

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

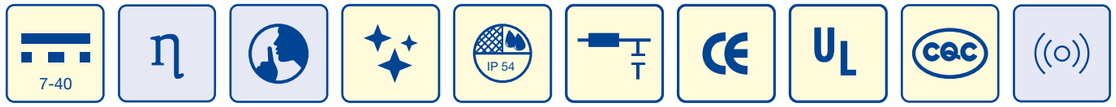
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

- » *Mechanical commutation through multi bar commutator provides long lifetime*
- » *Operation in both directions of rotation*
- » *Ball bearing at motor output shaft is standard*
- » *With optional cover IP 54 possible*
- » *Cutom shaft length and diameter, shaft on both sides, special winding, higher protection class up to IP 67 on request*

- » Mechanische Kommutierung über vielteiligen Kollektor bietet lange Lebensdauer
- » Drehrichtung Rechts-/ Linkslauf
- » Motorwelle abtriebsseitig kugelgelagert ist Standard
- » Mit optionaler Schutzhaube IP 54 möglich
- » Abweichende Wellenlängen und -durchmesser, beidseitige Welle, Sonderwicklung, höhere Schutzart bis IP 67 auf Anfrage





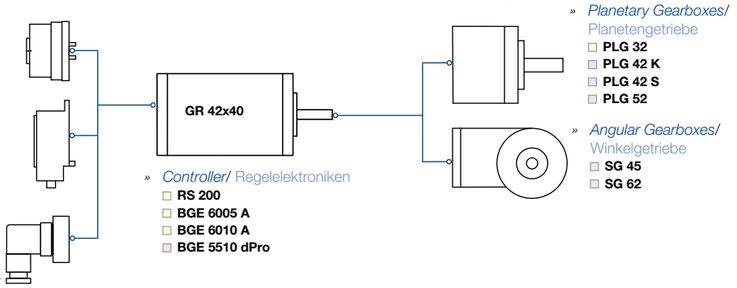
Supply voltage versions | *High efficiency* | *Low noise* | *Special surface* | *Protection class* | *Interference suppression optional* | *Certification* | *Certification* | *Certification (>36 V only)* | *Vibration resistance*

Data/ Technische Daten		GR 42x40		
Nominal voltage/ Nennspannung	VDC	12	24	40
Nominal current/ Nennstrom	A*)	2.7	1.2	0.8
Nominal torque/ Nennmoment	Nm*)	0.053	0.057	0.057
Nominal speed/ Nenndrehzahl	rpm*)	3750	3100	3400
Stall torque/ Anhaltemoment	Nm**)	0.319	0.33	0.356
Maximum torque/ Maximales Moment	Nm**)	0.319	0.33	0.356
No load speed/ Leerlaufdrehzahl	rpm*)	4550	3800	3950
Nominal output power/ Dauerabgabeleistung	W*)	20.8	18.5	20.3
Maximum output power/ Maximale Abgabeleistung	W**)	37.95	32.3	36.6
Torque constant/ Drehmomentkonstante	Nm A^{-1}***)	0.0247	0.0584	0.0913
Terminal Resistance/ Anschlusswiderstand	Ω	0.91	4.2	10.1
Terminal inductance/ Anschlussinduktivität	mH	1	5.1	15.7
Starting current/ Anlaufstrom	A**)	13.2	5.68	3.97
No load current/ Leerlaufstrom	A**)	0.44	0.18	0.12
Demagnetisation current/ Entmagnetisierungsstrom	A**)	≥ 24	≥ 10.5	≥ 6.3
Rotor inertia/ Rotor Trägheitsmoment	gcm^2	110	110	110
Weight of motor/ Motorgewicht	kg	0.49	0.49	0.49

*) $\Delta\vartheta_w$ = 100 K; **) ϑ_R = 20°C ***) *at nominal point*/ im Nennpunkt

Modular System/ Modulares Baukastensystem

Scan for existing Settings for external Controllers/ Scannen für Verfügbare Settings für externe Controller



» *Brakes*/ Bremsen
- **E 38**

» *Encoder*/ Geber
- **MG 2**
- **ME 52**
- **RE 20**
- **RE 30 (TI)**
- **RE 56 (TI)**

» *Hood*/ Haube
- **Cover IP54 / Schutzhaube IP54**

» *Controller*/ Regelelektroniken
- **RS 200**
- **BGE 6005 A**
- **BGE 6010 A**
- **BGE 5510 dPro**

» *Planetary Gearboxes*/ Planetengetriebe
- **PLG 32**
- **PLG 42 K**
- **PLG 42 S**
- **PLG 52**

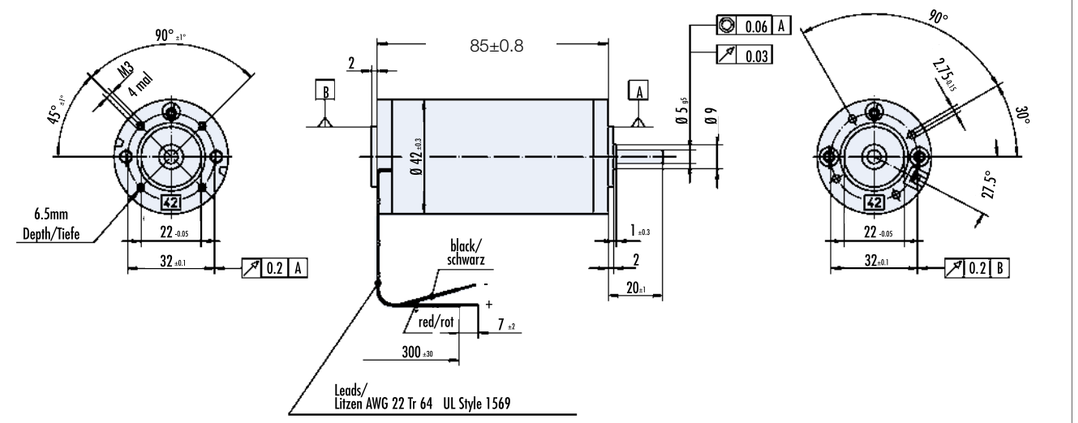
» *Angular Gearboxes*/ Winkelgetriebe
- **SG 45**
- **SG 62**

You can individually configure your suitable product and download technical data and drawings for the combination at www.dunkermotoren.com/en/configuration./ Unter www.dunkermotoren.de/konfigurator können Sie Ihr passendes Produkt individuell konfigurieren und technische Daten und Zeichnung für die Kombination herunterladen.

» GR 42x40 | cont. 21 W, peak 38 W

dunkermotoren AMETEK

Dimensions in mm/ Maßzeichnung in mm



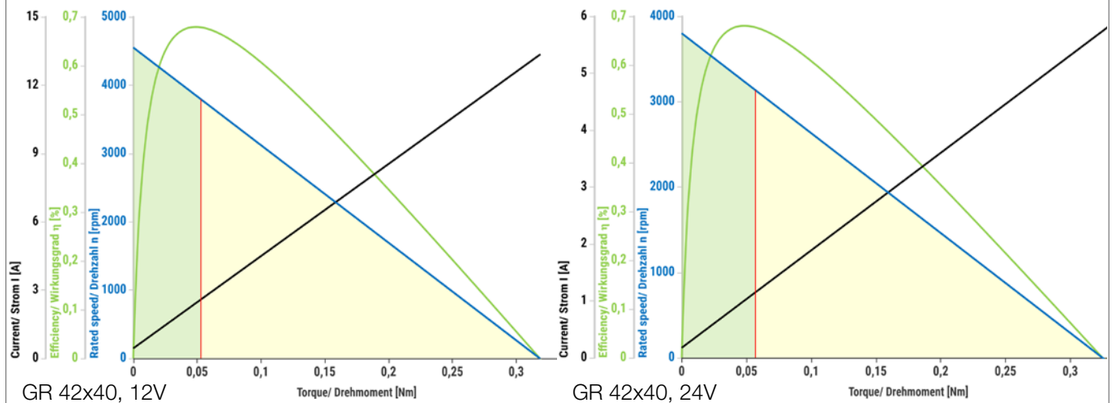
F_{axial} = max. 30N
F_{radial} = max. 60N (An Wellenende der 5x20 Welle)

Shaft/ Welle	
front/ vorne	*back*/ hinten
5 x 20 mm	-
5 x 45 mm	-
5 x 45 mm	5 x 45 mm

Characteristic diagram/ Belastungskennlinien

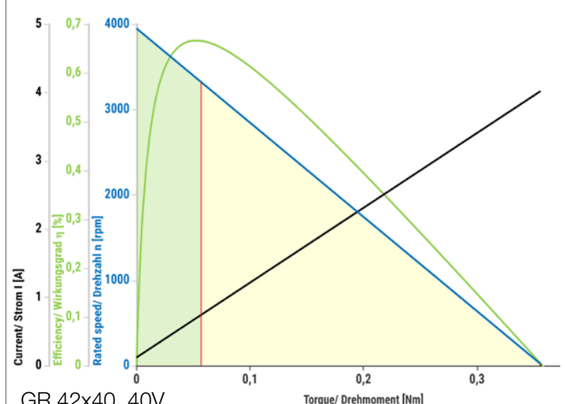
In accordance with/ Belastungskennlinien gezeichnet nach EN 60034

Continuous operation/ Dauerbetrieb | *Cyclical operation*/ Zykl. Betrieb — *Current torque*/ Strom-Drehmoment — *Speed torque*/ Drehzahl-Drehmoment — *Efficiency*/ Effizienz



GR 42x40, 12V

GR 42x40, 24V



GR 42x40, 40V

Preferred series/ Vorzugsreihe | *Standard product*/ Standardprodukt | *On request*/ auf Anfrage *See notes page 8/* Hinweise siehe S. 8

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP