

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | |
|----------------|-------------|------------------|--------------------------|----|-------|-------|-------|-------|-------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|------------|----------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | |
| GC01x02.0-SR0 | Start | 2,257 | | | | | | | | | | | | | | 1,793 | 2,150 | 2,507 | | | | | 239.7 | 273.1 |
| | Min | 1,205 | | | | | | | | | | | | | | 573 | 732 | 890 | | | | | | |
| | End | 2,318 | | | | | | | | | | | | | | 594 | 840 | 1,087 | | | | | | |
| GC01x02.2-SR0 | Start | 2,248 | | | | | | | | | | | | | | 1,937 | 2,431 | | | | | | 177.0 | 201.1 |
| | Min | 1,201 | | | | | | | | | | | | | | 625 | 843 | | | | | | | |
| | End | 2,305 | | | | | | | | | | | | | | 693 | 1,034 | | | | | | | |
| GC01x02.5-SR0 | Start | 2,239 | | | | | | | | | | | | 2,000 | 2,650 | | | | | | | | 137.0 | 162.9 |
| | Min | 1,198 | | | | | | | | | | | | 647 | 931 | | | | | | | | | |
| | End | 2,292 | | | | | | | | | | | | 737 | 1,186 | | | | | | | | | |
| GC01x03.0-SR0 | Start | 2,220 | | | | | | | | | | | | 2,442 | | | | | | | | | 89.9 | 113.1 |
| | Min | 1,190 | | | | | | | | | | | | 835 | | | | | | | | | | |
| | End | 2,266 | | | | | | | | | | | | 1,042 | | | | | | | | | | |
| GC01x03.5-SR0 | Start | 2,202 | | | | | 2,367 | 3,085 | | | | | | | | | | | | | | | 63.9 | 83.1 |
| | Min | 1,183 | | | | | 801 | 1,110 | | | | | | | | | | | | | | | | |
| | End | 2,239 | | | | | 990 | 1,487 | | | | | | | | | | | | | | | | |
| GC01x01.7-SR1 | Start | 1,695 | | | | | | | | | | | | | | | | 1,073 | 1,318 | 1,563 | 1,809 | 2,056 | 264.2 | 332.3 |
| | Min | 946 | | | | | | | | | | | | | | | | 368 | 477 | 585 | 692 | 800 | | |
| | End | 1,922 | | | | | | | | | | | | | | | | 382 | 551 | 720 | 890 | 1,061 | | |
| GC01x02.0-SR1 | Start | 1,685 | | | | | | | | | | | | 1,132 | 1,491 | 1,848 | 2,205 | 2,561 | 2,918 | | | | 181.7 | 273.1 |
| | Min | 942 | | | | | | | | | | | | 389 | 547 | 703 | 859 | 1,015 | 1,170 | | | | | |
| | End | 1,907 | | | | | | | | | | | | 423 | 670 | 917 | 1,164 | 1,410 | 1,657 | | | | | |
| GC01x02.2-SR1 | Start | 1,676 | | | | | | | | | | | | 1,355 | 1,853 | 2,348 | 2,842 | | | | | | 134.1 | 201.1 |
| | Min | 938 | | | | | | | | | | | | 479 | 696 | 910 | 1,124 | | | | | | | |
| | End | 1,895 | | | | | | | | | | | | 577 | 921 | 1,263 | 1,604 | | | | | | | |
| GC01x02.5-SR1 | Start | 1,667 | | | | | | | | | | | | 1,103 | 1,759 | 2,412 | 3,061 | | | | | | 103.8 | 162.9 |
| | Min | 934 | | | | | | | | | | | | 366 | 651 | 931 | 1,210 | | | | | | | |
| | End | 1,882 | | | | | | | | | | | | 403 | 856 | 1,307 | 1,756 | | | | | | | |
| GC01x03.0-SR1 | Start | 1,649 | | | | | 1,330 | 1,840 | 2,854 | | | | | | | | | | | | | | 68.1 | 113.1 |
| | Min | 927 | | | | | 464 | 683 | 1,115 | | | | | | | | | | | | | | | |
| | End | 1,855 | | | | | 560 | 912 | 1,612 | | | | | | | | | | | | | | | |
| GC01x03.5-SR1 | Start | 1,630 | | | 1,335 | 2,057 | 2,778 | 3,497 | | | | | | | | | | | | | | | 48.4 | 83.1 |
| | Min | 919 | | | 468 | 776 | 1,083 | 1,388 | | | | | | | | | | | | | | | | |
| | End | 1,829 | | | 563 | 1,062 | 1,560 | 2,057 | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | |
|----------------|-------------|------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | | | 350 |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | |
| GC01x01.7-SR2 | Start | 1,410 | | | | | | | | | | | | | 827 | 1,071 | 1,316 | 1,560 | 1,805 | 2,051 | 2,298 | | 222.1 | 332.3 |
| | Min | 806 | | | | | | | | | | | | | 302 | 410 | 517 | 624 | 730 | 837 | 945 | | | |
| | End | 1,680 | | | | | | | | | | | | | 329 | 498 | 667 | 836 | 1,005 | 1,175 | 1,346 | | | |
| GC01x02.0-SR2 | Start | 1,399 | | | | | | | | | | 1,014 | 1,374 | 1,733 | 2,091 | 2,447 | 2,804 | 3,161 | | | | | 152.7 | 273.1 |
| | Min | 802 | | | | | | | | | | 380 | 537 | 693 | 848 | 1,004 | 1,159 | 1,314 | | | | | | |
| | End | 1,665 | | | | | | | | | | 459 | 708 | 955 | 1,202 | 1,449 | 1,695 | 1,942 | | | | | | |
| GC01x02.2-SR2 | Start | 1,390 | | | | | | | | 1,097 | 1,597 | 2,095 | 2,591 | 3,085 | | | | | | | | | 112.8 | 201.1 |
| | Min | 799 | | | | | | | | 410 | 626 | 841 | 1,055 | 1,268 | | | | | | | | | | |
| | End | 1,653 | | | | | | | | 516 | 862 | 1,206 | 1,548 | 1,889 | | | | | | | | | | |
| GC01x02.5-SR2 | Start | 1,381 | | | | | | | | 1,345 | 2,002 | 2,654 | 3,304 | | | | | | | | | | 87.3 | 162.9 |
| | Min | 795 | | | | | | | | 515 | 796 | 1,076 | 1,354 | | | | | | | | | | | |
| | End | 1,640 | | | | | | | | 687 | 1,141 | 1,592 | 2,040 | | | | | | | | | | | |
| GC01x03.0-SR2 | Start | 1,363 | | | | 1,062 | 1,573 | 2,082 | 3,096 | | | | | | | | | | | | | | 57.3 | 113.1 |
| | Min | 787 | | | | 393 | 611 | 828 | 1,259 | | | | | | | | | | | | | | | |
| | End | 1,613 | | | | 492 | 845 | 1,196 | 1,897 | | | | | | | | | | | | | | | |
| GC01x03.5-SR2 | Start | 1,344 | | 853 | 1,578 | 2,300 | 3,021 | 3,739 | | | | | | | | | | | | | | | 40.7 | 83.1 |
| | Min | 780 | | 306 | 615 | 921 | 1,227 | 1,531 | | | | | | | | | | | | | | | | |
| | End | 1,587 | | 348 | 848 | 1,347 | 1,845 | 2,341 | | | | | | | | | | | | | | | | |
| GC01x01.7-SR3 | Start | 1,222 | | | | | | | | | | | | | 805 | 1,050 | 1,294 | 1,539 | 1,783 | 2,028 | 2,274 | 2,521 | 194.5 | 332.3 |
| | Min | 702 | | | | | | | | | | | | | 302 | 410 | 516 | 623 | 730 | 836 | 943 | 1,050 | | |
| | End | 1,458 | | | | | | | | | | | | | 347 | 516 | 685 | 854 | 1,023 | 1,192 | 1,362 | 1,533 | | |
| GC01x02.0-SR3 | Start | 1,212 | | | | | | | | | 875 | 1,237 | 1,597 | 1,956 | 2,314 | 2,670 | 3,027 | 3,384 | | | | | 133.7 | 273.1 |
| | Min | 698 | | | | | | | | | 329 | 487 | 643 | 799 | 954 | 1,109 | 1,264 | 1,419 | | | | | | |
| | End | 1,443 | | | | | | | | | 395 | 645 | 894 | 1,142 | 1,389 | 1,636 | 1,882 | 2,128 | | | | | | |
| GC01x02.2-SR3 | Start | 1,203 | | | | | | | | 815 | 1,320 | 1,820 | 2,318 | 2,814 | 3,308 | | | | | | | | 98.7 | 201.1 |
| | Min | 694 | | | | | | | | 299 | 517 | 732 | 947 | 1,160 | 1,373 | | | | | | | | | |
| | End | 1,430 | | | | | | | | 354 | 702 | 1,048 | 1,392 | 1,735 | 2,076 | | | | | | | | | |
| GC01x02.5-SR3 | Start | 1,194 | | | | | | | | 908 | 1,569 | 2,225 | 2,877 | 3,527 | | | | | | | | | 76.4 | 162.9 |
| | Min | 690 | | | | | | | | 338 | 621 | 902 | 1,181 | 1,460 | | | | | | | | | | |
| | End | 1,417 | | | | | | | | 418 | 874 | 1,328 | 1,779 | 2,227 | | | | | | | | | | |
| GC01x03.0-SR3 | Start | 1,175 | | | 773 | 1,285 | 1,796 | 2,305 | 3,319 | | | | | | | | | | | | | | 50.1 | 113.1 |
| | Min | 683 | | | 281 | 500 | 717 | 934 | 1,365 | | | | | | | | | | | | | | | |
| | End | 1,390 | | | 325 | 679 | 1,032 | 1,383 | 2,084 | | | | | | | | | | | | | | | |
| GC01x03.5-SR3 | Start | 1,157 | | 1,077 | 1,801 | 2,523 | 3,244 | 3,962 | | | | | | | | | | | | | | | 35.7 | 83.1 |
| | Min | 676 | | 414 | 721 | 1,027 | 1,332 | 1,637 | | | | | | | | | | | | | | | | |
| | End | 1,364 | | 535 | 1,035 | 1,534 | 2,032 | 2,528 | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | | |
|----------------|-------------|------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------|-------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | | | 350 | | |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | | | |
| GC01x01.5-SR4 | Start | 1,042 | | | | | | | | | | | | | 431 | 599 | 766 | 934 | 1,102 | 1,271 | 1,441 | 1,527 | 230.8 | 344.7 | | |
| | Min | 606 | | | | | | | | | | | | | 142 | 240 | 315 | 390 | 464 | 539 | 614 | 652 | | | | |
| | End | 1,277 | | | | | | | | | | | | | | | | | | | | | | | 900 | |
| GC01x01.7-SR4 | Start | 1,030 | | | | | | | | | | | | 512 | 759 | 1,005 | 1,250 | 1,494 | 1,739 | 1,983 | 2,228 | 2,474 | 2,721 | 166.2 | 332.3 | |
| | Min | 600 | | | | | | | | | | | | 191 | 300 | 407 | 514 | 620 | 727 | 833 | 940 | 1,046 | 1,153 | | | |
| | End | 1,258 | | | | | | | | | | | | 198 | 369 | 539 | 708 | 877 | 1,046 | 1,214 | 1,384 | 1,554 | 1,724 | | | |
| GC01x02.0-SR4 | Start | 1,019 | | | | | | | | 710 | 1,075 | 1,437 | 1,797 | 2,156 | 2,514 | 2,870 | 3,227 | 3,584 | | | | | | 114.2 | 273.1 | |
| | Min | 596 | | | | | | | | 275 | 433 | 590 | 747 | 902 | 1,057 | 1,212 | 1,367 | 1,522 | | | | | | | | |
| | End | 1,243 | | | | | | | | | 335 | 587 | 837 | 1,086 | 1,334 | 1,581 | 1,827 | 2,074 | 2,320 | | | | | | | |
| GC01x02.2-SR4 | Start | 1,010 | | | | | | | 507 | 1,015 | 1,520 | 2,020 | 2,518 | 3,014 | 3,508 | | | | | | | | | | 84.4 | 201.1 |
| | Min | 593 | | | | | | | 185 | 404 | 620 | 836 | 1,050 | 1,263 | 1,476 | | | | | | | | | | | |
| | End | 1,231 | | | | | | | | 195 | 546 | 894 | 1,240 | 1,584 | 1,927 | 2,268 | | | | | | | | | | |
| GC01x02.5-SR4 | Start | 1,001 | | | | | | 776 | 1,108 | 1,769 | 2,425 | 3,077 | 3,727 | | | | | | | | | | | | 65.3 | 162.9 |
| | Min | 589 | | | | | | 301 | 443 | 725 | 1,005 | 1,284 | 1,562 | | | | | | | | | | | | | |
| | End | 1,217 | | | | | | | 381 | 610 | 1,066 | 1,520 | 1,970 | 2,419 | | | | | | | | | | | | |
| GC01x03.0-SR4 | Start | 983 | | | 973 | 1,485 | 1,996 | 2,505 | 3,519 | | | | | | | | | | | | | | | | 42.8 | 113.1 |
| | Min | 582 | | | 386 | 604 | 821 | 1,037 | 1,468 | | | | | | | | | | | | | | | | | |
| | End | 1,191 | | | 517 | 871 | 1,223 | 1,575 | 2,276 | | | | | | | | | | | | | | | | | |
| GC01x03.5-SR4 | Start | 965 | 550 | 1,277 | 2,001 | 2,723 | 3,444 | 4,162 | | | | | | | | | | | | | | | | | 30.5 | 83.1 |
| | Min | 574 | 209 | 518 | 824 | 1,130 | 1,435 | 1,740 | | | | | | | | | | | | | | | | | | |
| | End | 1,164 | 225 | 726 | 1,227 | 1,726 | 2,223 | 2,720 | | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | |
|----------------|-------------|------------------|--------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|------------|----------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | | | 350 |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | |
| GC2x02.0-SR1 | Start | 2,933 | | | | | | | | | | | | | | | 2,198 | 2,629 | 3,062 | 3,496 | 3,933 | 4,152 | 256.4 | 339.3 |
| | Min | 1,604 | | | | | | | | | | | | | | | 744 | 935 | 1,125 | 1,315 | 1,505 | 1,600 | | |
| | End | 3,209 | | | | | | | | | | | | | | | 817 | 1,116 | 1,415 | 1,715 | 2,017 | 2,168 | | |
| GC2x02.2-SR1 | Start | 2,922 | | | | | | | | | | | | | | | | | | | | | 189.3 | 250.6 |
| | Min | 1,600 | | | | | | | | | | | | | | | 1,940 | 2,538 | 3,134 | 3,729 | 4,324 | | | |
| | End | 3,194 | | | | | | | | | | | | | | | 613 | 878 | 1,139 | 1,398 | 1,656 | | | |
| GC2x02.5-SR1 | Start | 2,911 | | | | | | | | | | | | | | | | | | | | | 146.5 | 193.9 |
| | Min | 1,596 | | | | | | | | | | | | | | | 2,017 | 2,802 | 3,585 | 4,366 | | | | |
| | End | 3,178 | | | | | | | | | | | | | | | 640 | 984 | 1,323 | 1,661 | | | | |
| GC2x03.0-SR1 | Start | 2,889 | | | | | | | | | | | | | | | | | | | | | 96.2 | 127.2 |
| | Min | 1,587 | | | | | | | | | | | | | | | 2,552 | 3,773 | | | | | | |
| | End | 3,146 | | | | | | | | | | | | | | | 868 | 1,393 | | | | | | |
| GC2x03.5-SR1 | Start | 2,867 | | | | | | | | | | | | | | | | | | | | | 68.4 | 90.5 |
| | Min | 1,578 | | | | | | | | | | | | | | | 2,460 | 3,330 | | | | | | |
| | End | 3,114 | | | | | | | | | | | | | | | 827 | 1,201 | | | | | | |
| GC2x04.0-SR1 | Start | 2,844 | | | | | | | | | | | | | | | | | | | | | 51.3 | 67.8 |
| | Min | 1,569 | | | | | | | | | | | | | | | 2,153 | 3,321 | 4,486 | | | | | |
| | End | 3,082 | | | | | | | | | | | | | | | 697 | 1,199 | 1,695 | | | | | |
| GC2x01.7-SR2 | Start | 2,537 | | | | | | | | | | | | | | | | | | | | | 323.2 | 344.7 |
| | Min | 1,404 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 2,850 | | | | | | | | | | | | | | | | | | | | | | |
| GC2x02.0-SR2 | Start | 2,524 | | | | | | | | | | | | | | | | | | | | | 222.2 | 339.3 |
| | Min | 1,399 | | | | | | | | | | | | | | | 1,712 | 2,144 | 2,575 | 3,007 | 3,440 | 3,874 | | |
| | End | 2,832 | | | | | | | | | | | | | | | 581 | 772 | 962 | 1,151 | 1,339 | 1,528 | | |
| GC2x02.2-SR2 | Start | 2,514 | | | | | | | | | | | | | | | | | | | | | 164.1 | 250.6 |
| | Min | 1,395 | | | | | | | | | | | | | | | 1,718 | 2,318 | 2,915 | 3,511 | 4,106 | 4,701 | | |
| | End | 2,817 | | | | | | | | | | | | | | | 571 | 834 | 1,094 | 1,353 | 1,611 | 1,868 | | |
| GC2x02.5-SR2 | Start | 2,503 | | | | | | | | | | | | | | | | | | | | | 127.0 | 193.9 |
| | Min | 1,390 | | | | | | | | | | | | | | | 1,605 | 2,394 | 3,180 | 3,963 | 4,743 | | | |
| | End | 2,801 | | | | | | | | | | | | | | | 516 | 860 | 1,199 | 1,537 | 1,873 | | | |
| GC2x03.0-SR2 | Start | 2,480 | | | | | | | | | | | | | | | | | | | | | 83.3 | 127.2 |
| | Min | 1,381 | | | | | | | | | | | | | | | 1,702 | 2,929 | 4,151 | | | | | |
| | End | 2,769 | | | | | | | | | | | | | | | 555 | 1,084 | 1,606 | | | | | |
| GC2x03.5-SR2 | Start | 2,458 | | | | | | | | | | | | | | | | | | | | | 59.3 | 90.5 |
| | Min | 1,372 | | | | | | | | | | | | | | | 1,966 | 2,837 | 3,707 | | | | | |
| | End | 2,737 | | | | | | | | | | | | | | | 671 | 1,044 | 1,415 | | | | | |
| GC2x04.0-SR2 | Start | 2,436 | | | | | | | | | | | | | | | | | | | | | 44.4 | 67.8 |
| | Min | 1,363 | | | | | | | | | | | | | | | 2,531 | 3,699 | 4,864 | | | | | |
| | End | 2,705 | | | | | | | | | | | | | | | 916 | 1,413 | 1,907 | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | |
|----------------|-------------|------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | |
| GC2x01.7-SR3 | Start | 2,267 | | | | | | | | | | | | | | | | 1,384 | 1,681 | 1,978 | 2,277 | 2,428 | 290.4 | 344.7 |
| | Min | 1,255 | | | | | | | | | | | | | | | | 453 | 591 | 722 | 853 | 919 | | |
| | End | 2,537 | | | | | | | | | | | | | | | | 453 | 658 | 863 | 1,070 | 1,174 | | |
| GC2x02.0-SR3 | Start | 2,255 | | | | | | | | | | | | 1,593 | 2,026 | 2,458 | 2,889 | 3,321 | 3,754 | 4,188 | 4,624 | 4,843 | 199.7 | 339.3 |
| | Min | 1,250 | | | | | | | | | | | | 545 | 736 | 925 | 1,114 | 1,302 | 1,491 | 1,680 | 1,869 | 1,964 | | |
| | End | 2,519 | | | | | | | | | | | | 597 | 896 | 1,195 | 1,493 | 1,791 | 2,091 | 2,391 | 2,692 | 2,844 | | |
| GC2x02.2-SR3 | Start | 2,244 | | | | | | | | | 1,429 | 2,032 | 2,632 | 3,229 | 3,825 | 4,420 | 5,015 | | | | | | 147.4 | 250.6 |
| | Min | 1,246 | | | | | | | | | 462 | 726 | 987 | 1,246 | 1,504 | 1,762 | 2,019 | | | | | | | |
| | End | 2,503 | | | | | | | | | 484 | 900 | 1,315 | 1,728 | 2,140 | 2,551 | 2,963 | | | | | | | |
| GC2x02.5-SR3 | Start | 2,233 | | | | | | | | 1,918 | 2,708 | 3,494 | 4,277 | 5,057 | | | | | | | | | 114.1 | 193.9 |
| | Min | 1,242 | | | | | | | | 672 | 1,013 | 1,351 | 1,688 | 2,024 | | | | | | | | | | |
| | End | 2,488 | | | | | | | | 822 | 1,368 | 1,911 | 2,452 | 2,992 | | | | | | | | | | |
| GC2x03.0-SR3 | Start | 2,211 | | | | | | | 2,016 | 3,243 | 4,465 | | | | | | | | | | | | 74.9 | 127.2 |
| | Min | 1,233 | | | | | | | 711 | 1,236 | 1,757 | | | | | | | | | | | | | |
| | End | 2,456 | | | | | | | 889 | 1,738 | 2,582 | | | | | | | | | | | | | |
| GC2x03.5-SR3 | Start | 2,189 | | | | 2,279 | 3,151 | 4,021 | | | | | | | | | | | | | | | 53.2 | 90.5 |
| | Min | 1,224 | | | | 825 | 1,196 | 1,566 | | | | | | | | | | | | | | | | |
| | End | 2,424 | | | | 1,072 | 1,674 | 2,276 | | | | | | | | | | | | | | | | |
| GC2x04.0-SR3 | Start | 2,166 | | 1,675 | 2,845 | 4,013 | 5,178 | | | | | | | | | | | | | | | | 39.9 | 67.8 |
| | Min | 1,215 | | 568 | 1,068 | 1,564 | 2,058 | | | | | | | | | | | | | | | | | |
| | End | 2,392 | | 654 | 1,462 | 2,270 | 3,075 | | | | | | | | | | | | | | | | | |
| GC2x01.7-SR4 | Start | 2,017 | | | | | | | | | | | | | | | 1,435 | 1,731 | 2,028 | 2,325 | 2,624 | 2,774 | 260.0 | 344.7 |
| | Min | 1,106 | | | | | | | | | | | | | | | 481 | 613 | 743 | 874 | 1,004 | 1,070 | | |
| | End | 2,191 | | | | | | | | | | | | | | | 498 | 702 | 907 | 1,113 | 1,320 | 1,424 | | |
| GC2x02.0-SR4 | Start | 2,004 | | | | | | | | | | 1,506 | 1,940 | 2,373 | 2,805 | 3,236 | 3,668 | 4,101 | 4,535 | 4,971 | 5,190 | 178.8 | 339.3 | |
| | Min | 1,101 | | | | | | | | | | 506 | 698 | 887 | 1,076 | 1,264 | 1,453 | 1,641 | 1,830 | 2,019 | 2,114 | | | |
| | End | 2,172 | | | | | | | | | | 547 | 847 | 1,146 | 1,445 | 1,743 | 2,041 | 2,340 | 2,641 | 2,942 | 3,094 | | | |
| GC2x02.2-SR4 | Start | 1,994 | | | | | | | | | 1,776 | 2,379 | 2,978 | 3,576 | 4,172 | 4,767 | 5,362 | | | | | | 132.0 | 250.6 |
| | Min | 1,096 | | | | | | | | | 616 | 878 | 1,138 | 1,396 | 1,654 | 1,912 | 2,169 | | | | | | | |
| | End | 2,157 | | | | | | | | | 734 | 1,150 | 1,565 | 1,978 | 2,390 | 2,801 | 3,212 | | | | | | | |
| GC2x02.5-SR4 | Start | 1,983 | | | | | | | | 1,471 | 2,265 | 3,055 | 3,841 | 4,624 | 5,404 | | | | | | | | 102.1 | 193.9 |
| | Min | 1,092 | | | | | | | | 479 | 823 | 1,164 | 1,501 | 1,838 | 2,174 | | | | | | | | | |
| | End | 2,141 | | | | | | | | 523 | 1,072 | 1,618 | 2,161 | 2,702 | 3,242 | | | | | | | | | |
| GC2x03.0-SR4 | Start | 1,960 | | | | | | 1,747 | 2,363 | 3,590 | 4,811 | | | | | | | | | | | | 67.0 | 127.2 |
| | Min | 1,083 | | | | | | 597 | 862 | 1,386 | 1,907 | | | | | | | | | | | | | |
| | End | 2,109 | | | | | | 713 | 1,139 | 1,988 | 2,832 | | | | | | | | | | | | | |
| GC2x03.5-SR4 | Start | 1,938 | | | 1,752 | 2,626 | 3,498 | 4,368 | | | | | | | | | | | | | | | 47.7 | 90.5 |
| | Min | 1,074 | | | 602 | 976 | 1,347 | 1,716 | | | | | | | | | | | | | | | | |
| | End | 2,077 | | | 717 | 1,321 | 1,924 | 2,525 | | | | | | | | | | | | | | | | |
| GC2x04.0-SR4 | Start | 1,916 | | 2,022 | 3,192 | 4,359 | 5,525 | | | | | | | | | | | | | | | | 35.7 | 67.8 |
| | Min | 1,065 | | 721 | 1,219 | 1,714 | 2,208 | | | | | | | | | | | | | | | | | |
| | End | 2,045 | | 903 | 1,712 | 2,519 | 3,325 | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | | |
|----------------|-------------|------------------|--------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------------|----------|-------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 350 | | | | | |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x02.2-SR1 | Start | 5,144 | | | | | | | | | | | | | | | | | | | | 3,300 | 3,921 | 4,546 | 4,860 | 315.7 | 344.7 |
| | Min | 2,816 | | | | | | | | | | | | | | | | | | | | 1,007 | 1,309 | 1,583 | 1,720 | | |
| | End | 5,681 | | | | | | | | | | | | | | | | | | | | 1,007 | 1,431 | 1,858 | 2,072 | | |
| GC3x02.5-SR1 | Start | 5,131 | | | | | | | | | | | | | | | | | | | | | | | | 235.7 | 312.1 |
| | Min | 2,811 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 5,661 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x03.0-SR1 | Start | 5,104 | | | | | | | | | | | | | | | | | | | | | | | | 148.6 | 196.7 |
| | Min | 2,800 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 5,622 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x03.5-SR1 | Start | 5,077 | | | | | | | | | | | | | | | | | | | | | | | | 103.4 | 136.9 |
| | Min | 2,789 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 5,583 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x04.0-SR1 | Start | 5,050 | | | | | | | | | | | | | | | | | | | | | | | | 76.5 | 101.4 |
| | Min | 2,778 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 5,543 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x04.5-SR1 | Start | 5,023 | | | | | | | | | | | | | | | | | | | | | | | | 59.1 | 78.3 |
| | Min | 2,767 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 5,504 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x02.2-SR2 | Start | 4,471 | | | | | | | | | | | | | | | | | | | | | | | | 275.9 | 344.7 |
| | Min | 2,451 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 4,930 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x02.5-SR2 | Start | 4,458 | | | | | | | | | | | | | | | | | | | | | | | | 206.0 | 312.1 |
| | Min | 2,446 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 4,910 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x03.0-SR2 | Start | 4,431 | | | | | | | | | | | | | | | | | | | | | | | | 129.8 | 196.7 |
| | Min | 2,435 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 4,871 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x03.5-SR2 | Start | 4,404 | | | | | | | | | | | | | | | | | | | | | | | | 90.3 | 136.9 |
| | Min | 2,424 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 4,832 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x04.0-SR2 | Start | 4,377 | | | | | | | | | | | | | | | | | | | | | | | | 66.9 | 101.4 |
| | Min | 2,413 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 4,792 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC3x04.5-SR2 | Start | 4,350 | | | | | | | | | | | | | | | | | | | | | | | | 51.7 | 78.3 |
| | Min | 2,402 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | End | 4,753 | | | | | | | | | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | |
|----------------|-------------|------------------|--------------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | |
| GC3x02.2-SR3 | Start | 3,893 | | | | | | | | | | | | | | 2,844 | 3,461 | 4,080 | 4,699 | 5,321 | 5,946 | 6,259 | 241.6 | 344.7 |
| | Min | 2,137 | | | | | | | | | | | | | | 933 | 1,206 | 1,476 | 1,745 | 2,015 | 2,284 | 2,420 | | |
| | End | 4,283 | | | | | | | | | | | | | | 988 | 1,410 | 1,832 | 2,255 | 2,680 | 3,106 | 3,321 | | |
| GC3x02.5-SR3 | Start | 3,879 | | | | | | | | | | | | 3,004 | 3,850 | 4,694 | 5,536 | 6,378 | 7,221 | 8,065 | 8,911 | | 180.4 | 312.1 |
| | Min | 2,132 | | | | | | | | | | | | 985 | 1,353 | 1,719 | 2,082 | 2,445 | 2,807 | 3,169 | 3,532 | | | |
| | End | 4,263 | | | | | | | | | | | | 1,098 | 1,675 | 2,252 | 2,827 | 3,402 | 3,977 | 4,554 | 5,132 | | | |
| GC3x03.0-SR3 | Start | 3,852 | | | | | | | | | 3,566 | 4,946 | 6,321 | 7,691 | 9,058 | | | | | | | | 113.7 | 196.7 |
| | Min | 2,121 | | | | | | | | | 1,211 | 1,803 | 2,389 | 2,973 | 3,555 | | | | | | | | | |
| | End | 4,224 | | | | | | | | | 1,481 | 2,424 | 3,363 | 4,298 | 5,232 | | | | | | | | | |
| GC3x03.5-SR3 | Start | 3,825 | | | | | | | 3,243 | 5,259 | 7,266 | 9,266 | | | | | | | | | | | 79.1 | 136.9 |
| | Min | 2,110 | | | | | | | 1,068 | 1,928 | 2,779 | 3,626 | | | | | | | | | | | | |
| | End | 4,185 | | | | | | | 1,261 | 2,637 | 4,008 | 5,374 | | | | | | | | | | | | |
| GC3x04.0-SR3 | Start | 3,799 | | | | 3,342 | 4,716 | 6,087 | 8,821 | | | | | | | | | | | | | | 58.6 | 101.4 |
| | Min | 2,099 | | | | 1,112 | 1,697 | 2,277 | 3,430 | | | | | | | | | | | | | | | |
| | End | 4,146 | | | | 1,328 | 2,266 | 3,203 | 5,070 | | | | | | | | | | | | | | | |
| GC3x04.5-SR3 | Start | 3,772 | | | 3,972 | 5,757 | 7,538 | 9,317 | | | | | | | | | | | | | | | 45.3 | 78.3 |
| | Min | 2,088 | | | 1,383 | 2,138 | 2,889 | 3,638 | | | | | | | | | | | | | | | | |
| | End | 4,106 | | | 1,758 | 2,977 | 4,194 | 5,408 | | | | | | | | | | | | | | | | |
| GC3x02.0-SR4 | Start | 3,408 | | | | | | | | | | | | | | | | | 2,248 | 2,669 | 3,093 | 3,306 | 304.7 | 344.7 |
| | Min | 1,872 | | | | | | | | | | | | | | | | | 697 | 927 | 1,114 | 1,208 | | |
| | End | 3,746 | | | | | | | | | | | | | | | | | 697 | 985 | 1,274 | 1,420 | | |
| GC3x02.2-SR4 | Start | 3,395 | | | | | | | | | | | | | 2,162 | 2,782 | 3,400 | 4,018 | 4,636 | 5,256 | 5,877 | 6,502 | 212.1 | 344.7 |
| | Min | 1,867 | | | | | | | | | | | | | 639 | 946 | 1,217 | 1,486 | 1,754 | 2,023 | 2,291 | 2,560 | | |
| | End | 3,727 | | | | | | | | | | | | | 639 | 1,062 | 1,484 | 1,906 | 2,328 | 2,752 | 3,176 | 3,603 | | |
| GC3x02.5-SR4 | Start | 3,381 | | | | | | | | | | | | | 2,712 | 3,561 | 4,407 | 5,250 | 6,093 | 6,935 | 7,777 | 8,621 | 158.4 | 312.1 |
| | Min | 1,862 | | | | | | | | | | | | | 898 | 1,267 | 1,633 | 1,996 | 2,358 | 2,720 | 3,082 | 3,444 | | |
| | End | 3,708 | | | | | | | | | | | | | 1,015 | 1,594 | 2,172 | 2,748 | 3,323 | 3,898 | 4,474 | 5,050 | | |
| GC3x03.0-SR4 | Start | 3,355 | | | | | | | | | 2,735 | 4,122 | 5,503 | 6,877 | 8,248 | 9,615 | | | | | | | 99.8 | 196.7 |
| | Min | 1,851 | | | | | | | | | 896 | 1,491 | 2,080 | 2,665 | 3,248 | 3,830 | | | | | | | | |
| | End | 3,668 | | | | | | | | | 1,030 | 1,977 | 2,920 | 3,859 | 4,795 | 5,728 | | | | | | | | |
| GC3x03.5-SR4 | Start | 3,328 | | | | | | 2,788 | 3,799 | 5,815 | 7,823 | 9,823 | | | | | | | | | | | 69.5 | 136.9 |
| | Min | 1,840 | | | | | | 917 | 1,350 | 2,205 | 3,054 | 3,900 | | | | | | | | | | | | |
| | End | 3,629 | | | | | | 1,066 | 1,757 | 3,134 | 4,505 | 5,871 | | | | | | | | | | | | |
| GC3x04.0-SR4 | Start | 3,301 | | | 2,521 | 3,898 | 5,272 | 6,643 | 9,377 | | | | | | | | | | | | | | 51.4 | 101.4 |
| | Min | 1,829 | | | 805 | 1,393 | 1,974 | 2,552 | 3,705 | | | | | | | | | | | | | | | |
| | End | 3,590 | | | 884 | 1,825 | 2,763 | 3,699 | 5,566 | | | | | | | | | | | | | | | |
| GC3x04.5-SR4 | Start | 3,274 | | | 2,739 | 4,528 | 6,313 | 8,095 | 9,873 | | | | | | | | | | | | | | 39.7 | 78.3 |
| | Min | 1,818 | | | 903 | 1,662 | 2,415 | 3,164 | 3,912 | | | | | | | | | | | | | | | |
| | End | 3,551 | | | 1,033 | 2,255 | 3,474 | 4,690 | 5,905 | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | | |
|----------------|-------------|------------------|--------------------------|----|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------|------------|----------|--------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 | |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | | |
| GC4x03.0-SR1 | Start | 10,620 | | | | | | | | | | | | | | | 7,624 | 9,091 | 10,560 | 12,033 | 13,511 | 14,252 | 274.5 | 344.7 | |
| | Min | 5,651 | | | | | | | | | | | | | | | 2,286 | 2,943 | 3,591 | 4,236 | 4,879 | 5,200 | | | |
| | End | 11,040 | | | | | | | | | | | | | | | 2,320 | 3,333 | 4,348 | 5,366 | 6,387 | 6,900 | | | |
| GC4x03.5-SR1 | Start | 10,587 | | | | | | | | | | | 8,454 | 10,671 | 12,884 | 15,095 | | | | | | | 185.3 | 241.0 | |
| | Min | 5,638 | | | | | | | | | | | 2,607 | 3,582 | 4,544 | 5,500 | | | | | | | | | |
| | End | 10,992 | | | | | | | | | | | 2,894 | 4,425 | 5,955 | 7,482 | | | | | | | | | |
| GC4x04.0-SR1 | Start | 10,554 | | | | | | | | | 10,024 | 13,117 | 16,201 | | | | | | | | | | 134.8 | 175.3 | |
| | Min | 5,625 | | | | | | | | | 3,271 | 4,610 | 5,937 | | | | | | | | | | | | |
| | End | 10,945 | | | | | | | | | 3,979 | 6,115 | 8,247 | | | | | | | | | | | | |
| GC4x04.5-SR1 | Start | 10,517 | | | | | | | | 8,637 | 12,712 | 16,771 | | | | | | | | | | | 102.9 | 133.9 | |
| | Min | 5,610 | | | | | | | | 2,660 | 4,429 | 6,171 | | | | | | | | | | | | | |
| | End | 10,892 | | | | | | | | 3,020 | 5,836 | 8,640 | | | | | | | | | | | | | |
| GC4x05.0-SR1 | Start | 10,484 | | | | | | 8,902 | 14,091 | | | | | | | | | | | | | | 81.4 | 105.9 | |
| | Min | 5,596 | | | | | | 2,771 | 5,010 | | | | | | | | | | | | | | | | |
| | End | 10,843 | | | | | | 3,203 | 6,788 | | | | | | | | | | | | | | | | |
| GC4x06.0-SR1 | Start | 10,417 | | | | 11,254 | 15,135 | | | | | | | | | | | | | | | | 54.9 | 71.4 | |
| | Min | 5,569 | | | | 3,790 | 5,450 | | | | | | | | | | | | | | | | | | |
| | End | 10,747 | | | | 4,828 | 7,510 | | | | | | | | | | | | | | | | | | |
| GC4x03.0-SR2 | Start | 9,259 | | | | | | | | | | | | | | | 7,931 | 9,397 | 10,864 | 12,333 | 13,805 | 15,284 | 16,025 | 240.3 | 344.7 |
| | Min | 4,860 | | | | | | | | | | | | | | 2,463 | 3,114 | 3,759 | 4,400 | 5,040 | 5,681 | 6,001 | | | |
| | End | 9,270 | | | | | | | | | | | | | | 2,664 | 3,677 | 4,690 | 5,705 | 6,723 | 7,745 | 8,257 | | | |
| GC4x03.5-SR2 | Start | 9,226 | | | | | | | | | | 8,004 | 10,227 | 12,444 | 14,657 | 16,868 | | | | | | | | 162.2 | 241.0 |
| | Min | 4,847 | | | | | | | | | | 2,451 | 3,428 | 4,391 | 5,347 | 6,301 | | | | | | | | | |
| | End | 9,222 | | | | | | | | | | 2,715 | 4,251 | 5,783 | 7,312 | 8,839 | | | | | | | | | |
| GC4x04.0-SR2 | Start | 9,193 | | | | | | | | 8,695 | 11,797 | 14,890 | 17,974 | | | | | | | | | | | 118.0 | 175.3 |
| | Min | 4,833 | | | | | | | | 2,736 | 4,083 | 5,413 | 6,736 | | | | | | | | | | | | |
| | End | 9,175 | | | | | | | | 3,192 | 5,336 | 7,472 | 9,604 | | | | | | | | | | | | |
| GC4x04.5-SR2 | Start | 9,156 | | | | | | | | 10,410 | 14,485 | 18,544 | | | | | | | | | | | | 90.1 | 133.9 |
| | Min | 4,818 | | | | | | | | 3,480 | 5,233 | 6,970 | | | | | | | | | | | | | |
| | End | 9,122 | | | | | | | | 4,377 | 7,193 | 9,997 | | | | | | | | | | | | | |
| GC4x05.0-SR2 | Start | 9,123 | | | | | 8,072 | 10,675 | 15,864 | | | | | | | | | | | | | | | 71.3 | 105.9 |
| | Min | 4,805 | | | | | 2,458 | 3,589 | 5,812 | | | | | | | | | | | | | | | | |
| | End | 9,074 | | | | | 2,761 | 4,560 | 8,145 | | | | | | | | | | | | | | | | |
| GC4x06.0-SR2 | Start | 9,056 | | | 9,138 | 13,027 | 16,908 | | | | | | | | | | | | | | | | | 48.1 | 71.4 |
| | Min | 4,777 | | | 2,927 | 4,597 | 6,250 | | | | | | | | | | | | | | | | | | |
| | End | 8,977 | | | 3,498 | 6,185 | 8,867 | | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | | |
|----------------|-------------|------------------|--------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|----------|--------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | | | 350 | | |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | | | |
| GC4x03.0-SR3 | Start | 7,770 | | | | | | | | | | | | | 6,488 | 7,956 | 9,423 | 10,888 | 12,355 | 13,824 | 15,297 | 16,775 | 17,516 | 202.9 | 344.7 | |
| | Min | 4,089 | | | | | | | | | | | | | 1,992 | 2,645 | 3,288 | 3,928 | 4,565 | 5,202 | 5,839 | 6,477 | 6,797 | | | |
| | End | 7,781 | | | | | | | | | | | | | 2,121 | 3,136 | 4,149 | 5,162 | 6,175 | 7,190 | 8,208 | 9,229 | 9,742 | | | |
| GC4x03.5-SR3 | Start | 7,737 | | | | | | | | 7,265 | 9,496 | 11,718 | | | 13,935 | 16,148 | 18,359 | | | | | | | 136.9 | 241.0 | |
| | Min | 4,075 | | | | | | | | 2,303 | 3,276 | 4,237 | 5,193 | 6,145 | 7,096 | | | | | | | | | | | |
| | End | 7,734 | | | | | | | | 2,659 | 4,200 | 5,735 | 7,267 | 8,796 | 10,324 | | | | | | | | | | | |
| GC4x04.0-SR3 | Start | 7,704 | | | | | | | | 7,072 | 10,186 | 13,289 | 16,381 | 19,465 | | | | | | | | | | 99.6 | 175.3 | |
| | Min | 4,062 | | | | | | | | 2,205 | 3,555 | 4,887 | 6,211 | 7,530 | | | | | | | | | | | | |
| | End | 7,686 | | | | | | | | 2,525 | 4,677 | 6,820 | 8,957 | 11,088 | | | | | | | | | | | | |
| GC4x04.5-SR3 | Start | 7,667 | | | | | | | | 7,809 | 11,902 | 15,976 | 20,035 | | | | | | | | | | | 76.1 | 133.9 | |
| | Min | 4,047 | | | | | | | | 2,527 | 4,289 | 6,031 | 7,764 | | | | | | | | | | | | | |
| | End | 7,633 | | | | | | | | 3,034 | 5,862 | 8,677 | 11,482 | | | | | | | | | | | | | |
| GC4x05.0-SR3 | Start | 7,633 | | | | 6,954 | 9,563 | 12,166 | 17,355 | | | | | | | | | | | | | | | 60.2 | 105.9 | |
| | Min | 4,033 | | | | 2,154 | 3,283 | 4,397 | 6,608 | | | | | | | | | | | | | | | | | |
| | End | 7,585 | | | | 2,444 | 4,246 | 6,045 | 9,630 | | | | | | | | | | | | | | | | | |
| GC4x06.0-SR3 | Start | 7,567 | | 6,732 | 10,629 | 14,518 | 18,399 | | | | | | | | | | | | | | | | | 40.6 | 71.4 | |
| | Min | 4,006 | | 2,064 | 3,743 | 5,398 | 7,046 | | | | | | | | | | | | | | | | | | | |
| | End | 7,489 | | 2,290 | 4,983 | 7,670 | 10,352 | | | | | | | | | | | | | | | | | | | |
| GC4x02.5-SR4 | Start | 6,418 | | | | | | | | | | | | | | | | 4,851 | 5,692 | 6,537 | 7,386 | 7,813 | | 283.5 | 344.7 | |
| | Min | 3,405 | | | | | | | | | | | | | | | | 1,481 | 1,899 | 2,275 | 2,650 | 2,838 | | | | |
| | End | 6,542 | | | | | | | | | | | | | | | | 1,481 | 2,062 | 2,646 | 3,233 | 3,527 | | | | |
| GC4x03.0-SR4 | Start | 6,385 | | | | | | | | | | | | 4,827 | 6,304 | 7,777 | 9,245 | 10,711 | 12,177 | 13,644 | 15,113 | 16,585 | 18,064 | 18,805 | 168.0 | 344.7 |
| | Min | 3,392 | | | | | | | | | | | | 1,442 | 2,100 | 2,744 | 3,383 | 4,020 | 4,655 | 5,290 | 5,925 | 6,560 | 7,196 | 7,515 | | |
| | End | 6,494 | | | | | | | | | | | | 1,464 | 2,485 | 3,502 | 4,517 | 5,530 | 6,543 | 7,556 | 8,571 | 9,589 | 10,610 | 11,123 | | |
| GC4x03.5-SR4 | Start | 6,352 | | | | | | | | | | 6,315 | 8,554 | 10,784 | 13,007 | 15,224 | 17,437 | 19,648 | | | | | | | 113.4 | 241.0 |
| | Min | 3,378 | | | | | | | | | | 2,078 | 3,048 | 4,008 | 4,963 | 5,915 | 6,865 | 7,814 | | | | | | | | |
| | End | 6,447 | | | | | | | | | | 2,492 | 4,040 | 5,580 | 7,116 | 8,648 | 10,177 | 11,705 | | | | | | | | |
| GC4x04.0-SR4 | Start | 6,319 | | | | | | | | | | 5,233 | 8,361 | 11,475 | 14,577 | 17,670 | 20,754 | | | | | | | | 82.5 | 175.3 |
| | Min | 3,365 | | | | | | | | | | 1,596 | 2,952 | 4,285 | 5,610 | 6,931 | 8,248 | | | | | | | | | |
| | End | 6,400 | | | | | | | | | | 1,744 | 3,906 | 6,058 | 8,201 | 10,338 | 12,469 | | | | | | | | | |
| GC4x04.5-SR4 | Start | 6,282 | | | | 4,984 | 7,043 | 9,097 | 13,190 | 17,265 | 21,324 | | | | | | | | | | | | | | 63.0 | 133.9 |
| | Min | 3,350 | | | | 1,489 | 2,386 | 3,268 | 5,015 | 6,751 | 8,482 | | | | | | | | | | | | | | | |
| | End | 6,346 | | | | 1,573 | 2,996 | 4,415 | 7,243 | 10,058 | 12,863 | | | | | | | | | | | | | | | |
| GC4x05.0-SR4 | Start | 6,249 | | | 5,628 | 8,243 | 10,852 | 13,455 | 18,644 | | | | | | | | | | | | | | | | 49.8 | 105.9 |
| | Min | 3,336 | | | 1,775 | 2,902 | 4,015 | 5,122 | 7,327 | | | | | | | | | | | | | | | | | |
| | End | 6,298 | | | 2,018 | 3,825 | 5,627 | 7,426 | 11,011 | | | | | | | | | | | | | | | | | |
| GC4x06.0-SR4 | Start | 6,182 | | 8,021 | 11,918 | 15,807 | 19,688 | | | | | | | | | | | | | | | | | | 33.6 | 71.4 |
| | Min | 3,309 | | 2,814 | 4,472 | 6,120 | 7,764 | | | | | | | | | | | | | | | | | | | |
| | End | 6,202 | | 3,671 | 6,364 | 9,051 | 11,733 | | | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | |
|----------------|-------------|------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|----------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | |
| GC5x03.5-SR3 | Start | 17,363 | | | | | | | | | | | | | | | | 15,975 | 18,243 | 20,518 | 22,806 | 23,955 | 284.1 | 344.7 |
| | Min | 8,655 | | | | | | | | | | | | | | | | 4,326 | 5,598 | 6,622 | 7,639 | 8,145 | | |
| | End | 15,306 | | | | | | | | | | | | | | | | | 4,326 | 5,894 | 7,468 | 9,050 | | |
| GC5x04.0-SR3 | Start | 17,319 | | | | | | | | | | | | 18,019 | 21,393 | 24,762 | 28,129 | 31,499 | 34,874 | 38,258 | 41,654 | 43,358 | 195.3 | 344.7 |
| | Min | 8,638 | | | | | | | | | | | | 5,366 | 6,874 | 8,360 | 9,835 | 11,305 | 12,772 | 14,238 | 15,707 | 16,443 | | |
| | End | 15,244 | | | | | | | | | | | | 5,739 | 8,073 | 10,403 | 12,732 | 15,062 | 17,397 | 19,737 | 22,086 | 23,264 | | |
| GC5x04.5-SR3 | Start | 17,276 | | | | | | | | 16,654 | 21,325 | 25,978 | 30,619 | 35,250 | 39,876 | 44,501 | | | | | | | 144.2 | 261.9 |
| | Min | 8,620 | | | | | | | | 4,680 | 6,768 | 8,804 | 10,820 | 12,825 | 14,823 | 16,818 | | | | | | | | |
| | End | 15,182 | | | | | | | | 4,796 | 8,026 | 11,244 | 14,453 | 17,657 | 20,856 | 24,055 | | | | | | | | |
| GC5x05.0-SR3 | Start | 17,233 | | | | | | | | 20,423 | 26,526 | 32,606 | 38,669 | 44,718 | | | | | | | | | 111.6 | 201.3 |
| | Min | 8,602 | | | | | | | | 6,332 | 8,992 | 11,618 | 14,227 | 16,826 | | | | | | | | | | |
| | End | 15,120 | | | | | | | | 7,402 | 11,623 | 15,828 | 20,021 | 24,205 | | | | | | | | | | |
| GC5x06.0-SR3 | Start | 17,147 | | | | | 16,465 | 21,200 | 30,642 | 40,050 | | | | | | | | | | | | | 73.2 | 133.0 |
| | Min | 8,567 | | | | | 4,543 | 6,645 | 10,720 | 14,744 | | | | | | | | | | | | | | |
| | End | 14,996 | | | | | 4,665 | 7,940 | 14,470 | 20,976 | | | | | | | | | | | | | | |
| GC5x07.0-SR3 | Start | 17,061 | | | 16,593 | 23,296 | 29,987 | 36,666 | | | | | | | | | | | | | | | 52.1 | 94.6 |
| | Min | 8,531 | | | 4,605 | 7,553 | 10,427 | 13,279 | | | | | | | | | | | | | | | | |
| | End | 14,871 | | | 4,754 | 9,389 | 14,017 | 18,636 | | | | | | | | | | | | | | | | |
| GC5x08.0-SR3 | Start | 16,955 | | 18,720 | 27,667 | 36,594 | 45,502 | | | | | | | | | | | | | | | | 39.1 | 70.9 |
| | Min | 8,488 | | 5,572 | 9,447 | 13,258 | 17,047 | | | | | | | | | | | | | | | | | |
| | End | 14,718 | | 6,224 | 12,412 | 18,586 | 24,747 | | | | | | | | | | | | | | | | | |
| GC5x03.5-SR4 | Start | 14,435 | | | | | | | | | | | | | | 13,875 | 16,136 | 18,399 | 20,667 | 22,943 | 25,230 | 26,379 | 237.4 | 344.7 |
| | Min | 7,247 | | | | | | | | | | | | | | 4,107 | 5,135 | 6,146 | 7,150 | 8,152 | 9,154 | 9,655 | | |
| | End | 12,885 | | | | | | | | | | | | | | 4,118 | 5,681 | 7,246 | 8,815 | 10,389 | 11,971 | 12,765 | | |
| GC5x04.0-SR4 | Start | 14,392 | | | | | | | | 13,666 | 17,061 | 20,443 | 23,817 | 27,186 | 30,554 | 33,923 | 37,298 | 40,682 | 44,079 | 45,783 | | | 163.2 | 344.7 |
| | Min | 7,230 | | | | | | | | 3,910 | 5,435 | 6,925 | 8,400 | 9,868 | 11,331 | 12,792 | 14,253 | 15,716 | 17,181 | 17,915 | | | | |
| | End | 12,823 | | | | | | | | 3,973 | 6,321 | 8,660 | 10,993 | 13,323 | 15,652 | 17,983 | 20,317 | 22,657 | 25,006 | 26,185 | | | | |
| GC5x04.5-SR4 | Start | 14,349 | | | | | | | | 14,388 | 19,079 | 23,749 | 28,402 | 33,043 | 37,674 | 42,301 | 46,925 | | | | | | 120.5 | 261.9 |
| | Min | 7,212 | | | | | | | | 4,192 | 6,266 | 8,295 | 10,308 | 12,310 | 14,306 | 16,299 | 18,289 | | | | | | | |
| | End | 12,761 | | | | | | | | 4,472 | 7,716 | 10,946 | 14,165 | 17,374 | 20,577 | 23,777 | 26,975 | | | | | | | |
| GC5x05.0-SR4 | Start | 14,306 | | | | | | | 16,719 | 22,847 | 28,950 | 35,031 | 41,093 | 47,142 | | | | | | | | | 93.3 | 201.3 |
| | Min | 7,194 | | | | | | | 5,205 | 7,868 | 10,495 | 13,105 | 15,704 | 18,297 | | | | | | | | | | |
| | End | 12,699 | | | | | | | 6,084 | 10,323 | 14,543 | 18,749 | 22,942 | 27,125 | | | | | | | | | | |
| GC5x06.0-SR4 | Start | 14,219 | | | | 14,143 | 18,889 | 23,624 | 33,066 | 42,474 | | | | | | | | | | | | | 61.2 | 133.0 |
| | Min | 7,159 | | | | 4,053 | 6,135 | 8,175 | 12,211 | 16,221 | | | | | | | | | | | | | | |
| | End | 12,574 | | | | 4,303 | 7,585 | 10,860 | 17,390 | 23,897 | | | | | | | | | | | | | | |
| GC5x07.0-SR4 | Start | 14,133 | | | 19,018 | 25,721 | 32,411 | 39,091 | | | | | | | | | | | | | | | 43.5 | 94.6 |
| | Min | 7,124 | | | 6,194 | 9,069 | 11,919 | 14,758 | | | | | | | | | | | | | | | | |
| | End | 12,450 | | | 7,674 | 12,310 | 16,937 | 21,557 | | | | | | | | | | | | | | | | |
| GC5x08.0-SR4 | Start | 14,027 | | 21,144 | 30,091 | 39,018 | 47,926 | | | | | | | | | | | | | | | | 32.6 | 70.9 |
| | Min | 7,080 | | 7,126 | 10,945 | 14,738 | 18,518 | | | | | | | | | | | | | | | | | |
| | End | 12,297 | | 9,145 | 15,332 | 21,506 | 27,667 | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | |
|----------------|-------------|------------------|--------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|--------|--------|--------|--------|--------|------------|----------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | |
| GC7x04.5-SR1 | Start | 47,935 | | | | | | | | | | | | | | | | | | 48,308 | 50,974 | 342.6 | 344.7 | |
| | Min | 23,480 | | | | | | | | | | | | | | | | | | 13,672 | 14,887 | | | |
| | End | 40,891 | | | | | | | | | | | | | | | | | | 13,908 | 15,752 | | | |
| GC7x05.0-SR1 | Start | 47,882 | | | | | | | | | | | | | | | 49,638 | 56,647 | 63,664 | 70,694 | 77,743 | 81,276 | 261.0 | 337.0 |
| | Min | 23,458 | | | | | | | | | | | | | | 14,126 | 17,282 | 20,385 | 23,464 | 26,531 | 28,064 | | | |
| | End | 40,815 | | | | | | | | | | | | | | 14,828 | 19,675 | 24,528 | 29,390 | 34,265 | 36,709 | | | |
| GC7x06.0-SR1 | Start | 47,776 | | | | | | | | | | | | | | | | | | | | | 168.2 | 217.2 |
| | Min | 23,414 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 40,662 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x07.0-SR1 | Start | 47,670 | | | | | | | | | | | | | | | | | | | | | 118.4 | 152.9 |
| | Min | 23,371 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 40,509 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x08.0-SR1 | Start | 47,539 | | | | | | | | | | | | | | | | | | | | | 88.3 | 114.0 |
| | Min | 23,317 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 40,322 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x09.0-SR1 | Start | 47,430 | | | | | | | | | | | | | | | | | | | | | 68.5 | 88.5 |
| | Min | 23,273 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 40,164 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x10.0-SR1 | Start | 47,321 | | | | | | | | | | | | | | | | | | | | | 54.8 | 70.8 |
| | Min | 23,228 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 40,007 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x04.5-SR2 | Start | 42,285 | | | | | | | | | | | | | | | | | | | | | 302.8 | 344.7 |
| | Min | 20,766 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 36,235 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x05.0-SR2 | Start | 42,232 | | | | | | | | | | | | | | | | | | | | | 230.7 | 337.0 |
| | Min | 20,744 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 36,159 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x06.0-SR2 | Start | 42,126 | | | | | | | | | | | | | | | | | | | | | 148.7 | 217.2 |
| | Min | 20,700 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 36,006 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x07.0-SR2 | Start | 42,020 | | | | | | | | | | | | | | | | | | | | | 104.7 | 152.9 |
| | Min | 20,657 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 35,853 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x08.0-SR2 | Start | 41,889 | | | | | | | | | | | | | | | | | | | | | 78.0 | 114.0 |
| | Min | 20,603 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 35,665 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x09.0-SR2 | Start | 41,780 | | | | | | | | | | | | | | | | | | | | | 60.6 | 88.5 |
| | Min | 20,558 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 35,508 | | | | | | | | | | | | | | | | | | | | | | |
| GC7x10.0-SR2 | Start | 41,671 | | | | | | | | | | | | | | | | | | | | | 48.4 | 70.8 |
| | Min | 20,513 | | | | | | | | | | | | | | | | | | | | | | |
| | End | 35,350 | | | | | | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | | | | | |
|----------------|-------------|------------------|--------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|--------|--------|--------|--------|--------|------------|----------|--------|--------|--------|-------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 | | | | |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | | | | | |
| GC7x04.5-SR3 | Start | 34,773 | | | | | | | | | | | | | | 32,714 | 37,990 | 43,270 | 48,557 | 53,857 | 59,173 | 61,840 | 249.9 | 344.7 | | | | |
| | Min | 17,156 | | | | | | | | | | | | | | 8,737 | 11,367 | 13,724 | 16,057 | 18,376 | 20,690 | 21,847 | | | | | | |
| | End | 30,038 | | | | | | | | | | | | | | 8,737 | 12,387 | 16,038 | 19,695 | 23,360 | 27,037 | 28,881 | | | | | | |
| GC7x05.0-SR3 | Start | 34,720 | | | | | | | | | | | | | | 32,447 | 39,475 | 46,490 | 53,498 | 60,504 | 67,513 | 74,530 | 81,560 | 88,608 | 92,141 | 190.4 | 337.0 | |
| | Min | 17,134 | | | | | | | | | | | | | | 8,553 | 11,908 | 15,011 | 18,076 | 21,122 | 24,157 | 27,189 | 30,217 | 33,250 | 34,766 | | | |
| | End | 29,962 | | | | | | | | | | | | | | 8,553 | 13,413 | 18,265 | 23,112 | 27,957 | 32,804 | 37,657 | 42,519 | 47,394 | 49,838 | | | |
| GC7x06.0-SR3 | Start | 34,614 | | | | | | | | | | | | | | 35,346 | 46,466 | 57,554 | 68,616 | 79,658 | 90,685 | | | | | | 122.7 | 217.2 |
| | Min | 17,090 | | | | | | | | | | | | | | 9,935 | 14,858 | 19,668 | 24,434 | 29,177 | 33,908 | | | | | | | |
| | End | 29,809 | | | | | | | | | | | | | | 10,558 | 18,248 | 25,917 | 33,567 | 41,204 | 48,831 | | | | | | | |
| GC7x07.0-SR3 | Start | 34,508 | | | | | | | | | | | | | | 47,961 | 63,885 | 79,766 | 95,612 | | | | | | | | 86.4 | 152.9 |
| | Min | 17,047 | | | | | | | | | | | | | | 15,454 | 22,316 | 29,113 | 35,880 | | | | | | | | | |
| | End | 29,657 | | | | | | | | | | | | | | 19,283 | 30,295 | 41,279 | 52,238 | | | | | | | | | |
| GC7x08.0-SR3 | Start | 34,378 | | | | | | | | | | | | | | 43,042 | 53,766 | 75,151 | | | | | | | | | 64.4 | 114.0 |
| | Min | 16,993 | | | | | | | | | | | | | | 13,320 | 17,968 | 27,137 | | | | | | | | | | |
| | End | 29,469 | | | | | | | | | | | | | | 15,881 | 23,297 | 38,087 | | | | | | | | | | |
| GC7x09.0-SR3 | Start | 34,268 | | | | | | | | | | | | | | 37,041 | 50,936 | 64,804 | 78,648 | | | | | | | | 50.0 | 88.5 |
| | Min | 16,948 | | | | | | | | | | | | | | 10,672 | 16,739 | 22,690 | 28,598 | | | | | | | | | |
| | End | 29,311 | | | | | | | | | | | | | | 11,730 | 21,340 | 30,931 | 40,506 | | | | | | | | | |
| GC7x10.0-SR3 | Start | 34,159 | | | | | | | | | | | | | | 36,981 | 54,400 | 71,789 | 89,150 | | | | | | | | 40.0 | 70.8 |
| | Min | 16,903 | | | | | | | | | | | | | | 10,656 | 18,233 | 25,667 | 33,056 | | | | | | | | | |
| | End | 29,154 | | | | | | | | | | | | | | 11,689 | 23,736 | 35,762 | 47,769 | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | | | |
|----------------|-------------|------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|------------|----------|--------|--------|--------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 | | |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | | | |
| GC7x04.0-SR4 | Start | 29,176 | | | | | | | | | | | | | | | | 26,274 | 30,017 | 33,770 | 37,540 | 39,432 | 291.8 | 344.7 | | |
| | Min | 14,463 | | | | | | | | | | | | | | | | 6,696 | 8,927 | 10,619 | 12,295 | 13,130 | | | | |
| | End | 25,459 | | | | | | | | | | | | | | | | | 6,696 | 9,284 | 11,880 | 14,487 | | | 15,795 | |
| GC7x04.5-SR4 | Start | 29,123 | | | | | | | | | | | | 26,811 | 32,096 | 37,375 | 42,652 | 47,932 | 53,219 | 58,518 | 63,835 | 66,501 | 210.1 | 344.7 | | |
| | Min | 14,441 | | | | | | | | | | | | 7,067 | 9,703 | 12,052 | 14,372 | 16,679 | 18,980 | 21,277 | 23,576 | 24,726 | | | | |
| | End | 25,382 | | | | | | | | | | | | 7,067 | 10,722 | 14,373 | 18,023 | 21,674 | 25,331 | 28,996 | 32,673 | 34,517 | | | | |
| GC7x05.0-SR4 | Start | 29,070 | | | | | | | | | | | | 30,063 | 37,109 | 44,136 | 51,152 | 58,160 | 65,166 | 72,174 | 79,191 | 86,221 | 93,270 | 96,803 | 160.1 | 337.0 |
| | Min | 14,420 | | | | | | | | | | | | 8,691 | 11,825 | 14,899 | 17,946 | 20,979 | 24,004 | 27,026 | 30,045 | 33,066 | 36,092 | 37,605 | | |
| | End | 25,306 | | | | | | | | | | | | 9,316 | 14,189 | 19,049 | 23,901 | 28,748 | 33,593 | 38,440 | 43,293 | 48,155 | 53,030 | 55,474 | | |
| GC7x06.0-SR4 | Start | 28,964 | | | | | | | 28,851 | 40,008 | 51,128 | 62,215 | 73,277 | 84,319 | 95,347 | | | | | | | | | | 103.1 | 217.2 |
| | Min | 14,376 | | | | | | | 8,063 | 12,989 | 17,795 | 22,560 | 27,302 | 32,028 | 36,748 | | | | | | | | | | | |
| | End | 25,153 | | | | | | | 8,478 | 16,194 | 23,884 | 31,553 | 39,203 | 46,840 | 54,467 | | | | | | | | | | | |
| GC7x07.0-SR4 | Start | 28,858 | | | | | 28,644 | 36,651 | 52,623 | 68,547 | 84,428 | 100,274 | | | | | | | | | | | | | 72.6 | 152.9 |
| | Min | 14,333 | | | | | 7,951 | 11,496 | 18,384 | 25,191 | 31,964 | 38,717 | | | | | | | | | | | | | | |
| | End | 25,000 | | | | | 8,335 | 13,872 | 24,919 | 35,931 | 46,915 | 57,874 | | | | | | | | | | | | | | |
| GC7x08.0-SR4 | Start | 28,728 | | | | 36,959 | 47,704 | 58,427 | 79,813 | | | | | | | | | | | | | | | | 54.1 | 114.0 |
| | Min | 14,279 | | | | 11,641 | 16,281 | 20,872 | 29,992 | | | | | | | | | | | | | | | | | |
| | End | 24,813 | | | | 14,085 | 21,517 | 28,933 | 43,723 | | | | | | | | | | | | | | | | | |
| GC7x09.0-SR4 | Start | 28,618 | 27,782 | 41,703 | 55,597 | 69,466 | 83,310 | | | | | | | | | | | | | | | | | | 42.0 | 88.5 |
| | Min | 14,234 | 7,583 | 13,699 | 19,655 | 25,564 | 31,451 | | | | | | | | | | | | | | | | | | | |
| | End | 24,655 | 7,738 | 17,366 | 26,976 | 36,567 | 46,142 | | | | | | | | | | | | | | | | | | | |
| GC7x10.0-SR4 | Start | 28,509 | 41,643 | 59,062 | 76,451 | 93,812 | | | | | | | | | | | | | | | | | | | 33.6 | 70.8 |
| | Min | 14,189 | 13,683 | 21,135 | 28,530 | 35,899 | | | | | | | | | | | | | | | | | | | | |
| | End | 24,498 | 17,325 | 29,372 | 41,398 | 53,405 | | | | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | |
|----------------|-------------|------------------|--------------------------|--------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|---------|---------|---------|---------|------------|----------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | |
| GC8x05.0-SR3 | Start | 48,213 | | | | | | | | | | | | | | 36,201 | 43,378 | 50,559 | 57,750 | 64,958 | 72,189 | | 254.5 | 328.5 |
| | Min | 25,396 | | | | | | | | | | | | | | 10,625 | 13,843 | 17,007 | 20,150 | 23,283 | 26,413 | | | |
| | End | 49,146 | | | | | | | | | | | | | | 10,960 | 15,924 | 20,891 | 25,864 | 30,850 | 35,851 | | | |
| GC8x06.0-SR3 | Start | 48,088 | | | | | | | | | | 45,493 | 57,478 | 69,439 | 81,382 | 93,314 | 105,243 | 117,176 | 129,121 | 141,085 | | | 156.1 | 321.6 |
| | Min | 25,345 | | | | | | | | | | 14,507 | 19,723 | 24,887 | 30,027 | 35,154 | 40,272 | 45,389 | 50,503 | 55,622 | | | | |
| | End | 48,965 | | | | | | | | | | 17,387 | 25,677 | 33,949 | 42,209 | 50,462 | 58,713 | 66,966 | 75,228 | 83,503 | | | | |
| GC8x07.0-SR3 | Start | 47,962 | | | | | | | | 55,223 | 72,922 | 90,577 | 108,195 | 125,785 | 143,356 | | | | | | | | 107.1 | 220.7 |
| | Min | 25,294 | | | | | | | | 18,623 | 26,227 | 33,781 | 41,305 | 48,813 | 56,311 | | | | | | | | | |
| | End | 48,784 | | | | | | | | 24,117 | 36,358 | 48,569 | 60,754 | 72,921 | 85,073 | | | | | | | | | |
| GC8x08.0-SR3 | Start | 47,808 | | | | | 45,456 | 69,681 | 93,816 | 117,874 | 141,865 | | | | | | | | | | | | 78.6 | 162.0 |
| | Min | 25,231 | | | | | 14,385 | 24,820 | 35,134 | 45,396 | 55,626 | | | | | | | | | | | | | |
| | End | 48,561 | | | | | 17,362 | 34,117 | 50,809 | 67,448 | 84,042 | | | | | | | | | | | | | |
| GC8x09.0-SR3 | Start | 47,678 | | | 43,209 | 59,085 | 74,932 | 106,544 | 138,055 | | | | | | | | | | | | | | 60.4 | 124.5 |
| | Min | 25,178 | | | 13,390 | 20,249 | 27,025 | 40,485 | 53,884 | | | | | | | | | | | | | | | |
| | End | 48,375 | | | 15,807 | 26,788 | 37,749 | 59,612 | 81,407 | | | | | | | | | | | | | | | |
| GC8x10.0-SR3 | Start | 47,549 | | 47,862 | 67,910 | 87,924 | 107,905 | 147,776 | | | | | | | | | | | | | | | 48.0 | 98.9 |
| | Min | 25,125 | | 15,415 | 24,016 | 32,538 | 41,026 | 57,948 | | | | | | | | | | | | | | | | |
| | End | 48,188 | | 19,025 | 32,892 | 46,734 | 60,554 | 88,130 | | | | | | | | | | | | | | | | |
| GC8x12.0-SR3 | Start | 47,246 | 65,772 | 95,415 | 125,004 | 154,541 | | | | | | | | | | | | | | | | | 32.5 | 67.0 |
| | Min | 25,002 | 31,412 | 51,915 | 72,380 | 92,809 | | | | | | | | | | | | | | | | | | |
| | End | 47,752 | 31,412 | 51,915 | 72,380 | 92,809 | | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | | | | |
|----------------|-------------|------------------|--------------------------|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|----------|-----|-----|-------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 | | | |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | | | | |
| GC10x08.0-SR1 | Start | 163,665 | | | | | | | | | | | | | 187,865 | 217,434 | 246,996 | | | | | | | | 213.0 | 260.8 | |
| | Min | 79,486 | | | | | | | | | | | | | 55,019 | 68,127 | 81,061 | | | | | | | | | | |
| | End | 136,955 | | | | | | | | | | | | | 61,471 | 81,922 | 102,368 | | | | | | | | | | |
| GC10x09.0-SR1 | Start | 163,495 | | | | | | | | | | 176,410 | 215,761 | 255,050 | | | | | | | | | | | | 161.6 | 195.8 |
| | Min | 79,416 | | | | | | | | | | 49,543 | 67,034 | 84,166 | | | | | | | | | | | | | |
| | End | 136,710 | | | | | | | | | | 53,548 | 80,765 | 107,938 | | | | | | | | | | | | | |
| GC10x10.0-SR1 | Start | 163,325 | | | | | | | | 162,455 | 212,813 | 263,063 | | | | | | | | | | | | | | 127.3 | 155.8 |
| | Min | 79,346 | | | | | | | | 42,972 | 65,526 | 87,376 | | | | | | | | | | | | | | | |
| | End | 136,465 | | | | | | | | 43,897 | 78,726 | 113,481 | | | | | | | | | | | | | | | |
| GC10x12.0-SR1 | Start | 162,928 | | | | | | | | 236,891 | | | | | | | | | | | | | | | | 85.3 | 104.5 |
| | Min | 79,182 | | | | | | | | 75,890 | | | | | | | | | | | | | | | | | |
| | End | 135,892 | | | | | | | | 95,379 | | | | | | | | | | | | | | | | | |
| GC10x07.0-SR2 | Start | 131,911 | | | | | | | | | | | | | | 139,149 | 160,449 | 181,756 | 203,080 | 224,434 | 245,828 | 256,544 | | | 238.9 | 344.7 | |
| | Min | 65,134 | | | | | | | | | | | | | | 40,338 | 49,807 | 59,143 | 68,409 | 77,642 | 86,862 | 91,464 | | | | | |
| | End | 115,063 | | | | | | | | | | | | | | 44,301 | 59,033 | 73,769 | 88,518 | 103,287 | 118,084 | 125,495 | | | | | |
| GC10x08.0-SR2 | Start | 131,708 | | | | | | | | | | | | 150,849 | 180,481 | 210,074 | 239,642 | 269,204 | | | | | | | 171.9 | 260.8 | |
| | Min | 65,051 | | | | | | | | | | | | 45,442 | 58,466 | 71,327 | 84,111 | 96,846 | | | | | | | | | |
| | End | 114,770 | | | | | | | | | | | | 52,393 | 72,888 | 93,355 | 113,805 | 134,251 | | | | | | | | | |
| GC10x09.0-SR2 | Start | 131,538 | | | | | | | | | 159,187 | 198,618 | 237,969 | 277,258 | | | | | | | | | | | 130.4 | 195.8 | |
| | Min | 64,981 | | | | | | | | | 48,886 | 66,064 | 83,037 | 99,917 | | | | | | | | | | | | | |
| | End | 114,525 | | | | | | | | | 58,160 | 85,432 | 112,648 | 139,822 | | | | | | | | | | | | | |
| GC10x10.0-SR2 | Start | 131,368 | | | | | | | | 134,178 | 184,663 | 235,021 | 285,272 | | | | | | | | | | | | 102.7 | 155.8 | |
| | Min | 64,911 | | | | | | | | 37,655 | 59,853 | 81,556 | 103,090 | | | | | | | | | | | | | | |
| | End | 114,280 | | | | | | | | 40,863 | 75,780 | 110,609 | 145,364 | | | | | | | | | | | | | | |
| GC10x12.0-SR2 | Start | 130,970 | | | | | 145,679 | 183,546 | 259,099 | | | | | | | | | | | | | | | | 68.8 | 104.5 | |
| | Min | 64,748 | | | | | 42,755 | 59,296 | 91,743 | | | | | | | | | | | | | | | | | | |
| | End | 113,708 | | | | | 48,817 | 75,007 | 127,262 | | | | | | | | | | | | | | | | | | |
| GC10x14.0-SR2 | Start | 130,620 | | | 143,838 | 196,723 | 249,529 | | | | | | | | | | | | | | | | | | 49.5 | 75.2 | |
| | Min | 64,604 | | | 41,920 | 64,930 | 87,552 | | | | | | | | | | | | | | | | | | | | |
| | End | 113,203 | | | 47,544 | 84,121 | 120,644 | | | | | | | | | | | | | | | | | | | | |

Torque - Hydraulic Spring-Return Actuator

| Actuator Model | Metric Unit | Spring Torque Nm | Operating Pressure, barg | | | | | | | | | | | | | | | | | | MinOP barg | MOP barg | | | | |
|----------------|-------------|------------------|--------------------------|----|---------|---------|---------|---------|---------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|----------|---------|---------|-------|-------|
| | | | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | 340 | 350 | | |
| | | | Air Torque Output, Nm | | | | | | | | | | | | | | | | | | | | | | | |
| GC10x07.0-SR3 | Start | 120,186 | | | | | | | | | | | | | 136,769 | 158,074 | 179,374 | 200,680 | 222,005 | 243,358 | 264,752 | 275,468 | 218.0 | 344.7 | | |
| | Min | 57,440 | | | | | | | | | | | | | 38,543 | 48,080 | 57,447 | 66,734 | 75,975 | 85,188 | 94,391 | 98,993 | | | | |
| | End | 96,158 | | | | | | | | | | | | | 41,264 | 55,999 | 70,731 | 85,467 | 100,216 | 114,985 | 129,782 | 137,193 | | | | |
| GC10x08.0-SR3 | Start | 119,983 | | | | | | | | | 140,085 | 169,774 | 199,406 | | | | | | | | | | 156.8 | 260.8 | | |
| | Min | 57,356 | | | | | | | | | 39,934 | 53,120 | 66,060 | 78,884 | 91,645 | 104,374 | | | | | | | | | | |
| | End | 95,866 | | | | | | | | | 43,558 | 64,091 | 84,586 | 105,053 | 125,503 | 145,949 | | | | | | | | | | |
| GC10x09.0-SR3 | Start | 119,813 | | | | | | | | | 138,582 | 178,111 | 217,543 | 256,894 | 296,182 | | | | | | | | 119.0 | 195.8 | | |
| | Min | 57,286 | | | | | | | | | 39,069 | 56,535 | 73,630 | 90,575 | 107,437 | | | | | | | | | | | |
| | End | 95,621 | | | | | | | | | 42,518 | 69,858 | 97,130 | 124,346 | 151,520 | | | | | | | | | | | |
| GC10x10.0-SR3 | Start | 119,643 | | | | | | | | | 153,103 | 203,588 | 253,946 | 304,196 | | | | | | | | | 93.7 | 155.8 | | |
| | Min | 57,215 | | | | | | | | | 45,445 | 67,444 | 89,098 | 110,606 | | | | | | | | | | | | |
| | End | 95,376 | | | | | | | | | 52,561 | 87,478 | 122,307 | 157,062 | | | | | | | | | | | | |
| GC10x12.0-SR3 | Start | 119,245 | | | | 126,671 | 164,603 | 202,470 | | | | | | | | | | | | | | | 62.8 | 104.5 | | |
| | Min | 57,051 | | | | 33,521 | 50,465 | 66,887 | | | | | | | | | | | | | | | | | | |
| | End | 94,803 | | | | 34,280 | 60,515 | 86,705 | 138,960 | | | | | | | | | | | | | | | | | |
| GC10x14.0-SR3 | Start | 118,895 | | | 162,762 | 215,648 | 268,454 | | | | | | | | | | | | | | | | 45.2 | 75.2 | | |
| | Min | 56,907 | | | 49,641 | 72,500 | 95,081 | | | | | | | | | | | | | | | | | | | |
| | End | 94,298 | | | 59,242 | 95,819 | 132,342 | | | | | | | | | | | | | | | | | | | |
| GC10x06.0-SR4 | Start | 96,347 | | | | | | | | | | | | | | | 98,706 | 112,621 | 126,553 | 140,511 | 154,505 | 161,519 | 264.5 | 344.7 | | |
| | Min | 46,937 | | | | | | | | | | | | | | | 27,485 | 33,791 | 39,976 | 46,106 | 52,206 | 55,250 | | | | |
| | End | 80,889 | | | | | | | | | | | | | | | 28,150 | 37,774 | 47,410 | 57,064 | 66,743 | 71,594 | | | | |
| GC10x07.0-SR4 | Start | 96,182 | | | | | | | | | | | | | 109,624 | 130,972 | 152,293 | 173,597 | 194,897 | 216,204 | 237,528 | 258,882 | 280,276 | 290,992 | 175.0 | 344.7 |
| | Min | 46,869 | | | | | | | | | | | | | 32,047 | 41,489 | 50,784 | 60,007 | 69,194 | 78,363 | 87,512 | 96,669 | 105,818 | 110,398 | | |
| | End | 80,652 | | | | | | | | | | | | | 35,701 | 50,466 | 65,213 | 79,948 | 94,679 | 109,416 | 124,164 | 138,933 | 153,730 | 161,142 | | |
| GC10x08.0-SR4 | Start | 95,979 | | | | | | | | | 95,997 | 125,848 | 155,609 | 185,297 | 214,929 | 244,522 | 274,090 | 303,652 | | | | | | 125.9 | 260.8 | |
| | Min | 46,785 | | | | | | | | | 25,782 | 39,148 | 52,116 | 64,942 | 77,696 | 90,403 | 103,086 | 115,754 | | | | | | | | |
| | End | 80,359 | | | | | | | | | 26,276 | 46,922 | 67,506 | 88,040 | 108,534 | 129,001 | 149,452 | 169,898 | | | | | | | | |
| GC10x09.0-SR4 | Start | 95,809 | | | | | | | | | 114,459 | 154,105 | 193,635 | 233,066 | 272,417 | 311,706 | | | | | | | 95.5 | 195.8 | | |
| | Min | 46,715 | | | | | | | | | 33,998 | 51,286 | 68,296 | 85,189 | 102,020 | 118,810 | | | | | | | | | | |
| | End | 80,114 | | | | | | | | | 39,046 | 66,466 | 93,806 | 121,078 | 148,295 | 175,468 | | | | | | | | | | |
| GC10x10.0-SR4 | Start | 95,639 | | | | | | | | | 117,994 | 168,626 | 219,111 | 269,469 | 319,720 | | | | | | | | 75.2 | 155.8 | | |
| | Min | 46,645 | | | | | | | | | 35,502 | 57,445 | 79,062 | 100,551 | 121,973 | | | | | | | | | | | |
| | End | 79,869 | | | | | | | | | 41,491 | 76,509 | 111,427 | 146,256 | 181,011 | | | | | | | | | | | |
| GC10x12.0-SR4 | Start | 95,241 | | | 104,194 | 142,195 | 180,127 | 217,994 | 293,547 | | | | | | | | | | | | | | 50.4 | 104.5 | | |
| | Min | 46,481 | | | 29,384 | 46,038 | 62,336 | 78,513 | 110,676 | | | | | | | | | | | | | | | | | |
| | End | 79,296 | | | 31,946 | 58,228 | 84,464 | 110,654 | 162,909 | | | | | | | | | | | | | | | | | |
| GC10x14.0-SR4 | Start | 94,891 | | | 125,317 | 178,286 | 231,171 | 283,977 | | | | | | | | | | | | | | | 36.3 | 75.2 | | |
| | Min | 46,336 | | | 38,729 | 61,531 | 84,070 | 106,505 | | | | | | | | | | | | | | | | | | |
| | End | 78,792 | | | 46,555 | 83,190 | 119,768 | 156,290 | | | | | | | | | | | | | | | | | | |