

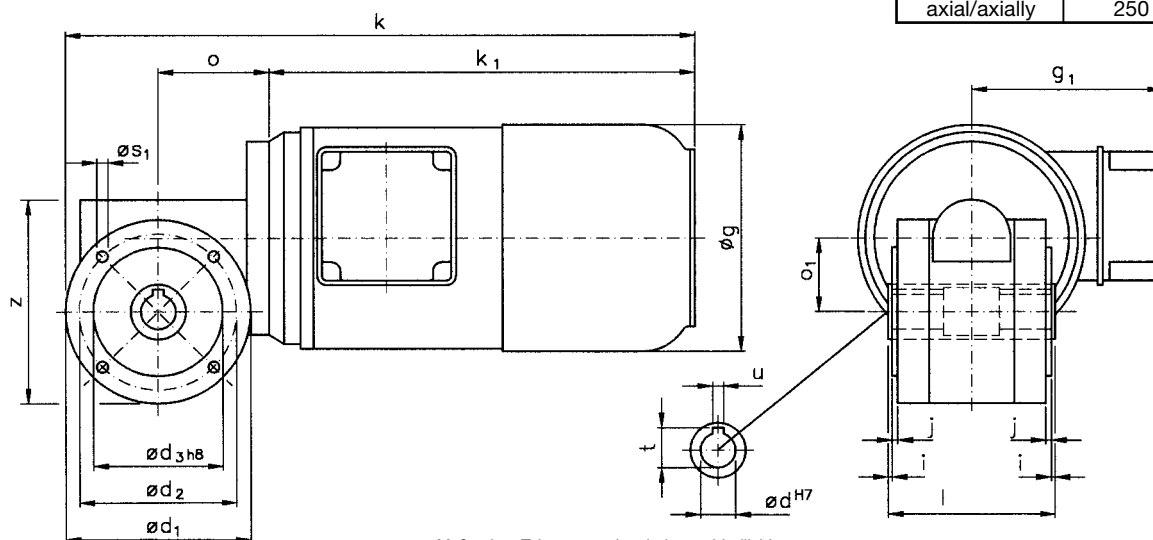


# Gleichstrom Schneckengetriebe-Motoren D C Worm gear drive motors

IP 44 (IP 54), Anker 180 V, Feld 200 V  
IP 44 (IP 54), armature 180 V, field 200 V

# Typ/Type SN 9 BFHG

Motor und Getriebe in Kugellagerung, Schnecken gehärtet und geschliffen, Schneckenräder aus Sonderbronze  
Ball bearings for motor and gear; worms hardened and ground; wormwheel made of special bronze alloy



| Belastbarkeit der Abtriebswelle<br>Loading capacity of the output shaft |       |
|-------------------------------------------------------------------------|-------|
| radial/radially                                                         | 500 N |
| axial/axially                                                           | 250 N |

Maße ohne Toleranzangabe sind unverbindlich!  
Dimensions without tolerances are not binding!

Auch möglich:  $\phi s_1 = M8$   
Also possible:  $\phi s_1 = M8$

Drehmomentstütze lieferbar!  
Torque support available!

Hohlwelle mittig 30 mm freigedreht!  
Hollow shaft centre-drilled 30 mm!

|         | Befestigungsmaße/Mounting dimensions |                 |                 |   |                  | Raummaße/Outline dimensions |                |     |                |    |                |     | Wellenmaße/Shaft dimensions |   |    |      |   |
|---------|--------------------------------------|-----------------|-----------------|---|------------------|-----------------------------|----------------|-----|----------------|----|----------------|-----|-----------------------------|---|----|------|---|
| Watt    | ød <sub>1</sub>                      | ød <sub>2</sub> | ød <sub>3</sub> | j | ø s <sub>1</sub> | ø g                         | g <sub>1</sub> | k   | k <sub>1</sub> | o  | o <sub>1</sub> | z   | ø d                         | i | l  | t    | u |
| 200/250 | 100                                  | 85              | 70              | 3 | M6               | 123                         | 103            | 340 | 230            | 60 | 40             | 111 | 19                          | 2 | 90 | 21,8 | 6 |
| 370     | 100                                  | 85              | 70              | 3 | M6               | 139                         | 103            | 363 | 253            | 60 | 40             | 111 | 19                          | 2 | 90 | 21,8 | 6 |

## Getriebedaten / Technical data of the gear

| Untersetzung i / Gear reduction i                   | 80 | 75 | 70 | 60 | 50 | 40 | 30 | 25 | 20 | 15 | 12 | 10 | 8  | 7  |
|-----------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| max. zul. Drehmoment / max. permissible torque (Nm) | 24 | 23 | 29 | 23 | 32 | 34 | 36 | 29 | 35 | 34 | 30 | 35 | 33 | 35 |

| Motordaten / Technical data of the motor               | 200 Watt, 3000 Upm/rpm |    |    |    |    |    |     |     |     |     |     |     |     |     | ca. 7,0 kg / Anker: 1,5 A / Feld: 0,2 A / approx. 7,0 kg / armature: 1,5 A / field: 0,2 A |  | Preis-Nr./Price no.: G 919 |  |
|--------------------------------------------------------|------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------------------------------------------------------------------------|--|----------------------------|--|
| Getriebedrehzahl (1/min) / Gear rotation speed (1/min) | 38                     | 40 | 43 | 50 | 60 | 75 | 100 | 120 | 150 | 200 | 250 | 300 | 375 | 444 |                                                                                           |  |                            |  |
| eff. Drehmoment / Eff. torque (Nm)                     | 17                     | 14 | 18 | 13 | 15 | 13 | 11  | 9,2 | 8,4 | 6,6 | 5,4 | 4,9 | 4,0 | 3,5 |                                                                                           |  |                            |  |

| Motordaten / Technical data of the motor               | 250 Watt, 3000 Upm/rpm |    |    |    |    |    |     |     |     |     |     |     |     |     | ca. 7,0 kg / Anker: 2,0 A / Feld: 0,2 A / approx. 7,0 kg / armature: 2,0 A / field: 0,2 A |  | Preis-Nr./Price no.: G 920 |  |
|--------------------------------------------------------|------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------------------------------------------------------------------------|--|----------------------------|--|
| Getriebedrehzahl (1/min) / Gear rotation speed (1/min) | 38                     | 40 | 43 | 50 | 60 | 75 | 100 | 120 | 150 | 200 | 250 | 300 | 375 | 444 |                                                                                           |  |                            |  |
| eff. Drehmoment / Eff. torque (Nm)                     | 21                     | 18 | 22 | 16 | 19 | 16 | 14  | 12  | 11  | 8,2 | 6,7 | 6,1 | 5,0 | 4,4 |                                                                                           |  |                            |  |

| Motordaten / Technical data of the motor               | 370 Watt, 3000 Upm/rpm |    |    |    |    |    |     |     |     |     |     |     |     |     | ca. 9,1 kg / Anker: 2,7 A / Feld: 0,2 A / approx. 9,1 kg / armature: 2,7 A / field: 0,2 A |  | Preis-Nr./Price no.: G 921 |  |
|--------------------------------------------------------|------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------------------------------------------------------------------------|--|----------------------------|--|
| Getriebedrehzahl (1/min) / Gear rotation speed (1/min) | 38                     | 40 | 43 | 50 | 60 | 75 | 100 | 120 | 150 | 200 | 250 | 300 | 375 | 444 |                                                                                           |  |                            |  |
| eff. Drehmoment / Eff. torque (Nm)                     | 31                     | 27 | 33 | 23 | 28 | 24 | 20  | 17  | 16  | 12  | 9,9 | 9,1 | 7,4 | 6,4 |                                                                                           |  |                            |  |

Nicht über max. zul. Drehmoment belasten! / Do not load above the max. permissible torque!

**Bitte machen Sie bei Ihrer Bestellung folgende Angaben:  
Please include the following specifications with your order:**

Klemmkastenstellung  
Terminal box position

**A**

**B**

**C**

**D**