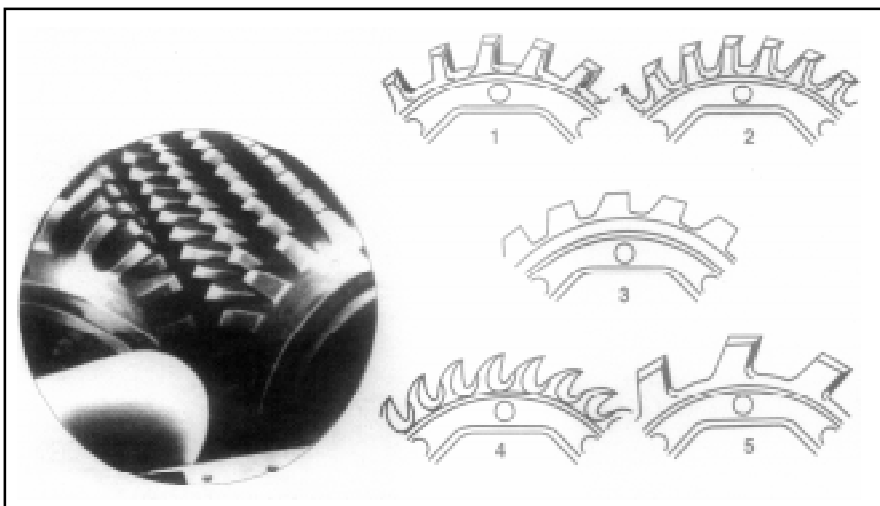
One of the rotors is designed as a floating roll by a hinged Yoke beam embedded in the housing, which is connected to the two swinging arms. The floating roll can be adjusted by a threaded hand-operated hollow spindle to move backwards or forwards in a parallel direction towards or away from the fixed roll for gap adjustment. Adjustment of the floating rolls can also be carried out by hydraulic cylinders in specific cases.

Safety device :

In the same vertical gap-setting mechanism a concentric spring-loaded solid spindle acts as a safety device. The spring tension is so present it protects the crusher against uncrushable material.

Housing :

The crusher housing is fabricated from MS plates and sections. Suitable openings are provided for inspection and maintenance.



Crushing ring :

1. for coke 40-60 mm
2. for coke 50 mm
3. for sinter 0-50 mm
4. for coal 0-80 mm
5. for limestone up to 200 mm

Typical tooth profile design for varied applications.

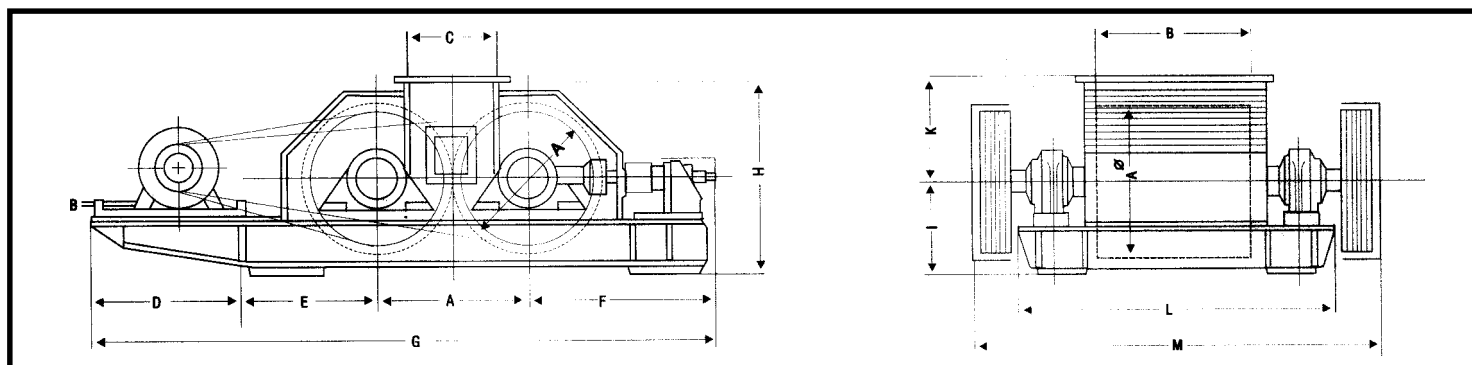


Table for Type 1100
with mechanical vertical adjustment

Size	A rolls	B	C	D	E	F	G	H	I	K	L	M	Weight kg
1150/80	500	800	500	270	430	1100	2030	1680	850	460	1700	2240	4300
1150/100	500	1000	500	270	530	1100	2130	1680	850	460	1900	2440	5100
1150/120	500	1200	500	270	530	1100	2130	1680	850	460	2100	2640	6000
1150/150	500	1500	500	270	530	1100	2130	1680	850	460	2400	2940	7200
1165/100	650	1000	650	270	530	1150	2330	1750	925	525	1900	2440	7000
1165/120	650	1200	650	270	530	1150	2330	1750	925	525	2100	2640	8500
1165/150	650	1500	650	315	530	1150	2330	1750	925	525	2400	3030	11000
1165/180	650	1800	650	345	530	1200	2380	1750	925	525	2700	3390	14000
1180/100	800	1000	800	270	600	1200	2600	1800	1005	610	1990	2530	10500
1180/120	800	1200	800	270	600	1200	2600	1800	1005	610	2200	2740	12500
1180/150	800	1500	800	375	600	1200	2600	1850	1005	610	2500	3250	14500
1180/180	800	1800	800	390	600	1200	2600	1850	1005	610	2800	3580	17000
1110/120	1000	1200	1000	390	700	1225	2925	1980	1080	680	2210	2990	17500
1110/150	1000	1500	1000	390	700	1225	2925	1980	1080	680	2510	3290	21000
1110/180	1000	1800	1000	390	700	1225	2925	1980	1080	680	2810	3590	25000
1112/120	1200	1200	1200	390	750	1325	3275	2030	1180	750	2290	3070	24500
1112/150	1200	1500	1200	390	850	1325	3375	2030	1180	750	2490	3270	29500
1112/180	1200	1800	1200	410	850	1325	3375	2080	1180	750	2800	3620	34500
1112/200	1200	2000	1200	410	850	1325	3375	2080	1180	750	3000	3820	38500
1114/100	1400	1000	1400	430	1000	1500	3900	2150	1350	900	2200	3060	29000
1114/120	1400	1200	1400	430	1000	1500	3900	2150	1350	900	2400	3260	34500
1114/160	1400	1600	1400	450	1050	1500	3950	2200	1350	900	2800	3700	43500
1114/200	1400	2000	1400	550	1100	1600	4100	2200	1350	900	3200	4300	50000
1114/250	1400	2500	1400	570	1250	1600	4250	2300	1350	900	3700	4840	62000
1116/120	1600	1200	1600	570	1350	1750	4700	2300	1520	1050	2600	3740	34500
1116/150	1600	1500	1600	570	1350	1800	4750	2300	1520	1050	2900	4040	42000
1116/180	1600	1800	1600	600	1400	1800	4800	2400	1520	1050	3200	4400	49000

Further sizes on demand.

All data concerning dimensions and ratings must be considered approximate. Modifications reserved.

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