

# DOGA SCREWDRIVERS

## CURRENT CONTROL

The DOGA current controlled screwdriver series is a cost-effective solution with the following features:

- ±3% torque repeatability
- 15 tightening programs for torque, angle, and speed settings
- Tightening programs can be set in sequences
- Easy-to-use color touchscreen and color-coded error signals
- Graphical representation of tightening curves
- Real-time transmission of tightening data
- Programmable 8 inputs and outputs
- RS232C, Ethernet, and Modbus protocols (TCP/IP, RTU)
- ESD protected
- Program selection via barcode reader
- PC software for programming, monitoring, and tightening data analysis (Stdev, Mean, Average, Cp, Cpk)



### REMOTE CONTROLLED

| Model           | Torque range (Nm) | Free speed (rpm) | Drive    | Weight (g) | Controller | Item    |
|-----------------|-------------------|------------------|----------|------------|------------|---------|
| <b>Mini</b>     |                   |                  |          |            |            |         |
| MDA2201-E+C*    | 0,01 - 0,068      | 150 - 2 000      | Halfmoon | 330        | MDC-22     | P109244 |
| MDA2201-E       | 0,01 - 0,68       | 150 - 2 000      | Halfmoon | 300        | MDC-22     | P180791 |
| MDA2203-A+C*,** | 0,04 - 0,196      | 100 - 1 000      | 1/4" QC  | 330        | MDC-22     | P207719 |
| MDA2203-E       | 0,04 - 0,196      | 100 - 1 800      | Halfmoon | 300        | MDC-22     | P180792 |
| MDA2205-A+C*,** | 0,05 - 0,274      | 100 - 1 500      | 1/4" QC  | 330        | MDC-22     | P207721 |
| MDA2208-A+C*,** | 0,089 - 0,441     | 100 - 950        | 1/4" QC  | 330        | MDC-22     | P207778 |
| MDA2213-A+C*    | 0,148 - 0,686     | 50 - 750         | 1/4" QC  | 330        | MDC-22     | P207779 |
| <b>Standard</b> |                   |                  |          |            |            |         |
| MDA2601-E       | 0,03 - 0,39       | 150 - 2 000      | Halfmoon | 525        | MDC-26     | P109125 |
| MDA2602-A**     | 0,05 - 0,68       | 150 - 2 000      | 1/4" QC  | 530        | MDC-26     | P104964 |
| MDA2604-A       | 0,2 - 1,37        | 150 - 1 500      | 1/4" QC  | 610        | MDC-26     | P104344 |
| MDA2611-A       | 0,4 - 3,3         | 100 - 900        | 1/4" QC  | 640        | MDC-26     | P101812 |
| MDA2616-A       | 0,5 - 4,9         | 100 - 620        | 1/4" QC  | 640        | MDC-26     | P113232 |
| MDA3201-A       | 0,1 - 1,17        | 150 - 2 000      | 1/4" QC  | 770        | MDC-32     | P104974 |
| MDA3203-A*      | 0,22 - 2,74       | 150 - 1 800      | 1/4" QC  | 945        | MDC-32     | P207912 |
| MDA3203-Q*      | 0,22 - 2,74       | 150 - 1 800      | 3/8" SQ  | -          | MDC-32     | P207915 |
| MDA3204-A*      | 0,4 - 3,9         | 150 - 1 500      | 1/4" QC  | 945        | MDC-32     | P103885 |
| MDA3208-A       | 0,7 - 7,3         | 50 - 950         | 1/4" QC  | 1000       | MDC-32     | P109197 |
| MDA3211-A*      | 1 - 8,8           | 50 - 690         | 1/4" QC  | 1005       | MDC-32     | P101809 |
| MDA3216-A*      | 2 - 13,7          | 50 - 470         | 1/4" QC  | 1000       | MDC-32     | P102909 |
| MDA3236-Q*      | 4 - 27            | 50 - 210         | 3/8" SQ  | 1550       | MDC-32     | P105852 |
| MDA3264-Q       | 8 - 49            | 50 - 115         | 1/2" SQ  | 1560       | MDC-32     | P137262 |
| MDA3264-Q/TBC   | 8 - 49            | 50 - 115         | 3/8" SQ  | -          | MDC-32     | P105779 |

\*) With built-in telescoping cushion

\*\*) Available with halfmoon drive

### CABLES

| Item    | Description               |
|---------|---------------------------|
| P103859 | MD mini cable 3 m         |
| P100003 | Cable MD 3 m              |
| P100048 | Reinforced cable MD 3 m   |
| P100208 | Cable MD 5 m*             |
| P100229 | Reinforced cable MD 5 m*  |
| P102905 | Cable MD 8 m**            |
| P101887 | Reinforced cable MD 8 m** |



\*) Torque -5% from max. value

\*\*) Torque -20% from max. value

### CONTROLLERS

| Item    | Model  |
|---------|--------|
| P212053 | MDC-22 |
| P100015 | MDC-26 |
| P100009 | MDC-32 |



| Model                  | Torque range Nm | Free speed rpm | Drive        | Weight g | Controller | Item    |
|------------------------|-----------------|----------------|--------------|----------|------------|---------|
| <b>Straight models</b> |                 |                |              |          |            |         |
| MD2201-E mini          | 0,01 - 0,068    | 150 - 2 000    | Halfmoon     | 228      | MDC-22     | P180786 |
| MD2203-E mini          | 0,04 - 0,196    | 100 - 1 000    | Halfmoon     | 228      | MDC-22     | P180787 |
| MD2205-A mini**        | 0,05 - 0,274    | 100 - 1 500    | 1/4" QC      | 228      | MDC-22     | P205187 |
| MD2208-A mini**        | 0,089 - 0,441   | 100 - 950      | 1/4" QC      | 228      | MDC-22     | P207718 |
| MD2213-A mini          | 0,148 - 0,686   | 50 - 750       | 1/4" QC      | 228      | MDC-22     | P180790 |
| MD2220-A mini          | 0,25 - 1        | 50 - 508       | 1/4" QC      | 228      | MDC-22     | P205597 |
| MD2601-A**             | 0,03 - 0,39     | 150 - 2 000    | 1/4" QC      | 430      | MDC-26     | P102694 |
| MD2602-A*, **          | 0,05 - 0,68     | 150 - 2 000    | 1/4" QC      | 435      | MDC-26     | P100724 |
| MD2604-A*              | 0,2 - 1,37      | 150 - 1 500    | 1/4" QC      | 515      | MDC-26     | P100308 |
| MD2611-A*              | 0,4 - 3,30      | 100 - 900      | 1/4" QC      | 545      | MDC-26     | P100082 |
| MD2616-A*              | 0,5 - 4,90      | 100 - 620      | 1/4" QC      | 545      | MDC-26     | P100089 |
| MD3201-A*              | 0,1 - 1,17      | 150 - 2 000    | 1/4" QC      | 675      | MDC-32     | P101026 |
| MD3203-A*              | 0,22 - 2,74     | 150 - 1 800    | 1/4" QC      | 850      | MDC-32     | P207906 |
| MD3204-A*              | 0,4 - 3,90      | 150 - 1 500    | 1/4" QC      | 850      | MDC-32     | P100196 |
| MD3208-A               | 0,7 - 7,30      | 50 - 950       | 1/4" QC      | 900      | MDC-32     | P109159 |
| MD3211-A*              | 1 - 8,80        | 50 - 690       | 1/4" QC      | 910      | MDC-32     | P100209 |
| MD3216-A*              | 2 - 13,70       | 50 - 470       | 1/4" QC      | 905      | MDC-32     | P100342 |
| MD3236-Q               | 4 - 27          | 50 - 210       | 3/8" SQ      | 1 340    | MDC-32     | P100938 |
| MD3264-Q               | 8 - 49          | 50 - 115       | 1/2" SQ      | 1 330    | MDC-32     | P101290 |
| <b>Angle models</b>    |                 |                |              |          |            |         |
| MDH2220-A 90° E6.3     | 0,25 - 1        | 50 - 508       | E6.3 1/4" QC | 330      | MDC-22     | P211470 |
| MDH2220-A 90° C6.3     | 0,25 - 1        | 50 - 508       | C6.3 1/4" QC | 330      | MDC-22     | P211471 |
| MDH2220-A 120° E6.3    | 0,25 - 1        | 50 - 508       | E6.3 1/4" QC | 330      | MDC-22     | P211466 |
| MDH2220-A 120° C6.3    | 0,25 - 1        | 50 - 508       | C6.3 1/4" QC | 330      | MDC-22     | P211468 |
| MDH2604-A              | 0,2 - 1,37      | 150 - 1 500    | 1/4" QC      | 875      | MDC-26     | P103879 |
| MDH2611-A              | 0,4 - 3,3       | 100 - 900      | 1/4" QC      | 905      | MDC-26     | P103881 |
| MDH2616-A              | 0,5 - 4,9       | 100 - 620      | 1/4" QC      | 900      | MDC-26     | P105798 |
| MDH3201-A              | 0,1 - 1,17      | 150 - 2 000    | 1/4" QC      | 1 085    | MDC-32     | P137260 |
| MDH3203-A              | 0,22 - 2,74     | 150 - 1 800    | 1/4" QC      | 1 260    | MDC-32     | P207910 |
| MDH3204-A              | 0,4 - 3,9       | 150 - 1 500    | 1/4" QC      | 1 260    | MDC-32     | P104938 |
| MDH3208-A              | 0,7 - 7,3       | 50 - 950       | 1/4" QC      | 1 300    | MDC-32     | P137304 |
| MDH3211-A              | 1 - 8,8         | 50 - 690       | 1/4" QC      | 1 315    | MDC-32     | P102018 |
| MDH3216-A              | 2 - 13,7        | 50 - 470       | 1/4" QC      | 1 315    | MDC-32     | P101814 |
| MDH3236-Q              | 4 - 27          | 50 - 210       | 3/8" SQ      | 1 940    | MDC-32     | P102310 |
| MDH3264-Q              | 8 - 49          | 50 - 115       | 1/2" SQ      | 1 930    | MDC-32     | P104342 |
| <b>Pistol models</b>   |                 |                |              |          |            |         |
| MDP3201-A/U***         | 0,1 - 1,17      | 150 - 2 000    | 1/4" QC      | 735      | MDC-32     | P113741 |
| MDP3203-A/U***         | 0,22 - 2,74     | 150 - 1 800    | 1/4" QC      | 910      | MDC-32     | P207908 |
| MDP3204-A/U***         | 0,4 - 3,9       | 150 - 1 500    | 1/4" QC      | 910      | MDC-32     | P101404 |
| MDP3208-A/U***         | 0,7 - 7,3       | 50 - 950       | 1/4" QC      | 950      | MDC-32     | P137303 |
| MDP3211-A/U***         | 1 - 8,8         | 50 - 690       | 1/4" QC      | 970      | MDC-32     | P103196 |
| MDP3216-A/U***         | 2 - 13,7        | 50 - 470       | 1/4" QC      | 965      | MDC-32     | P107118 |
| MDP3236-Q/U***         | 4 - 27          | 50 - 210       | 3/8" SQ      | 1 400    | MDC-32     | P137259 |
| MDP3264-Q/U***         | 8 - 49          | 50 - 115       | 1/2" SQ      | 1 410    | MDC-32     | P109123 |

\*) Available with Push-to-start

\*\*) Available with halfmoon drive

\*\*\*) Available with bottom exit cable

