

<b>EDMAYR</b> ANTRIEBSTECHNIK	<b>Installation and Operating Instructions</b> for Brake Discs out of cast iron (spherulitic iron) <b>EN-GJS-500-7 (GGG-50)</b>			<b>E09.624e</b>	
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## IMPORTANT

Please read these instructions carefully before installing and operating the product. Your particular attention is drawn to the notes on safety.

These installation and operating instructions are valid on condition that the product meets the selection criteria for its proper use. Selection and design of the product is not the subject of these installation and operating instructions.

Disregarding or misinterpreting these installation and operating instructions invalidates any product liability or guarantee by EDMAYR; the same applies if the product is taken apart or changed.

These installation and operating instructions should be kept in a safe place and should accompany the product if it is passed on to others -either on its own or as part of a machine- to make it accessible to the user.

## SAFETY NOTICE

- Installation and operation of this product should only be carried out by skilled personnel.
- Repairs may only be carried out by the manufacturer or accredited agents.
- If a malfunction is indicated, the product or the machine into which it is installed, should be stopped immediately and either EDMAYR or an accredited EDMAYR agent should be informed.
- Switch off the power supply before commencing work on electrical components.
- Rotating machine elements must be protected by the purchaser to prevent accidental contact.
- Supplies abroad are subject to the safety laws prevailing in those countries.

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## 1. Purpose of Utilization and common hints

EDMAYR Brake discs are applied in combination with our brakes to hold and brake loads.

EDMAYR brake discs are manufactured out of spherulitic cast iron.

Materialdesignator: EN-GJS-500-7 as per DIN EN 1563 (GGG-50 according to DIN 1693).

Material number: EN-JS1050 as per DIN EN 1563 (0.7050 according to DIN 1693).

The permissible circumferential speed of the brake disc is 96m/s max..



### **Attention danger of life!**

**Under no circumstances, the brake disc may not operate at higher speed, due to potential hazard of explosion under affection of centrifugal force.**

Maximal permissible speed (rpm) for

Standard Brake discs according to catalog P46.

Outer diameter (mm)	Permissible speed (rpm)
125	14500
150	12100
200	9100
250	7300
300	6000
355	5100
430	4200
520	3500
630	2900
710	2600
800	2300
900	2000
1000	1800
1250	1450
1600	1150

## 2. Attachment instruction

The permissible eccentricity of the brake disc – in assembled condition – may not exceed 0,2 mm. In case of exceeding this eccentricity, vibrations can lead to the failure of the complete brake system.