

DOGA SCREWDRIVERS DC CONTROLLED

The DOGA dc 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)



Model	Torque range Nm	Free speed rpm	Drive	Weight kg	Controller	Item
Remote controlled						
MDA2201-E+C mini*	0,01 - 0,07	150 - 2 000	Halfmoon	0,30	MDC-26s	4-1000207
MDA2203-E+C mini*	0,04 - 0,2	100 - 1 000	Halfmoon	0,30	MDC-26s	4-1000208
MDA2601-E	0,03 - 0,39	150 - 2 000	Halfmoon	0,53	MDC-26	4-1050539
MDA2602-E	0,05 - 0,68	150 - 2 000	Halfmoon	0,53	MDC-26	4-1050540
MDA2602-A	0,05 - 0,68	150 - 2 000	1/4" QC or dia.4	0,53	MDC-26	4-1050541
MDA2604-A	0,2 - 1,37	150 - 1 500	1/4" QC or dia.4	0,61	MDC-26	4-1050542
MDA2611-A	0,4 - 3,3	100 - 900	1/4" QC	0,64	MDC-26	4-1050543
MDA2616-A	0,5 - 4,9	100 - 620	1/4" QC	0,64	MDC-26	4-1050544
MDA3201-A	0,1 - 1,17	150 - 2 000	1/4" QC	0,77	MDC-32	4-1050545
MDA3202-A	0,2 - 2,15	150 - 2 000	1/4" QC	0,78	MDC-32	4-1050546
MDA3204-A	0,4 - 3,9	150 - 1 500	1/4" QC	0,95	MDC-32	4-1050547
MDA3204-A/TBC*	0,4 - 3,9	150 - 1 500	1/4" QC	-	MDC-32	4-1050645
MDA3208-A	0,7 - 7,3	50 - 950	1/4" QC	1,00	MDC-32	4-1050756
MDA3211-A	1 - 8,8	50 - 690	1/4" QC	1,01	MDC-32	4-1050548
MDA3211-A/TBC*	1 - 8,8	50 - 690	1/4" QC	-	MDC-32	4-1050646
MDA3216-A	2 - 13,7	50 - 470	1/4" QC	1,00	MDC-32	4-1050549
MDA3216-A/TBC*	2 - 13,7	50 - 470	1/4" QC	-	MDC-32	4-1050647
MDA3236-Q	4 - 27	50 - 210	3/8" SQ	1,55	MDC-32	4-1050550
MDA3236-Q/TBC*	4 - 27	50 - 210	3/8" SQ	-	MDC-32	4-1050648
MDA3264-Q	8 - 49	50 - 115	1/2" SQ	1,56	MDC-32	4-1050551
MDA3264-Q/TBC*	8 - 49	50 - 115	3/8" SQ	-	MDC-32	4-1050649

*) With built-in telescoping cushion

CABLES

Item	Description
4-1000212	MD mini cable 3 m
4-1050753	MD mini cable 5 m
4-1050582	Cable MD 3 m
4-1050661	Reinforced cable MD 3 m
4-1050584	Cable MD 5 m*
4-1050662	Reinforced cable MD 5 m*
4-1050605	Cable MD 8 m**
4-1050663	Reinforced cable MD 8 m**



CONTROLLERS

Item	Description
4-1000209	MDC-26s -controller (MD22xx)
4-1000213	MDC-26s -controller (MDA22xx)
4-1050665	MDC-26 -controller (MD26xx, MDH26xx, MDA26xx)
4-1050666	MDC-32 -controller (MD32xx, MDP32xx, MDH32xx, MDA32xx)



*) Torque -5% from max. value
**) Torque -20% from max. value

Model	Torque range Nm	Free speed rpm	Drive	Weight kg	Controller	Item
Straight models						
MD2201-E mini	0,01 - 0,07	150 - 2 000	Halfmoon	0,22	MDC26s	4-1000205
MD2203-E mini	0,04 - 0,20	100 - 1 000	Halfmoon	0,22	MDC26s	4-1000206
MD2601-A	0,03 - 0,39	150 - 2 000	1/4" QC	0,43	MDC-26	4-1050500
MD2601-E	0,03 - 0,39	150 - 2 000	Halfmoon	0,43	MDC-26	4-1050501
MD2602-A	0,05 - 0,68	150 - 2 000	1/4" QC	0,44	MDC-26	4-1050502
MD2602-E	0,05 - 0,68	150 - 2 000	Halfmoon	0,44	MDC-26	4-1050503
MD2602-A/P	0,05 - 0,68	150 - 2 000	1/4" QC	0,44	MDC-26	4-1050652
MD2602-E/P	0,05 - 0,68	150 - 2 000	halfmoon	0,44	MDC-26	4-1050653
MD2604-A	0,2 - 1,37	150 - 1 500	1/4" QC	0,52	MDC-26	4-1050504
MD2604-A/P	0,2 - 1,37	150 - 1 500	1/4" QC	0,52	MDC-26	4-1050654
MD2611-A	0,4 - 3,30	100 - 900	1/4" QC	0,55	MDC-26	4-1050505
MD2611-A/P	0,4 - 3,30	100 - 900	1/4" QC	0,55	MDC-26	4-1050655
MD2616-A	0,5 - 4,90	100 - 620	1/4" QC	0,55	MDC-26	4-1050506
MD2616-A/P	0,5 - 4,90	100 - 620	1/4" QC	0,55	MDC-26	4-1050656
MD3201-A	0,1 - 1,17	150 - 2 000	1/4" QC	0,68	MDC-32	4-1050507
MD3201-A/P	0,1 - 1,17	150 - 2 000	1/4" QC	0,68	MDC-32	4-1050567
MD3202-A	0,2 - 2,45	150 - 2 000	1/4" QC	0,69	MDC-32	4-1050508
MD3202-A/P	0,2 - 2,15	150 - 2 000	1/4" QC	0,69	MDC-32	4-1050658
MD3204-A	0,4 - 3,90	150 - 1 500	1/4" QC	0,85	MDC-32	4-1050509
MD3204-A/P	0,4 - 3,90	150 - 1 500	1/4" QC	0,85	MDC-32	4-1050659
MD3208-A	0,7 - 7,30	50 - 950	1/4" QC	0,90	MDC-32	4-1050660
MD3211-A	1 - 8,80	50 - 690	1/4" QC	0,91	MDC-32	4-1050510
MD3211-A/P	1 - 8,80	50 - 690	1/4" QC	0,91	MDC-32	4-1050745
MD3216-A	2 - 13,70	50 - 470	1/4" QC	0,91	MDC-32	4-1050511
MD3216-D/P	2 - 13,70	50 - 470	1/4" QC	0,91	MDC-32	4-1050746
MD3236-Q	4 - 27	50 - 210	3/8" SQ	1,34	MDC-32	4-1050512
MD3264-Q	8 - 49	50 - 115	1/2" SQ	1,33	MDC-32	4-1050513
Angle models						
MDH2604-A	0,2 - 1,37	150 - 1 500	1/4" QC	0,88	MDC-26	4-1050528
MDH2611-A	0,4 - 3,3	100 - 900	1/4" QC	0,91	MDC-26	4-1050529
MDH2616-A	0,5 - 4,9	100 - 620	1/4" QC	0,90	MDC-26	4-1050530
MDH3201-A	0,1 - 1,17	150 - 2 000	1/4" QC	1,09	MDC-32	4-1050531
MDH3202-A	0,2 - 2,15	150 - 2 000	1/4" QC	1,10	MDC-32	4-1050532
MDH3204-A	0,4 - 3,9	150 - 1 500	1/4" QC	1,26	MDC-32	4-1050533
MDH3208-A	0,07 - 7,3	50 - 950	1/4" QC	1,30	MDC-32	4-1050755
MDH3211-A	1 - 8,8	50 - 690	1/4" QC	1,32	MDC-32	4-1050534
MDH3216-A	2 - 13,7	50 - 470	1/4" QC	1,32	MDC-32	4-1050535
MDH3236-Q	4 - 27	50 - 210	3/8" SQ	1,94	MDC-32	4-1050536
MDH3264-Q	8 - 49	50 - 115	1/2" SQ	1,93	MDC-32	4-1050537
Pistol models						
MDP3201-A/U	0,1 - 1,17	150 - 2 000	1/4" QC	0,74	MDC-32	4-1050514
MDP3201-A/D	0,1 - 1,17	150 - 2 000	1/4" QC	0,74	MDC-32	4-1050515
MDP3202-A/U	0,2 - 2,15	150 - 2 000	1/4" QC	0,75	MDC-32	4-1050516
MDP3202-A/D	0,2 - 2,15	150 - 2 000	1/4" QC	0,75	MDC-32	4-1050517
MDP3204-A/U	0,4 - 3,9	150 - 1 500	1/4" QC	0,91	MDC-32	4-1050518
MDP3204-A/D	0,4 - 3,9	150 - 1 500	1/4" QC	0,91	MDC-32	4-1050519
MDP3208-A/U	0,7 - 7,3	50 - 950	1/4" QC	0,95	MDC-32	4-1050754
MDP3208-A/D	0,7 - 7,3	50 - 950	1/4" QC	0,95	MDC-32	4-1050669
MDP3211-A/U	1 - 8,8	50 - 690	1/4" QC	0,97	MDC-32	4-1050520
MDP3211-A/D	1 - 8,8	50 - 690	1/4" QC	0,97	MDC-32	4-1050521
MDP3216-A/U	2 - 13,7	50 - 470	1/4" QC	0,97	MDC-32	4-1050522
MDP3216-A/D	2 - 13,7	50 - 470	1/4" QC	0,97	MDC-32	4-1050523
MDP3236-Q/U	4 - 27	50 - 210	3/8" SQ	1,40	MDC-32	4-1050524
MDP3236-Q/D	4 - 27	50 - 210	3/8" SQ	1,40	MDC-32	4-1050525
MDP3264-Q/U	8 - 49	50 - 115	1/2" SQ	1,41	MDC-32	4-1050526
MDP3264-Q/D	8 - 49	50 - 115	1/2" SQ	1,41	MDC-32	4-1050527

