



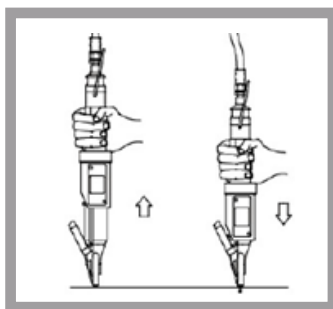
ASSEMBLY TOOLS AND SYSTEMS



**Automatic screw feeding
systems**

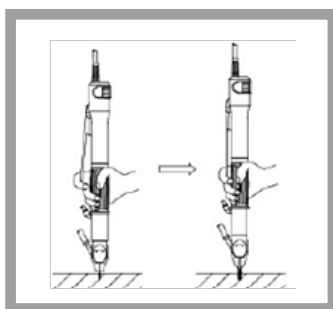


Range



DMS/DMBS Telescopic Spring version

System with telescopic compression spring perfectly suitable with Push to Start



DMA/DMBA Auto Advance version

System with pneumatic piston. Perfectly adapted when the nozzle should not be in contact with the product. The thread of the screw is firmly maintained outside of the jaws to easily target the screw hole.

Automatic screw feeding systems



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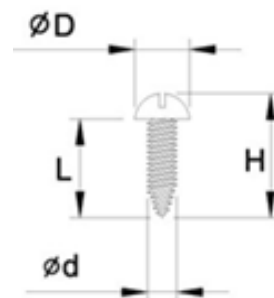
Selection Chart

Suitable screw body diameter

	M1,5	M2	M2,3	M3	M4	M5	M6	M7	M8
DMS-30									
DMS-40									
DMA-30									
DMA-40									
DMBS-501									
DMBA-501									
DMBS-502									
DMBS-502									

Suitable screw length

DMS-30	DMS-40	DMA-30	DMA-40	DMBS-501	DMBA-501	DMBS-502	DMBA-502
Screw head diameter $\varnothing D$	Min H length	Max L length	Max L length	Screw head diameter $\varnothing D$	Min H length	Max L length	Max L length
5	8	22	22	5	8	30	30
6	9	22	22	6	9	30	30
7	10	22	22	7	10	30	30
8	11	22	22	8	11	30	30
9	12	22	22	9	12	30	30
10	13	22	22	10	13	30	30
11	15	22	22	11	15	30	30
12	16	22	22	12	16	30	30



Suitable screw shape and footprint



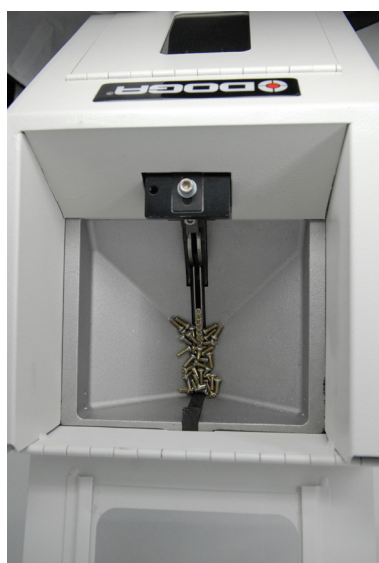
Automatic screw feeder

DM30 - DM40 Reciprocating blade feeder

- Suitable for screw from M2 to M6
- Faster operating speed up to 20-30 screws per minute
- Smooth feeding mechanism - suitable with coated screws
 - Auto stop when full loaded track
 - Simple compact design
- Highly reliable and easy maintenance
 - Low noise and hood protected



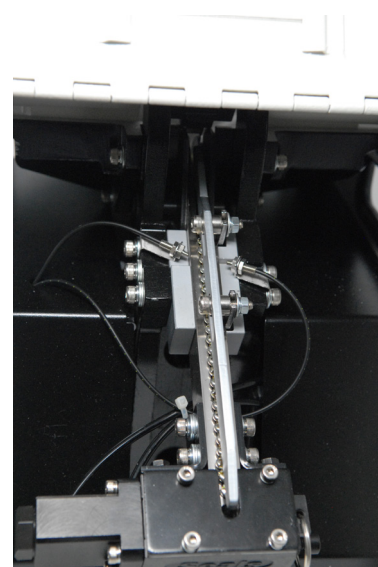
Compact design



Reciprocating blade hopper



Hood protected



Feeding by gravity



Automatic screw feeder

DM501 - DM502 Vibratory bowl feeder

- Suitable for small screw size from M1.5 to M8
 - Screw length up to 30 mm
- Run independantly two screwdrivers with the DM502
- Feed until 50 screws per minute or 90 with the DM502
 - Simple and robust design, easy maintenance



DM502 feeder supplies independantly two screwdrivers



DMS Handheld Telescopic spring system

- Easy to use
- No adjustment required
 - Robust design
 - Very fast air blowing
- Ideal for self tapping screws

- Manual action on the telescope moves upward the nozzle to release the screw.



- Compatible with pneumatic or electric screwdrivers, push to start system.
- The screw remains protruding after blowing thanks to anti-return device in the nozzle.

	DMS Technical characteristics			
	DMS-30	DMS-40	DMBS-501	DMBS-502
Screw body \varnothing	from 2,3 to 6 mm	from 2 to 6 mm	from 1,5 to 8 mm	
Screw length	up to 22 mm		up to 30 mm	
Screw head \varnothing vs overall length	min ratio 1,5			
Torque	0,5 to 9 Nm			
Feeding rate perdriver	up to 20 à 30 screw/min		up to 50 screw/min	up to 45 screw/min
Screw Feeder type	Reciprocating blade	Reciprocating blade	Vibratory bowl	Vibratory bowl
Hopper capacity	0,7 L	0,7 L	-	-
Numbers of screwdriver	1	1	1	2
Screwdriver type	Pneumatic or electric			
Starting system	Push to start			
Balancing solution	Balancer or Arm			



DMA Handheld Auto advance system

- No contact, does not damaged the assembly parts (fragiles parts).

- Lever or Trigger action will start the screwdriver and activate the cylinder to push down the bit and guide the screw through the nozzle.



- Suitable with any screwdriver supplying "motor run" signal.
- The screw remain protruding after blowing thanks to the anti-return device inside nozzle.

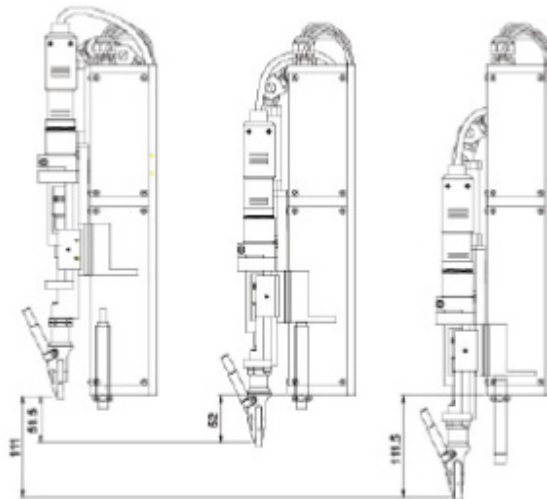
	DMA Technical characteristics			
	DMA-30	DMA-40	DMBA-501	DMBA-502
Screw body \varnothing	from 2,3 to 6 mm	from 2 to 6 mm	from 1,5 to 8 mm	
Screw length	up to 22 mm		up to 30 mm	
Screw head \varnothing vs overall length	min ratio 1,5			
Torque	0,5 to 4 Nm			
Feeding rate perdriver	up to 20 à 30 screw/min		up to 40 screw/min	up to 40 screw/min
Screw Feeder type	Reciprocating blade	Reciprocating blade	Vibratory bowl	Vibratory bowl
Hopper capacity	0,7 L	0,7 L	-	-
Numbers of screwdriver	1	1	1	2
Screwdriver type	Electric with "motor run" digital output			
Starting system	Lever or trigger start			
Balancing solution	Balancer or Arm			

Special devices

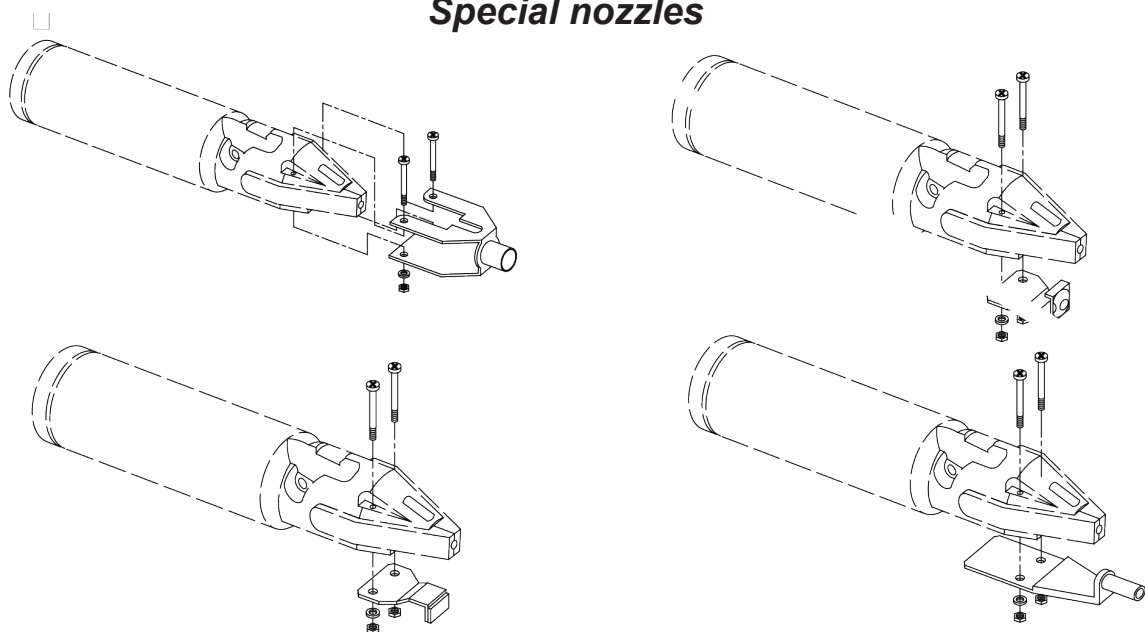
Slide/Guided cylinder for automatic screwfeeding system



- Stroke from 51 up to 111 mm



Special nozzles

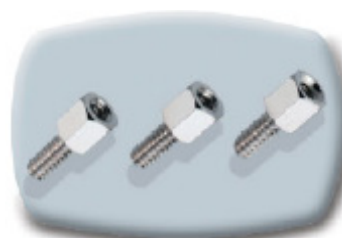




Applications



Pillar screw for serial connector (on demand)



Applications

Bike or bicycle wheel spokes (on demand)





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