

MADE IN ITALY

| Misura Size | | DF | DS | Rate | Max Working Stroke | MWS 13% | | MWS 30% | | MWS 45% | | MWS 62% | | MWS 80% | |
|-------------|-----|------|------|-------|--------------------|---------|------|---------|-----|---------|-----|---------|------|---------|------|
| D1 | L1 | mm. | mm. | N/mm. | mm. | mm. | N | mm. | N | mm. | N | mm. | N | mm. | N |
| 10 | 25 | 10 | 5 | 16.0 | 12 | 1.5 | 25 | 3.6 | 57 | 5.3 | 86 | 7.4 | 118 | 9.5 | 152 |
| | 32 | | | 13.0 | 15 | 2.0 | 26 | 4.6 | 59 | 6.9 | 89 | 9.5 | 123 | 12.2 | 159 |
| | 38 | | | 11.9 | 18 | 2.3 | 28 | 5.4 | 64 | 8.1 | 96 | 11.2 | 133 | 14.4 | 171 |
| | 44 | | | 10.3 | 21 | 2.7 | 28 | 6.3 | 65 | 9.4 | 97 | 12.9 | 133 | 16.7 | 172 |
| | 51 | | | 8.9 | 24 | 3.2 | 28 | 7.3 | 65 | 10.9 | 97 | 15.0 | 134 | 19.4 | 173 |
| | 64 | | | 7.5 | 30 | 3.9 | 30 | 9.1 | 68 | 13.7 | 103 | 18.8 | 141 | 24.3 | 182 |
| | 76 | | | 5.3 | 36 | 4.7 | 25 | 10.8 | 57 | 16.3 | 86 | 22.4 | 119 | 28.9 | 153 |
| | 305 | | | 1.6 | 145 | 18.9 | 30 | 43.5 | 70 | 65.3 | 104 | 89.9 | 144 | 116.0 | 186 |
| 13 | 25 | 12.5 | 6.3 | 30.0 | 12 | 1.5 | 46 | 3.6 | 107 | 5.3 | 160 | 7.4 | 221 | 9.5 | 285 |
| | 32 | | | 24.8 | 15 | 2.0 | 49 | 4.6 | 113 | 6.9 | 170 | 9.5 | 234 | 12.2 | 303 |
| | 38 | | | 21.4 | 18 | 2.3 | 50 | 5.4 | 116 | 8.1 | 173 | 11.2 | 239 | 14.4 | 308 |
| | 44 | | | 18.5 | 21 | 2.7 | 50 | 6.3 | 116 | 9.4 | 174 | 12.9 | 239 | 16.7 | 309 |
| | 51 | | | 15.5 | 24 | 3.2 | 49 | 7.3 | 113 | 10.9 | 169 | 15.0 | 233 | 19.4 | 301 |
| | 64 | | | 12.1 | 30 | 3.9 | 48 | 9.1 | 110 | 13.7 | 165 | 18.8 | 228 | 24.3 | 294 |
| | 76 | | | 10.2 | 36 | 4.7 | 48 | 10.8 | 111 | 16.3 | 166 | 22.4 | 228 | 28.9 | 295 |
| | 89 | | | 8.4 | 42 | 5.5 | 46 | 12.7 | 106 | 19.0 | 160 | 26.2 | 220 | 33.8 | 284 |
| | 305 | | | 2.1 | 145 | 18.9 | 40 | 43.5 | 91 | 65.3 | 137 | 89.9 | 189 | 116.0 | 244 |
| 16 | 25 | 16 | 8 | 49.4 | 12 | 1.5 | 76 | 3.6 | 176 | 5.3 | 264 | 7.4 | 364 | 9.5 | 469 |
| | 32 | | | 37.1 | 15 | 2.0 | 74 | 4.6 | 170 | 6.9 | 255 | 9.5 | 651 | 12.2 | 453 |
| | 38 | | | 33.9 | 18 | 2.3 | 79 | 5.4 | 183 | 8.1 | 275 | 11.2 | 378 | 14.4 | 488 |
| | 44 | | | 30.0 | 21 | 2.7 | 81 | 6.3 | 188 | 9.4 | 282 | 12.9 | 388 | 16.7 | 501 |
| | 51 | | | 26.4 | 24 | 3.2 | 83 | 7.3 | 192 | 10.9 | 288 | 15.0 | 397 | 19.4 | 512 |
| | 64 | | | 20.5 | 30 | 3.9 | 81 | 9.1 | 187 | 13.7 | 280 | 18.8 | 386 | 24.3 | 498 |
| | 76 | | | 17.8 | 36 | 4.7 | 84 | 10.8 | 193 | 16.3 | 289 | 22.4 | 399 | 28.9 | 514 |
| | 89 | | | 15.2 | 42 | 5.5 | 83 | 12.7 | 193 | 19.0 | 289 | 26.2 | 398 | 33.8 | 514 |
| | 102 | | | 13.5 | 49 | 6.3 | 85 | 14.6 | 196 | 21.8 | 295 | 30.1 | 406 | 38.8 | 524 |
| | 305 | | | 4.8 | 145 | 18.9 | 90 | 43.5 | 209 | 65.3 | 313 | 89.9 | 432 | 116.0 | 557 |
| | 19 | | | 25 | 20 | 10 | 98.0 | 12 | 1.5 | 150 | 3.5 | 345 | 5.3 | 518 | 7.3 |
| 32 | | 72.6 | 15 | 2.0 | | | 142 | 4.5 | 327 | 6.8 | 490 | 9.3 | 675 | 12.0 | 871 |
| 38 | | 56.0 | 18 | 2.3 | | | 127 | 5.3 | 294 | 7.9 | 441 | 10.9 | 608 | 14.0 | 784 |
| 44 | | 47.5 | 21 | 2.7 | | | 127 | 6.2 | 294 | 9.3 | 441 | 12.8 | 607 | 16.5 | 784 |
| 51 | | 41.7 | 24 | 3.2 | | | 129 | 7.1 | 297 | 10.7 | 446 | 14.7 | 614 | 19.0 | 792 |
| 64 | | 32.3 | 30 | 3.9 | | | 126 | 9.0 | 291 | 13.5 | 436 | 18.6 | 601 | 24.0 | 775 |
| 76 | | 25.1 | 35 | 4.6 | | | 114 | 10.5 | 264 | 15.8 | 395 | 21.7 | 545 | 28.0 | 703 |
| 89 | | 22.0 | 41 | 5.4 | | | 118 | 12.4 | 272 | 18.6 | 408 | 25.6 | 563 | 33.0 | 726 |
| 102 | | 19.8 | 48 | 6.2 | | | 122 | 14.3 | 282 | 21.4 | 423 | 29.5 | 583 | 38.0 | 752 |
| 115 | | 18.1 | 54 | 7.0 | | | 126 | 16.1 | 292 | 24.2 | 438 | 33.3 | 603 | 43.0 | 778 |
| 127 | | 16.6 | 60 | 7.8 | | | 129 | 18.0 | 299 | 27.0 | 448 | 37.2 | 618 | 48.0 | 797 |
| 139 | | 15.1 | 65 | 8.5 | | | 128 | 19.5 | 294 | 29.3 | 442 | 40.3 | 609 | 52.0 | 785 |
| 152 | | 13.2 | 71 | 9.3 | | | 122 | 21.4 | 282 | 32.1 | 423 | 44.2 | 583 | 57.0 | 752 |
| 305 | | 6.1 | 143 | 18.5 | | | 113 | 42.8 | 261 | 64.1 | 391 | 88.4 | 539 | 114.0 | 695 |
| 26 | 25 | 25 | 12.5 | 147.0 | 12 | 1.5 | 225 | 3.5 | 518 | 5.3 | 777 | 7.3 | 1071 | 9.4 | 1382 |
| | 32 | | | 118.0 | 15 | 2.0 | 230 | 4.5 | 531 | 6.8 | 797 | 9.3 | 1097 | 12.0 | 1416 |
| | 38 | | | 93.0 | 18 | 2.3 | 212 | 5.3 | 488 | 7.9 | 732 | 10.9 | 1009 | 14.0 | 1302 |
| | 44 | | | 80.8 | 21 | 2.7 | 217 | 6.2 | 500 | 9.3 | 750 | 12.8 | 1033 | 16.5 | 1333 |
| | 51 | | | 68.6 | 24 | 3.1 | 212 | 7.1 | 489 | 10.7 | 733 | 14.7 | 1010 | 19.0 | 1303 |
| | 64 | | | 53.0 | 30 | 3.9 | 207 | 9.0 | 477 | 13.5 | 716 | 18.6 | 986 | 24.0 | 1272 |
| | 76 | | | 43.2 | 35 | 4.6 | 197 | 10.5 | 454 | 15.8 | 680 | 21.7 | 937 | 28.0 | 1210 |
| | 89 | | | 38.2 | 41 | 5.4 | 205 | 12.4 | 473 | 18.6 | 709 | 25.6 | 977 | 33.0 | 1261 |
| | 102 | | | 33.0 | 48 | 6.2 | 204 | 14.3 | 470 | 21.4 | 705 | 29.5 | 972 | 38.0 | 1254 |
| | 115 | | | 28.0 | 54 | 7.0 | 196 | 16.1 | 452 | 24.2 | 677 | 33.3 | 933 | 43.0 | 1204 |
| | 127 | | | 25.9 | 60 | 7.8 | 202 | 18.0 | 466 | 27.0 | 699 | 37.2 | 963 | 48.0 | 1243 |
| | 139 | | | 23.2 | 65 | 8.5 | 196 | 19.5 | 452 | 29.3 | 679 | 40.3 | 935 | 52.0 | 1206 |
| | 152 | | | 20.8 | 71 | 9.3 | 193 | 21.4 | 445 | 32.1 | 667 | 44.2 | 919 | 57.0 | 1186 |
| | 178 | | | 17.8 | 84 | 10.9 | 194 | 25.1 | 447 | 37.7 | 671 | 51.9 | 924 | 67.0 | 1193 |
| | 203 | | | 15.8 | 95 | 12.4 | 195 | 28.5 | 450 | 42.8 | 675 | 58.9 | 931 | 76.0 | 1201 |
| | 305 | | | 10.2 | 143 | 18.5 | 189 | 42.8 | 436 | 64.1 | 654 | 88.4 | 901 | 114.0 | 1163 |

| Misura Size | | DF | DS | Rate | Max Working Stroke | MWS 13% | | MWS 30% | | MWS 45% | | MWS 62% | | MWS 80% | |
|-------------|------|-------|------|-------|--------------------|---------|-------|---------|------|---------|-------|---------|------|---------|------|
| D1 | L1 | mm. | mm. | N/mm. | mm. | mm. | N | mm. | N | mm. | N | mm. | N | mm. | N |
| 32 | 38 | 32 | 16 | 185.0 | 18 | 2.3 | 421 | 5.3 | 971 | 7.9 | 1457 | 10.9 | 2007 | 14.0 | 2590 |
| | 44 | | | 158.0 | 21 | 2.7 | 424 | 6.2 | 978 | 9.3 | 1466 | 12.8 | 2020 | 16.5 | 2607 |
| | 51 | | | 134.0 | 24 | 3.1 | 414 | 7.1 | 955 | 10.7 | 1432 | 14.7 | 1973 | 19.0 | 2546 |
| | 64 | | | 99.0 | 30 | 3.9 | 386 | 9.0 | 891 | 13.5 | 1337 | 18.6 | 1841 | 24.0 | 2376 |
| | 76 | | | 80.5 | 35 | 4.6 | 366 | 10.5 | 845 | 15.8 | 1268 | 21.7 | 1747 | 28.0 | 2254 |
| | 89 | | | 69.1 | 41 | 5.4 | 371 | 12.4 | 855 | 18.6 | 1283 | 25.6 | 1767 | 33.0 | 2280 |
| | 102 | | | 58.8 | 48 | 6.2 | 363 | 14.3 | 838 | 21.4 | 1257 | 29.5 | 1732 | 38.0 | 2234 |
| | 115 | | | 51.5 | 54 | 7.0 | 360 | 16.1 | 830 | 24.2 | 1246 | 33.3 | 1716 | 43.0 | 2215 |
| | 127 | | | 44.8 | 60 | 7.8 | 349 | 18.0 | 806 | 27.0 | 1210 | 37.2 | 1667 | 48.0 | 2150 |
| | 139 | | | 42.3 | 65 | 8.5 | 357 | 19.5 | 825 | 29.3 | 1237 | 40.3 | 1705 | 52.0 | 2200 |
| | 152 | | | 37.8 | 71 | 9.3 | 350 | 21.4 | 808 | 32.1 | 1212 | 44.2 | 1670 | 57.0 | 2155 |
| | 178 | | | 32.5 | 84 | 10.9 | 354 | 25.1 | 817 | 37.7 | 1225 | 51.9 | 1688 | 67.0 | 2178 |
| | 203 | | | 28.9 | 95 | 12.4 | 357 | 28.5 | 824 | 42.8 | 1235 | 58.9 | 1702 | 76.0 | 2196 |
| | 254 | | | 21.4 | 119 | 15.4 | 330 | 35.6 | 762 | 53.4 | 1144 | 73.6 | 1576 | 95.0 | 2033 |
| 305 | 18.3 | 143 | 18.5 | 339 | 42.8 | 782 | 64.1 | 1173 | 88.4 | 1617 | 114.0 | 2086 | | | |
| 38 | 51 | 40 | 20 | 181.6 | 24 | 3.1 | 561 | 7.1 | 1294 | 10.7 | 1941 | 14.7 | 2674 | 19.0 | 3450 |
| | 64 | | | 140.0 | 30 | 3.9 | 546 | 9.0 | 1260 | 13.5 | 1890 | 18.6 | 2604 | 24.0 | 3360 |
| | 76 | | | 108.0 | 35 | 4.6 | 491 | 10.5 | 1134 | 15.8 | 1701 | 21.7 | 2344 | 28.0 | 3024 |
| | 89 | | | 90.7 | 41 | 5.4 | 486 | 12.4 | 1122 | 18.6 | 1684 | 25.6 | 2320 | 33.0 | 2993 |
| | 102 | | | 81.0 | 48 | 6.2 | 500 | 14.3 | 1154 | 21.4 | 1731 | 29.5 | 2385 | 38.0 | 3078 |
| | 115 | | | 71.8 | 54 | 7.0 | 502 | 16.1 | 1158 | 24.2 | 1737 | 33.3 | 2393 | 43.0 | 3087 |
| | 127 | | | 62.7 | 60 | 7.8 | 489 | 18.0 | 1129 | 27.0 | 1693 | 37.2 | 2332 | 48.0 | 3010 |
| | 139 | | | 57.5 | 65 | 8.5 | 486 | 19.5 | 1121 | 29.3 | 1682 | 40.3 | 2317 | 52.0 | 2990 |
| | 152 | | | 51.6 | 71 | 9.3 | 478 | 21.4 | 1103 | 32.1 | 1654 | 44.2 | 2279 | 57.0 | 2941 |
| | 178 | | | 44.1 | 84 | 10.9 | 480 | 25.1 | 1108 | 37.7 | 1662 | 51.9 | 2290 | 67.0 | 2955 |
| | 203 | | | 36.7 | 95 | 12.4 | 453 | 28.5 | 1046 | 42.8 | 1569 | 58.9 | 2162 | 76.0 | 2789 |
| | 254 | | | 30.1 | 119 | 15.4 | 465 | 35.6 | 1072 | 53.4 | 1608 | 73.6 | 2216 | 95.0 | 2860 |
| | 305 | | | 24.6 | 143 | 18.5 | 456 | 42.8 | 1052 | 64.1 | 1577 | 88.4 | 2173 | 114.0 | 2804 |
| | 51 | | | 64 | 50 | 25 | 209.0 | 30 | 3.9 | 815 | 9.0 | 1881 | 13.5 | 2822 | 18.6 |
| 76 | | 168.0 | 35 | 4.6 | | | 764 | 10.5 | 1764 | 15.8 | 2646 | 21.7 | 3646 | 28.0 | 4704 |
| 89 | | 140.0 | 41 | 5.4 | | | 751 | 12.4 | 1733 | 18.6 | 2599 | 25.6 | 3581 | 33.0 | 4620 |
| 102 | | 119.0 | 48 | 6.2 | | | 735 | 14.3 | 1696 | 21.4 | 2544 | 29.5 | 3505 | 38.0 | 4522 |
| 115 | | 106.0 | 54 | 7.0 | | | 741 | 16.1 | 1709 | 24.2 | 2564 | 33.3 | 3532 | 43.0 | 4558 |
| 127 | | 97.0 | 60 | 7.8 | | | 757 | 18.0 | 1746 | 27.0 | 2619 | 37.2 | 3608 | 48.0 | 4656 |
| 139 | | 87.0 | 65 | 8.5 | | | 735 | 19.5 | 1697 | 29.3 | 2545 | 40.3 | 3506 | 52.0 | 4524 |
| 152 | | 80.0 | 71 | 9.3 | | | 741 | 21.4 | 1710 | 32.1 | 2565 | 44.2 | 3534 | 57.0 | 4560 |
| 178 | | 69.5 | 84 | 10.9 | | | 757 | 25.1 | 1746 | 37.7 | 2619 | 51.9 | 3609 | 67.0 | 4657 |
| 203 | | 59.8 | 95 | 12.4 | | | 739 | 28.5 | 1704 | 42.8 | 2556 | 58.9 | 3522 | 76.0 | 4545 |
| 229 | | 50.9 | 108 | 14.0 | | | 711 | 32.3 | 1642 | 48.4 | 2462 | 66.7 | 3392 | 86.0 | 4377 |
| 254 | | 43.9 | 119 | 15.4 | | | 678 | 35.6 | 1564 | 53.4 | 2346 | 73.6 | 3232 | 95.0 | 4171 |
| 305 | | 38.6 | 143 | 18.5 | | | 715 | 42.8 | 1650 | 64.1 | 2475 | 88.4 | 3410 | 114.0 | 4400 |
| 63 | | 76 | 63 | 38 | | | 312.0 | 35 | 4.6 | 1420 | 10.5 | 3276 | 15.8 | 4914 | 21.7 |
| | 89 | 260.0 | | | 41 | 5.4 | 1394 | 12.4 | 3218 | 18.6 | 4826 | 25.6 | 6650 | 33.0 | 8580 |
| | 102 | 221.0 | | | 48 | 6.2 | 1365 | 14.3 | 3149 | 21.4 | 4724 | 29.5 | 6508 | 38.0 | 8398 |
| | 115 | 187.0 | | | 54 | 7.0 | 1307 | 16.1 | 3015 | 24.2 | 4523 | 33.3 | 6232 | 43.0 | 8041 |
| | 127 | 168.0 | | | 60 | 7.8 | 1310 | 18.0 | 3024 | 27.0 | 4536 | 37.2 | 6250 | 48.0 | 8064 |
| | 152 | 136.0 | | | 71 | 9.3 | 1260 | 21.4 | 2907 | 32.1 | 4361 | 44.2 | 6008 | 57.0 | 7752 |
| | 178 | 114.0 | | | 84 | 10.9 | 1241 | 25.1 | 2864 | 37.7 | 4296 | 51.9 | 5919 | 67.0 | 7638 |
| | 203 | 100.0 | | | 95 | 12.4 | 1235 | 28.5 | 2850 | 42.8 | 4275 | 58.9 | 5890 | 76.0 | 7600 |
| | 229 | 89.2 | | | 108 | 14.0 | 1247 | 32.3 | 2877 | 48.4 | 4315 | 66.7 | 5945 | 86.0 | 7671 |
| | 254 | 78.4 | | | 119 | 15.4 | 1210 | 35.6 | 2793 | 53.4 | 4190 | 73.6 | 5772 | 95.0 | 7448 |
| | 305 | 64.7 | | | 143 | 18.5 | 1199 | 42.8 | 2766 | 64.1 | 4149 | 88.4 | 5716 | 114.0 | 7376 |