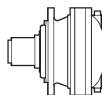
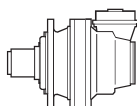


| i _{eff} | | | | | | | | | | T _{2max} [Nm] | P _T [kW] | |
|------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|---------------------------|------------------------|---|
| | 1500 | | | 1000 | | | 500 | | | | | |
| | n ₂ [rpm] | T ₂ [Nm] | P ₂ [kW] | n ₂ [rpm] | T ₂ [Nm] | P ₂ [kW] | n ₂ [rpm] | T ₂ [Nm] | P ₂ [kW] | | | |
| EM 1020 | | | | | | | | | | | | |
| 3.08 | 487 | 888 | 45.3 | 325 | 1003 | 34.1 | 162 | 1235 | 21.0 | 2800 | 20 | |
| 3.50 | 429 | 972 | 43.6 | 286 | 1098 | 32.9 | 143 | 1351 | 20.2 | 2800 | | |
| 4.13 | 363 | 1005 | 38.2 | 242 | 1135 | 28.8 | 121 | 1397 | 17.7 | 2800 | | |
| 5.17 | 290 | 1045 | 31.8 | 193 | 1159 | 23.5 | 97 | 1287 | 13.0 | 2800 | | |
| 6.00 | 250 | 1001 | 26.2 | 167 | 1077 | 18.8 | 83 | 1187 | 10.4 | 2800 | | |
| 7.25 | 207 | 863 | 18.7 | 138 | 924 | 13.3 | 69 | 1015 | 7.3 | 2800 | | |
| ED 2020 | | | | | | | | | | | | |
| 10.41 | 144 | 1263 | 19.1 | 96 | 1427 | 14.4 | 48.0 | 1756 | 8.8 | 2800 | 12 | |
| 11.83 | 127 | 1401 | 18.6 | 85 | 1582 | 14.0 | 42.3 | 1948 | 8.6 | 2800 | | |
| 13.52 | 111 | 1329 | 15.4 | 74 | 1501 | 11.6 | 37.0 | 1848 | 7.2 | 2800 | | |
| 15.37 | 98 | 1510 | 15.4 | 65 | 1705 | 11.6 | 32.5 | 2036 | 6.9 | 2800 | | |
| 18.13 | 83 | 1566 | 13.6 | 55 | 1715 | 9.9 | 27.6 | 1840 | 5.3 | 2800 | | |
| 21.00 | 71 | 1445 | 10.8 | 47.6 | 1585 | 7.9 | 23.8 | 1787 | 4.5 | 2800 | | |
| 22.70 | 66 | 1348 | 9.3 | 44.1 | 1411 | 6.5 | 22.0 | 1515 | 3.5 | 2800 | | |
| 24.78 | 61 | 1697 | 10.8 | 40.4 | 1772 | 7.5 | 20.2 | 1895 | 4.0 | 2800 | | |
| 28.66 | 52 | 1600 | 8.8 | 34.9 | 1683 | 6.2 | 17.4 | 1890 | 3.5 | 2800 | | |
| 31.02 | 48.4 | 1397 | 7.1 | 32.2 | 1458 | 4.9 | 16.1 | 1561 | 2.6 | 2800 | | |
| 35.88 | 41.8 | 1419 | 6.2 | 27.9 | 1480 | 4.3 | 13.9 | 1582 | 2.3 | 2800 | | |
| 41.64 | 36.0 | 1305 | 4.9 | 24.0 | 1360 | 3.4 | 12.0 | 1453 | 1.8 | 2800 | | |
| 50.32 | 29.8 | 1116 | 3.5 | 19.9 | 1164 | 2.4 | 9.9 | 1246 | 1.3 | 2800 | | |
| ET 3020 | | | | | | | | | | | | |
| 59.36 | 25.3 | 2071 | 5.5 | 16.8 | 2276 | 4.0 | 8.4 | 2514 | 2.2 | 2800 | 4 | |
| 61.28 | 24.5 | 1861 | 4.8 | 16.3 | 1933 | 3.3 | 8.2 | 2078 | 1.8 | 2800 | | |
| 70.98 | 21.1 | 2121 | 4.7 | 14.1 | 2201 | 3.2 | 7.0 | 2471 | 1.8 | 2800 | | |
| 82.10 | 18.3 | 2150 | 4.1 | 12.2 | 2229 | 2.8 | 6.1 | 2545 | 1.6 | 2800 | | |
| 92.19 | 16.3 | 2172 | 3.7 | 10.8 | 2259 | 2.6 | 5.4 | 2606 | 1.5 | 2800 | | |
| 106.6 | 14.1 | 2201 | 3.2 | 9.4 | 2329 | 2.3 | 4.7 | 2683 | 1.3 | 2800 | | |
| 108.8 | 13.8 | 1963 | 2.8 | 9.2 | 2035 | 2.0 | 4.6 | 2341 | 1.1 | 2800 | | |
| 126.0 | 11.9 | 1963 | 2.4 | 7.9 | 2062 | 1.7 | 4.0 | 2228 | 0.93 | 2800 | | |
| 145.7 | 10.3 | 1999 | 2.2 | 6.9 | 2097 | 1.5 | 3.4 | 2263 | 0.81 | 2800 | | |
| 161.3 | 9.3 | 2333 | 2.3 | 6.2 | 2536 | 1.6 | 3.1 | 2800 | 0.91 | 2800 | | |
| 172.0 | 8.7 | 2049 | 1.9 | 5.8 | 2231 | 1.4 | 2.9 | 2567 | 0.78 | 2800 | | |
| 198.9 | 7.5 | 2113 | 1.7 | 5.0 | 2221 | 1.2 | 2.5 | 2401 | 0.63 | 2800 | | |
| 220.5 | 6.8 | 2099 | 1.5 | 4.5 | 2196 | 1.0 | 2.3 | 2364 | 0.56 | 2800 | | |
| 260.2 | 5.8 | 2235 | 1.3 | 3.8 | 2428 | 0.98 | 1.9 | 2785 | 0.56 | 2800 | | |
| 289.0 | 5.2 | 1583 | 0.86 | 3.5 | 1727 | 0.63 | 1.7 | 1994 | 0.36 | 2800 | | |
| 325.7 | 4.6 | 1833 | 0.88 | 3.1 | 1995 | 0.64 | 1.5 | 2297 | 0.37 | 2800 | | |
| EQ 4020 | | | | | | | | | | | | |
| 360.4 | 4.2 | 2748 | 1.2 | 2.8 | 2800 | 0.82 | 1.4 | 2800 | 0.41 | 2800 | | 4 |
| 404.7 | 3.7 | 2800 | 1.1 | 2.5 | 2800 | 0.73 | 1.2 | 2800 | 0.35 | 2800 | | |
| 468.1 | 3.2 | 2800 | 0.94 | 2.1 | 2800 | 0.62 | 1.1 | 2800 | 0.32 | 2800 | | |
| 502.5 | 3.0 | 2554 | 0.80 | 2.0 | 2766 | 0.58 | 0.99 | 2800 | 0.29 | 2800 | | |
| 569.8 | 2.6 | 2800 | 0.76 | 1.8 | 2800 | 0.53 | 0.88 | 2800 | 0.26 | 2800 | | |
| 639.8 | 2.3 | 2800 | 0.67 | 1.6 | 2800 | 0.47 | 0.78 | 2800 | 0.23 | 2800 | | |
| 708.2 | 2.1 | 2800 | 0.62 | 1.4 | 2800 | 0.41 | 0.71 | 2800 | 0.21 | 2800 | | |
| 835.7 | 1.8 | 2800 | 0.53 | 1.2 | 2800 | 0.35 | 0.60 | 2800 | 0.18 | 2800 | | |
| 892.1 | 1.7 | 2800 | 0.50 | 1.1 | 2800 | 0.32 | 0.56 | 2800 | 0.16 | 2800 | | |
| 1032 | 1.5 | 2800 | 0.44 | 0.97 | 2800 | 0.28 | 0.48 | 2800 | 0.14 | 2800 | | |
| 1120 | 1.3 | 2800 | 0.38 | 0.89 | 2800 | 0.26 | 0.45 | 2800 | 0.13 | 2800 | | |
| 1323 | 1.1 | 2659 | 0.32 | 0.76 | 2789 | 0.22 | 0.38 | 2800 | 0.11 | 2800 | | |
| 1380 | 1.1 | 2641 | 0.30 | 0.72 | 2800 | 0.21 | 0.36 | 2800 | 0.11 | 2800 | | |
| 1561 | 0.96 | 2800 | 0.28 | 0.64 | 2800 | 0.19 | 0.32 | 2800 | 0.09 | 2800 | | |
| 1806 | 0.83 | 2800 | 0.24 | 0.55 | 2800 | 0.16 | 0.28 | 2800 | 0.08 | 2800 | | |
| 1999 | 0.75 | 2800 | 0.22 | 0.50 | 2800 | 0.15 | 0.25 | 2800 | 0.07 | 2800 | | |
| 2315 | 0.65 | 2800 | 0.19 | 0.43 | 2800 | 0.13 | 0.22 | 2800 | 0.06 | 2800 | | |
| 2615 | 0.57 | 2783 | 0.17 | 0.38 | 2800 | 0.11 | 0.19 | 2800 | 0.06 | 2800 | | |
| 2732 | 0.55 | 2800 | 0.16 | 0.37 | 2800 | 0.11 | 0.18 | 2800 | 0.05 | 2800 | | |
| 3160 | 0.47 | 2800 | 0.14 | 0.32 | 2800 | 0.09 | 0.16 | 2800 | 0.05 | 2800 | | |



| i _{eff} | 1500 | | | 1000 | | | 500 | | | T _{2max} [Nm] | P _T [kW] | |
|------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|---------------------------|------------------------|---|
| | n ₂ [rpm] | T ₂ [Nm] | P ₂ [kW] | n ₂ [rpm] | T ₂ [Nm] | P ₂ [kW] | n ₂ [rpm] | T ₂ [Nm] | P ₂ [kW] | | | |
| EM 1020 | | | | | | | | | | | | |
| 3.08 | 487 | 1570 | 80 | 325 | 1773 | 60 | 162 | 2117 | 36.0 | 2800 | 20 | |
| 3.50 | 429 | 1683 | 76 | 286 | 1837 | 55 | 143 | 2045 | 30.6 | 2800 | | |
| 4.13 | 363 | 1549 | 59 | 242 | 1678 | 42.6 | 121 | 1857 | 23.5 | 2800 | | |
| 5.17 | 290 | 1304 | 39.6 | 193 | 1401 | 28.4 | 97 | 1539 | 15.6 | 2800 | | |
| 6.00 | 250 | 1219 | 31.9 | 167 | 1301 | 22.7 | 83 | 1421 | 12.4 | 2800 | | |
| 7.25 | 207 | 1058 | 22.9 | 138 | 1123 | 16.2 | 69 | 1223 | 8.8 | 2800 | | |
| ED 2020 | | | | | | | | | | | | |
| 10.41 | 144 | 2151 | 32.5 | 96 | 2258 | 22.7 | 48.0 | 2616 | 13.2 | 2800 | 12 | |
| 11.83 | 127 | 2077 | 27.6 | 85 | 2177 | 19.3 | 42.3 | 2502 | 11.1 | 2800 | | |
| 13.52 | 111 | 2180 | 25.3 | 74 | 2311 | 17.9 | 37.0 | 2464 | 9.5 | 2800 | | |
| 15.37 | 98 | 2142 | 21.9 | 65 | 2275 | 15.5 | 32.5 | 2644 | 9.0 | 2800 | | |
| 18.13 | 83 | 1942 | 16.8 | 55 | 2046 | 11.8 | 27.6 | 2378 | 6.9 | 2800 | | |
| 21.00 | 71 | 1829 | 13.7 | 47.6 | 1980 | 9.9 | 23.8 | 2200 | 5.5 | 2800 | | |
| 22.70 | 66 | 1608 | 11.1 | 44.1 | 1679 | 7.7 | 22.0 | 1956 | 4.5 | 2800 | | |
| 24.78 | 61 | 2008 | 12.7 | 40.4 | 2193 | 9.3 | 20.2 | 2537 | 5.4 | 2800 | | |
| 28.66 | 52 | 1967 | 10.8 | 34.9 | 2118 | 7.7 | 17.4 | 2344 | 4.3 | 2800 | | |
| 31.02 | 48.4 | 1661 | 8.4 | 32.2 | 1801 | 6.1 | 16.1 | 2089 | 3.5 | 2800 | | |
| 35.88 | 41.8 | 1699 | 7.4 | 27.9 | 1860 | 5.4 | 13.9 | 2153 | 3.1 | 2800 | | |
| 41.64 | 36.0 | 1557 | 5.9 | 24.0 | 1704 | 4.3 | 12.0 | 1974 | 2.5 | 2800 | | |
| 50.32 | 29.8 | 1336 | 4.2 | 19.9 | 1464 | 3.0 | 9.9 | 1703 | 1.8 | 2800 | | |
| ET 3020 | | | | | | | | | | | | |
| 59.36 | 25.3 | 2525 | 6.7 | 16.8 | 2578 | 4.5 | 8.4 | 2654 | 2.3 | 2800 | 8 | |
| 61.28 | 24.5 | 2438 | 6.3 | 16.3 | 2648 | 4.5 | 8.2 | 2800 | 2.4 | 2800 | | |
| 70.98 | 21.1 | 2800 | 6.2 | 14.1 | 2800 | 4.1 | 7.0 | 2800 | 2.1 | 2800 | | |
| 82.10 | 18.3 | 2800 | 5.4 | 12.2 | 2800 | 3.6 | 6.1 | 2800 | 1.8 | 2800 | | |
| 92.19 | 16.3 | 2800 | 4.8 | 10.8 | 2800 | 3.2 | 5.4 | 2800 | 1.6 | 2800 | | |
| 106.6 | 14.1 | 2800 | 4.1 | 9.4 | 2800 | 2.8 | 4.7 | 2800 | 1.4 | 2800 | | |
| 108.8 | 13.8 | 2739 | 4.0 | 9.2 | 2800 | 2.7 | 4.6 | 2800 | 1.3 | 2800 | | |
| 126.0 | 11.9 | 2395 | 3.0 | 7.9 | 2610 | 2.2 | 4.0 | 2799 | 1.2 | 2800 | | |
| 145.7 | 10.3 | 2444 | 2.6 | 6.9 | 2705 | 1.9 | 3.4 | 2800 | 1.0 | 2800 | | |
| 161.3 | 9.3 | 2800 | 2.7 | 6.2 | 2800 | 1.8 | 3.1 | 2800 | 0.91 | 2800 | | |
| 172.0 | 8.7 | 2800 | 2.6 | 5.8 | 2800 | 1.7 | 2.9 | 2800 | 0.85 | 2800 | | |
| 198.9 | 7.5 | 2594 | 2.0 | 5.0 | 2800 | 1.5 | 2.5 | 2800 | 0.73 | 2800 | | |
| 220.5 | 6.8 | 2711 | 1.9 | 4.5 | 2787 | 1.3 | 2.3 | 2800 | 0.67 | 2800 | | |
| 260.2 | 5.8 | 2800 | 1.7 | 3.8 | 2800 | 1.1 | 1.9 | 2800 | 0.56 | 2800 | | |
| 289.0 | 5.2 | 2337 | 1.3 | 3.5 | 2529 | 0.92 | 1.7 | 2800 | 0.50 | 2800 | | |
| 325.7 | 4.6 | 2683 | 1.3 | 3.1 | 2800 | 0.91 | 1.5 | 2800 | 0.44 | 2800 | | |
| EQ 4020 | | | | | | | | | | | | |
| 360.4 | 4.2 | 2800 | 1.2 | 2.8 | 2800 | 0.82 | 1.4 | 2800 | 0.41 | 2800 | | 4 |
| 404.7 | 3.7 | 2800 | 1.1 | 2.5 | 2800 | 0.73 | 1.2 | 2800 | 0.35 | 2800 | | |
| 468.1 | 3.2 | 2800 | 0.9 | 2.1 | 2800 | 0.62 | 1.1 | 2800 | 0.32 | 2800 | | |
| 502.5 | 3.0 | 2800 | 0.9 | 2.0 | 2800 | 0.59 | 0.99 | 2800 | 0.29 | 2800 | | |
| 569.8 | 2.6 | 2800 | 0.76 | 1.8 | 2800 | 0.53 | 0.88 | 2800 | 0.26 | 2800 | | |
| 639.8 | 2.3 | 2800 | 0.67 | 1.6 | 2800 | 0.47 | 0.78 | 2800 | 0.23 | 2800 | | |
| 708.2 | 2.1 | 2800 | 0.62 | 1.4 | 2800 | 0.41 | 0.71 | 2800 | 0.21 | 2800 | | |
| 835.7 | 1.8 | 2800 | 0.53 | 1.2 | 2800 | 0.35 | 0.60 | 2800 | 0.18 | 2800 | | |
| 892.1 | 1.7 | 2800 | 0.50 | 1.1 | 2800 | 0.32 | 0.56 | 2800 | 0.16 | 2800 | | |
| 1032 | 1.5 | 2800 | 0.44 | 0.97 | 2800 | 0.28 | 0.48 | 2800 | 0.14 | 2800 | | |
| 1120 | 1.3 | 2800 | 0.38 | 0.89 | 2800 | 0.26 | 0.45 | 2800 | 0.13 | 2800 | | |
| 1323 | 1.1 | 2800 | 0.32 | 0.76 | 2800 | 0.22 | 0.38 | 2800 | 0.11 | 2800 | | |
| 1380 | 1.1 | 2800 | 0.32 | 0.72 | 2800 | 0.21 | 0.36 | 2800 | 0.11 | 2800 | | |
| 1561 | 0.96 | 2800 | 0.28 | 0.64 | 2800 | 0.19 | 0.32 | 2800 | 0.09 | 2800 | | |
| 1806 | 0.83 | 2800 | 0.24 | 0.55 | 2800 | 0.16 | 0.28 | 2800 | 0.08 | 2800 | | |
| 1999 | 0.75 | 2800 | 0.22 | 0.50 | 2800 | 0.15 | 0.25 | 2800 | 0.07 | 2800 | | |
| 2315 | 0.65 | 2800 | 0.19 | 0.43 | 2800 | 0.13 | 0.22 | 2800 | 0.06 | 2800 | | |
| 2615 | 0.57 | 2800 | 0.17 | 0.38 | 2800 | 0.11 | 0.19 | 2800 | 0.06 | 2800 | | |
| 2732 | 0.55 | 2800 | 0.16 | 0.37 | 2800 | 0.11 | 0.18 | 2800 | 0.05 | 2800 | | |
| 3160 | 0.47 | 2800 | 0.14 | 0.32 | 2800 | 0.09 | 0.16 | 2800 | 0.05 | 2800 | | |



| i_{eff} | 1500 | | | 1000 | | | 500 | | | T_{2max} [Nm] | P_T [kW] |
|-----------|----------------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|--------------------|---------------|
| | n_2 [rpm] | T_2 [Nm] | P_2 [kW] | n_2 [rpm] | T_2 [Nm] | P_2 [kW] | n_2 [rpm] | T_2 [Nm] | P_2 [kW] | | |

EC 2020 - PDA 2020

| | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|-----|------|---|
| 10.50 | 143 | 1351 | 20.2 | 95 | 1526 | 15.2 | 47.6 | 1879 | 9.4 | 2800 | 8 |
| 12.39 | 121 | 1397 | 17.7 | 81 | 1578 | 13.3 | 40.4 | 1772 | 7.5 | 2800 | |
| 14.23 | 105 | 1392 | 15.4 | 70 | 1572 | 11.6 | 35.1 | 1936 | 7.1 | 2800 | |
| 16.17 | 93 | 1538 | 14.9 | 62 | 1737 | 11.3 | 30.9 | 2047 | 6.6 | 2800 | |
| 18.00 | 83 | 1187 | 10.4 | 56 | 1245 | 7.2 | 27.8 | 1340 | 3.9 | 2800 | |
| 19.08 | 79 | 1590 | 13.1 | 52 | 1724 | 9.5 | 26.2 | 1849 | 5.1 | 2800 | |
| 21.75 | 69 | 1015 | 7.3 | 46.0 | 1064 | 5.1 | 23.0 | 1147 | 2.8 | 2800 | |
| 23.89 | 63 | 1357 | 8.9 | 41.9 | 1419 | 6.2 | 20.9 | 1522 | 3.3 | 2800 | |
| 27.72 | 54 | 1249 | 7.1 | 36.1 | 1305 | 4.9 | 18.0 | 1398 | 2.6 | 2800 | |
| 33.50 | 44.8 | 1067 | 5.0 | 29.9 | 1116 | 3.5 | 14.9 | 1198 | 1.9 | 2800 | |

EC 3020 - PDA 3020

| | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|---|
| 46.09 | 32.5 | 1507 | 5.1 | 21.7 | 1702 | 3.9 | 10.8 | 2095 | 2.4 | 2800 | 5 |
| 52.42 | 28.6 | 1476 | 4.4 | 19.1 | 1536 | 3.1 | 9.5 | 1639 | 1.6 | 2800 | |
| 57.85 | 25.9 | 1157 | 3.1 | 17.3 | 1307 | 2.4 | 8.6 | 1609 | 1.5 | 2800 | |
| 63.00 | 23.8 | 1787 | 4.5 | 15.9 | 1892 | 3.1 | 7.9 | 2062 | 1.7 | 2800 | |
| 68.26 | 22.0 | 1366 | 3.1 | 14.6 | 1542 | 2.4 | 7.3 | 1899 | 1.5 | 2800 | |
| 75.13 | 20.0 | 1503 | 3.1 | 13.3 | 1698 | 2.4 | 6.7 | 2090 | 1.5 | 2800 | |
| 88.66 | 16.9 | 1774 | 3.1 | 11.3 | 1998 | 2.4 | 5.6 | 2245 | 1.3 | 2800 | |
| 102.7 | 14.6 | 1913 | 2.9 | 9.7 | 2013 | 2.1 | 4.9 | 2179 | 1.1 | 2800 | |
| 111.0 | 13.5 | 1587 | 2.2 | 9.0 | 1647 | 1.6 | 4.5 | 1841 | 0.87 | 2800 | |
| 121.2 | 12.4 | 1982 | 2.6 | 8.3 | 2073 | 1.8 | 4.1 | 2393 | 1.0 | 2800 | |
| 142.4 | 10.5 | 1835 | 2.0 | 7.0 | 2073 | 1.5 | 3.5 | 2258 | 0.83 | 2800 | |
| 168.0 | 8.9 | 2040 | 1.9 | 6.0 | 2220 | 1.4 | 3.0 | 2555 | 0.80 | 2800 | |
| 175.5 | 8.5 | 1655 | 1.5 | 5.7 | 1751 | 1.0 | 2.8 | 2026 | 0.61 | 2800 | |
| 194.3 | 7.7 | 2103 | 1.7 | 5.1 | 2215 | 1.2 | 2.6 | 2395 | 0.65 | 2800 | |
| 210.3 | 7.1 | 1682 | 1.3 | 4.8 | 1820 | 0.91 | 2.4 | 2103 | 0.52 | 2800 | |
| 243.3 | 6.2 | 1722 | 1.1 | 4.1 | 1877 | 0.81 | 2.1 | 2166 | 0.47 | 2800 | |
| 282.3 | 5.3 | 1575 | 0.88 | 3.5 | 1718 | 0.64 | 1.8 | 1985 | 0.37 | 2800 | |
| 308.1 | 4.9 | 1393 | 0.71 | 3.2 | 1430 | 0.49 | 1.6 | 1495 | 0.25 | 2800 | |
| 368.1 | 4.1 | 1226 | 0.52 | 2.7 | 1259 | 0.36 | 1.4 | 1315 | 0.19 | 2800 | |
| 427.1 | 3.5 | 1423 | 0.52 | 2.3 | 1461 | 0.36 | 1.2 | 1526 | 0.19 | 2800 | |
| 516.1 | 2.9 | 1478 | 0.45 | 1.9 | 1613 | 0.33 | 0.97 | 1844 | 0.19 | 2800 | |

EC 4020 - PDA 4020

| | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|---|
| 276.6 | 5.4 | 2606 | 1.5 | 3.6 | 2800 | 1.1 | 1.8 | 2800 | 0.53 | 2800 | 3 |
| 319.9 | 4.7 | 2683 | 1.3 | 3.1 | 2800 | 0.91 | 1.6 | 2800 | 0.47 | 2800 | |
| 347.1 | 4.3 | 2727 | 1.2 | 2.9 | 2800 | 0.85 | 1.4 | 2800 | 0.41 | 2800 | |
| 401.5 | 3.7 | 2800 | 1.1 | 2.5 | 2800 | 0.73 | 1.2 | 2800 | 0.35 | 2800 | |
| 450.8 | 3.3 | 2800 | 0.97 | 2.2 | 2800 | 0.65 | 1.1 | 2800 | 0.32 | 2800 | |
| 521.4 | 2.9 | 2800 | 0.85 | 1.9 | 2800 | 0.56 | 0.96 | 2800 | 0.28 | 2800 | |
| 556.6 | 2.7 | 2800 | 0.79 | 1.8 | 2800 | 0.53 | 0.90 | 2800 | 0.26 | 2800 | |
| 625.0 | 2.4 | 2800 | 0.70 | 1.6 | 2800 | 0.47 | 0.80 | 2800 | 0.23 | 2800 | |
| 712.7 | 2.1 | 2382 | 0.53 | 1.4 | 2526 | 0.37 | 0.70 | 2800 | 0.21 | 2800 | |
| 788.9 | 1.9 | 2800 | 0.56 | 1.3 | 2800 | 0.38 | 0.63 | 2800 | 0.18 | 2800 | |
| 853.1 | 1.8 | 2496 | 0.46 | 1.2 | 2604 | 0.32 | 0.59 | 2800 | 0.17 | 2800 | |
| 988.1 | 1.5 | 2478 | 0.39 | 1.0 | 2732 | 0.29 | 0.51 | 2800 | 0.15 | 2800 | |
| 1094 | 1.4 | 2800 | 0.41 | 0.91 | 2800 | 0.27 | 0.46 | 2800 | 0.13 | 2800 | |
| 1247 | 1.2 | 2275 | 0.29 | 0.80 | 2513 | 0.21 | 0.40 | 2800 | 0.12 | 2800 | |
| 1495 | 1.0 | 2737 | 0.29 | 0.67 | 2798 | 0.20 | 0.33 | 2800 | 0.10 | 2800 | |
| 1616 | 0.93 | 2536 | 0.25 | 0.62 | 2742 | 0.18 | 0.31 | 2800 | 0.09 | 2800 | |
| 1729 | 0.87 | 2466 | 0.22 | 0.58 | 2693 | 0.16 | 0.29 | 2800 | 0.09 | 2800 | |
| 2040 | 0.74 | 2800 | 0.22 | 0.49 | 2800 | 0.14 | 0.25 | 2800 | 0.07 | 2800 | |
| 2208 | 0.68 | 2694 | 0.19 | 0.45 | 2800 | 0.13 | 0.23 | 2800 | 0.07 | 2800 | |
| 2554 | 0.59 | 2770 | 0.17 | 0.39 | 2800 | 0.11 | 0.20 | 2800 | 0.06 | 2800 | |
| 2787 | 0.54 | 1399 | 0.08 | 0.36 | 1487 | 0.06 | 0.18 | 1652 | 0.03 | 2800 | |
| 3235 | 0.46 | 1623 | 0.08 | 0.31 | 1726 | 0.06 | 0.15 | 2800 | 0.04 | 2800 | |

Tutti i rapporti evidenziati (es. 10.50) hanno dimensioni particolari della coppia conica in certe versioni; vedere tavole dimensionali.

All ratios grey highlighted (ex. 10.50) have specific dimensions of the bevel gear set in some versions; see dimensional tables.

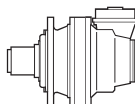
Alle mit (es. 10.50) gekennzeichneten Übersetzungen haben in bestimmten Versionen besondere Dimensionen des Kegelradtriebs. Siehe auch Dimensionstabellen.

Les rapports repérés par (es. 10.50) ont des dimensions de couple conique particulières. Voir les tableaux dimensionnels.

Todas las relaciones indicadas con (es. 10.50) tienen dimensiones particulares del par cónico según las versiones; ver las tablas de dimensión.

As relações marcadas com (es. 10.50) têm dimensões particulares da engrenagem cônica em certas versões; vide tabelas dimensionais.





| i_{eff} | 1500 | | | 1000 | | | 500 | | | T_{2max} [Nm] | P_T [kW] |
|-----------|----------------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|--------------------|---------------|
| | n_2 [rpm] | T_2 [Nm] | P_2 [kW] | n_2 [rpm] | T_2 [Nm] | P_2 [kW] | n_2 [rpm] | T_2 [Nm] | P_2 [kW] | | |

EC 2020 - PDA 2020

| | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|---|
| 10.50 | 143 | 2045 | 30.6 | 95 | 2149 | 21.4 | 47.6 | 2439 | 12.2 | 2800 | 8 |
| 12.39 | 121 | 1857 | 23.5 | 81 | 1947 | 16.5 | 40.4 | 2193 | 9.3 | 2800 | |
| 14.23 | 105 | 2235 | 24.7 | 70 | 2405 | 17.7 | 35.1 | 2794 | 10.3 | 2800 | |
| 16.17 | 93 | 2155 | 20.9 | 62 | 2302 | 14.9 | 30.9 | 2672 | 8.7 | 2800 | |
| 18.00 | 83 | 1421 | 12.4 | 56 | 1485 | 8.6 | 27.8 | 1651 | 4.8 | 2800 | |
| 19.08 | 79 | 1953 | 16.1 | 52 | 2070 | 11.4 | 26.2 | 2404 | 6.6 | 2800 | |
| 21.75 | 69 | 1223 | 8.8 | 46.0 | 1278 | 6.2 | 23.0 | 1417 | 3.4 | 2800 | |
| 23.89 | 63 | 1616 | 10.6 | 41.9 | 1699 | 7.4 | 20.9 | 1978 | 4.3 | 2800 | |
| 27.72 | 54 | 1489 | 8.4 | 36.1 | 1557 | 5.9 | 18.0 | 1813 | 3.4 | 2800 | |
| 33.50 | 44.8 | 1282 | 6.0 | 29.9 | 1336 | 4.2 | 14.9 | 1560 | 2.4 | 2800 | |

EC 3020 - PDA 3020

| | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|---|
| 46.09 | 32.5 | 2644 | 9.0 | 21.7 | 2800 | 6.4 | 10.8 | 2800 | 3.1 | 2800 | 5 |
| 52.42 | 28.6 | 1849 | 5.5 | 19.1 | 2017 | 4.0 | 9.5 | 2325 | 2.3 | 2800 | |
| 57.85 | 25.9 | 2045 | 5.6 | 17.3 | 2309 | 4.2 | 8.6 | 2800 | 2.5 | 2800 | |
| 63.00 | 23.8 | 2200 | 5.5 | 15.9 | 2316 | 3.9 | 7.9 | 2610 | 2.2 | 2800 | |
| 68.26 | 22.0 | 2413 | 5.6 | 14.6 | 2706 | 4.2 | 7.3 | 2800 | 2.1 | 2800 | |
| 75.13 | 20.0 | 2656 | 5.6 | 13.3 | 2800 | 3.9 | 6.7 | 2800 | 2.0 | 2800 | |
| 88.66 | 16.9 | 2629 | 4.7 | 11.3 | 2800 | 3.3 | 5.6 | 2800 | 1.6 | 2800 | |
| 102.7 | 14.6 | 2339 | 3.6 | 9.7 | 2479 | 2.5 | 4.9 | 2780 | 1.4 | 2800 | |
| 111.0 | 13.5 | 2167 | 3.1 | 9.0 | 2352 | 2.2 | 4.5 | 2695 | 1.3 | 2800 | |
| 121.2 | 12.4 | 2760 | 3.6 | 8.3 | 2800 | 2.4 | 4.1 | 2800 | 1.2 | 2800 | |
| 142.4 | 10.5 | 2430 | 2.7 | 7.0 | 2690 | 2.0 | 3.5 | 2800 | 1.0 | 2800 | |
| 168.0 | 8.9 | 2800 | 2.6 | 6.0 | 2800 | 1.8 | 3.0 | 2800 | 0.88 | 2800 | |
| 175.5 | 8.5 | 2377 | 2.1 | 5.7 | 2575 | 1.5 | 2.8 | 2800 | 0.82 | 2800 | |
| 194.3 | 7.7 | 2587 | 2.1 | 5.1 | 2800 | 1.5 | 2.6 | 2800 | 0.76 | 2800 | |
| 210.3 | 7.1 | 2464 | 1.8 | 4.8 | 2667 | 1.3 | 2.4 | 2800 | 0.70 | 2800 | |
| 243.3 | 6.2 | 2535 | 1.6 | 4.1 | 2743 | 1.2 | 2.1 | 2800 | 0.62 | 2800 | |
| 282.3 | 5.3 | 2326 | 1.3 | 3.5 | 2517 | 0.93 | 1.8 | 2800 | 0.53 | 2800 | |
| 308.1 | 4.9 | 1565 | 0.80 | 3.2 | 1607 | 0.55 | 1.6 | 1788 | 0.30 | 2800 | |
| 368.1 | 4.1 | 1378 | 0.59 | 2.7 | 1456 | 0.41 | 1.4 | 1619 | 0.23 | 2800 | |
| 427.1 | 3.5 | 1599 | 0.59 | 2.3 | 1690 | 0.41 | 1.2 | 1879 | 0.23 | 2800 | |
| 516.1 | 2.9 | 1932 | 0.59 | 1.9 | 2042 | 0.41 | 0.97 | 2271 | 0.23 | 2800 | |

EC 4020 - PDA 4020

| | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|---|
| 276.6 | 5.4 | 2800 | 1.6 | 3.6 | 2800 | 1.1 | 1.8 | 2800 | 0.53 | 2800 | 3 |
| 319.9 | 4.7 | 2800 | 1.4 | 3.1 | 2800 | 0.91 | 1.6 | 2800 | 0.47 | 2800 | |
| 347.1 | 4.3 | 2800 | 1.3 | 2.9 | 2800 | 0.85 | 1.4 | 2800 | 0.41 | 2800 | |
| 401.5 | 3.7 | 2800 | 1.1 | 2.5 | 2800 | 0.73 | 1.2 | 2800 | 0.35 | 2800 | |
| 450.8 | 3.3 | 2800 | 0.97 | 2.2 | 2800 | 0.65 | 1.1 | 2800 | 0.32 | 2800 | |
| 521.4 | 2.9 | 2800 | 0.85 | 1.9 | 2800 | 0.56 | 0.96 | 2800 | 0.28 | 2800 | |
| 556.6 | 2.7 | 2800 | 0.79 | 1.8 | 2800 | 0.53 | 0.90 | 2800 | 0.26 | 2800 | |
| 625.0 | 2.4 | 2800 | 0.70 | 1.6 | 2800 | 0.47 | 0.80 | 2800 | 0.23 | 2800 | |
| 712.7 | 2.1 | 2800 | 0.62 | 1.4 | 2800 | 0.41 | 0.70 | 2800 | 0.21 | 2800 | |
| 788.9 | 1.9 | 2800 | 0.56 | 1.3 | 2800 | 0.38 | 0.63 | 2800 | 0.18 | 2800 | |
| 853.1 | 1.8 | 2800 | 0.53 | 1.2 | 2800 | 0.35 | 0.59 | 2800 | 0.17 | 2800 | |
| 988.1 | 1.5 | 2800 | 0.44 | 1.0 | 2800 | 0.29 | 0.51 | 2800 | 0.15 | 2800 | |
| 1094 | 1.4 | 2800 | 0.41 | 0.91 | 2800 | 0.27 | 0.46 | 2800 | 0.13 | 2800 | |
| 1247 | 1.2 | 2800 | 0.35 | 0.80 | 2800 | 0.23 | 0.40 | 2800 | 0.12 | 2800 | |
| 1495 | 1.0 | 2800 | 0.29 | 0.67 | 2800 | 0.20 | 0.33 | 2800 | 0.10 | 2800 | |
| 1616 | 0.93 | 2800 | 0.27 | 0.62 | 2800 | 0.18 | 0.31 | 2800 | 0.09 | 2800 | |
| 1729 | 0.87 | 2800 | 0.26 | 0.58 | 2800 | 0.17 | 0.29 | 2800 | 0.09 | 2800 | |
| 2040 | 0.74 | 2800 | 0.22 | 0.49 | 2800 | 0.14 | 0.25 | 2800 | 0.07 | 2800 | |
| 2208 | 0.68 | 2800 | 0.20 | 0.45 | 2800 | 0.13 | 0.23 | 2800 | 0.07 | 2800 | |
| 2554 | 0.59 | 2800 | 0.17 | 0.39 | 2800 | 0.11 | 0.20 | 2800 | 0.06 | 2800 | |
| 2787 | 0.54 | 1864 | 0.11 | 0.36 | 2006 | 0.08 | 0.18 | 2409 | 0.05 | 2800 | |
| 3235 | 0.46 | 2163 | 0.11 | 0.31 | 2328 | 0.08 | 0.15 | 2796 | 0.05 | 2800 | |

Tutti i rapporti evidenziati (es. 10.50) hanno dimensioni particolari della coppia conica in certe versioni; vedere tavole dimensionali.

All ratios grey highlighted (ex. 10.50) have specific dimensions of the bevel gear set in some versions; see dimensional tables.

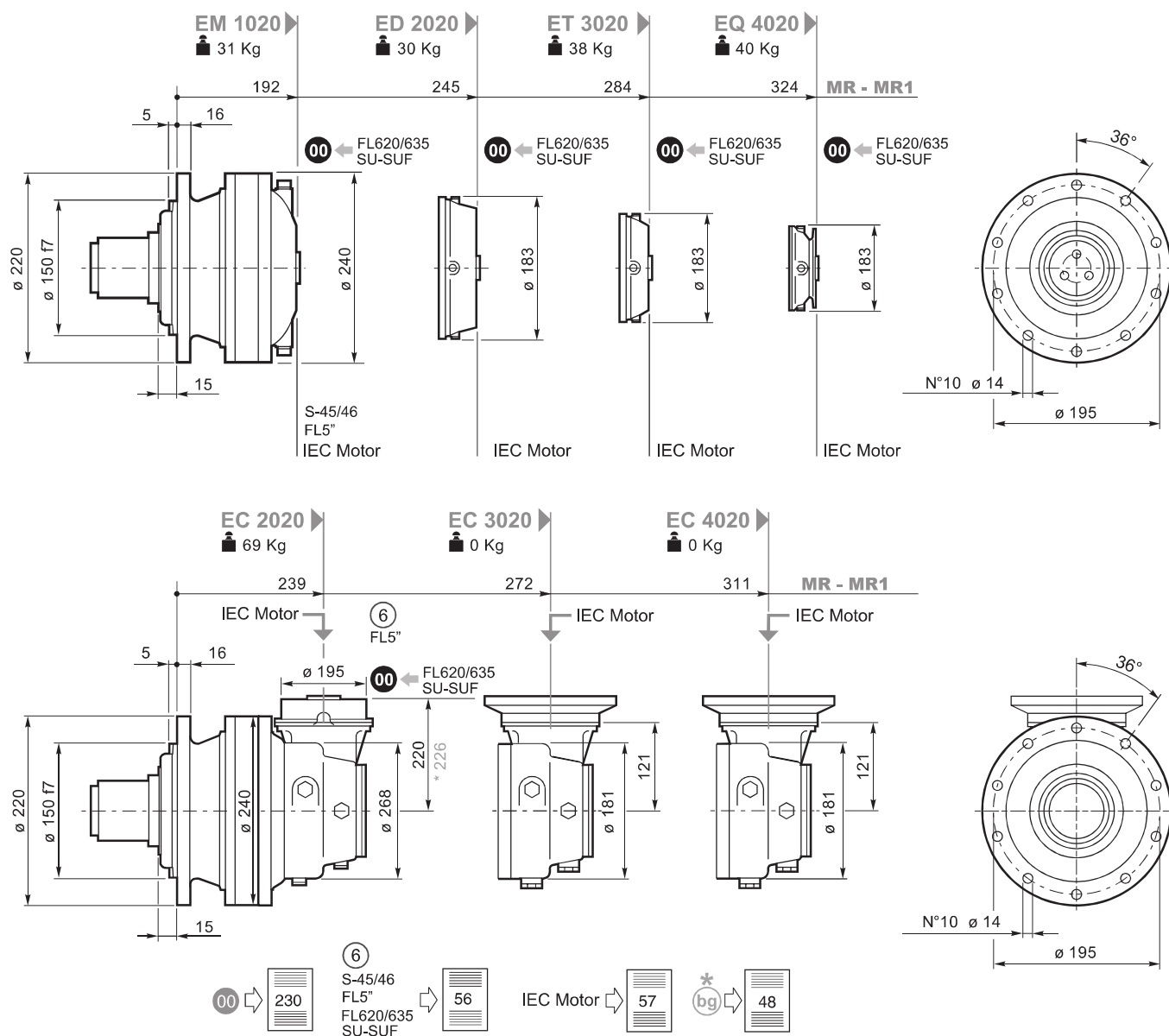
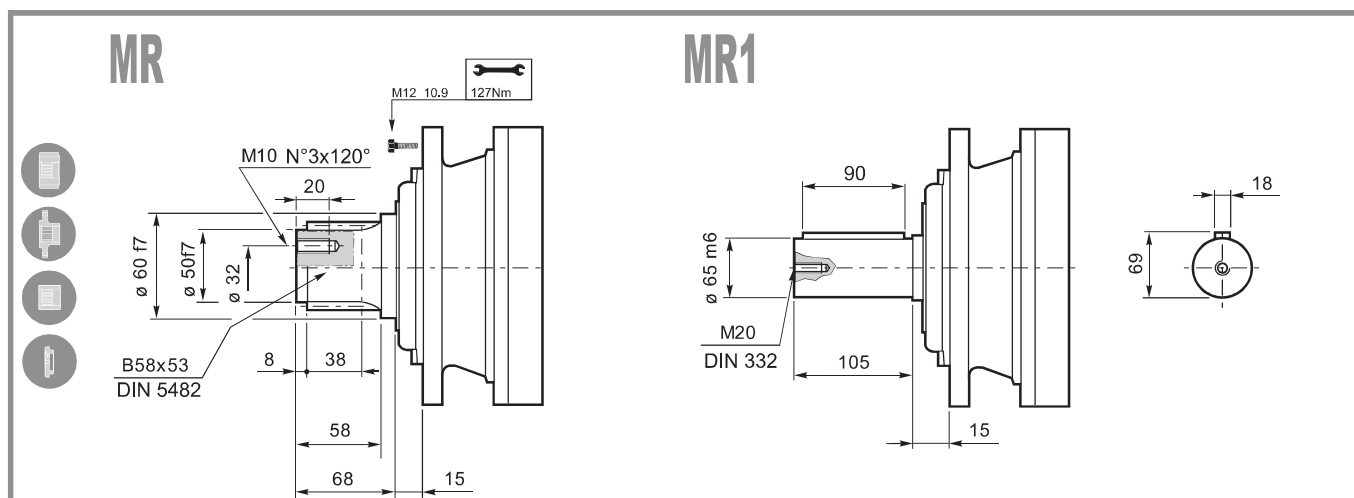
Alle mit (es. 10.50) gekennzeichneten Übersetzungen haben in bestimmten Versionen besondere Dimensionen des Kegelradtriebs. Siehe auch Dimensionstabellen.

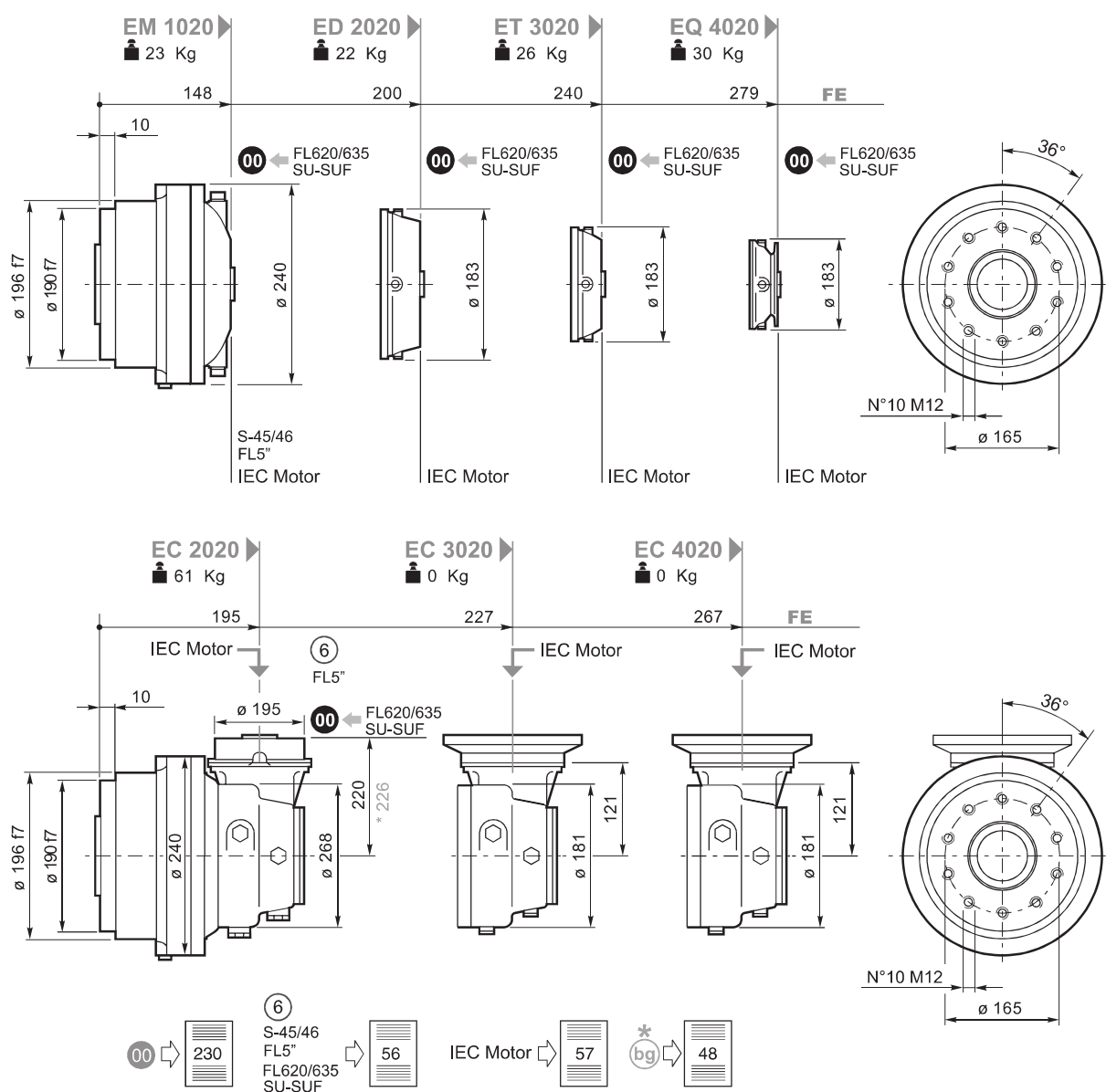
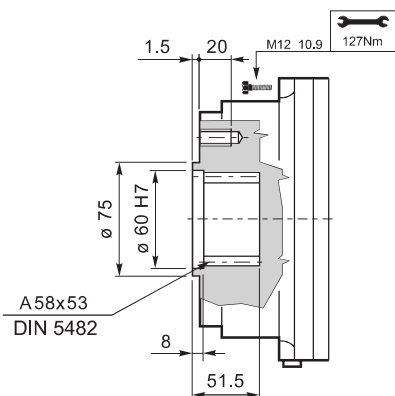
Les rapports repérés par (es. 10.50) ont des dimensions de couple conique particulières. Voir les tableaux dimensionnels.

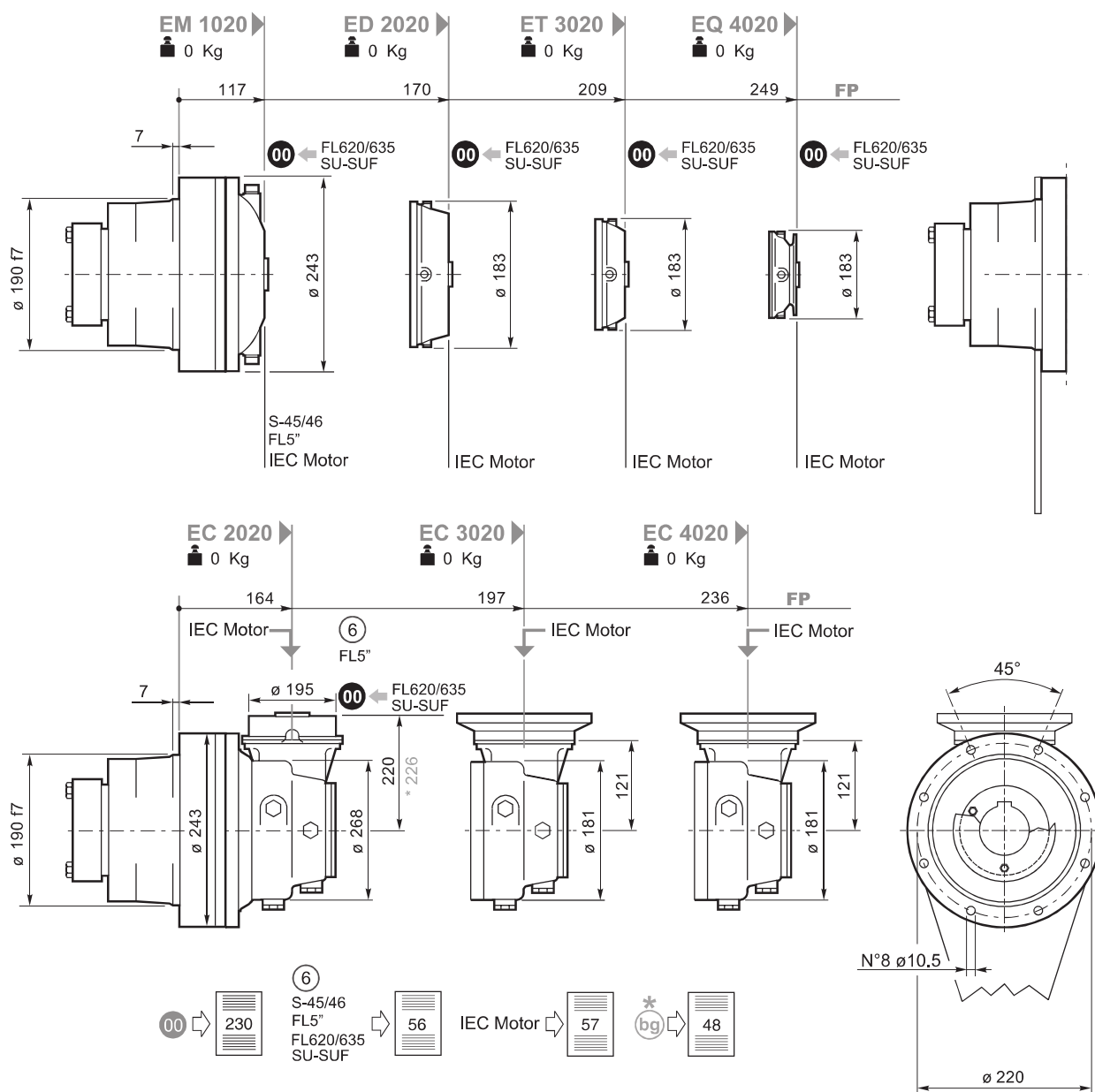
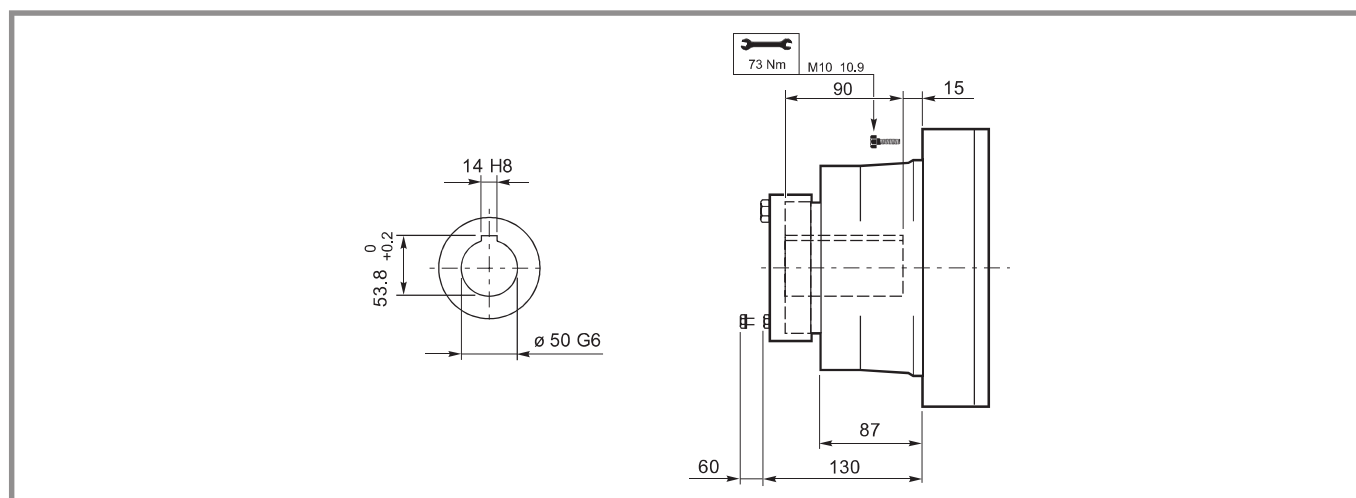
Todas las relaciones indicadas con (es. 10.50) tienen dimensiones particulares del par cónico según las versiones; ver las tablas de dimensión.

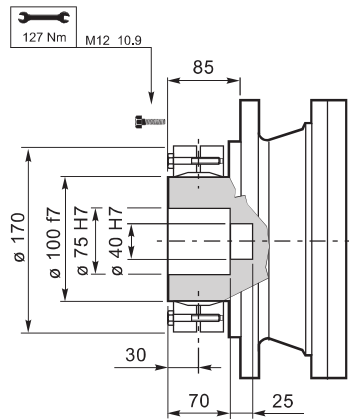
As relações marcadas com (es. 10.50) têm dimensões particulares da engrenagem cônica em certas versões; vide tabelas dimensionais.

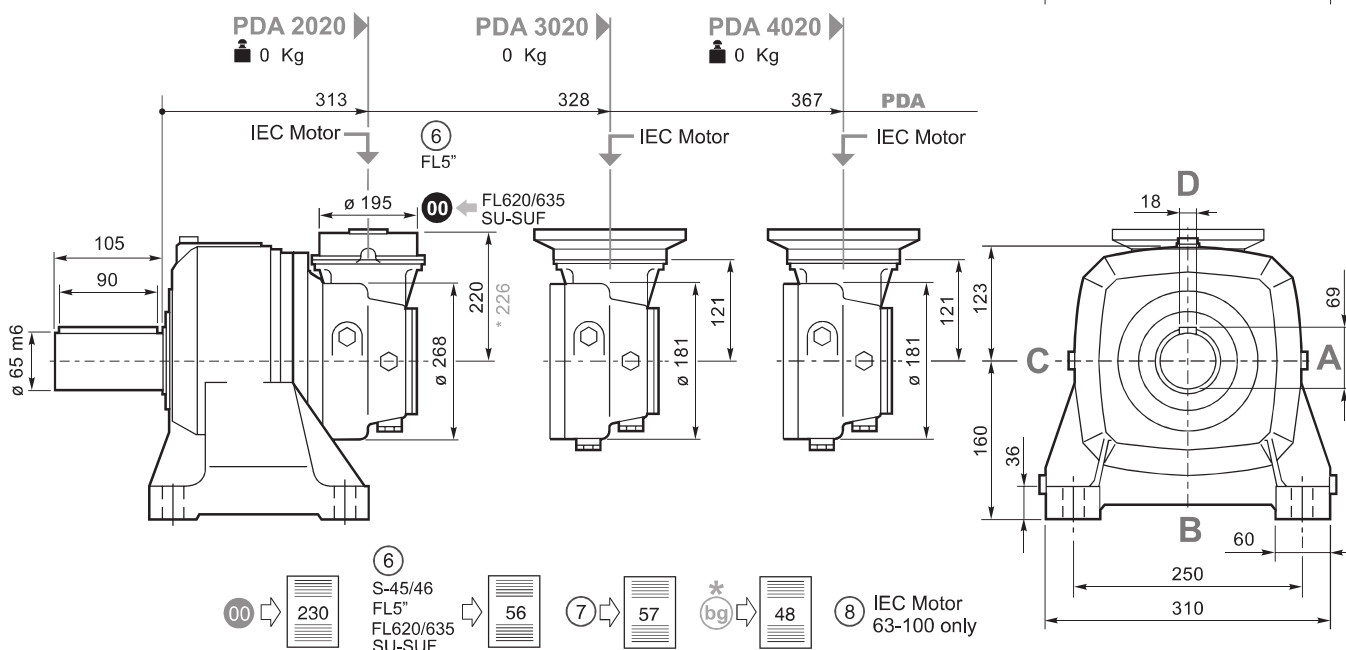
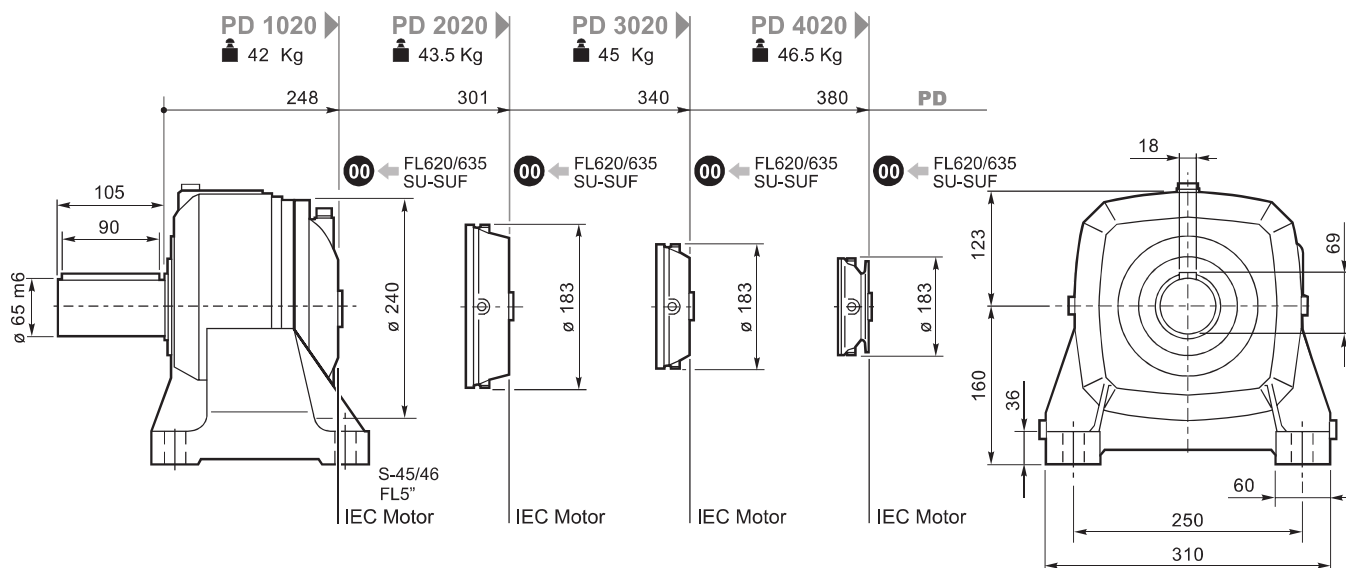
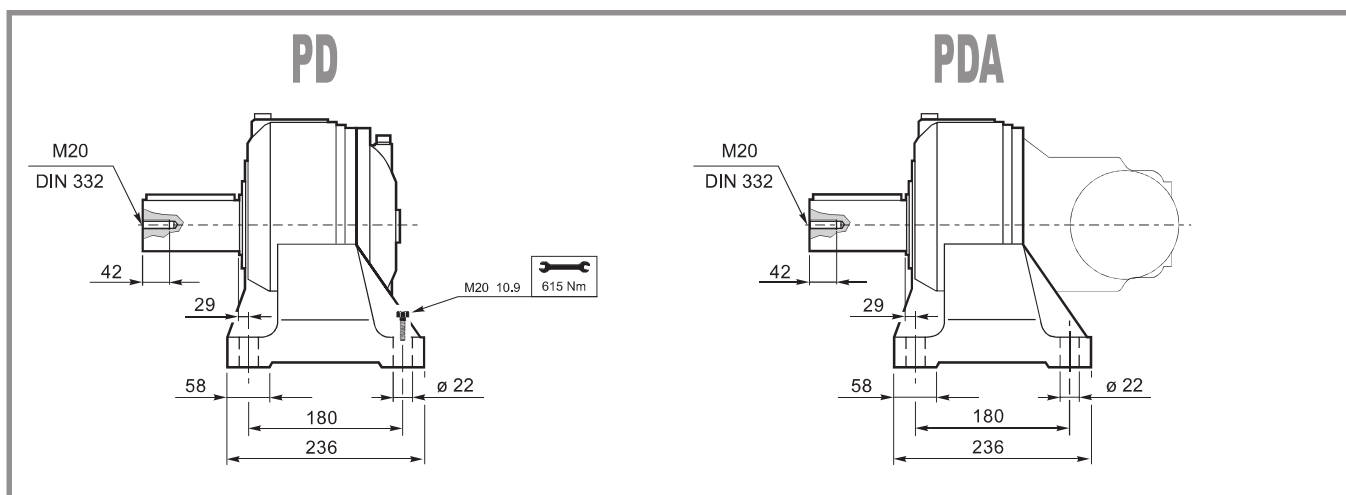




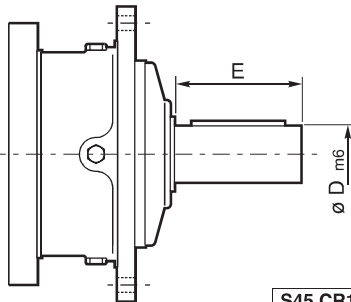




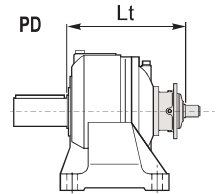
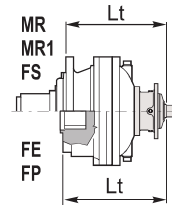




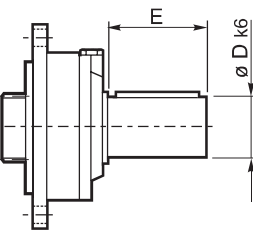
S45CR1-S46C1



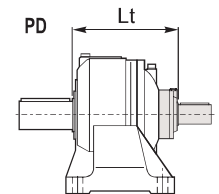
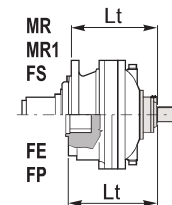
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|----------------|---------|-----|----------------|-----------|-----|-----|-----|
| | | | | MR-MR1-FS | FE | FP | PD |
| S45 CR1 | 65 | 105 | EM 1020 | 255 | 211 | 185 | 311 |
| S46 C1 | 65 | 105 | EM 1020 | 296 | 252 | 226 | 352 |



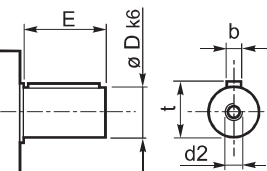
SU2



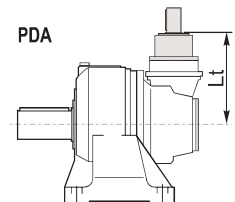
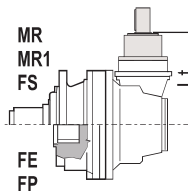
| | D k6 | E | | Lt | | | |
|-------------|---------|----|----------------|-----------|-----|-----|-----|
| | | | | MR-MR1-FS | FE | FP | PD |
| SU 2 | 40 | 58 | EM 1020 | 252 | 208 | 182 | 308 |
| | | | ED 2020 | 305 | 260 | 235 | 361 |
| | | | ET 3020 | 344 | 300 | 274 | 400 |
| | | | EQ 4020 | 384 | 339 | 314 | 440 |



⑥ 48.82



| | D | E | | Lt |
|--------------|----|----|----------------|---------------------|
| | | | | MR-MR1-FS-FE-FP-PDA |
| 48.82 | 48 | 82 | EC 2020 | 280 |



Per le configurazioni in entrata: S46C1, 48.82 (CC40 - CC41), FL5" è disponibile a richiesta il dispositivo antirritorno; per ulteriori informazioni e dati tecnici consultare il Servizio Tecnico Commerciale di Brevini Riduttori.

Anti-run back device is available for following input settings: S46C1, 48.82 (CC40 - CC41), FL5"; for further information and technical data please contact Brevini Riduttori Technical Sales Service.

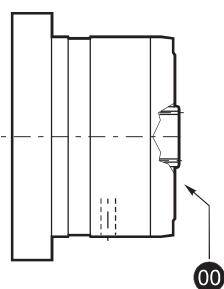
Für die Antriebskonfigurationen: S46C1, 48.82 (CC40 - CC41), FL5" ist auf Anfrage eine Rücklauf Sperre verfügbar. Weitere Informationen und die Technischen Daten erhalten Sie beim Technischen Verkaufsservice der Brevini Riduttori.

Pour les configurations d'entrée : S46C1, 48.82 (CC40 - CC41), FL5" le dispositif antidéviéreur est disponible sur demande ; pour toute information supplémentaire ou toutes données techniques, s'adresser au Service Technique Commercial de Brevini Riduttori.

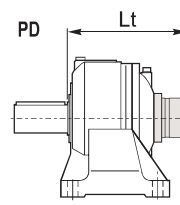
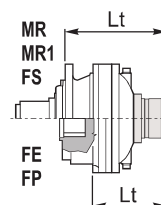
Para las configuraciones en entrada: S46C1, 48.82 (CC40 - CC41), FL5" , se encuentra disponible a pedido, el dispositivo antirretroceso; para ulteriores informaciones y datos técnicos, consultar al Servicio Técnico Comercial de Brevini Riduttori.

Para as configurações na entrada: S46C1, 48.82 (CC40 - CC41), FL5" está disponível, a pedido, o dispositivo contra-recuos; para mais informações e dados técnicos, contacte o Serviço Técnico Comercial da Brevini Riduttori.

FL250-FL350-FL450



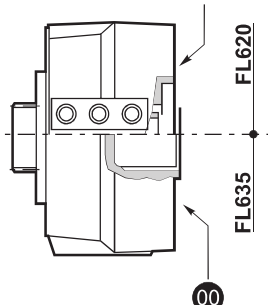
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|----------------------|----------|-----------|-----|-----|--------|
| | | MR-MR1-FS | FE | FP | PD-PDA |
| FL250-FL350 FL450 | EM 1020 | 285 | 241 | 215 | 342 |
| | EC 2020 | 280 | 280 | 280 | 280 |
| | EC 2020* | 377 | 377 | 377 | 377 |



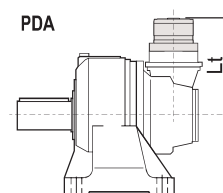
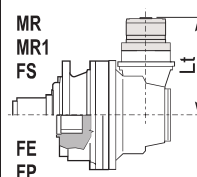
FL620.10
FL635.10

FL620.U-FL635.U

SAE A-AA
Shaft FE

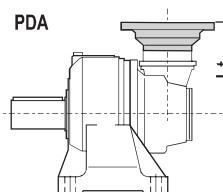
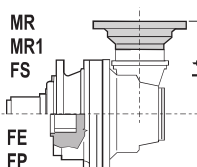
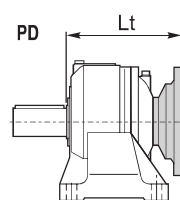
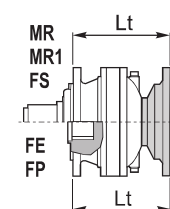


| | | Lt | | | |
|----------|----------|-----------|-------|-------|-------|
| | | MR-MR1-FS | FE | FP | PD |
| FL620.U | EM 1020 | 296.5 | 252.5 | 226.5 | 352.5 |
| | ED 2020 | 349.5 | 304.5 | 279.5 | 405.5 |
| | ET 3020 | 388.5 | 344.5 | 318.5 | 444.5 |
| | EQ 4020 | 428.5 | 383.5 | 358.5 | 484.5 |
| | EC 2020 | 324.5 | 324.5 | 324.5 | 324.5 |
| FL635.U | EC 2020* | 330.5 | 330.5 | 330.5 | 330.5 |
| | EM 1020 | 283 | 329 | 213 | 339 |
| | ED 2020 | 336 | 291 | 266 | 392 |
| | ET 3020 | 375 | 331 | 305 | 431 |
| | EQ 4020 | 415 | 370 | 345 | 471 |
| FL620.10 | EC 2020 | 311 | 311 | 311 | 311 |
| | EC 2020* | 317 | 317 | 317 | 317 |
| | ED 2020 | 308.5 | 263.5 | — | 364 |
| FL635.10 | ET 3020 | 347.5 | 303.5 | — | 404 |
| | EQ 4020 | 387.5 | 342.5 | — | 443 |
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| | ET 3020 | 329 | 285 | 259 | 385 |
| | EQ 4020 | 369 | 325 | 299 | 425 |



IEC Motor

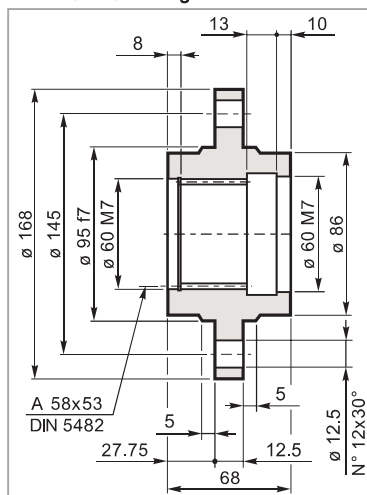
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|----------|---------------------|--------|--------|-----------|-------------|---------|-------------|---------|---------|
| | | IEC 63 | IEC 71 | IEC 80 90 | IEC 100 112 | IEC 132 | IEC 160 180 | IEC 200 | IEC 225 |
| EM 1020 | MR-MR1-FS | 212 | 214 | 219 | 220 | 287 | 328 | 328 | 359 |
| EM 1020 | FE | 168 | 170 | 175 | 176 | 243 | 274 | 284 | 315 |
| EM 1020 | FP | | | | | | | | |
| ED 2020 | MR-MR1-FS | 265 | 267 | 272 | 273 | 340 | | | |
| ED 2020 | FE | 220 | 222 | 227 | 228 | 295 | | | |
| ED 2020 | FP | | | | | | | | |
| ET 3020 | MR-MR1-FS | 304 | 306 | 311 | 312 | 379 | | | |
| ET 3020 | FE | 260 | 262 | 267 | 268 | 335 | | | |
| ET 3020 | FP | | | | | | | | |
| EQ 4020 | MR-MR1-FS | 344 | 346 | 351 | 352 | 419 | | | |
| EQ 4020 | FE | 299 | 301 | 306 | 307 | 374 | | | |
| EQ 4020 | FP | | | | | | | | |
| PD 1020 | PD | 268 | 270 | 275 | 276 | 343 | 374 | 384 | 415 |
| PD 2020 | PD | 321 | 323 | 328 | 379 | 396 | 427 | | |
| PD 3020 | PD | 360 | 362 | 367 | 373 | 435 | | | |
| PD 4020 | PD | 400 | 402 | 407 | 408 | 475 | | | |
| EC 2020 | MR-MR1-FE-FS-FP-PDA | 240 | 242 | 247 | 248 | 315 | | | |
| EC 2020* | MR-MR1-FE-FS-FP-PDA | 246 | 248 | 253 | 254 | 321 | | | |
| EC 3020 | MR-MR1-FE-FS-FP-PDA | 151 | 151 | 151 | 151 | 238 | | | |
| EC 4020 | MR-MR1-FE-FS-FP-PDA | 151 | 151 | 151 | 151 | 238 | | | |





Flangia ruota
Driving flange
Radnabenflansch
Flasque de roue
Brida de la rueda
Flange de roda

FA 020

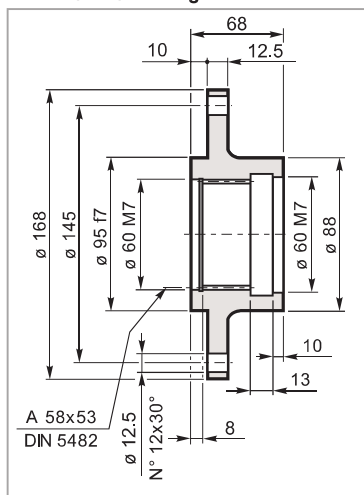


Mat. C40 UNI EN 10083
Code: 34700641800



Flangia ruota
Driving flange
Radnabenflansch
Flasque de roue
Brida de la rueda
Flange de roda

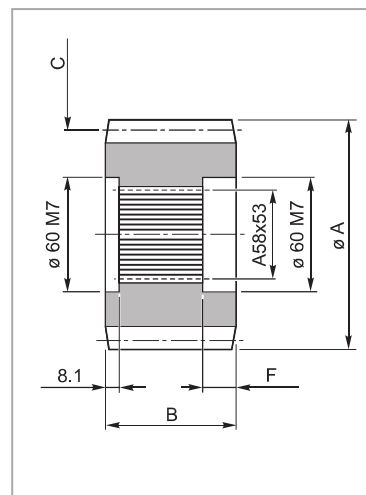
FR 020



Mat. C40 UNI EN 10083
Code: 34700131800

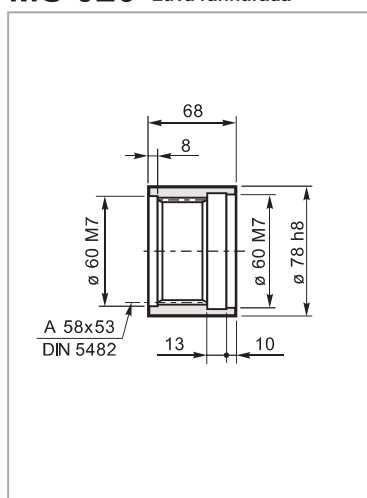


Pignoni
Pinion
Ritzel
Pignon
Piñones
Pinhões



Manicotto scanalato
Splined bush
Keilmuffe
Manchon cannelée
Manguito acanalado
Luva ranhurada

MS 020

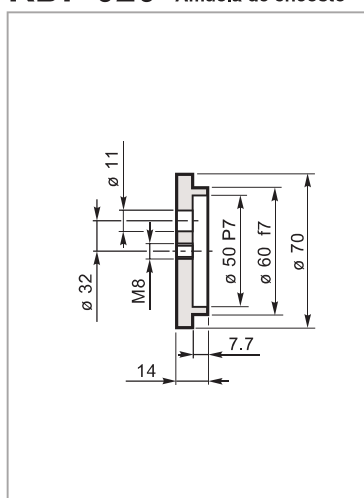


Mat. 39NiCrMo3 UNI EN 10083
Code: 39102848500



Rondella di fermo
Shaft cover
Gegenseibe
Rondelle frein
Arandela de bloqueo
Amuela de encosto

RDF 020



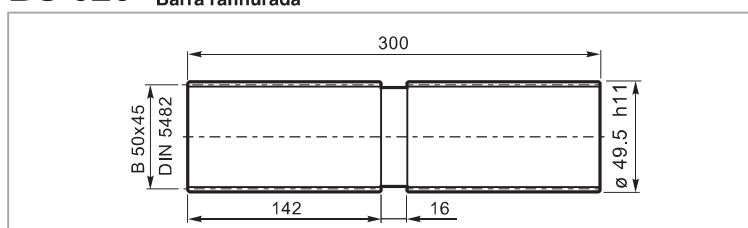
Mat. C40 UNI EN 10083
Code: 37201040800

| code | A | B | C | F |
|---------------|-------|----|-----------------|------|
| 335.0143.0800 | 114.8 | 68 | M=8 Z=12 X=0.3 | 23.5 |
| 335.0174.0800 | 99.6 | 68 | M=6 Z=14 X=0.3 | 24 |
| 335.0353.000K | 127.6 | 68 | M=8 Z=13 X=0.54 | 23.5 |
| 335.5193.060 | 115 | 68 | M=5 Z=21 — | 24 |
| 335.6273.000 | 120 | 68 | M=8 Z=13 — | 24 |



Barra scanalata
Splined bar
Zugspindel
Barre cannelée
Barra acanalada
Barra ranhurada

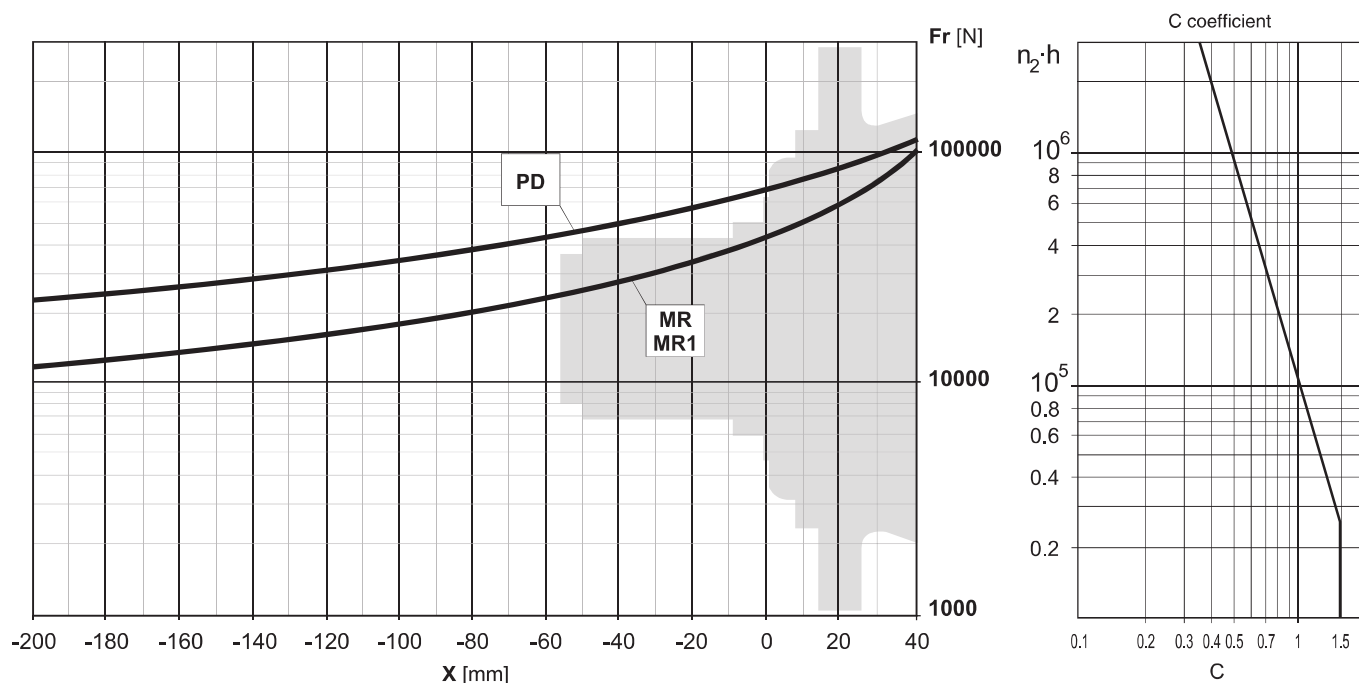
BS 020



Code: 39126930100

Mat: Acciaio legato ad elevata resistenza meccanica
Alloyed steel with high mechanical resistance
Legierungsstahl mit hoher mechanischer Festigkeit
Alliage d'acier à haute résistance mécanique
Aleación de acero de elevada resistencia mecánica
Aço ligado de elevada resistência mecânica

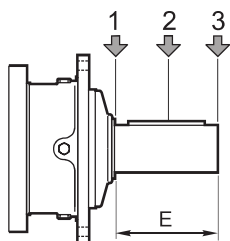
Carichi radiali sugli alberi uscita / Radial loads on output shafts
 Radiallasten auf de Abtriebswellen / Charges radiales sur les arbres de sortie
 Cargas sobre los ejes de salida / Cargas radiais nos eixos de saída



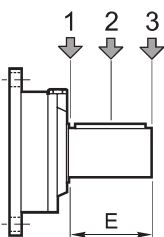
Carichi assiali / Axial loads / Axialkräfte / Charges axiales / Cargas axiales / Forças axiais

| | | | | |
|-------------------------|-----|----------------|--------|--------|
| | | Flange mounted | | PD-PDA |
| | | MN-MN1 | MR-MR1 | MR1 |
| Fa_{din} | [N] | — | 35000 | 25000 |
| Fa_{max} | [N] | — | 60000 | 25000 |

Carichi radiali sugli alberi entrata / Radial loads on input shafts
 Radiallasten auf de Antriebswellen / Charges radiales sur les arbres d'entrée
 Cargas sobre los ejes de entrada / Cargas radiais nos eixos de entrada



| Type | E | Fr [N] | | | | | |
|---------|-----|--------------------------------------|------|------|--------------------------------------|------|------|
| | | n ₁ · h = 10 ⁷ | | | n ₁ · h = 10 ⁸ | | |
| | | 1 | 2 | 3 | 1 | 2 | 3 |
| S45 CR1 | 105 | 10000 | 6000 | 4000 | 5000 | 3000 | 2000 |
| S46 C1 | 105 | 14000 | 8800 | 6400 | 7000 | 4400 | 3200 |



| Type | E | Fr [N] | | | | | |
|------|----|--------------------------------------|------|------|--------------------------------------|------|-----|
| | | n ₁ · h = 10 ⁷ | | | n ₁ · h = 10 ⁸ | | |
| | | 1 | 2 | 3 | 1 | 2 | 3 |
| SU2 | 58 | 3000 | 2000 | 1500 | 1400 | 1000 | 700 |