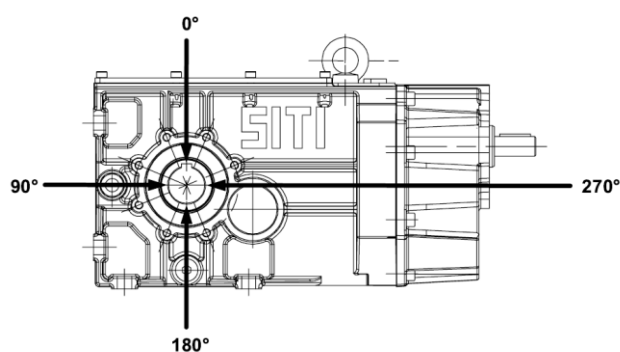
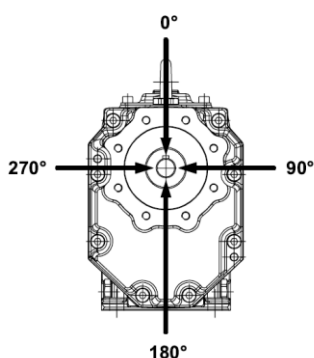
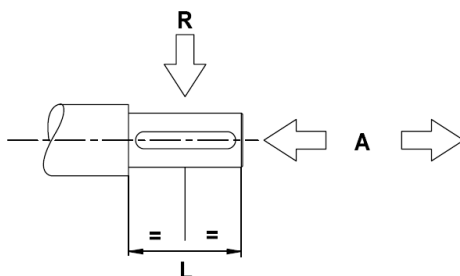


## Радialные и осевые нагрузки мотор-редукторов серии MBH

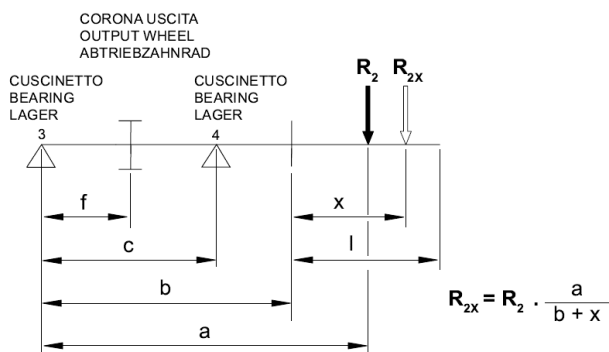


ALBERO USCITA

OUTPUT SHAFT

ABTRIEBSWELLE

| Grandezza<br>Size<br>Groesse | Con cuscinetti a rulli conici<br>With taper roller bearings<br>Mit Kegelrollenlager |       |     |     |       | Con cuscinetti radiali<br>With radial bearings<br>Mit Radiallager |       |     |     |      |
|------------------------------|-------------------------------------------------------------------------------------|-------|-----|-----|-------|-------------------------------------------------------------------|-------|-----|-----|------|
|                              | a                                                                                   | b     | l   | c   | f     | a                                                                 | b     | l   | c   | f    |
| 63                           | 129,5                                                                               | 99,5  | 60  | 59  | 41    | 141                                                               | 111   | 60  | 82  | 52,5 |
| 80                           | 179                                                                                 | 134   | 90  | 88  | 65    | 193,5                                                             | 148,5 | 90  | 117 | 79,5 |
| 100                          | 210,5                                                                               | 160,5 | 100 | 111 | 78    | 225                                                               | 175   | 100 | 145 | 95   |
| 125                          | 239                                                                                 | 179   | 120 | 118 | 88    | 260                                                               | 200   | 120 | 160 | 109  |
| 140                          | 304                                                                                 | 234   | 140 | 168 | 125   |                                                                   |       |     |     |      |
| 160                          | 360                                                                                 | 275   | 170 | 200 | 144   |                                                                   |       |     |     |      |
| 180                          | 397                                                                                 | 292   | 210 | 214 | 149,5 |                                                                   |       |     |     |      |
| 200                          | 421,5                                                                               | 316,5 | 210 | 233 | 167   |                                                                   |       |     |     |      |



### BH 63

CARICO SU ALBERO DI ENTRATA (1400 giri/min)

LOAD ON INPUT SHAFT (1400 rpm)

BELASTUNG AUF DER EINGANGSWELLE (1400 Upm)

| i      | R <sub>1</sub> (N) |      |      |      |
|--------|--------------------|------|------|------|
|        | 0°                 | 90°  | 180° | 270° |
| 7,75   | 2100               | 1800 | 1800 | 2100 |
| 9,05   | 2100               | 1800 | 1800 | 2100 |
| 10,61  | 2100               | 1800 | 1800 | 2100 |
| 12,10  | 2100               | 1800 | 1800 | 2100 |
| 14,13  | 2100               | 1800 | 1800 | 2100 |
| 16,56  | 2100               | 1800 | 1800 | 2100 |
| 19,54  | 2100               | 1800 | 1800 | 2100 |
| 22,24  | 2100               | 1800 | 1800 | 2100 |
| 33,86  | 2100               | 1800 | 1800 | 2100 |
| 40,77  | 2100               | 1800 | 1800 | 2100 |
| 44,17  | 2100               | 1800 | 1800 | 2100 |
| 52,76  | 2100               | 1800 | 1800 | 2100 |
| 79,96  | 2100               | 1800 | 1800 | 2100 |
| 91,45  | 2100               | 1800 | 1800 | 2100 |
| 96,83  | 2100               | 1800 | 1800 | 2100 |
| 106,00 | 2100               | 1800 | 1800 | 2100 |
| 125,03 | 2100               | 1800 | 1800 | 2100 |
| 149,36 | 2100               | 1800 | 1800 | 2100 |
| 167,83 | 2100               | 1800 | 1800 | 2100 |
| 188,44 | 2100               | 1800 | 1800 | 2100 |

### BH 80

CARICO SU ALBERO DI ENTRATA (1400 giri/min)

LOAD ON INPUT SHAFT (1400 rpm)

BELASTUNG AUF DER EINGANGSWELLE (1400 Upm)

| i      | R <sub>1</sub> (N) |      |      |      |
|--------|--------------------|------|------|------|
|        | 0°                 | 90°  | 180° | 270° |
| 7,62   | 2000               | 1500 | 1500 | 2200 |
| 8,89   | 1500               | 900  | 900  | 1500 |
| 10,42  | 1500               | 900  | 900  | 1500 |
| 12,43  | 2000               | 1500 | 1500 | 2200 |
| 14,51  | 1500               | 900  | 900  | 1500 |
| 17,01  | 1400               | 700  | 700  | 2000 |
| 22,84  | 1800               | 1500 | 1500 | 2200 |
| 26,17  | 1800               | 1200 | 1200 | 2200 |
| 30,24  | 1800               | 1200 | 1200 | 2200 |
| 35,33  | 1800               | 1400 | 1400 | 2400 |
| 39,59  | 1800               | 1400 | 1400 | 2400 |
| 47,38  | 1800               | 1400 | 1400 | 2400 |
| 54,19  | 1800               | 1400 | 1400 | 2400 |
| 62,81  | 1800               | 1400 | 1400 | 2400 |
| 74,09  | 1800               | 1400 | 1400 | 2400 |
| 99,45  | 1800               | 1400 | 1400 | 2400 |
| 128,42 | 1800               | 1400 | 1400 | 2400 |
| 153,41 | 1800               | 1400 | 1400 | 2400 |
| 172,39 | 1800               | 1400 | 1400 | 2400 |
| 193,56 | 1800               | 1400 | 1400 | 2400 |

Le forze sono espresse in Newton.

Force expressed in Newton.

In Newton ausgedrückte Kraftwerte.

CARICO SU ALBERO DI USCITA

LOAD ON OUTPUT SHAFT

BELASTUNG AUF DER AUSGANGSWELLE

| i      | R <sub>2</sub> (N)                                                        |       |       |       |                                                      |      |      |      |
|--------|---------------------------------------------------------------------------|-------|-------|-------|------------------------------------------------------|------|------|------|
|        | Cuscinetti a rulli conici*<br>Taper roller bearings*<br>Kegelrollenlager* |       |       |       | Cuscinetti radiali<br>Radial bearings<br>Radiallager |      |      |      |
|        | 0°                                                                        | 90°   | 180°  | 270°  | 0°                                                   | 90°  | 180° | 270° |
| 7,75   | 6500                                                                      | 8000  | 6500  | 7000  | 1200                                                 | 2400 | 3500 | 2000 |
| 9,05   | 7000                                                                      | 8000  | 6500  | 7000  | 1200                                                 | 2400 | 3500 | 2000 |
| 10,61  | 7500                                                                      | 8500  | 7000  | 7500  | 1200                                                 | 2600 | 3500 | 2200 |
| 12,10  | 7500                                                                      | 8500  | 7000  | 7500  | 1200                                                 | 2600 | 3500 | 2200 |
| 14,13  | 8000                                                                      | 9000  | 7500  | 8000  | 1200                                                 | 2400 | 4000 | 2200 |
| 16,56  | 8000                                                                      | 9000  | 7500  | 8000  | 1500                                                 | 2700 | 4000 | 2500 |
| 19,54  | 8500                                                                      | 9500  | 8000  | 8500  | 1500                                                 | 2700 | 4000 | 2500 |
| 22,24  | 8500                                                                      | 9500  | 8000  | 8500  | 1500                                                 | 2700 | 4000 | 2500 |
| 33,86  | 9000                                                                      | 10000 | 8500  | 9000  | 1600                                                 | 3200 | 4000 | 3000 |
| 40,77  | 10000                                                                     | 11000 | 9500  | 10000 | 2500                                                 | 3600 | 4500 | 3500 |
| 44,17  | 10000                                                                     | 11000 | 9500  | 10000 | 2500                                                 | 3600 | 4500 | 3500 |
| 52,76  | 11000                                                                     | 11000 | 11000 | 11000 | 2600                                                 | 3800 | 4500 | 3900 |
| 79,96  | 11000                                                                     | 11000 | 11000 | 11000 | 2600                                                 | 3800 | 4500 | 3900 |
| 91,45  | 11000                                                                     | 11000 | 11000 | 11000 | 3000                                                 | 4000 | 4500 | 4000 |
| 96,83  | 11000                                                                     | 11000 | 11000 | 11000 | 3200                                                 | 4000 | 4500 | 4000 |
| 106,00 | 11000                                                                     | 11000 | 11000 | 11000 | 3500                                                 | 4000 | 4500 | 4000 |
| 125,30 | 11000                                                                     | 11000 | 11000 | 11000 | 3800                                                 | 4000 | 4500 | 4000 |
| 149,36 | 11000                                                                     | 11000 | 11000 | 11000 | 4000                                                 | 4000 | 4500 | 4000 |
| 167,83 | 11000                                                                     | 11000 | 11000 | 11000 | 4000                                                 | 4000 | 4500 | 4000 |
| 188,44 | 11000                                                                     | 11000 | 11000 | 11000 | 4000                                                 | 4000 | 4500 | 4000 |

Le forze sono espresse in Newton.

Force expressed in Newton.

Zulässige Radialbelastung in Newton.

CARICO SU ALBERO DI USCITA

LOAD ON OUTPUT SHAFT

BELASTUNG AUF DER AUSGANGSWELLE

| i      | R <sub>2</sub> (N)                                                        |       |       |       |                                                      |       |       |      |
|--------|---------------------------------------------------------------------------|-------|-------|-------|------------------------------------------------------|-------|-------|------|
|        | Cuscinetti a rulli conici*<br>Taper roller bearings*<br>Kegelrollenlager* |       |       |       | Cuscinetti radiali<br>Radial bearings<br>Radiallager |       |       |      |
|        | 0°                                                                        | 90°   | 180°  | 270°  | 0°                                                   | 90°   | 180°  | 270° |
| 7,62   | 10000                                                                     | 12000 | 13000 | 11000 | 1500                                                 | 4000  | 5000  | 2000 |
| 8,89   | 10000                                                                     | 12000 | 13000 | 11000 | 1300                                                 | 4000  | 5000  | 1700 |
| 10,42  | 10000                                                                     | 12000 | 13000 | 11000 | 1500                                                 | 4000  | 5000  | 2000 |
| 12,43  | 11000                                                                     | 14000 | 16000 | 12000 | 1300                                                 | 4000  | 5000  | 1800 |
| 14,51  | 11000                                                                     | 14000 | 16000 | 12000 | 1200                                                 | 4000  | 6000  | 1500 |
| 17,01  | 12000                                                                     | 16000 | 18000 | 14000 | 1300                                                 | 5000  | 6000  | 1800 |
| 22,84  | 14000                                                                     | 17000 | 18000 | 15000 | 1300                                                 | 5000  | 6000  | 1800 |
| 26,17  | 14000                                                                     | 17000 | 18000 | 15000 | 1500                                                 | 6000  | 7000  | 2500 |
| 30,24  | 14000                                                                     | 17000 | 18000 | 15000 | 1500                                                 | 6000  | 7000  | 2500 |
| 35,33  | 15000                                                                     | 18000 | 18000 | 16000 | 1500                                                 | 6000  | 7000  | 2500 |
| 39,59  | 16000                                                                     | 18000 | 18000 | 17000 | 2100                                                 | 7000  | 8000  | 3200 |
| 47,38  | 18000                                                                     | 18000 | 18000 | 18000 | 2700                                                 | 8000  | 9000  | 3800 |
| 54,19  | 18000                                                                     | 18000 | 18000 | 18000 | 2700                                                 | 8000  | 9000  | 3800 |
| 62,81  | 18000                                                                     | 18000 | 18000 | 18000 | 3500                                                 | 9000  | 10000 | 4000 |
| 74,09  | 18000                                                                     | 18000 | 18000 | 18000 | 4000                                                 | 9000  | 10000 | 4000 |
| 99,45  | 18000                                                                     | 18000 | 18000 | 18000 | 5000                                                 | 10000 | 12000 | 6000 |
| 128,44 | 18000                                                                     | 18000 | 18000 | 18000 | 6000                                                 | 11000 | 14000 | 7500 |
| 153,41 | 18000                                                                     | 18000 | 18000 | 18000 | 7000                                                 | 12500 | 15000 | 8000 |
| 172,39 | 18000                                                                     | 18000 | 18000 | 18000 | 7000                                                 | 12500 | 15000 | 8000 |
| 193,56 | 18000                                                                     | 18000 | 18000 | 18000 | 7000                                                 | 12500 | 15000 | 8000 |

## BH 100

CARICO SU ALBERO DI ENTRATA (1400 giri/min)

LOAD ON INPUT SHAFT (1400 rpm)

BELASTUNG AUF DER EINGANGSWELLE (1400 Upm)

| i      | R <sub>1</sub> (N) |      |      |      |
|--------|--------------------|------|------|------|
|        | 0°                 | 90°  | 180° | 270° |
| 6,95   | 4000               | 4000 | 4000 | 4000 |
| 7,96   | 4000               | 4000 | 4000 | 4000 |
| 9,38   | 4000               | 4000 | 4000 | 4000 |
| 11,32  | 4000               | 4000 | 4000 | 4000 |
| 13,33  | 4000               | 4000 | 4000 | 4000 |
| 15,76  | 4000               | 4000 | 4000 | 4000 |
| 18,75  | 4000               | 4000 | 4000 | 4000 |
| 22,52  | 4000               | 4000 | 4000 | 4000 |
| 25,63  | 4000               | 4000 | 4000 | 4000 |
| 29,40  | 4000               | 4000 | 4000 | 4000 |
| 34,05  | 4000               | 4000 | 4000 | 4000 |
| 39,95  | 4000               | 4000 | 4000 | 4000 |
| 47,66  | 4000               | 4000 | 4000 | 4000 |
| 52,47  | 4000               | 4000 | 4000 | 4000 |
| 65,00  | 4000               | 4000 | 4000 | 4000 |
| 69,24  | 4000               | 4000 | 4000 | 4000 |
| 73,35  | 4000               | 4000 | 4000 | 4000 |
| 82,60  | 4000               | 4000 | 4000 | 4000 |
| 90,95  | 4000               | 4000 | 4000 | 4000 |
| 112,67 | 4000               | 4000 | 4000 | 4000 |
| 127,14 | 4000               | 4000 | 4000 | 4000 |
| 147,17 | 4000               | 4000 | 4000 | 4000 |
| 163,72 | 4000               | 4000 | 4000 | 4000 |
| 183,79 | 4000               | 4000 | 4000 | 4000 |

## BH 125

CARICO SU ALBERO DI ENTRATA (1400 giri/min)

LOAD ON INPUT SHAFT (1400 rpm)

BELASTUNG AUF DER EINGANGSWELLE (1400 Upm)

| i      | R <sub>1</sub> (N) |      |      |      |
|--------|--------------------|------|------|------|
|        | 0°                 | 90°  | 180° | 270° |
| 6,96   | 4000               | 4000 | 4000 | 4000 |
| 8,20   | 4000               | 4000 | 4000 | 4000 |
| 9,70   | 4000               | 4000 | 4000 | 4000 |
| 11,54  | 4000               | 4000 | 4000 | 4000 |
| 13,93  | 4000               | 4000 | 4000 | 4000 |
| 16,41  | 4000               | 4000 | 4000 | 4000 |
| 19,40  | 4000               | 4000 | 4000 | 4000 |
| 27,72  | 4000               | 4000 | 4000 | 4000 |
| 31,55  | 4000               | 4000 | 4000 | 4000 |
| 36,18  | 4000               | 4000 | 4000 | 4000 |
| 41,91  | 4000               | 4000 | 4000 | 4000 |
| 49,17  | 4000               | 4000 | 4000 | 4000 |
| 58,65  | 4000               | 4000 | 4000 | 4000 |
| 64,58  | 4000               | 4000 | 4000 | 4000 |
| 72,65  | 4000               | 4000 | 4000 | 4000 |
| 85,22  | 4000               | 4000 | 4000 | 4000 |
| 101,67 | 4000               | 4000 | 4000 | 4000 |
| 111,94 | 4000               | 4000 | 4000 | 4000 |
| 138,67 | 4000               | 4000 | 4000 | 4000 |
| 156,48 | 4000               | 4000 | 4000 | 4000 |
| 181,21 | 4000               | 4000 | 4000 | 4000 |
| 201,50 | 4000               | 4000 | 4000 | 4000 |
| 226,30 | 4000               | 4000 | 4000 | 4000 |

Le forze sono espresse in Newton.

Force expressed in Newton.

In Newton ausgedrückte Kraftwerte.

CARICO SU ALBERO DI USCITA

LOAD ON OUTPUT SHAFT

BELASTUNG AUF DER AUSGANGSWELLE

| i      | R <sub>2</sub> (N)                                                           |       |       |       |                                                      |      |       |      |
|--------|------------------------------------------------------------------------------|-------|-------|-------|------------------------------------------------------|------|-------|------|
|        | Cuscinetti a rulli conici *<br>Taper roller bearings *<br>Kegelrollenlager * |       |       |       | Cuscinetti radiali<br>Radial bearings<br>Radiallager |      |       |      |
|        | 0°                                                                           | 90°   | 180°  | 270°  | 0°                                                   | 90°  | 180°  | 270° |
| 6,95   | 15000                                                                        | 20000 | 21000 | 16000 | 1200                                                 | 3000 | 6000  | 1500 |
| 7,96   | 15000                                                                        | 20000 | 21000 | 16000 | 1200                                                 | 3000 | 6000  | 1500 |
| 9,38   | 15000                                                                        | 20000 | 21000 | 16000 | 1500                                                 | 4000 | 7000  | 1800 |
| 11,32  | 15000                                                                        | 20000 | 21000 | 16000 | 1200                                                 | 4000 | 7000  | 1600 |
| 13,33  | 16000                                                                        | 21000 | 22000 | 17000 | 1200                                                 | 4000 | 7000  | 1600 |
| 15,76  | 16000                                                                        | 21000 | 22000 | 17000 | 1200                                                 | 4000 | 7000  | 1600 |
| 18,75  | 18000                                                                        | 22000 | 22000 | 18000 | 1200                                                 | 4000 | 7000  | 1600 |
| 22,62  | 18000                                                                        | 22000 | 22000 | 18000 | 1200                                                 | 4000 | 7000  | 1600 |
| 25,63  | 18000                                                                        | 22000 | 22000 | 18000 | 1500                                                 | 5000 | 8000  | 2000 |
| 29,40  | 18000                                                                        | 22000 | 22000 | 20000 | 1500                                                 | 5000 | 8000  | 2000 |
| 34,05  | 18000                                                                        | 22000 | 22000 | 20000 | 1500                                                 | 5000 | 8000  | 2000 |
| 39,95  | 18000                                                                        | 22000 | 22000 | 20000 | 1500                                                 | 5000 | 8000  | 2000 |
| 47,66  | 22000                                                                        | 22000 | 22000 | 22000 | 1800                                                 | 6000 | 8000  | 2000 |
| 52,47  | 22000                                                                        | 22000 | 22000 | 22000 | 1800                                                 | 6000 | 8000  | 2000 |
| 65,00  | 22000                                                                        | 22000 | 22000 | 22000 | 1800                                                 | 6000 | 8000  | 2000 |
| 69,24  | 22000                                                                        | 22000 | 22000 | 22000 | 1800                                                 | 6000 | 8000  | 2000 |
| 73,35  | 22000                                                                        | 22000 | 22000 | 22000 | 1800                                                 | 6000 | 8000  | 2000 |
| 82,60  | 22000                                                                        | 22000 | 22000 | 22000 | 1800                                                 | 6000 | 8000  | 2000 |
| 90,95  | 22000                                                                        | 22000 | 22000 | 22000 | 1800                                                 | 6000 | 8000  | 2000 |
| 112,67 | 22000                                                                        | 22000 | 22000 | 22000 | 1800                                                 | 6000 | 8000  | 2000 |
| 127,14 | 22000                                                                        | 22000 | 22000 | 22000 | 2500                                                 | 7000 | 10000 | 3000 |
| 147,17 | 22000                                                                        | 22000 | 22000 | 22000 | 2500                                                 | 7000 | 10000 | 3000 |
| 163,72 | 22000                                                                        | 22000 | 22000 | 22000 | 2500                                                 | 7000 | 10000 | 3000 |
| 183,79 | 22000                                                                        | 22000 | 22000 | 22000 | 2500                                                 | 7000 | 10000 | 3000 |

\* Optional

Le forze sono espresse in Newton.

Force expressed in Newton.

In Newton ausgedrückte Kraftwerte.

CARICO SU ALBERO DI USCITA

LOAD ON OUTPUT SHAFT

BELASTUNG AUF DER AUSGANGSWELLE

| i      | R <sub>2</sub> (N)                                                           |       |       |       |                                                      |       |       |       |
|--------|------------------------------------------------------------------------------|-------|-------|-------|------------------------------------------------------|-------|-------|-------|
|        | Cuscinetti a rulli conici *<br>Taper roller bearings *<br>Kegelrollenlager * |       |       |       | Cuscinetti radiali<br>Radial bearings<br>Radiallager |       |       |       |
|        | 0°                                                                           | 90°   | 180°  | 270°  | 0°                                                   | 90°   | 180°  | 270°  |
| 6,96   | 16200                                                                        | 21500 | 22300 | 16700 | 3000                                                 | 9300  | 9600  | 3000  |
| 8,20   | 16950                                                                        | 22800 | 23600 | 17400 | 3000                                                 | 9900  | 10200 | 3000  |
| 9,70   | 17600                                                                        | 24000 | 24900 | 18000 | 3000                                                 | 10500 | 10800 | 3000  |
| 11,54  | 19200                                                                        | 25500 | 26200 | 19700 | 3600                                                 | 11000 | 11400 | 3900  |
| 13,93  | 18200                                                                        | 27900 | 28600 | 18750 | 1500                                                 | 12000 | 12000 | 1500  |
| 16,41  | 19400                                                                        | 29300 | 30000 | 19700 | 1500                                                 | 12000 | 13200 | 1500  |
| 19,40  | 19700                                                                        | 31300 | 31300 | 20300 | 1380                                                 | 12500 | 14000 | 1380  |
| 27,72  | 22400                                                                        | 32000 | 32000 | 22700 | 1860                                                 | 15000 | 15900 | 1860  |
| 31,55  | 22700                                                                        | 32000 | 32000 | 23300 | 1200                                                 | 16800 | 16800 | 1200  |
| 36,18  | 24000                                                                        | 32000 | 32000 | 24600 | 1860                                                 | 15200 | 17400 | 1860  |
| 41,91  | 25500                                                                        | 32000 | 32000 | 25500 | 1920                                                 | 16700 | 18000 | 1920  |
| 49,17  | 27000                                                                        | 32000 | 32000 | 27100 | 2800                                                 | 18900 | 18900 | 2800  |
| 58,65  | 28900                                                                        | 32000 | 32000 | 28800 | 3900                                                 | 20200 | 20200 | 3800  |
| 64,58  | 30000                                                                        | 32000 | 32000 | 30000 | 4350                                                 | 20500 | 20500 | 4350  |
| 72,65  | 31000                                                                        | 32000 | 32000 | 30900 | 4500                                                 | 21600 | 21300 | 4500  |
| 85,22  | 32000                                                                        | 32000 | 32000 | 32000 | 6000                                                 | 22500 | 22500 | 6000  |
| 101,67 | 32000                                                                        | 32000 | 32000 | 32000 | 6900                                                 | 23700 | 23700 | 6900  |
| 111,94 | 32000                                                                        | 32000 | 32000 | 32000 | 7500                                                 | 24300 | 24300 | 7500  |
| 138,67 | 32000                                                                        | 32000 | 32000 | 32000 | 9000                                                 | 25500 | 25500 | 9000  |
| 156,48 | 32000                                                                        | 32000 | 32000 | 32000 | 9900                                                 | 27000 | 26400 | 9900  |
| 181,21 | 32000                                                                        | 32000 | 32000 | 32000 | 11200                                                | 28100 | 28100 | 11200 |
| 201,50 | 32000                                                                        | 32000 | 32000 | 32000 | 12000                                                | 28800 | 28800 | 12000 |
| 226,30 | 32000                                                                        | 32000 | 32000 | 32000 | 12800                                                | 30000 | 30000 | 12800 |

## BH 140

CARICO SU ALBERO DI ENTRATA (1400 giri/min)  
**LOAD ON INPUT SHAFT (1400 rpm)**  
BELASTUNG AUF DER EINGANGSWELLE (1400 Upm)

| i      | R <sub>1</sub> (N) |      |      |      |
|--------|--------------------|------|------|------|
|        | 0°                 | 90°  | 180° | 270° |
| 7,64   | 5340               | 8540 | 8890 | 5600 |
| 9,35   | 5670               | 8650 | 8650 | 5670 |
| 10,93  | 5770               | 8370 | 8790 | 5770 |
| 12,09  | 5760               | 8220 | 8640 | 5950 |
| 14,79  | 5920               | 8230 | 8230 | 5920 |
| 17,28  | 6000               | 8120 | 8120 | 6000 |
| 19,24  | 5890               | 8470 | 8470 | 5890 |
| 20,96  | 6240               | 8000 | 8320 | 6240 |
| 22,77  | 6000               | 8400 | 8400 | 6000 |
| 25,64  | 5850               | 8350 | 8350 | 5850 |
| 31,01  | 6180               | 8250 | 8250 | 5820 |
| 33,36  | 6420               | 8180 | 8180 | 6420 |
| 35,58  | 6300               | 8470 | 8010 | 5880 |
| 41,30  | 6090               | 8600 | 8250 | 5820 |
| 48,65  | 6210               | 8420 | 8040 | 5900 |
| 64,70  | 6300               | 8400 | 7870 | 6000 |
| 81,33  | 6480               | 8370 | 7730 | 6090 |
| 101,33 | 6750               | 8000 | 7700 | 6480 |
| 125,12 | 6600               | 7760 | 7760 | 6600 |
| 140,98 | 6880               | 7800 | 7800 | 6500 |
| 162,12 | 6800               | 7840 | 7280 | 6370 |
| 182,10 | 6920               | 7500 | 7500 | 6420 |

Le forze sono espresse in New  
**Force expressed in Newton.**  
In Newton ausgedrückte Kräfte

CARICO SU ALBERO DI USCITA  
**LOAD ON OUTPUT SHAFT**  
BELASTUNG AUF DER AUSGANGSWELLE

| i      | R <sub>2</sub> (N) |       |       |       |
|--------|--------------------|-------|-------|-------|
|        | 0°                 | 90°   | 180   | 270   |
| 7,64   | 20500              | 33900 | 30000 | 18000 |
| 9,35   | 22200              | 36000 | 31500 | 19500 |
| 10,93  | 23100              | 38100 | 33600 | 19800 |
| 12,09  | 23400              | 39000 | 34800 | 21300 |
| 14,79  | 25500              | 41700 | 37200 | 22200 |
| 17,28  | 25800              | 43800 | 39000 | 22800 |
| 19,24  | 26100              | 45900 | 39900 | 23400 |
| 20,96  | 27900              | 46800 | 41000 | 24000 |
| 22,77  | 27300              | 47100 | 42300 | 24000 |
| 25,64  | 27600              | 49200 | 43500 | 24600 |
| 31,01  | 30500              | 52000 | 46800 | 26400 |
| 33,36  | 31200              | 52000 | 47400 | 27600 |
| 35,58  | 31800              | 52000 | 48000 | 28200 |
| 41,30  | 33300              | 52000 | 50400 | 29400 |
| 48,65  | 35700              | 52000 | 52000 | 31500 |
| 64,70  | 39300              | 52000 | 52000 | 35700 |
| 81,33  | 43500              | 52000 | 52000 | 39300 |
| 101,33 | 48000              | 52000 | 52000 | 42600 |
| 125,12 | 51500              | 52000 | 52000 | 46500 |
| 140,98 | 52000              | 52000 | 52000 | 49500 |
| 162,12 | 52000              | 52000 | 52000 | 51500 |
| 182,10 | 52000              | 52000 | 52000 | 52000 |

## BH 160

CARICO SU ALBERO DI ENTRATA (1400 giri/min)  
**LOAD ON INPUT SHAFT (1400 rpm)**  
BELASTUNG AUF DER EINGANGSWELLE (1400 Upm)

| i      | R <sub>1</sub> (N) |      |      |      |
|--------|--------------------|------|------|------|
|        | 0°                 | 90°  | 180° | 270° |
| 7,56   | 3790               | 7800 | 8200 | 4000 |
| 9,24   | 3740               | 7950 | 7950 | 3850 |
| 10,80  | 3555               | 7800 | 7800 | 3555 |
| 12,35  | 4530               | 8460 | 8460 | 4700 |
| 15,10  | 4240               | 8200 | 8480 | 4400 |
| 17,65  | 4100               | 8100 | 8220 | 4270 |
| 19,66  | 4520               | 8300 | 8300 | 4600 |
| 23,26  | 3920               | 7840 | 7540 | 3840 |
| 26,19  | 3740               | 7800 | 7480 | 3600 |
| 31,67  | 3750               | 7850 | 7170 | 3430 |
| 36,35  | 4000               | 8000 | 7200 | 3780 |
| 42,19  | 4410               | 7720 | 7270 | 4100 |
| 49,70  | 4770               | 8070 | 7500 | 4370 |
| 54,90  | 5960               | 8360 | 7950 | 5960 |
| 63,00  | 6360               | 8280 | 8280 | 5900 |
| 73,73  | 5050               | 8400 | 7080 | 4720 |
| 86,14  | 6440               | 8400 | 7970 | 6180 |
| 103,50 | 6600               | 8400 | 7870 | 6300 |
| 127,80 | 6570               | 8160 | 7840 | 6180 |
| 144,00 | 6530               | 8300 | 7950 | 6300 |
| 165,60 | 6620               | 8360 | 7950 | 6360 |
| 186,00 | 6700               | 8290 | 7830 | 6130 |

Le forze sono espresse in New  
**Force expressed in Newton.**  
In Newton ausgedrückte Kräfte

CARICO SU ALBERO DI USCITA  
**LOAD ON OUTPUT SHAFT**  
BELASTUNG AUF DER AUSGANGSWELLE

| i      | R <sub>2</sub> (N) |       |       |       |
|--------|--------------------|-------|-------|-------|
|        | 0°                 | 90°   | 180°  | 270°  |
| 7,56   | 28500              | 40500 | 38000 | 26000 |
| 9,24   | 30000              | 42000 | 40500 | 27000 |
| 10,80  | 30600              | 43800 | 42600 | 27900 |
| 12,35  | 31800              | 48000 | 45000 | 28800 |
| 15,10  | 33000              | 49800 | 47100 | 29400 |
| 17,65  | 33900              | 51000 | 49800 | 30000 |
| 19,66  | 36000              | 52800 | 51300 | 31500 |
| 23,26  | 36300              | 55200 | 55200 | 31800 |
| 26,19  | 36600              | 56100 | 56100 | 32100 |
| 31,67  | 38700              | 58500 | 60000 | 34200 |
| 36,35  | 41100              | 63000 | 63000 | 35100 |
| 42,19  | 43500              | 66300 | 64800 | 38100 |
| 49,70  | 46200              | 67000 | 67000 | 42000 |
| 54,90  | 48900              | 67000 | 67000 | 43500 |
| 63,00  | 51900              | 67000 | 67000 | 45900 |
| 73,73  | 54300              | 67000 | 67000 | 49800 |
| 86,14  | 58500              | 67000 | 67000 | 53000 |
| 103,50 | 63000              | 67000 | 67000 | 55800 |
| 127,80 | 65000              | 67000 | 67000 | 60000 |
| 144,00 | 65000              | 67000 | 67000 | 64700 |
| 165,60 | 65000              | 67000 | 67000 | 65000 |
| 186,00 | 65000              | 67000 | 67000 | 65000 |

## BH 180

CARICO SU ALBERO DI ENTRATA (1400 giri/min)

LOAD ON INPUT SHAFT (1400 rpm)

BELASTUNG AUF DER EINGANGSWELLE (1400 Upm)

| i      | R <sub>1</sub> (N) |       |       |      |
|--------|--------------------|-------|-------|------|
|        | 0°                 | 90°   | 180°  | 270° |
| 7,94   | 2330               | 14000 | 14740 | 1880 |
| 9,38   | 3520               | 14000 | 14540 | 2910 |
| 10,67  | 4450               | 14000 | 14200 | 3525 |
| 13,04  | 3590               | 13940 | 14600 | 3060 |
| 15,41  | 3020               | 14000 | 14525 | 2510 |
| 17,52  | 3920               | 13940 | 14270 | 3200 |
| 20,93  | 4080               | 14000 | 14200 | 3350 |
| 24,08  | 4090               | 13900 | 14070 | 3320 |
| 26,56  | 4600               | 13940 | 13940 | 3720 |
| 31,03  | 4690               | 14070 | 13735 | 3685 |
| 34,65  | 5025               | 14000 | 13670 | 3890 |
| 41,44  | 5560               | 13870 | 13530 | 4400 |
| 47,22  | 5560               | 13800 | 13400 | 4210 |
| 54,45  | 5850               | 13600 | 13600 | 4490 |
| 63,75  | 5810               | 13940 | 13470 | 4355 |
| 93,50  | 6430               | 13530 | 12865 | 4760 |
| 110,50 | 9110               | 12865 | 12865 | 8110 |
| 145,56 | 9650               | 12660 | 12660 | 8240 |
| 162,07 | 9245               | 12330 | 12330 | 8240 |
| 182,12 | 9450               | 13270 | 12060 | 8290 |

Le forze sono espresse in Newton.

Force expressed in Newton.

In Newton ausgedrückte Kraftwerte.

CARICO SU ALBERO DI USCITA

LOAD ON OUTPUT SHAFT

BELASTUNG AUF DER AUSGANGSWELLE

| i      | R <sub>2</sub> (N) |       |       |       |
|--------|--------------------|-------|-------|-------|
|        | 0°                 | 90°   | 180°  | 270°  |
| 7,94   | 39300              | 37500 | 37500 | 45300 |
| 9,38   | 42600              | 38400 | 39300 | 47400 |
| 10,67  | 45300              | 40500 | 40500 | 49800 |
| 13,04  | 43200              | 40800 | 42300 | 52200 |
| 15,41  | 43800              | 42300 | 44700 | 51900 |
| 17,52  | 46200              | 44700 | 47100 | 56400 |
| 20,93  | 48900              | 47100 | 48900 | 60000 |
| 24,08  | 50700              | 48900 | 51600 | 61800 |
| 26,56  | 51600              | 49800 | 52500 | 63300 |
| 31,03  | 55500              | 52500 | 55500 | 66600 |
| 34,65  | 58800              | 54300 | 57600 | 69600 |
| 41,44  | 62400              | 57600 | 61200 | 75000 |
| 47,22  | 65400              | 60300 | 63000 | 78600 |
| 54,45  | 69900              | 63000 | 66900 | 80000 |
| 63,75  | 73200              | 66000 | 70200 | 80000 |
| 93,50  | 80000              | 75000 | 78300 | 80000 |
| 110,50 | 80000              | 80000 | 80000 | 80000 |
| 145,56 | 80000              | 80000 | 80000 | 80000 |
| 162,07 | 80000              | 80000 | 80000 | 80000 |
| 182,12 | 80000              | 80000 | 80000 | 80000 |

## BH 200

CARICO SU ALBERO DI ENTRATA (1400 giri/min)

LOAD ON INPUT SHAFT (1400 rpm)

BELASTUNG AUF DER EINGANGSWELLE (1400 Upm)

| i      | R <sub>1</sub> (N) |       |       |       |
|--------|--------------------|-------|-------|-------|
|        | 0°                 | 90°   | 180°  | 270°  |
| 7,81   | 6260               | 24200 | 25900 | 5000  |
| 9,20   | 6700               | 24900 | 24900 | 5100  |
| 10,11  | 8700               | 24500 | 24500 | 6600  |
| 12,28  | 14500              | 23400 | 24400 | 11700 |
| 14,46  | 15200              | 23500 | 23500 | 13600 |
| 15,89  | 15700              | 23600 | 23600 | 14700 |
| 19,32  | 16100              | 22800 | 22800 | 16100 |
| 23,80  | 16400              | 23400 | 23400 | 16400 |
| 25,54  | 16100              | 23500 | 21900 | 16100 |
| 30,36  | 16800              | 23500 | 22700 | 16300 |
| 36,19  | 18000              | 23400 | 22000 | 16700 |
| 43,66  | 17400              | 23700 | 21800 | 16000 |
| 54,35  | 17800              | 23300 | 21500 | 16800 |
| 66,79  | 18000              | 23500 | 21300 | 16600 |
| 72,27  | 18000              | 23400 | 21800 | 16600 |
| 79,34  | 18000              | 22800 | 21300 | 16800 |
| 88,54  | 18400              | 22400 | 21400 | 17100 |
| 105,13 | 18900              | 21700 | 20700 | 18100 |
| 124,23 | 19300              | 21700 | 20400 | 18400 |
| 139,79 | 19200              | 21700 | 20400 | 18100 |
| 153,46 | 18700              | 21400 | 19900 | 17600 |

Le forze sono espresse in Newton.

Force expressed in Newton.

In Newton ausgedrückte Kraftwerte.

CARICO SU ALBERO DI USCITA

LOAD ON OUTPUT SHAFT

BELASTUNG AUF DER AUSGANGSWELLE

| i      | R <sub>2</sub> (N) |       |       |       |
|--------|--------------------|-------|-------|-------|
|        | 0°                 | 90°   | 180°  | 270°  |
| 7,81   | 54000              | 52800 | 54000 | 64200 |
| 9,20   | 55800              | 55800 | 57000 | 67800 |
| 10,11  | 57900              | 57900 | 59100 | 71100 |
| 12,28  | 63600              | 60300 | 62700 | 76500 |
| 14,46  | 69000              | 64800 | 66000 | 80000 |
| 15,89  | 71700              | 67500 | 67500 | 80000 |
| 19,32  | 80000              | 71700 | 71700 | 80000 |
| 23,80  | 80000              | 76500 | 76500 | 80000 |
| 25,54  | 80000              | 78000 | 78000 | 80000 |
| 30,36  | 80000              | 80000 | 80000 | 80000 |
| 36,19  | 80000              | 80000 | 80000 | 80000 |
| 43,66  | 80000              | 80000 | 80000 | 80000 |
| 54,35  | 80000              | 80000 | 80000 | 80000 |
| 66,79  | 80000              | 80000 | 80000 | 80000 |
| 72,27  | 80000              | 80000 | 80000 | 80000 |
| 79,34  | 80000              | 80000 | 80000 | 80000 |
| 88,54  | 80000              | 80000 | 80000 | 80000 |
| 105,13 | 80000              | 80000 | 80000 | 80000 |
| 124,23 | 80000              | 80000 | 80000 | 80000 |
| 139,79 | 80000              | 80000 | 80000 | 80000 |
| 153,46 | 80000              | 80000 | 80000 | 80000 |