

Screwdriver Catalogue

MAT

MARVEL ABRASIVE TOOLS



MAT MARVEL

MAT CAAPTAIN

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Features:

- **Oil-Free** Air Motor
- **1,000,000** Cycles Life Time

MATSM-AS-0412L

Auto Shut-off Screwdriver (400 RPM)
- Lever Start

MATSM-AS-1008L

Auto Shut-off Screwdriver (1,000 RPM)
- Lever Start

MATSM-AS-2004L

Auto Shut-off Screwdriver (2,000 RPM)
- Lever Start

MATSM-AS-0810L

Auto Shut-off Screwdriver (850 RPM)
- Lever Start

MATSM-AS-1405L

Auto Shut-off Screwdriver (1,350 RPM)
- Lever Start



MATSM-AS-0412P

Auto Shut-off Screwdriver (400 RPM)
- Push Start

MATSM-AS-1008P

Auto Shut-off Screwdriver (1,000 RPM)
- Push Start

MATSM-AS-2004P

Auto Shut-off Screwdriver (2,000 RPM)
- Push Start

MATSM-AS-0810P

Auto Shut-off Screwdriver (850 RPM)
- Push Start

MATSM-AS-1405P

Auto Shut-off Screwdriver (1,350 RPM)
- Push Start



Specifications :

Model No.	Free Speed (RPM)	Air Inlet (NPT)	Torque Range In-lbs (Nm)	Air Consumption CFM (L/Min)	Length Inch (mm)	Weight Lbs (Kg)	Noise Level dB(A)
MATSM-AS-0412L	400	1/4"	31~106.2 (3.5~12)	1.8 (51)	10-3/4 (271)	2.05 (0.93)	75
MATSM-AS-0810L	850	1/4"	31~84.1 (3.5~9.5)	1.8 (51)	10-3/4 (271)	2.05 (0.93)	75
MATSM-AS-1008L	1,000	1/4"	31~70.8 (3.5~8)	1.8 (51)	10-3/4 (271)	2.05 (0.93)	75
MATSM-AS-1405L	1,350	1/4"	3.5~44.3 (0.4~5)	1.8 (51)	9-7/8 (251)	1.87 (0.85)	75
MATSM-AS-2004L	2,000	1/4"	3.5~35.4 (0.4~4)	1.8 (51)	9-7/8 (251)	1.87 (0.85)	75
MATSM-AS-0412P	400	1/4"	31~106.2 (3.5~12)	1.8 (51)	10-3/4 (272)	2 (0.9)	75
MATSM-AS-0810P	850	1/4"	31~84.1 (3.5~9.5)	1.8 (51)	10-3/4 (272)	2 (0.9)	75
MATSM-AS-1008P	1,000	1/4"	31~70.8 (3.5~8)	1.8 (51)	10-3/4 (272)	2 (0.9)	75
MATSM-AS-1405P	1,350	1/4"	3.5~44.3 (0.4~5)	1.8 (51)	9-7/8 (252)	1.8 (0.8)	75
MATSM-AS-2004P	2,000	1/4"	3.5~35.4 (0.4~4)	1.8 (51)	9-7/8 (252)	1.8 (0.8)	75

* Recommended Air Pressure at 90 PSI (6.2 Bar)

Buy Online: www.matshoppy.com

Features:

- **Pistol Version with Air On Top**
- **with 2 Extra Springs for Different Torque**
- Reversible
- Rear Exhaust
- Built-in Cushion Grip
- **Low Noise 83 dB(A)**



► Operation of Auto Shut-Off Screwdriver



► Operation of Auto Shut-Off Screwdriver



Air On Top



Adjustable Torque

MATSM-AS004

Auto Shut-off Screwdriver (600 RPM)

MATSM-AS204

Auto Shut-off Screwdriver (1,800 RPM)

MATSM-AS104

Auto Shut-off Screwdriver (1,000 RPM)

MATSM-AS304

Auto Shut-off Screwdriver (2,300 RPM)



Torque Springs			
Spring Color	Torque Range		tensionCode Number
	In-lbs	Nm	
Yellow	10~38	1.1~4.3	AS000149-11
Black	5~19	0.6~2.1	AS000149-12
Green	2~8	0.23~0.9	AS000149-13

Accessories (Optional) :

Adjusting springs of three different tensions are available for adjustment of torque



AS000149-11SUB

Cam Assembly

Torque Range : 10~38 In-lbs



AS000149-12SUB

Cam Assembly

Torque Range : 5~19 In-lbs



AS000149-13SUB

Cam Assembly

Torque Range : 2~8 In-lbs



AS000149-11

Strong Spring(ø 3.5 mm)

(Good for MSM-AS004, MSM-AS104)



AS000149-12

Medium Spring(ø 2.8 mm)

(Good for MSM-AS204)



AS000149-13

Light Spring(ø 2.0 mm)

Specifications:

Model No.	Free Speed (RPM)	Torque Range In-lbs (Nm)	Air Inlet (NPT)	Hose Size ID Inch (mm)	Air Consumption CFM (L/Min)	Length Inch (mm)	Weight Lbs (Kg)	Noise Level dB(A)
MATSM-AS004	600	4~45 (0.5~5.1)	1/4"	3/8 (10)	4 (113)	8-7/8 (225)	2.0 (0.9)	83
MATSM-AS104	1,000	3~40 (0.4~4.5)	1/4"	3/8 (10)	4 (113)	8-3/4 (216)	2.0 (0.9)	83
MATSM-AS204	1,800	3~26 (0.3~2.9)	1/4"	3/8 (10)	4 (113)	8-11/16 (220)	2.0 (0.9)	83
MATSM-AS304	2,300	3~26 (0.3~2.9)	1/4"	3/8 (10)	4 (113)	8-7/16 (215)	2.0 (0.9)	83

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Features:

- With 2 Extra Springs for Different Torque
- Built-in Cushion Grip
- Reversible
- Rear Exhaust
- Low Noise **83 dB(A)**

Accessories (Optional):


AS000149-11SUB

Cam Assembly

Torque Range : 10~38 In-lbs


AS000149-12SUB

Cam Assembly

Torque Range : 5~19 In-lbs


AS000149-13SUB

Cam Assembly

Torque Range : 2~8 In-lbs


AS000149-11

Strong Spring(ø 3.5 mm)

(Good for MSM-AS004, MSM-AS104)


AS000149-12

Medium Spring(ø 2.8 mm)

(Good for MSM-AS204)


AS000149-13

Light Spring(ø 2.0 mm)

(Good for MSM-AS204)

MATSM-AS002 / AS102 / AS202

Auto Shut-off Screwdriver - (600 / 1,000 / 1,800 RPM)



MATSM-AS002A / AS102A / AS202A

Auto Shut-off Screwdriver - (600 / 1,000 / 1,800 RPM)



MATSM-AS005 / AS105 / AS205 / AS305

Auto Shut-off Screwdriver - (600 / 1,100 / 1,800 RPM / 2,300 RPM)



Specifications:

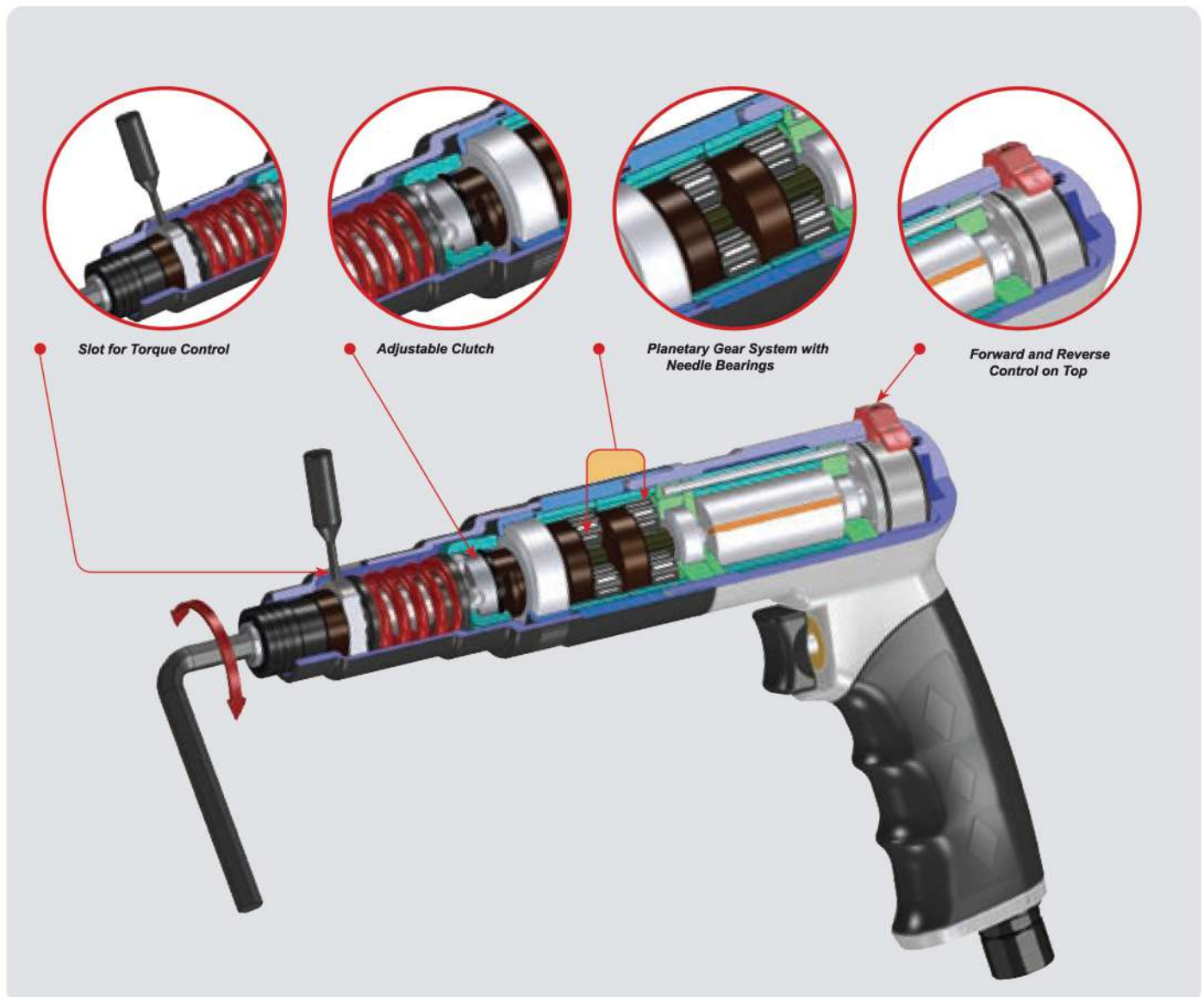
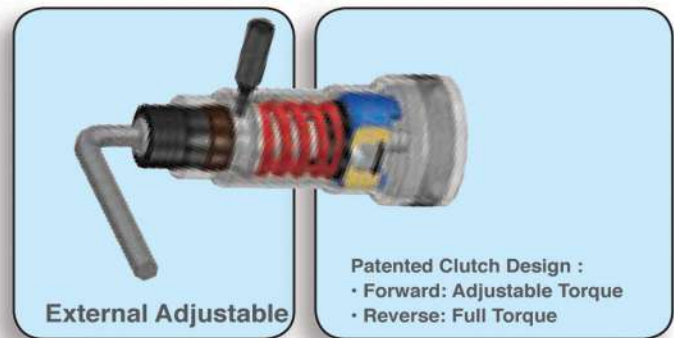
Model No.	Free Speed (RPM)	Torque Range In-lbs (Nm)	Air Inlet (NPT)	Hose Size ID Inch (mm)	Air Consumption CFM (L/Min)	Length Inch (mm)	Weight Lbs (Kg)	Noise Level dB(A)
MATSM-AS002 / AS002A	600	4~45 (0.5~5.1)	1/4"	3/8 (10)	4 (113)	8-3/4 (222)	1.98 (0.9)	83
MATSM-AS102 / AS102A	1,000	3~40 (0.4~4.5)	1/4"	3/8 (10)	4 (113)	8-3/8 (212)	1.98 (0.9)	83
MATSM-AS202 / AS202A	1,800	3~26 (0.4~2.9)	1/4"	3/8 (10)	4 (113)	8-9/16 (218)	1.98 (0.9)	83
MATSM-AS005	650	4~45 (0.5~5.1)	1/4"	3/8 (10)	4 (113)	9-5/16 (237)	1.54 (0.7)	83
MATSM-AS105	1,100	3~40 (0.4~4.5)	1/4"	3/8 (10)	4 (113)	8-15/16 (227)	1.54 (0.7)	83
MATSM-AS205	1,800	3~26 (0.4~2.9)	1/4"	3/8 (10)	4 (113)	9-1/8 (232)	1.54 (0.7)	83
MATSM-AS305	2,300	3~26 (0.4~2.9)	1/4"	3/8 (10)	4 (113)	8-15/16 (227)	1.54 (0.7)	83

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Features:

- **External Adjustable**
- **Forward: Adjustable Torque**
Reverse: Full Torque
- Planetary Gear System with
- Needle Bearings (Option)
- Variable Speed Trigger
- Muffler in Handle



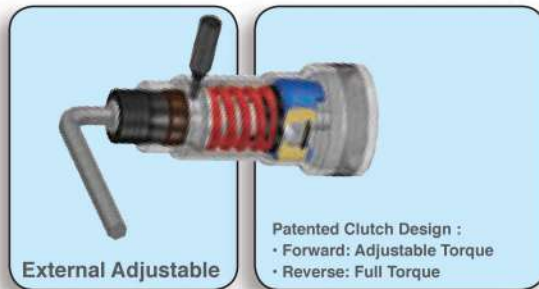
* Recommended Air Pressure at 90 PSI (6.2 Bar)

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1/4" Industrial Air Screwdrivers

MAT

MARVEL ABRASIVE TOOLS



#802F37-11

Red Spring (ø 3.2 mm)
 Torque Range : 20~50 In-Lbs



#802F37-11

Blue Spring (ø 3.5 mm)
 Torque Range : 40~85 In-Lbs

► Adjusting springs of 2 different tensions are available for external adjustment of torque.

MATSM- 82 - 7251F

1/4" Air Screwdriver (1,800 RPM)
 - External Adjustable Clutch



► External Adjustable



MATSM- 83 - 7251F

1/4" Air Screwdriver (800 RPM)
 - External Adjustable Clutch



► External Adjustable



MATSM- 80 - 7251

1/4" Air Screwdriver (1,800 RPM)
 - External Adjustable Clutch



► External Adjustable



MATSM- 85 - 7251

1/4" Air Screwdriver (800 RPM)
 - External Adjustable Clutch



► External Adjustable



MATSM- 81 - 7251

1/4" Air Screwdriver (1,800 RPM)
 - External Adjustable Clutch



► External Adjustable



MATSM- 87 - 7251

1/4" Air Screwdriver (800 RPM)
 - External Adjustable Clutch



► External Adjustable



Specifications:

Model No.	Free Speed (RPM)	Hex Drive Capacity (Inch)	Torque (In-Lbs)	Air Inlet (NPT)	Hose Size ID Inch (mm)	Air Consumption CFM (L/Min)	Length Inch (mm)	Weight Lbs (Kg)	Noise Level dB(A)
MATSM-82-7251F	1,800	1/4	20~50	1/4"	3/8 (10)	4 (113)	7-11/16 (196)	2.8 (1.3)	83
MATSM-83-7251F	800	1/4	40~85	1/4"	3/8 (10)	4 (113)	8-7/16 (214)	3 (1.4)	83
MATSM-80-7251	1,800	1/4	20~62	1/4"	3/8 (10)	4 (113)	8-13/16 (224)	3-1/3 (1.5)	83
MATSM-85-7251	800	1/4	20~100	1/4"	3/8 (10)	4 (113)	9-1/2 (242)	3-1/2 (1.6)	83
MATSM-81-7251	1,800	1/4	26~71	1/4"	3/8 (10)	4 (113)	7-11/16 (196)	3-1/5 (1.45)	83
MATSM-87-7251	800	1/4	44~100	1/4"	3/8 (10)	4 (113)	8-7/16 (214)	3-1/2 (1.6)	83

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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www.marvelabrasivetools.com

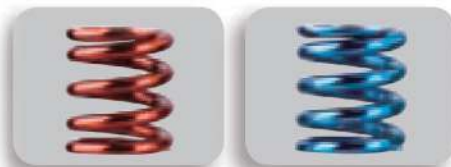
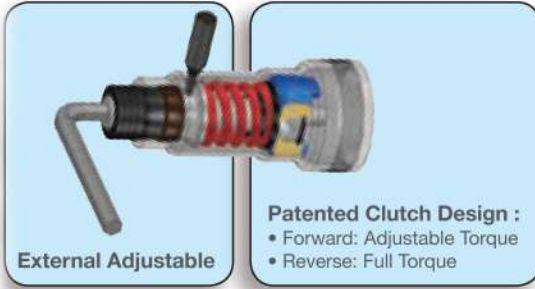
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Email: info@marvelabrasivetools.com

1/4" Industrial Air Screwdrivers

Features:

- **External Adjustable Clutch**
Forward: Adjustable Torque
- **Reverse: Full Torque**
- Planetary Gear System with
- Needle Bearings (Option)
- **Low Noise 85 dB(A)**
(MSM-82-8423F & MSM-8423F)



#802F37-11

Red Spring (ø 3.2 mm)
Torque Range : 20~50 In-Lbs

#802F37-11

Blue Spring (ø 3.5 mm)
Torque Range : 40~85 In-Lbs

- Adjusting springs of 2 different tensions are available for external adjustment of torque.

MATSM- 842F

1/4" Straight Air Screwdriver (1,800 RPM)
- External Adjustable Clutch

MATSM- 843F

1/4" Straight Air Screwdriver (800 RPM)
- External Adjustable Clutch

MATSM- 82-8423F

1/4" Straight Air Screwdriver (1,800 RPM)
- External Adjustable Clutch

MATSM- 84-8423F

1/4" Straight Air Screwdriver (800 RPM)
- External Adjustable Clutch

Specifications:

Model No.	Free Speed (RPM)	Hex Drive Capacity (Inch)	Torque (In-Lbs)	Air Inlet (NPT)	Hose Size ID Inch (mm)	Air Consumption CFM (L/Min)	Length Inch (mm)	Weight Lbs (Kg)	Noise Level dB(A)
MATSM-842F	1,800	1/4	20~50	1/4"	3/8 (10)	4 (113)	10 (254)	2.4 (1.1)	90
MATSM-843F	800	1/4	40~85	1/4"	3/8 (10)	4 (113)	11 (279)	2.6 (1.2)	90
MATSM-82-8423F	1,800	1/4	20~50	1/4"	3/8 (10)	4 (113)	10-7/16 (265)	2.6 (1.2)	85
MATSM-83-8423F	800	1/4	40~85	1/4"	3/8 (10)	4 (113)	11-1/8 (283)	3 (1.4)	85

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Two Hammer Type

MATOP - 301L90

Rear Exhaust



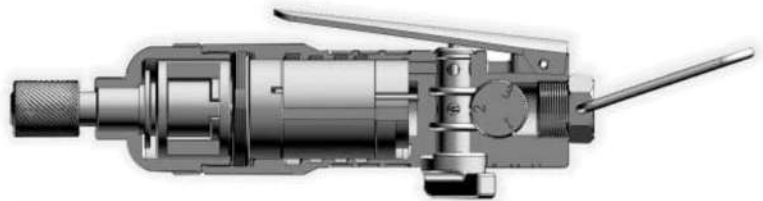
MATOP - 310LHA

Side Exhaust



MATOP - 311LHA

Rear Exhaust



Include :

- High Attack Frequency.
- Low Counteraction.

Application :

- Especially in heavy - Productive Industries (Rattan, Carpentry, Electric, Motor, Aluminium and Hardware).

Specifications:

Model No.	Screw Size Capacity	Working Torque		MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 301L90	4	15	11	40	30	9000	141	5	240	9.45	1/4	1.22	2.69	83
MATOP - 310LHA	5 ~ 6	40	29	130	96	7000	198	7	240	9.45	1/4	1.6	3.53	92
MATOP - 311LHA	5 ~ 6	40	29	90	66	8500	240	8.5	265	10.43	1/4	1.56	3.44	90

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Two Hammer Type

MATOP - 320

Push to start type
Rear exhaust



MATOP - 305

Side Exhaust



MATOP - 808A1 & 808

Rear exhaust with
muffler



MATOP - 301A1 & 301

Side Exhaust



MATOP - 301AH & 301H

Rear Exhaust



Specifications:

Model No.	Screw Size Capacity	Working Torque		MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 320	4	15	11	30	22	9000	127	4.5	195	7.68	1/4	0.67	1.48	80
MATOP - 305	4	20	14	30	22	12000	141	5	170	6.69	1/4	0.57	1.26	89
MATOP - 808	4 ~ 5	20	15	40	26	10000	127	4.5	190	7.48	1/4	0.76	1.68	71
MATOP - 808A1	4 ~ 5	20	15	35	26	10000	127	4.5	200	7.87	1/4	0.76	1.68	71
MATOP - 301	4 ~ 5	25	18	35	26	12000	127	4.5	178	7	1/4	0.7	1.54	89
MATOP - 301A1	4 ~ 5	25	18	35	26	12000	127	4.5	185	7.28	1/4	0.7	1.54	89
MATOP - 301H	4 ~ 5	25	18	35	30	9000	141	5	190	7.48	1/4	0.79	1.74	85
MATOP - 301AH	4 ~ 5	25	18	40	30	9000	141	5	200	7.87	1/4	0.79	1.74	85

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Two Hammer Type

MATOP - 306

Rear exhaust



MATOP - 809A1

Rear exhaust
with muffler



MATOP - 309Q & 309

Side exhaust



MATOP - 310Q & 310F

2 Step Pushstart trigger
Side Exhaust



MATOP - 100A1

2 Step Pushstart trigger



Specifications:

Model No.	Screw Size Capacity	Working Torque		MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 306	6	45	33	200	148	8000	212	7.5	225	8.85	1/4	1.06	2.34	90
MATOP - 809A1	6	45	33	130	96	8000	184	6.5	230	9.06	1/4	1.2	2.65	79
MATOP - 309	6	45	33	200	148	8300	212	7.5	205	8.07	1/4	1	2.2	94
MATOP - 310F	6 ~ 8	60	44	240	177	8000	254	9	200	7.87	1/4	1.06	2.38	97
MATOP - 100A1	8	75	55	280	207	5500	240	8.5	265	10.43	1/4	1.7	3.75	85

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Two Hammer Type

MATOP - 403LN

Handle exhaust



MATOP - 301L

Handle exhaust



MATOP - 301LA1

Handle exhaust



MATOP - 601A

Handle exhaust



MATOP - 306SL

Side exhaust



MATOP - 309L

Side exhaust



MATOP - 406LN

Handle exhaust



MATOP - 310LQ

Side exhaust



MATOP - 100LA1

Side exhaust



Specifications:

Model No.	Screw Size Capacity	Working Torque		MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 403LN	4	20	15	30	22	11500	170	6	155	6.1	1/4	0.9	1.98	87
MATOP - 301L	4 ~ 5	25	18	35	26	13000	198	7	143	5.63	1/4	0.9	1.98	88
MATOP - 301LA1	4 ~ 5	25	18	35	26	13000	198	7	150	5.9	1/4	0.9	1.98	88
MATOP - 601A	4 ~ 5	25	18	35	26	13000	170	6	155	6.1	1/4	0.86	1.9	82
MATOP - 306SL	6	50	37	200	148	7500	226	8	190	7.48	1/4	1.2	2.65	94
MATOP - 309L	6	50	37	200	148	7700	198	7	195	7.68	1/4	1.3	2.87	89
MATOP - 406LN	6	50	37	150	111	8000	212	7.5	165	6.5	1/4	1.2	2.65	87
MATOP - 310LF	6 ~ 8	60	44	240	177	7700	240	8.5	195	7.68	1/4	1.38	3.04	93
MATOP - 100LA1	8	95	70	300	221	4800	240	8.5	185	7	1/4	2.24	9.94	92

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Twin Ring Type

MAT

MARVEL ABRASIVE TOOLS

MATOP - 308DA1

Rear exhaust



MATOP - 310DA

Side exhaust



MATOP - 310LDA

Side exhaust



MATOP - 409WA1

Handle exhaust



MATOP - 601DA

Side exhaust



MATOP - 605DA

Handle exhaust



MATOP - 906DAF

Handle exhaust



Include :

- Large Torque
- Long Lasting.

Application :

- Apply to heavy productive assembly line of car and motor.

Specifications:

Model No.	Screw Size Capacity		Working Torque		MAX. Torque		Free Speed		Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm		Nm	ft-lb	Nm	ft-lb	rpm		l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 308DA1	8		60	44	230	170	8000		226	8	220	8.66	1/4	1.32	2.91	85
MATOP - 310DA	8		68	50	300	221	8000		198	7	200	7.87	1/4	1.2	2.65	96
MATOP - 310LDA	8		68	50	300	221	8000		198	7	185	7.28	1/4	1.52	3.35	96
MATOP - 409WA1	8		55	41	270	200	8500		254	9	155	6.1	1/4	1.3	2.87	88
MATOP - 601DA	8		60	44	270	200	8500		240	8.5	155	6.1	1/4	1.54	3.38	94
MATOP - 605DA	8		60	44	270	200	9500		240	8.5	155	6.1	1/4	1.42	3.13	82
MATOP - 906DAF	8		95	70	400	295	10000		311	11	144	5.66	1/4	1.6	3.52	92

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Pin Clutch Type

MAT

MARVEL ABRASIVE TOOLS

MATOP - 308W

Rear Exhaust



Include :

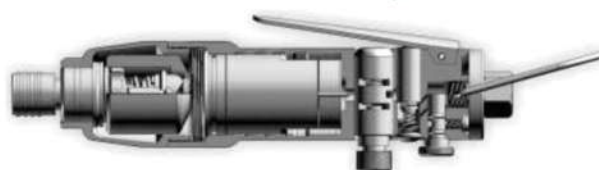
- Every motor revolution causes two hammer pin impacts at the same time to keep balance, lower vibration and larger output power.

Application :

- Apply to heavy productive assembly lines such as motor - vehicles, bicycles, and motor.

MATOP - 406LW

Handle Exhaust



Specifications:

Model No.	Screw Size Capacity		Working Torque		MAX. Torque		Free Speed		Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm		Nm	ft-lb	Nm	ft-lb	rpm		l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 308W	8		75	55	250	184	7000		226	8	240	9.45	1/4	1.3	2.87	90
MATOP - 406LW	8		75	55	230	170	8000		240	8.5	180	7.09	1/4	1.2	2.65	86

Air Screwdriver Pin Less Type

MAT

MARVEL ABRASIVE TOOLS

MATOP - 411LN

Handle Exhaust



Include :

- Large torque and low counteraction

Application :

- Apply to wood work

Specifications:

Model No.	Screw Size Capacity		Working Torque		MAX. Torque		Free Speed		Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm		Nm	ft-lb	Nm	ft-lb	rpm		l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 411LN	8		60	44	230	170	8500		226	8	170	6.7	1/4	1.42	3.13	85

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Ball Bearing Hitter Type

MAT

MARVEL ABRASIVE TOOLS

MATOP - 602A

Low rotational speed
Side exhaust



MATOP - 601L

Low rotational speed
Side exhaust



MATOP - 407LN

Handle Exhaust



Include :

- High Speed
- Low Vibration

Application :

- Especially in heavy - Productive Industries Rattan, Motor.

Specifications:

Model No.	Screw Size Capacity	Working Torque		MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 602A	4 ~ 5	20	15	50	37	2500	141	5	225	8.6	1/4	0.99	2.18	89
MATOP - 601L	4 ~ 5	20	15	50	37	2700	184	6.5	185	7.28	1/4	1.13	2.49	82
MATOP - 407LN	5 ~ 6	30	22	50	37	2400	198	7	190	7.48	1/4	1.17	2.58	88

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Clutch Type

MATOP - 5C1108

Rear exhaust



MATOP - 5C1218

Rear exhaust



MATOP - 5C1419

Rear exhaust



MATOP - 5C1508 & 5C1515

Rear exhaust



MATOP - 5C5124

Handle exhaust



MATOP - 5C5408 & 5C5415

Handle exhaust

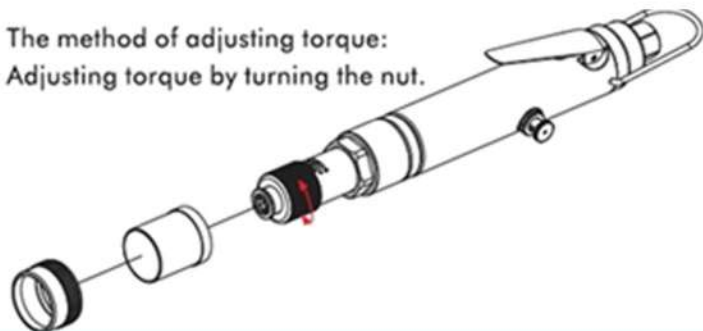


MATOP - 5CLA08 & 5CLA15

Rear exhaust



The method of adjusting torque:
Adjusting torque by turning the nut.



Specifications:

Model No.	Screw Size Capacity	MAX. Torque	Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 5CLA08	4 ~ 5	5	800	170	6	334	13.15	1/4	1.25	2.76	78
MATOP - 5CLA15	4 ~ 5	5	1400	170	6	334	13.15	1/4	1.25	2.76	78
MATOP - 5C1108	4	3	800	127	4.5	226	8.9	1/4	0.76	1.68	80
MATOP - 5C1218	4	4	1800	127	4.5	228	8.98	1/4	0.76	1.68	80
MATOP - 5C1419	5	5	1900	127	4.5	229	9.01	1/4	1.01	2.23	85
MATOP - 5C1508	5	5	800	170	6	279	10.98	1/4	0.97	2.14	75
MATOP - 5C1515	5	5	1450	170	6	279	10.98	1/4	0.97	2.14	75
MATOP - 5C5124	5	5	2400	212	7.5	206	8.11	1/4	1.17	2.58	85
MATOP - 5C5408	5	5	750	212	7.5	190	7.48	1/4	1	2.2	80
MATOP - 5C5415	5	5	1450	212	7.5	190	7.48	1/4	1	2.2	80

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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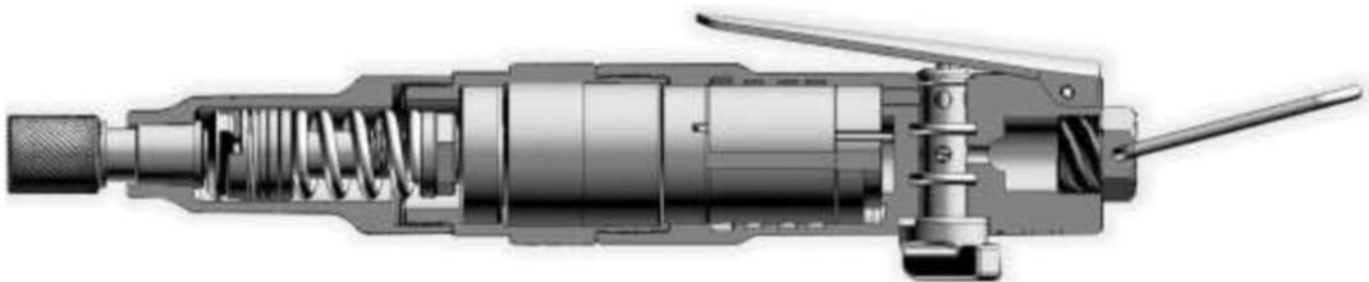
MATOP - 302L90

Side Exhaust

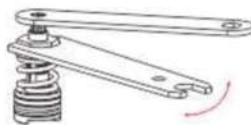
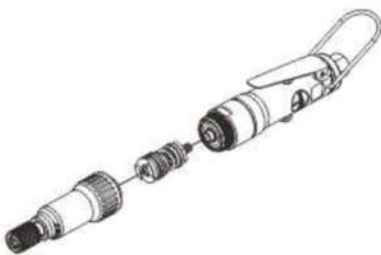


MATOP - 304L90

Rear Exhaust



The method of adjusting torque:
Adjusting torque by using added wrench



Include :

- While reaching the fixed torque, clutch will run automatically and protect the work piece from being damaged.
- With torque regulator.

Application :

- Apply to release or fasten the high precise screw, especially for outside box setting in industries such as toy, electric, carpentry, and plastic.

Specifications:

Model No.	Screw Size Capacity	MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 302L90	5	4	3	1650	127	4.5	235	9.25	1/4	0.76	1.68	86
MATOP - 304L90	4	3	2.2	1250	127	4.5	245	9.65	1/4	0.74	1.63	80

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Clutch Type

MATOP - 304HP

Outside adjustable torque type
Rear exhaust



MATOP - 103

Side exhaust



MATOP - 304A1 & 304

Rear exhaust



MATOP - 304B1 & 304B

Push to start type (Semi - automatic)
Rear exhaust



MATOP - 314A1 & 314

Rear exhaust with muffler



Specifications:

Model No.	Screw Size Capacity	MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 304HP	4	2	1.5	1600	127	4.5	235	9.25	1/4	0.66	1.46	79
MATOP - 103	4	3	2.2	2200	170	6	235	9.25	1/4	0.8	1.76	91
MATOP - 304A1	4	3	2.2	1700	141	5	235	9.25	1/4	0.61	1.34	80
MATOP - 304	4	3	2.2	1700	141	5	235	9.25	1/4	0.61	1.34	80
MATOP - 304B1	4	2	1.5	1000	141	5	230	9.1	1/4	0.58	1.28	77
MATOP - 304B	4	2	1.5	1000	141	5	235	9.25	1/4	0.6	1.32	77
MATOP - 314A1	4	3	2.2	1700	127	4.5	240	9.45	1/4	0.7	1.54	70
MATOP - 314	4	3	2.2	1700	127	4.5	240	9.45	1/4	0.7	1.54	70

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Clutch Type

MATOP - 302

Side exhaust



MATOP - 306G

Rear exhaust



MATOP - 306GA

Rear exhaust with muffler



MATOP - 103G

Side exhaust



MATOP - 301LC

Handle exhaust



MATOP - 404LN

Handle exhaust



MATOP - 405LN

Handle exhaust



MATOP - 301LCG

Handle exhaust



Specifications:

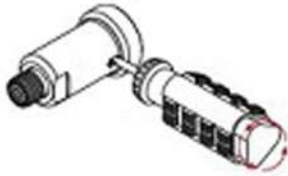
Model No.	Screw Size Capacity	MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 302	5	4	3	1900	141	5	220	8.66	1/4	0.63	1.39	89
MATOP - 306G	5	7	5.1	500	212	7.5	290	11.41	1/4	1.3	2.87	89
MATOP - 306GA	5	7	5.1	500	198	7	300	11.81	1/4	1.4	3.09	77
MATOP - 103G	6	8	5.9	600	170	6	265	10.43	1/4	0.95	2.1	90
MATOP - 301LC	4	3	2.2	2500	212	7.5	200	7.87	1/4	1.04	2.29	88
MATOP - 404LN	4	3	2.2	2200	184	6.5	200	7.87	1/4	1	2.2	90
MATOP - 405LN	5	7	5.1	550	184	6.5	225	8.86	1/4	1.2	2.65	87
MATOP - 301LCG	6	8	6	600	212	7.5	230	9.06	1/4	1.15	2.54	88

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Clutch Type

The method of adjusting torque :
Adjusting torque by using PH1
screwdriver



MATOP - 2C8425

Handle Exhaust



Specifications:

Model No.	Screw Size Capacity	MAX. Torque		Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 2C8425	6	17	12.5	2500	283	10	212	8.34	1/4	1.08	2.38	88

Air Screwdriver Direct Driver Type

For Wood Screws

MATOP - 3G8425

Handle Exhaust



MATOP - 3G8410

Handle Exhaust



Specifications:

Model No.	Screw Size Capacity	Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 3G8425	4	2500	283	10	155	6.1	1/4	0.9	1.98	88
MATOP - 3G8410	5	1000	283	10	172	6.77	1/4	1.04	2.29	88

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Torque Control Type

MATOP - 106A

Push start
Air shut off
Rear exhaust with muffler



Include :

- With push start device, all parts stop working automatically while reaching the torque.
- Rear exhaust, low noise, low air consumption, and energy saving.

Application :

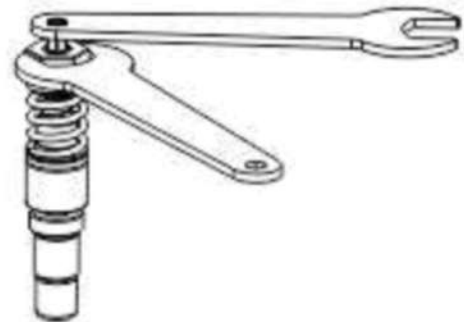
- Apply to release or fasten heavy - precise screws.
- Apply especially to industry assembly lines such as computers, instruments, and electric.

MATOP - 106B

Push start
Air shut off
Rear exhaust with muffler



The method of adjusting torque :
Adjusting torque by using added wrench.



Specifications:

Model No.	Screw Size Capacity	MAX. Torque	Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 106A	2	0.2 ~ 0.35	2500	71	2.5	180	7.09	1/4	0.35	0.77	69
MATOP - 106B	2.5	0.35 ~ 1.0	800	71	2.5	190	7.08	1/4	0.37	0.82	69

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Torque Control Type

MAT

MARVEL ABRASIVE TOOLS

MATOP - 2S2110

Push start Air shut off
Rear exhaust



MATOP - 2S3208

Push start Air shut off
Rear exhaust



MATOP - 2S4306 & 2S4309

Push start Air shut off
Rear exhaust

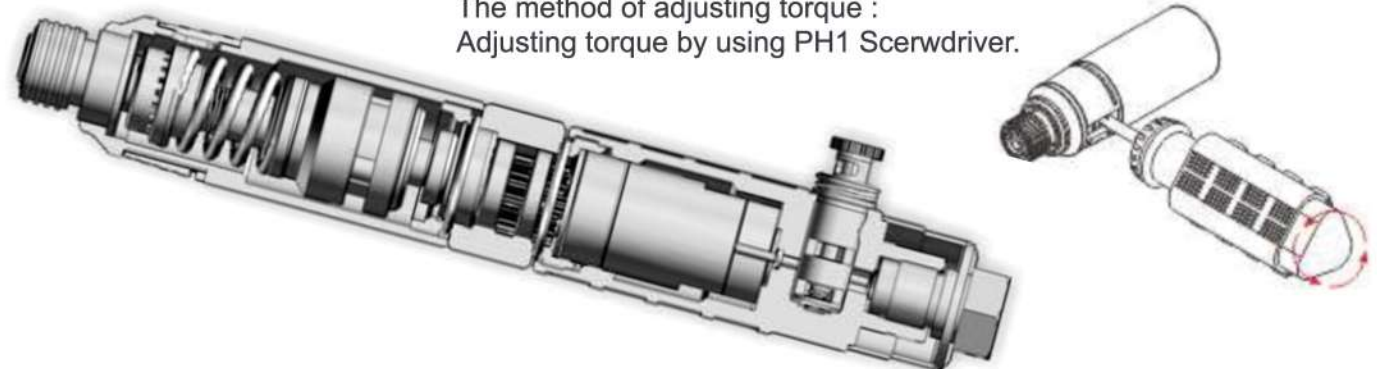


MATOP - 2S4306L & 2S4309L

Push start Air shut off
Rear exhaust



The method of adjusting torque :
Adjusting torque by using PH1 Screwdriver.



Specifications:

Model No.	Screw Size Capacity	MAX. Torque	Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 2S2110	3.5	1.2 ~ 2.2	1000	127	4.5	229	9.01	1/4	0.71	1.56	75
MATOP - 2S3208	5	1.6 ~ 4.3	800	170	6	238	9.37	1/4	0.76	1.67	75
MATOP - 2S3215	4	1.5 ~ 3.2	1500	170	6	238	9.37	1/4	0.76	1.67	75
MATOP - 2S4306	5 ~ 6	3.0 ~ 7.0	650	141	5	250	9.84	1/4	0.93	2.05	80
MATOP - 2S4309	4 ~ 5	2.0 ~ 4.8	950	141	5	250	9.84	1/4	0.93	2.05	80
MATOP - 2S4306L	5 ~ 6	3.0 ~ 7.0	650	141	5	250	9.84	1/4	1.21	2.66	80
MATOP - 2S4309L	4 ~ 5	2.0 ~ 4.8	950	141	5	250	9.84	1/4	1.21	2.66	80

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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Air Screwdriver Torque Control Type

MATOP - 5S1508A , 5S1508B MATOP - 5S1515B, 5S1515C

Air Shut off Rear exhaust



MATOP - 5SLA08 & 5SLA15

Air shut off Rear exhaust

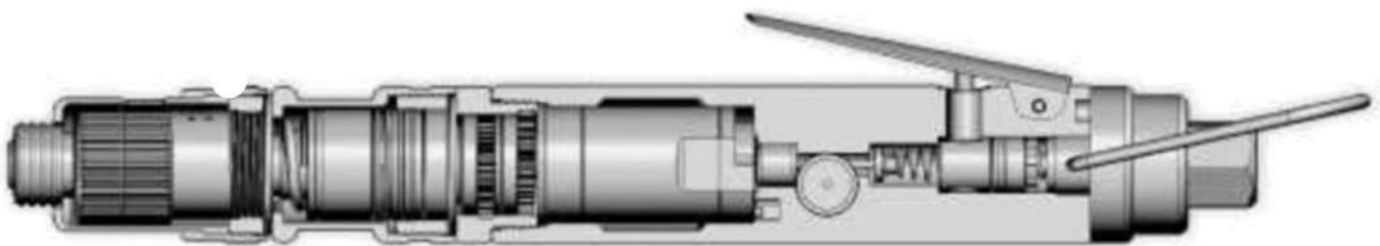
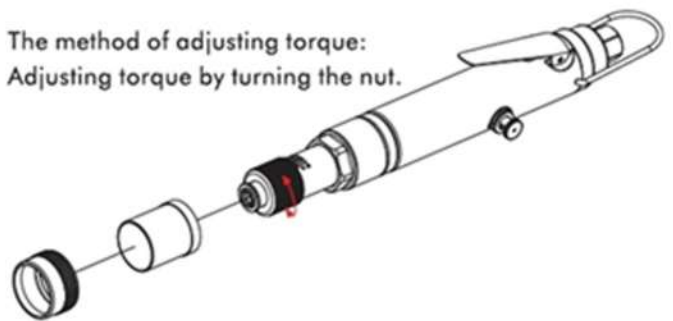


MATOP - 5S5108A, 5S5108B MATOP - 5S5115B, 5S5115C

Air shut off Handle exhaust



The method of adjusting torque:
Adjusting torque by turning the nut.



Specifications:

Model No.	Screw Size Capacity	MAX. Torque	Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Sound Level
	mm	Nm	rpm	l/min	cfm	mm	inch	P.T	Kg	lb	dB(A)
MATOP - 5SLA08	5	2.2 ~ 4.0	800	170	6	340	13.39	1/4	1.22	2.69	78
MATOP - 5SLA15	4	1.2 ~ 2.2	1400	170	6	340	13.39	1/4	1.22	2.69	78
MATOP - 5S1508A	5	2.8 ~ 4.0	800	198	7	285	11.22	1/4	0.95	2.09	75
MATOP - 5S1508B	4	1.9 ~ 2.8	800	198	7	285	11.22	1/4	0.95	2.09	75
MATOP - 5S1515B	4	1.4 ~ 2.6	1400	198	7	285	11.22	1/4	0.95	2.09	75
MATOP - 5S1515C	3.5	0.9 ~ 1.6	1400	198	7	285	11.22	1/4	0.95	2.09	75
MATOP - 5S5108A	5	2.8 ~ 4.0	800	198	7	195	7.68	1/4	0.98	2.09	80
MATOP - 5S5108B	4	1.9 ~ 2.8	800	198	7	195	7.68	1/4	0.98	2.09	80
MATOP - 5S5115B	4	1.4 ~ 2.6	1400	198	7	195	7.68	1/4	0.98	2.09	80
MATOP - 5S5115C	3.5	0.9 ~ 1.6	1400	198	7	195	7.68	1/4	0.98	2.09	80

* Recommended Air Pressure at 90 PSI (6.2 Bar)

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MAT CAAPTAIN

Screwdriver Catalogue

MAT

MARVEL ABRASIVE TOOLS



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