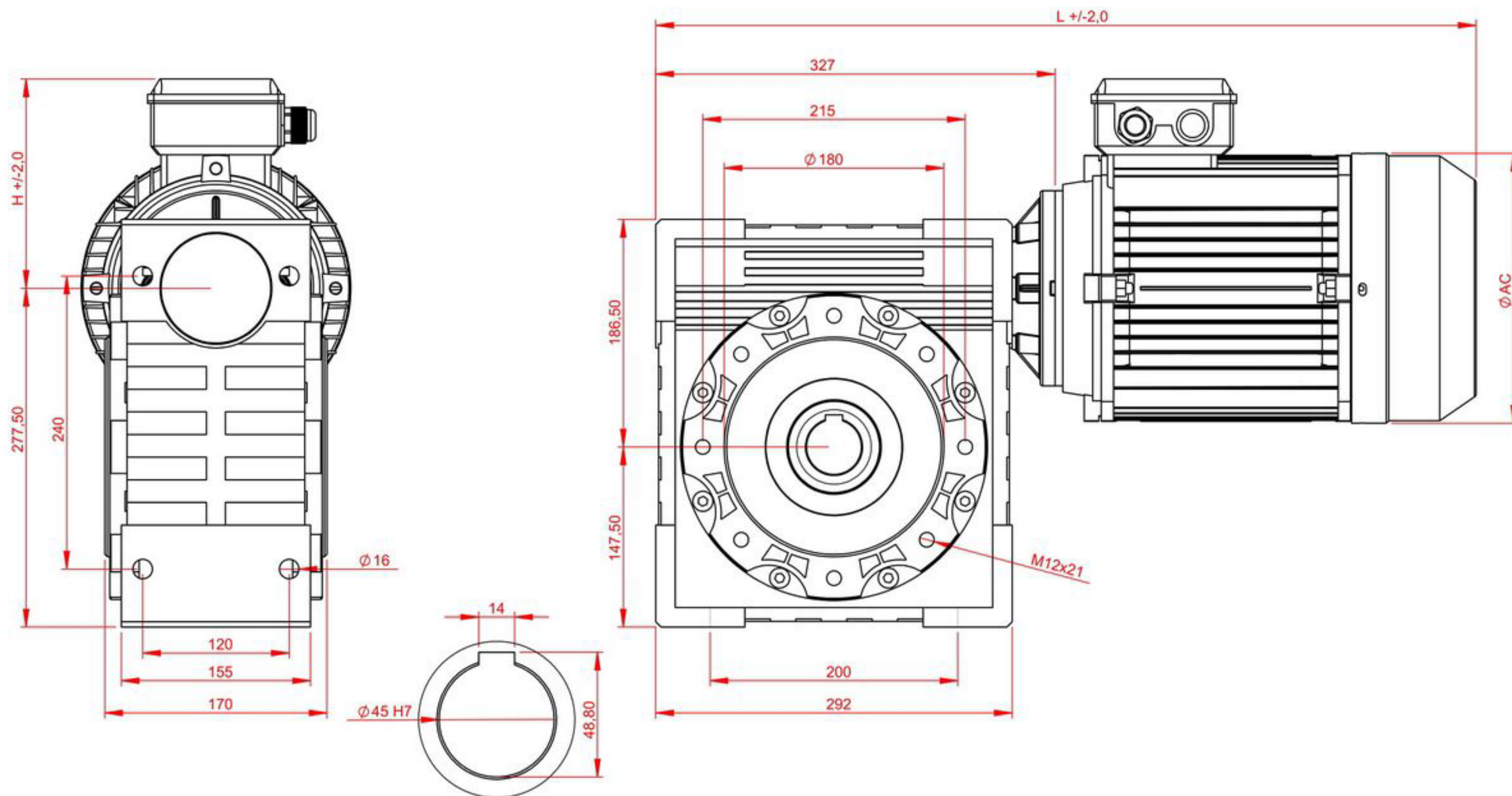
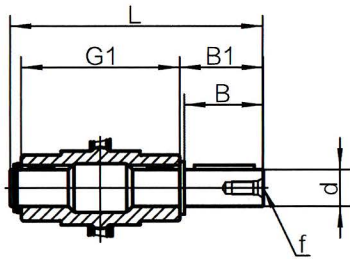


# CMRV 130 - Schneckengetriebemotor / Worm Gear Motor

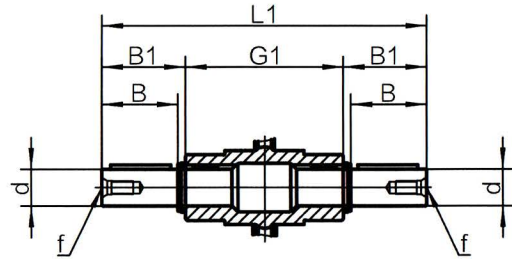
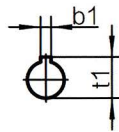


| Type                 | AC [mm] | H [mm] | L [mm] |
|----------------------|---------|--------|--------|
| CMRV130 - MX2/3 90S  | 185     | 160    | 597    |
| CMRV130 - MX2/3 90L  | 185     | 160    | 622    |
| CMRV130 - MX2/3 100  | 205     | 170    | 652    |
| CMRV130 - MX2/3 112  | 230     | 188    | 677    |
| CMRV130 - MX2/3 132S | 260     | 213    | 717    |
| CMRV130 - MX2/3 132M | 260     | 213    | 757    |

## Ausgangswellen | Output shafts



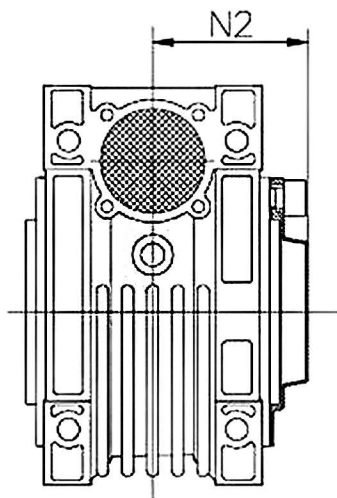
**DZ**



**SZ**

|     | d  | B  | B1   | G1  | L   | L1  | f   | b1 | t1   |
|-----|----|----|------|-----|-----|-----|-----|----|------|
| 025 | 11 | 23 | 25.5 | 50  | 81  | 101 | /   | 4  | 12.5 |
| 030 | 14 | 30 | 32.5 | 63  | 102 | 128 | M6  | 5  | 16   |
| 040 | 18 | 40 | 43   | 78  | 128 | 164 | M6  | 6  | 20.5 |
| 050 | 25 | 50 | 53.5 | 92  | 153 | 199 | M10 | 8  | 28   |
| 063 | 25 | 50 | 53.5 | 112 | 173 | 219 | M10 | 8  | 28   |
| 075 | 28 | 60 | 63.4 | 120 | 192 | 247 | M10 | 8  | 31   |
| 090 | 35 | 80 | 84.5 | 140 | 234 | 309 | M12 | 10 | 38   |
| 110 | 42 | 80 | 84.5 | 155 | 249 | 324 | M16 | 12 | 45   |
| 130 | 45 | 80 | 85   | 170 | 265 | 340 | M16 | 14 | 48.5 |
| 150 | 50 | 82 | 87   | 200 | 297 | 374 | M16 | 14 | 53.5 |

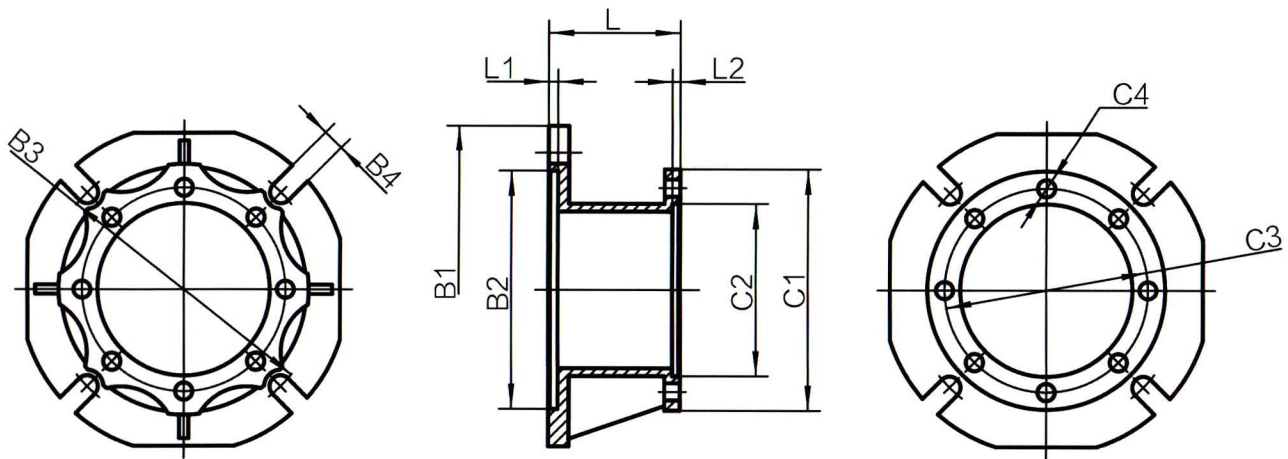
## Hohlwellenabdeckkappen | Hollow shaft cover cups



|     | N2   |
|-----|------|
| 030 | 42   |
| 040 | 50   |
| 050 | 57.5 |
| 063 | 68.5 |
| 075 | 73.5 |
| 090 | 85.5 |
| 105 | 94   |
| 110 | 94   |
| 130 | 102  |
| 150 | 117  |



## Ausgangsflansche | Output flanges



| FA  |     |     |     |         |      |    |     |     |     |     |        |
|-----|-----|-----|-----|---------|------|----|-----|-----|-----|-----|--------|
|     | B1  | B2  | B3  | B4      | L    | L1 | L2  | C1  | C2  | C3  | C4     |
| 025 | 75  | 40  | 55  | 4-φ 6.5 | 22.5 | 3  | 3   | 70  | 45  | 55  | 3-M6   |
| 030 | 80  | 50  | 68  | 4-φ 6.5 | 25.5 | 4  | 3   | 75  | 55  | 65  | 4-φ 7  |
| 040 | 110 | 60  | 75  | 4-φ 9   | 30.5 | 4  | 3.5 | 87  | 60  | 75  | 4-φ 7  |
| 050 | 125 | 70  | 85  | 4-φ 11  | 46.5 | 5  | 4   | 100 | 70  | 85  | 4-φ 9  |
| 063 | 180 | 115 | 150 | 4-φ 11  | 29   | 6  | /   | 110 | 80  | 95  | 8-φ 9  |
| 075 | 200 | 130 | 165 | 4-φ 14  | 54   | 6  | /   | 140 | 95  | 115 | 8-φ 9  |
| 090 | 210 | 152 | 175 | 4-φ 14  | 44   | 6  | /   | 160 | 110 | 130 | 8-φ 11 |
| 110 | 280 | 170 | 230 | 8-φ 14  | 57   | 6  | /   | 200 | 130 | 165 | 8-φ 11 |
| 130 | 320 | 180 | 255 | 8-φ 16  | 59   | 6  | 5   | 250 | 160 | 215 | 8-φ 14 |
| 150 | 320 | 180 | 255 | 8-φ 16  | 59   | 6  | 5   | 250 | 160 | 215 | 8-φ 14 |

| FB  |     |     |     |        |      |    |     |     |     |     |        |
|-----|-----|-----|-----|--------|------|----|-----|-----|-----|-----|--------|
|     | B1  | B2  | B3  | B4     | L    | L1 | L2  | C1  | C2  | C3  | C4     |
| 040 | 110 | 60  | 75  | 4-φ 9  | 60.5 | 4  | 3.5 | 87  | 60  | 75  | 4-φ 7  |
| 050 | 125 | 70  | 85  | 4-φ 11 | 76.5 | 5  | 4   | 100 | 70  | 85  | 4-φ 9  |
| 063 | 180 | 115 | 150 | 4-φ 11 | 59   | 6  | /   | 110 | 80  | 95  | 8-φ 9  |
| 075 | 160 | 110 | 130 | 4-φ 11 | 33   | 6  | /   | 140 | 95  | 115 | 4-φ 9  |
| 090 | 250 | 180 | 215 | 4-φ 14 | 55   | 6  | /   | 160 | 110 | 130 | 8-φ 11 |
| 110 | 280 | 170 | 230 | 8-φ 14 | 106  | 6  | /   | 200 | 130 | 165 | 8-φ 11 |

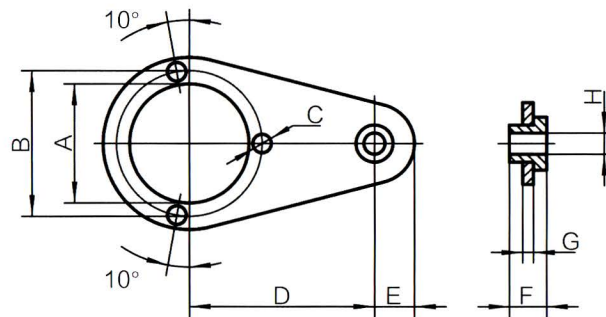
| FC  |     |     |     |         |      |    |    |     |     |     |        |
|-----|-----|-----|-----|---------|------|----|----|-----|-----|-----|--------|
|     | B1  | B2  | B3  | B4      | L    | L1 | L2 | C1  | C2  | C3  | C4     |
| 040 | 140 | 95  | 115 | 4-φ 9.5 | 43.5 | 5  | /  | 87  | 60  | 75  | 4-φ 7  |
| 050 | 160 | 110 | 130 | 4-φ 11  | 43.5 | 5  | /  | 100 | 70  | 85  | 4-φ 9  |
| 063 | 200 | 130 | 165 | 4-φ 11  | 45   | 5  | /  | 110 | 80  | 95  | 8-φ 9  |
| 090 | 200 | 130 | 165 | 4-φ 11  | 43   | 6  | /  | 160 | 110 | 130 | 8-φ 11 |

| FD  |     |     |     |        |      |    |    |     |     |     |        |
|-----|-----|-----|-----|--------|------|----|----|-----|-----|-----|--------|
|     | B1  | B2  | B3  | B4     | L    | L1 | L2 | C1  | C2  | C3  | C4     |
| 040 | 120 | 80  | 100 | 4-φ 9  | 22   | 5  | /  | 87  | 60  | 75  | 4-φ 7  |
| 050 | 140 | 95  | 115 | 4-φ 11 | 28.5 | 5  | /  | 100 | 70  | 85  | 4-φ 9  |
| 063 | 200 | 130 | 165 | 4-φ 11 | 54   | 5  | /  | 110 | 80  | 95  | 8-φ 9  |
| 090 | 210 | 152 | 175 | 4-φ 14 | 84   | 6  | /  | 160 | 110 | 130 | 8-φ 11 |

## Drehmomentstütze | Torque arms

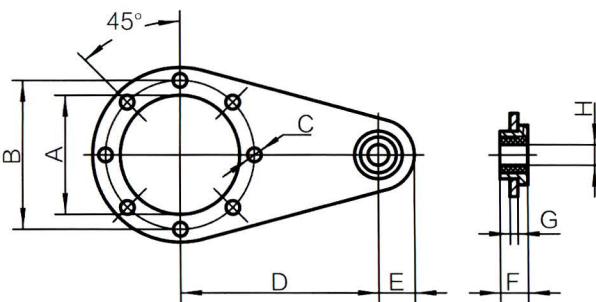
FCN 25



Ohne Vibrationsdämpfung

Without vibration-dampening

FCN 030 ÷ 150



Mit Vibrationsdämpfung (Ausser 30\*)

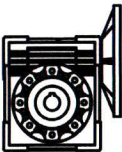
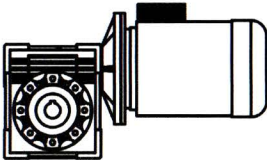
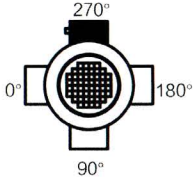
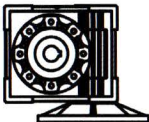
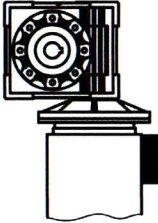
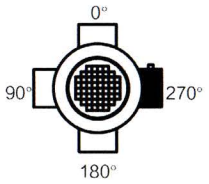
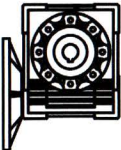
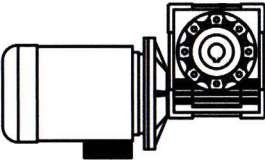
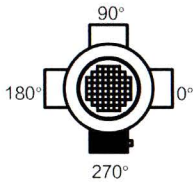
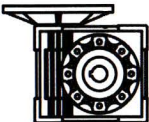
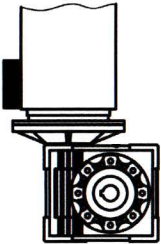
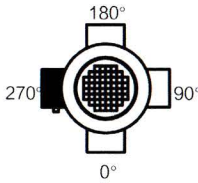
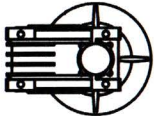
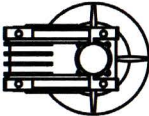
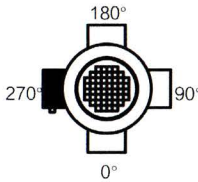
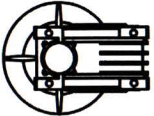
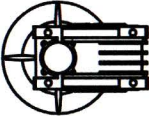
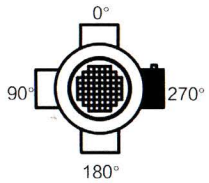
With vibration-dampening (except 30\*)

|     | A   | B   | C  | D   | E  | F  | G | H  |
|-----|-----|-----|----|-----|----|----|---|----|
| 025 | 45  | 55  | 7  | 70  | 15 | 14 | 4 | 8  |
| 030 | 55  | 65  | 7  | 85  | 15 | 14 | 4 | 8  |
| 040 | 60  | 75  | 7  | 100 | 18 | 14 | 4 | 10 |
| 050 | 70  | 85  | 9  | 100 | 18 | 14 | 4 | 10 |
| 063 | 80  | 95  | 9  | 150 | 20 | 14 | 6 | 10 |
| 075 | 95  | 115 | 9  | 200 | 30 | 25 | 6 | 20 |
| 090 | 110 | 130 | 11 | 200 | 30 | 25 | 6 | 20 |
| 110 | 130 | 165 | 11 | 250 | 35 | 30 | 6 | 25 |
| 130 | 180 | 215 | 13 | 250 | 35 | 30 | 6 | 25 |
| 150 | 180 | 215 | 13 | 250 | 35 | 30 | 6 | 25 |



# Einbaulage der Schneckengetriebe

## Mounting positions of worm reducer

|    |                                                                                     |                                                                                     |                                                                                       |
|----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| M1 |    |    |    |
| M2 |    |    |    |
| M3 |   |   |   |
| M4 |  |  |  |
| M5 |  |  |  |
| M6 |  |  |  |

Technische Änderungen unter Vorbehalt. / Technical changes under reserve.

## Schmieröle | Lubricants

Vom Hersteller empfohlene Schmieröle | Manufacturer's recommended lubricant

|                   | FCN 110 ÷ 150             | FCN 025 ÷ 090<br>PC63 ÷ 90 |
|-------------------|---------------------------|----------------------------|
| Lubricant         | Mineral oil               | Synthetic oil              |
| T° C<br>ISO VG... | (-5) ÷ (+40)<br>ISO VG460 | (-25) ÷ (+50)<br>ISO VG320 |
| AGIP              | BLASIA<br>460             | TELIUM<br>VSF320           |
| SHELL             | OMALA<br>OIL460           | TIVELA OIL<br>S320         |
| ESSO              | SPARTAN<br>EP460          | S220                       |
| MOBIL             | MOBIL<br>SHC634           | MOBIL<br>SHC632            |
| CASTROL           | ALPHA MAX<br>460          | ALPHASYN<br>PG320          |
| BP                | ENERGOL<br>GR-XP460       | ENERGOL<br>SG-XP320        |

Öl Mengen (Liter) | Oil capacities (liter)

| CMRV | 025  | 030  | 040  | 050  | 063 | 075  | 090 | 110 | 130 | 150 |
|------|------|------|------|------|-----|------|-----|-----|-----|-----|
| M1   | 0.02 | 0.04 | 0.08 | 0.15 | 0.3 | 0.55 | 1   | 3   | 4.5 | 7   |
| M2   |      |      |      |      |     |      |     | 2.2 | 3.3 | 5.1 |
| M3   |      |      |      |      |     |      |     | 2.2 | 3.3 | 5.1 |
| M4   |      |      |      |      |     |      |     | 3   | 4.5 | 7   |
| M5   |      |      |      |      |     |      |     | 2.5 | 3.5 | 5.4 |
| M6   |      |      |      |      |     |      |     | 2.5 | 3.5 | 5.4 |

| CMRV-PC | 063  | 071  | 080  | 090  |
|---------|------|------|------|------|
| M1      | 0.05 | 0.07 | 0.15 | 0.16 |
| M2      |      |      |      |      |
| M3      |      |      |      |      |
| M4      |      |      |      |      |
| M5      |      |      |      |      |
| M6      |      |      |      |      |

Technische Änderungen unter Vorbehalt. / Technical changes under reserve.