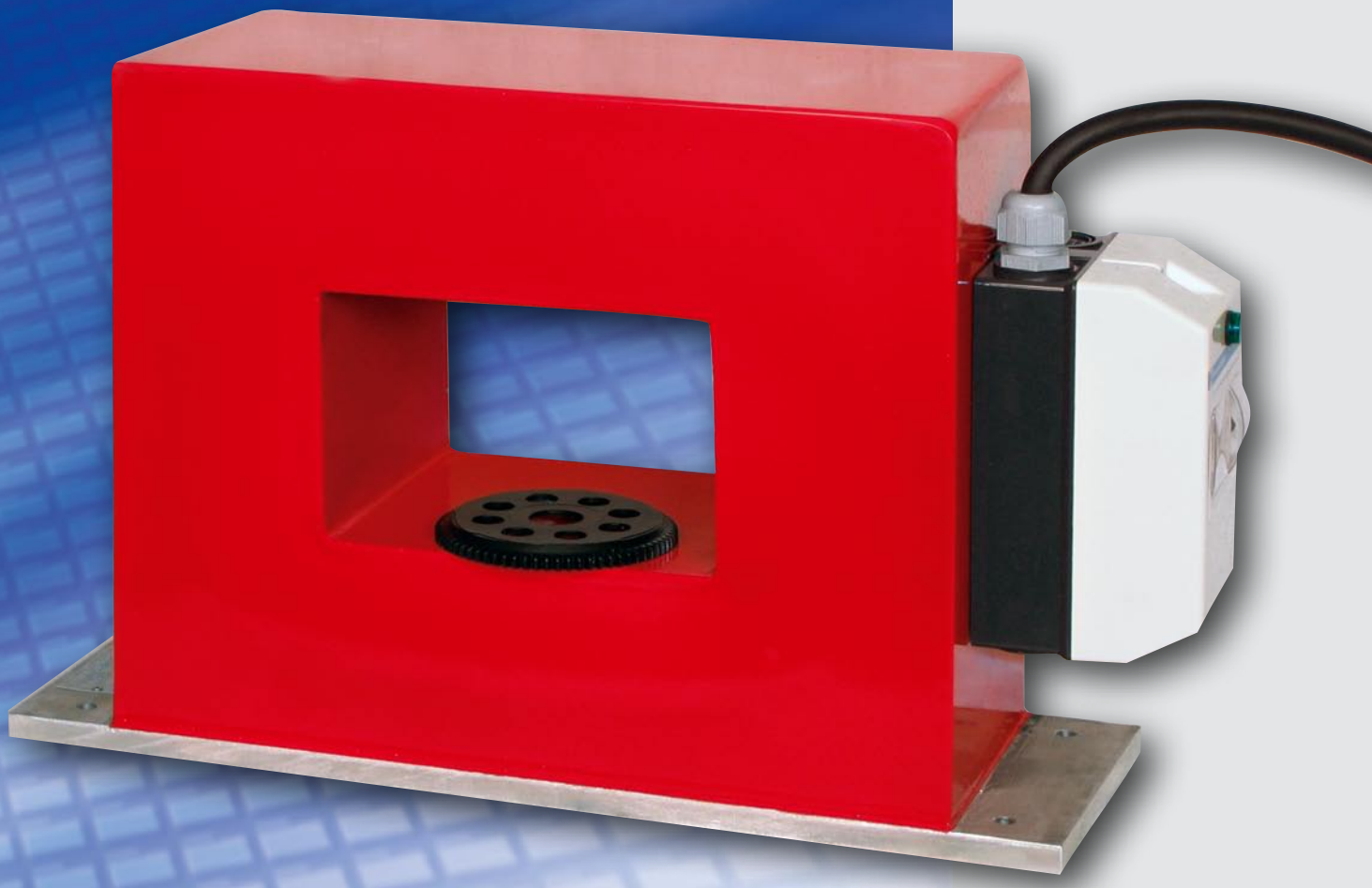
Loop Demagnetizers

MAURER Classic



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MAURER® MAGNETIC AG

Reliable loop demagnetizers for industrial use

CT series loop demagnetizers are durable devices based on proven technology. The magnetic parts are drawn slowly (~0.15 m/s) through the coil opening. The parts are demagnetized through removal along he coil axis. The bigger the coil, the greater the magnetic field limit. The material must completely pass outside this field.

These devices reliably demagnetize parts up to a thickness of 20 mm. When short parts are demagnetized, the penetration depth of the field is less than 10 mm. Hard magnetic materials are not demagnetized properly by these devices.

Characteristics

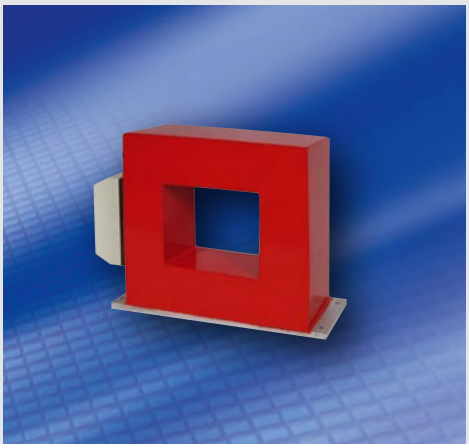
- **Sturdy, for shop floor use**
- **Versatile**
- **Particularly suitable for easily alloyed and oblong parts**

Coil module	CT1	CT2	CT3	CT4	CT5	CT6	CT7	CT8
Dimensions W x H x D [mm][1]	450x290x150	560x320x170	560x440x190	700x390x230	700x540x230	700x590x230	850x740x350	1050x740x350
Active opening W x D	150 x 100 mm	260 x 130 mm	250 x 250 mm	400 x 200 mm	400 x 350 mm	400 x 400 mm	550 x 550 mm	750 x 550 mm
Maximum field, peak[2]	25 kA/m	29 kA/m	20 kA/m	26 kA/m	18 kA/m	17 kA/m	11 kA/m	9 kA/m
Magnetic field limit[3]	500 mm	780 mm	1000 mm	1200 mm	1500 mm	1600 mm	2200 mm	2600 mm
Duty cycle	S1, 100 %, continuous operation	S1, 100 %, continuous operation	S1, 100 %, continuous operation	S1, 100 %, continuous operation	S1, 100 %, continuous operation	S1, 100 %, continuous operation	S1, 100 %, continuous operation	S1, 100 %, continuous operation
Weight	41 kg	62 kg	84 kg	110 kg	120 kg	130 kg	190 kg	230 kg
Connection	230 VAC 50 / 60 Hz 4.5 A	230 VAC 50 / 60 Hz 12 A	230 VAC 50 / 60 Hz 15 A	230 VAC 60 Hz 22 A	230 VAC 50 / 60 Hz 30.5 A	230 VAC 50 / 60 Hz 31 A	230 VAC 50 / 60 Hz 30 A	400 VAC 50 / 60 Hz 25 A
Protection class IP	54	54	54	54	54	54	54	54
Configuration	threaded	threaded	threaded	threaded	threaded	threaded	threaded	threaded

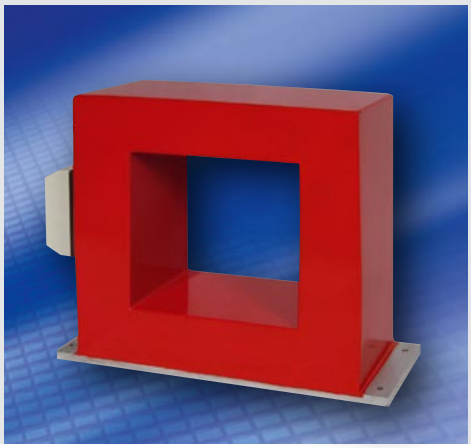
CE

[1] Approximate
[2] Divide by 1,41 to obtain RMS value
[3] Minimal distance for the removal of the part along the coil axis

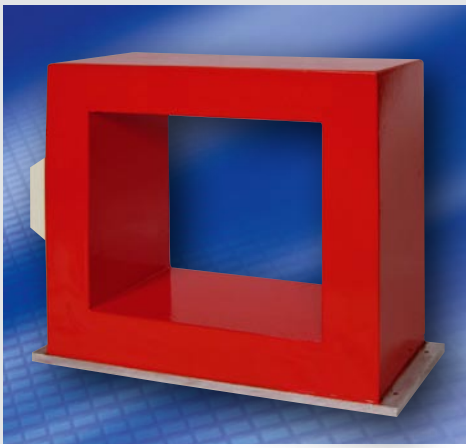
CT1



CT3



CT5



Magnetizing & Demagnetizing Technology

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