

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)



Model	Torque range (Nm)	Free speed (rpm)	Drive	Weight (g)	Controller	Item
Fixture spindles						
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
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	MD22 mini cable 3 m
P137302	MD22 mini cable 5 m
P100003	MD26 / MD32 cable 3 m
P100048	MD26 / MD32 reinforced cable 3 m
P100208	MD26 / MD32 cable 5 m*
P100229	MD26 / MD32 reinforced cable 5 m*
P102905	MD26 / MD32 cable 8 m**
P101887	MD26 / MD32 reinforced cable 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
Straight models						
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
Angle models						
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
Pistol models						
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