



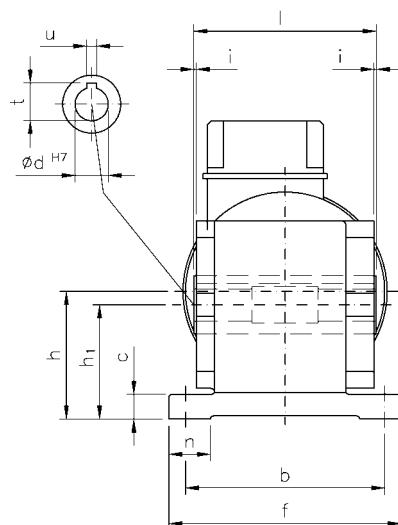
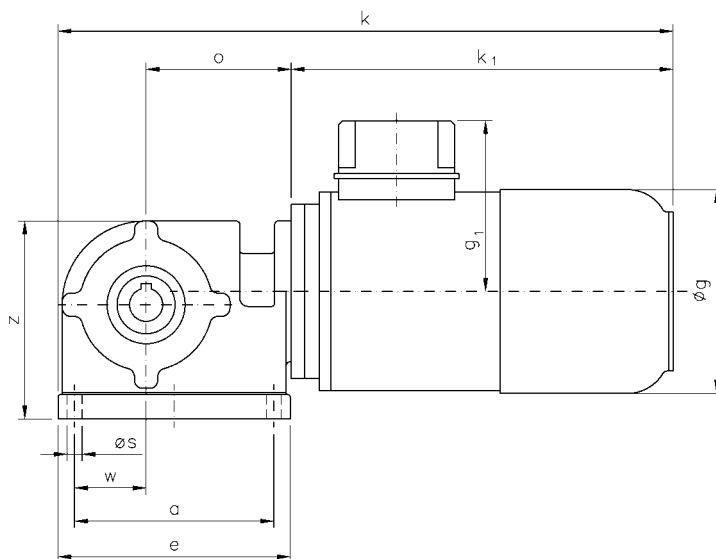
# Gleichstrom-Schnecken-Stirnradgetriebe-Motoren D C helical worm gear motors

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

# Typ/Type SN 13 HG

**Motor und Getriebe in Kugellagerung, 1. Stufe Schnecken- und 2. Stufe Stirnradsatz**  
**Ball bearing for motor and gear; 1st stage wormwheel and 2nd stage cylindrical gear set**

| Belastbarkeit der Abtriebswelle<br>Loading capacity of the output shaft |       |
|-------------------------------------------------------------------------|-------|
| radial/radially                                                         | 500 N |
| axial/axially                                                           | 200 N |



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

Andere Wellenmaße auf Anfrage!  
Other shaft dimensions on request!

Hohlwelle mittig 40 mm freigedreht!  
Hollow shaft centred-drilled 40 mm!

|         | Befestigungsmaße/Mounting dimensions |     |    |     |     |    |                |    |    |    | Raummaße/Outline dimensions |                |       |                |      |       |  | Wellenmaße/Shaft dimensions |     |     |      |   |  |  |
|---------|--------------------------------------|-----|----|-----|-----|----|----------------|----|----|----|-----------------------------|----------------|-------|----------------|------|-------|--|-----------------------------|-----|-----|------|---|--|--|
| Watt    | a                                    | b   | c  | e   | f   | h  | h <sub>1</sub> | n  | øs | w  | øg                          | g <sub>1</sub> | k     | k <sub>1</sub> | o    | z     |  | ød                          | i   | l   | t    | u |  |  |
| 200/250 | 120                                  | 120 | 15 | 140 | 140 | 77 | 69             | 25 | 9  | 43 | 123                         | 103            | 370,5 | 230            | 87,4 | 119,5 |  | 20                          | 1,5 | 110 | 22,8 | 6 |  |  |

## Getriebedaten / Technical data of the gear

| Untersetzung i / Gear reduction i                   | 428 | 319 | 217 | 182 | 171 | 137 | 114 | 97 | 86 | 65 | 40 | 29 | 20 |
|-----------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|
| max. zul. Drehmoment / max. permissible torque (Nm) | 62  | 69  | 70  | 70  | 70  | 70  | 70  | 70 | 70 | 70 | 70 | 70 | 69 |

| Motordaten / Technical data of the motor       | 200 Watt, 3000 Upm/rpm <small>Gew. ca. 8,1 kg, / Anker: 1,7 A / Feld: 0,15 A / approx. 8,1 kg / armature 1,7 A field 0,15 A</small> |     |    |    |    |    |    |    |    |    |    |     |     | Preis-Nr./Price no.: G 1309 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----|----|----|----|----|----|----|-----|-----|-----------------------------|
| Getriebedrehzahl / Gear rotation speed (1/min) | 7,0                                                                                                                                 | 9,4 | 14 | 16 | 18 | 22 | 26 | 31 | 35 | 46 | 75 | 103 | 150 |                             |
| eff. Drehmoment / Eff. torque (Nm)             | 72                                                                                                                                  | 66  | 62 | 57 | 51 | 46 | 41 | 39 | 34 | 27 | 19 | 14  | 10  |                             |

| Motordaten / Technical data of the motor       | 250 Watt, 3000 Upm/rpm <small>Gew. ca. 8,9 kg, / Anker: 1,8 A / Feld: 0,2 A / approx. 8,9 kg / armature 1,8 A / field 0,2 A</small> |     |    |    |    |    |    |    |    |    |    |     |     | Preis-Nr./Price no.: G 1310 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----|----|----|----|----|----|----|-----|-----|-----------------------------|
| Getriebedrehzahl / Gear rotation speed (1/min) | 7,0                                                                                                                                 | 9,4 | 14 | 16 | 18 | 22 | 26 | 31 | 35 | 46 | 75 | 103 | 150 |                             |
| eff. Drehmoment / Eff. torque (Nm)             | 90                                                                                                                                  | 82  | 77 | 72 | 63 | 57 | 52 | 48 | 42 | 34 | 23 | 17  | 13  |                             |

■ 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**