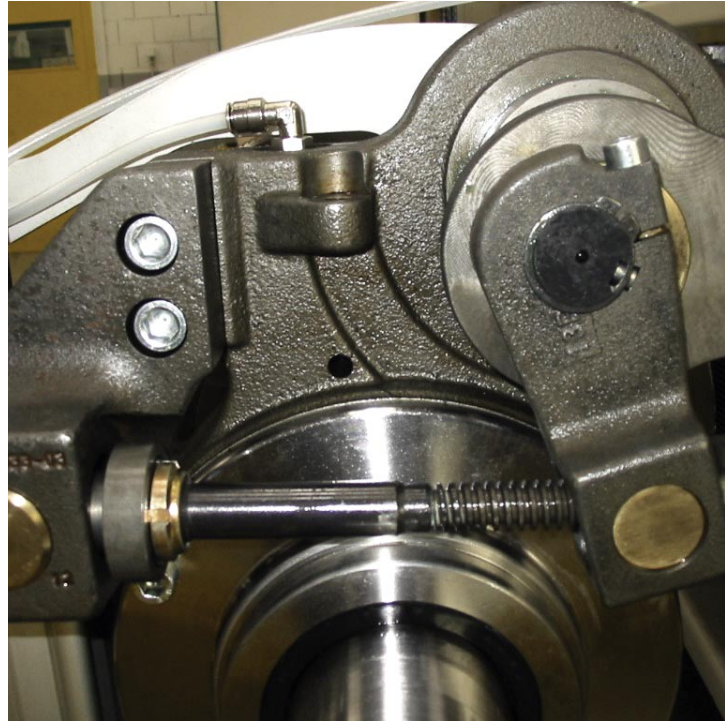


# Cracking Mill

OLCB



# High Capacity Crushing Unit OLCB.

## Modular concept.



Cracking Mill OLCB.

### Application

The primary application for the OLCB cracking mill is the deformation of the lipids bearing materials in oilseeds processing plants. The OLCB is also suitable for other grinding applications in various industries such as size reduction of cereals and grains.

### Working principle

The incoming material is fed uniformly by the feeder roll into the cracking roll nip. The throughput is controlled by adjusting the feeder gap. A pneumatic cylinder will automatically close the feeder gate if the feeder roll stops. The particle size is controlled by adjusting the gap between the cracking rolls. The roll gap can be adjusted by the roll setting mechanism. Depending on plant processing requirements, two or three units are stacked. The first roll pair pre-crushes the seeds, which are then gravity fed to the second and third roll pair where they are further cracked to the desired particle size.

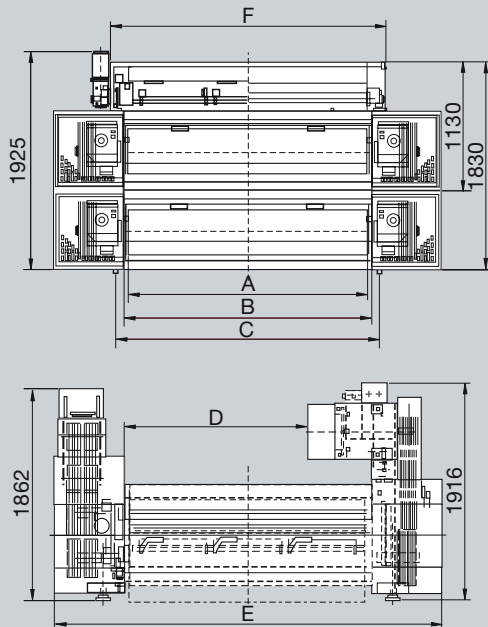
### Design and technical details

The OLCB cracking mill consists of feeder module combined with one, two or three complete roll units, each containing a roll pair module. The machine frames are of welded steel construction. A permanent magnet is incorporated in the feeder to remove ferrous particles and to protect the rolls. The roll gap in each roll unit is mechanically held in position and protected against overload by means

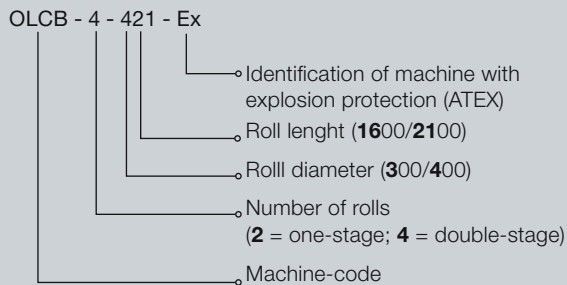
of spring dishes. The rolls are engaged and disengaged pneumatically using a lever mechanism. Each roll pair module can easily be removed from the unit frame for quick roll exchange or recorrugating. Power transmission from the motors to the rolls and between the rolls is performed with V-belt drives. One motor is required to drive one roll unit.

- Roll package for easy roll change
- Large rolls for high capacities
- Extended roll life time
- Automatic roll disengagement

# Crushes seeds to your needs. Compact and easy to maintain.



### Specification key



Type		316	416	421
Roll diameter	mm	300	400	400
Roll length	mm	1600	1600	2100
Roll pressure	kN	50	50	50
Drive motor (50Hz)	kW	22/37	22/37	22/37
Feeder Drive (50Hz)	kW	0.75	0.75	0.75

### Technical Data

Type	Dimension in mm						Weight			Volume Sea m <sup>3</sup>
	A	B	C	D	E	F	net kg	gross Rail kg	gross Sea kg	
OLCB-2-316	1600	1680	1822	1129	2920	1928	3690	4490	4590	6.9
OLCB-4-316							7040	7840	7940	10.8
OLCB-2-416							4370	5170	5270	6.9
OLCB-4-416							8400	9200	9300	10.8
Feeder 1600							340	380	480	0.6
OLCB-2-421	2100	2180	2322	1629	3420	2428	5590	6390	6490	8.1
OLCB-4-421							10740	11540	11640	12.7
Feeder 2100							440	480	580	0.7

