



Pneumatic Torque Motors







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Contents and Torque Motor Selection

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Torque Motor Selection

Criteria

- Type of Fastener/Component
- Joint Integrity
- Torque Required

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| TYPE OF FASTENER/C | OMPONENT | |
|--|--|---------------------------------------|
| Fastener/Component | | Recommended Tool Type |
| Machine Screw/Nut | | All Systems |
| Thread Rolling/Forming | | All Systems |
| Self Tapping | | System 100/200 |
| Self Tapping in Plastic/ Thin Materials | | Torque Controlled Shut Off |
| Self Drilling | | System 100/200 |
| Wood Screws | | System 100/200 |
| Screws with Adhesive | | System 300 with dual pressure control |
| Self Lock Nuts | | System 300 with dual pressure control |
| Misaligned Holes | | System 300 with dual pressure control |
| Variable Size Holes | | System 300 with dual pressure control |
| Fragile Components | The state of the s | System 300 with 2 speed control |



Torque Motor Selection

Average High Excellent System 100 System 200 System 300 Torque Controlled Shut Off

The Desoutter range of Torque Motors includes 4 options of torque control.

Torque Controlled Shut Off – 3.5 inlb - 23.6 ftlb (0.4-32 Nm)



These tools feature the Desoutter Target Tork clutch that operates a shut-off valve built into the tool. The low friction rolling action of the clutch dogs together with the synchronous air shut-off can provide torque repeatability's greater than ±5% depending on the joint.



With this system the motors are controlled by regulating the air pressure.

Stall torque is the best method of torque control for the majority of joints of a non critical nature and torque repeatability of ±10% can be readily achieved with a consistent air supply.

System 200 – Minimum Torque Indication (MTI) – 6.6-129 ft lb (9-175 Nm)



System 200 is used where a signal is required to show that the minimum torque required has been achieved.

The motor is mounted on a caliper which incorporates a torque reaction spring of a known value. The fixed part of the caliper is bolted to the base plate of the unit whilst the motor is mounted onto the moving part of the caliper.

When the motor stalls out the caliper closes and provided the minimum torque has been achieved, closes a valve or switch. The signal can be used to provide a visual indication, signal a PLC or other ancillary equipment.

System 300 – Indicated Torque Control (ITC) – 6.6-129 ftlb (9-175 Nm)

When more accurate control of torque is required, outside the scope of stall torque, some means of motor shut-off must be used so the motors can be stopped when the torque has been achieved. Desoutter System 300 is designed to shut-off the motors when the desired torque has been reached. It uses the same caliper system as System 200, but the signal from the caliper is used to switch a shuttle valve, controlling air entry into the motor. The signal from the valve can also be used to operate other equipment.

The ITC System is not subject to error due to air pressure fluctuation as motors can operate at higher pressure settings than would be used when operating the motor under stall conditions. This also means that faster cycle times can be achieved.



Torque Controlled Shut Off – SC Series



PUSH START - SHUT OFF - ONE WAY

| PICTURE REF | TOOL TYPE | PART NUMBER | FREE SPEED | TORQUE RANGE | FITTED SPRING | AIR FLOW | AIR HOSE BORE | AIR INLET | SOUND LEVEL | VIBRATION |
|----------------|--------------------|----------------|---------------|-----------------|------------------|-------------|------------------|--------------|----------------|------------------|
| | | | r/min | in lb | in lb | cfm | in. | NPT | dB(A) | ms ⁻² |
| Α | ASPC021-1A2300-S4Q | 1458774 | 2300 | 3.5-18.5 | 3.5-7.9 | 14.80 | 1/4" | 1/8" | 75 | <2.5 |
| A | ASPC021-1A1600-S4Q | 1458784 | 1600 | 3.5-25.6 | 5.3-18.5 | 14.80 | 1/4" | 1/8" | 75 | <2.5 |
| Α | ASPC043-1A1100-S4Q | 1458794 | 1100 | 3.5-37.1 | 7.9-37.1 | 14.80 | 1/4" | 1/8" | 75 | <2.5 |
| Α | ASPC047-1A550-S4Q | 1458804 | 550 | 3.5-39.8 | 7.9-39.8 | 14.80 | 1/4" | 1/8" | 75 | <2.5 |

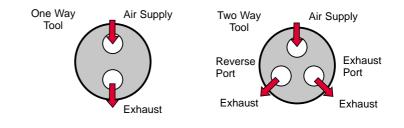
REMOTE START - SHUT OFF - TWO WAY

| PICTURE REF | TOOL TYPE | PART NUMBER | FREE SPEED | TORQUE RANGE | FITTED SPRING | AIR FLOW | AIR HOSE BORE | AIR INLET | SOUND LEVEL | VIBRATION |
|----------------|--------------------|----------------|---------------|-----------------|------------------|-------------|------------------|--------------|----------------|------------------|
| | | | r/min | in Ib | in lb | cfm | in. | NPT | dB(A) | ms ⁻² |
| Α | ASPC021-2A2300-S4Q | 1458814 | 2300 | 3.5-18.5 | 3.5-7.9 | 14.80 | 1/4" | 1/8" | 75 | <2.5 |
| Α | ASPC021-2A1600-S4Q | 1458824 | 1600 | 3.5-26.5 | 5.3-18.5 | 14.80 | 1/4" | 1/8" | 75 | <2.5 |
| Α | ASPC043-2A1100-S4Q | 1458834 | 1100 | 3.5-38.0 | 7.9-38.0 | 14.80 | 1/4" | 1/8" | 75 | <2.5 |
| Α | ASPC047-2A550-S4Q | 1458844 | 550 | 3.5-39.8 | 8.8-39.8 | 14.80 | 1/4" | 1/8" | 75 | <2.5 |

Pneumatic Control

Remote start tools will start as soon as air is supplied to the forward or reverse port.

Pressure tapping gives a 3 bar signal while tool is running. Signal stops when the clutch operates.





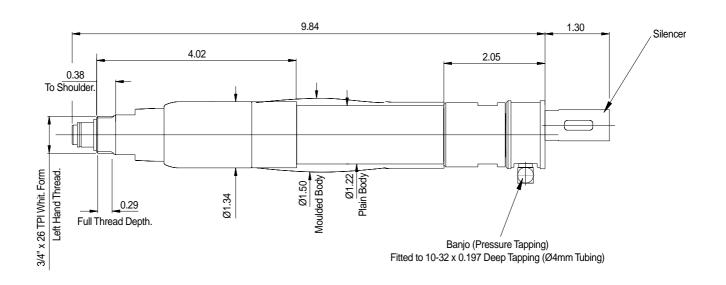
Torque Range and Spring Selection

To obtain the torque required the clutch spring may have to be changed. There are 3 spring types, white, black and natural. The torque ranges are shown in the table below:

| SPRING | TORQUE RANGE | TOOL TYPES |
|---------|--------------|----------------|
| | | |
| | in lb | |
| White | 3.5-7.9 | All Models |
| Black | 5.3-17.7 | ASPC047 |
| | 5.3-18.5 | ASPC021 |
| | 5.3-19.5 | ASPC043 |
| Natural | 8.8-25.6 | ASPC021-1A1600 |
| | 8.8-26.5 | ASPC021-2A1600 |
| | 7.9-37.1 | ASPC043-1A1100 |
| | 7.9-38.0 | ASPC043-2A1100 |
| | 7.9-39.8 | ASPC047-1A550 |
| | 8.8-39.8 | ASPC047-2A550 |

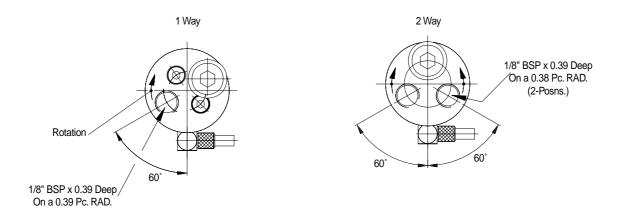


SC Series – Dimensions



1 Way tool Only Is Offered With Either Moulded Or Plain Motor Case

Weight 1.5lb (0.68kg)



All dimensions are in inches calculated from measured millimeter values



Torque Controlled Shut Off – SD Series



PUSH START - SHUT OFF - ONE WAY

| PICTURE REF | TOOL TYPE | PART NUMBER | FREE SPEED | TORQUE RANGE | FITTED SPRING | AIR FLOW | AIR HOSE BORE | AIR INLET | SOUND LEVEL | VIBRATION |
|----------------|-------------------|----------------|---------------|-----------------|------------------|-------------|------------------|--------------|----------------|------------------|
| | | | r/min | in lb | in lb | cfm | in. | NPT | dB(A) | ms ⁻² |
| Α | SD023-1AM3500-S4Q | 1464254 | 3500 | 8.9-20.4 | 8.9-20.4 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| Α | SD035-1AM2200-S4Q | 1464244 | 2200 | 8.9-40.0 | 8.9-40.0 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| Α | SD055-1AM1470-S4Q | 1464234 | 1470 | 17.7-48.7 | 17.7-48.7 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| Α | SD075-1AM1100-S4Q | 1464224 | 1100 | 22.1-66.4 | 22.1-66.4 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| Α | SD100-1AM820-S4Q | 1464214 | 820 | 31.0-88.5 | 31.0-88.5 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| Α | SD140-1AM510-S4Q | 1464204 | 510 | 31.0-123.9 | 31.0-88.5 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| Α | SD160-1AM320-S4Q | 1464194 | 320 | 31.0-141.6 | 31.0-88.5 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |

REMOTE START - SHUT OFF - MANUAL REVERSE

| PICTURE REF | TOOL TYPE | PART NUMBER | FREE SPEED | TORQUE RANGE | FITTED SPRING | AIR FLOW | AIR HOSE BORE | AIR INLET | SOUND LEVEL | VIBRATION |
|----------------|-------------------|----------------|---------------|-----------------|------------------|-------------|------------------|--------------|----------------|------------------|
| | | | r/min | in Ib | in lb | cfm | in. | NPT | dB(A) | ms ⁻² |
| В | SD023-2RM3500-S4Q | 1464324 | 3500 | 8.9-20.4 | 1.0-2.3 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| В | SD035-2RM2200-S4Q | 1464314 | 2200 | 8.9-40.0 | 1.0-3.5 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| В | SD055-2RM1470-S4Q | 1464304 | 1470 | 17.7-48.7 | 17.7-48.7 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| В | SD075-2RM1100-S4Q | 1464294 | 1100 | 22.1-66.4 | 22.1-66.4 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| В | SD100-2RM820-S4Q | 1464284 | 820 | 31.0-88.5 | 31.0-88.5 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| В | SD140-2RM510-S4Q | 1464274 | 510 | 31.0-123.9 | 31.0-88.5 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |
| В | SD160-2RM320-S4Q | 1464264 | 320 | 31.0-141.6 | 31.0-88.5 | 18.40 | 1/4" | 1/8" | 73 | <2.5 |

Pneumatic Control

Both tools produce signals for interfacing with other equipment.

10-32 Port provides signal while tool is running. The signal stops when the clutch operates.



Torque Range and Spring Selection

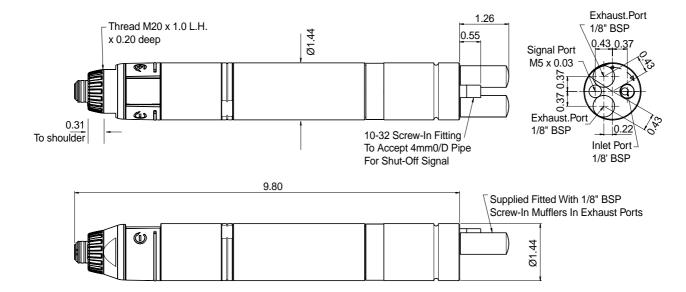
The majority of the SD Series uses one spring to cover the entire torque range. The 320 and 510 r/min tools use two springs as per below.

| SPRING | TOOL SPEED | | | | | | |
|--------|------------|------------|--|--|--|--|--|
| | 510 | 320 | | | | | |
| 465763 | 31.0-88.5 | 31.0-88.5 | | | | | |
| 465753 | 66.4-123.9 | 66.4-141.6 | | | | | |



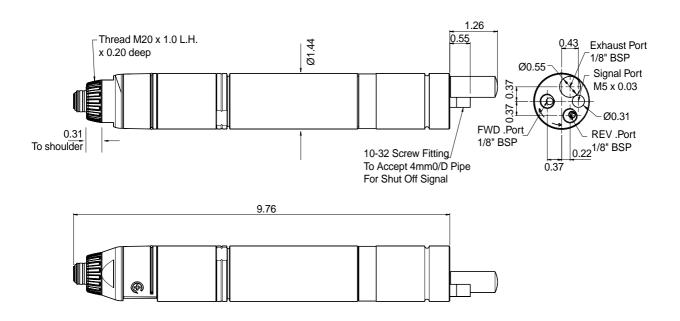
SD Series – Dimensions

SD-1AM



Weights 1AM (320, 510, 820, 1100 & 1470rpm) = 2.02lb (0.92kg) 1AM (2200 & 3500 rpm) = 1.67lb (0.76kg)

SD-2RM



All dimensions are in inches calculated from measured millimeter values

Weights 2RM (320, 510, 820, 1100 & 1470rpm) = 2.02lb (0.92kg) 2RM (2200 & 3500 rpm) = 1.67lb (0.76kg)



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Torque Controlled Shut Off – F Series





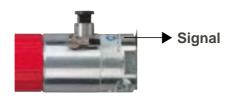
PUSH START - SHUT OFF - MANUAL REVERSE

| PICTURE REF | TOOL TYPE | PART NUMBER | FREE SPEED | TORQUE RANGE | FITTED SPRING | AIR FLOW | AIR HOSE BORE | AIR INLET | SOUND LEVEL | VIBRATION |
|----------------|-------------|----------------|---------------|-----------------|------------------|-------------|------------------|--------------|----------------|------------------|
| | | | r/min | ft lb | ft lb | cfm | in. | NPT | dB(A) | ms ⁻² |
| Α | 2F89-AX-900 | 1462594 | 900 | 2.1-6.2 | 2.1-6.2 | 21.2 | 3/8" | 1/4" | 76 | <2.5 |
| A | 2F89-AX-630 | 1462584 | 630 | 2.6-8.8 | 2.6-8.8 | 21.2 | 3/8" | 1/4" | 76 | <2.5 |
| В | 2F89-AX-260 | 1462574 | 260 | 7.7-23.6 | 16.2-23.6 | 21.2 | 3/8" | 1/4" | 76 | <2.5 |

Outputs – 630/900rpm, 1/4" hex – 260rpm, 3/8" square

Pneumatic Control

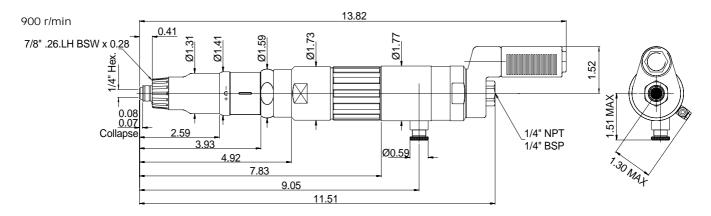
The 2F89 tools produce a signal while the tool is running for interfacing with other equipment. The signal stops when the clutch operates.

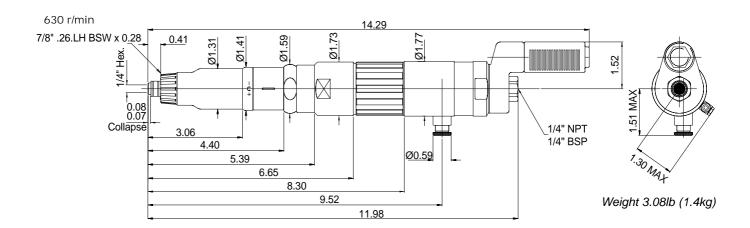




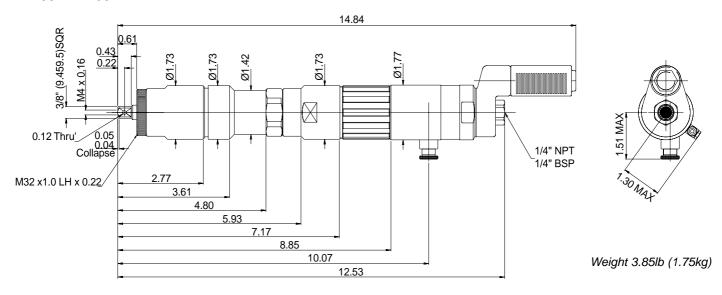
F Series – Dimensions

2F89-AX-630/900





2F89-AX-260



All dimensions are in inches calculated from measured millimeter values

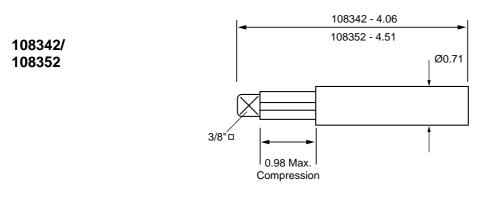


Torque Controlled Shut Off – Accessories

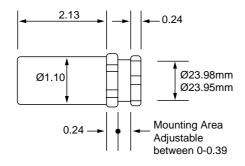
| Accessories | ITEM | SC SERIES | SD SERIES | F SERIES |
|--|---------------|----------------------------|----------------------------|----------------------------|
| Spring Loaded Shafts and Bearing Supports Provides a rigid output drive and | | 103782 108342 103742 | 103782 108342 108412 | 103782 108342 103752 |
| Mounting to allow torque motors to be mounted squarely on a plate (not required if a bearing support is used). | | 103722 | 108392 | 103732 |
| Offset Heads Offset head and output spindle for applications with close centres (minimum 0.748" (19mm)). | | 384993 108352 | 384993 108352 | _ |
| Screwdriver Bit Adaptor Quick release bit adaptor for use with the output shafts above. Provides a 1/4" hex output. | - | 108322 | 108322 | 108322 |

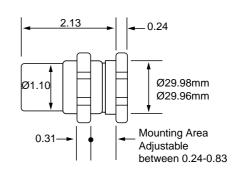


Torque Controlled Shut Off – Accessories

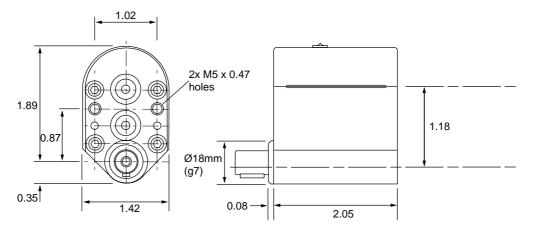


130742/108412 103752



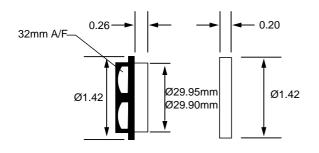


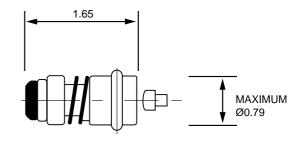
384993



103722/103732/108392

108322







System 100 – DM Series



SPECIFICATION

| PIC REF | TOOL TYPE | | AIR FLOW AT 6.3 BAR | | SOUND LEVEL | VIBRATION |
|------------|--------------|---------|------------------------|------|----------------|------------------|
| | | | cfm | in. | dB(A) | ms ⁻² |
| Α | DM6 | One Way | 19.90 | 3/8" | 76 | <2.5 |
| В | 2DM6 | Two Way | 19.90 | 3/8" | 73 | <2.5 |

TORQUES (ft lb)

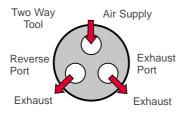
| | IR SURE | FREE SPEED | | | | | | |
|-----|------------|------------|------|------|------|------|--|--|
| bar | psi | 290 | 390 | 620 | 980 | 1650 | | |
| 6 | 87 | _ | _ | _ | 7.67 | 4.50 | | |
| 5 | 75 | - | - | - | 6.42 | 3.76 | | |
| 4 | 58 | - | - | 8.48 | 5.16 | 3.02 | | |
| 3 | 43 | - | 8.85 | 6.12 | 3.91 | 2.21 | | |
| 2 | 29 | 6.64 | 5.90 | 4.06 | 2.58 | 1.48 | | |

Maximum stall torque 8.9 ftlb

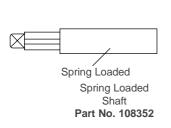
Data obtained from a lubricated air line Torque figures are to be used as a guide only

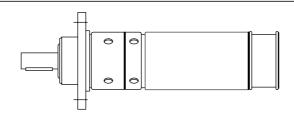
Pneumatic Control

Tools will start as soon as air is supplied to the forward or reverse port.



HOW TO ORDER



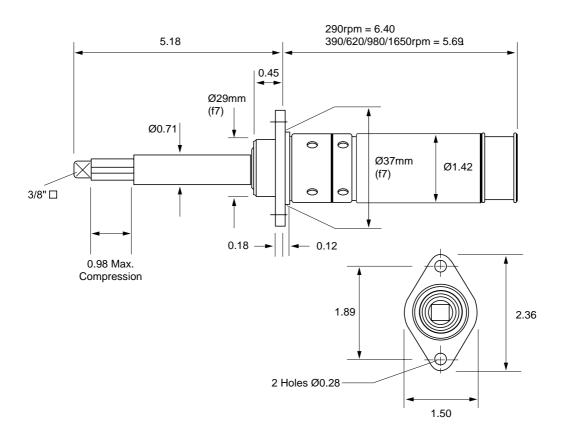


| TOOL TYPE | PART NUMBER | TOOL TYPE | PART NUMBER |
|-----------|----------------|-----------|----------------|
| DM6-290T | 1454214 | 2DM6-290 | 1414164 |
| DM6-390T | 1454204 | 2DM6-390 | 1414244 |
| DM6-620T | 1454194 | 2DM6-620 | 1413774 |
| DM6-980T | 1454184 | 2DM6-980 | 1414084 |
| DM6-1650T | 1454304 | 2DM6-1650 | 1416604 |

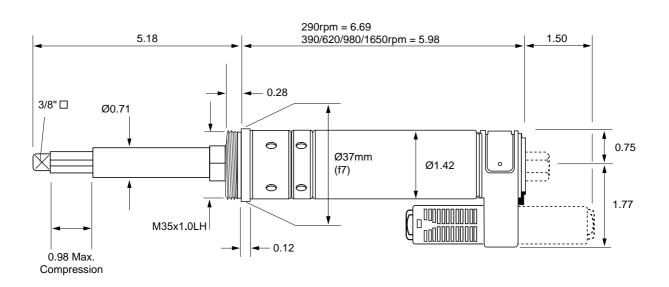


DM Series – Dimensions

2DM6



DM₆





System 100 – HM Series



REMOTE START - TWO WAY SPECIFICATION

| PIC REF | TOOL TYPE | AIR FLOW AT 6.3 BAR | AIR HOSE BORE | SOUND LEVEL | SOUND POWER LEVEL | VIBRATION |
|------------|------------------------------|------------------------|------------------|----------------|-------------------------|------------------|
| | | cfm | in. | dB(A) | dB(A) | ms ⁻² |
| Α | 2HM5 | 35.0 | 3/8" | 89 | 100 | <2.5 |
| В | 2HM5 with Offset Head | 35.0 | 3/8" | 89 | 100 | <2.5 |

REMOTE START - TWO WAY TORQUES (ft lb)

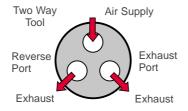
| | IR SSURE | FREE SPEED | | | | | | |
|-----|-------------|------------|-------|-------|-------|--|--|--|
| bar | psi | 150 | 350 | 550 | 950 | | | |
| 6 | 87 | - | _ | 30.24 | 18.44 | | | |
| 5 | 75 | - | 36.88 | 24.34 | 15.49 | | | |
| 4 | 58 | - | 29.50 | 19.18 | 11.80 | | | |
| 3 | 43 | _ | 22.13 | 14.75 | 8.85 | | | |
| 2 | 29 | 36.88 | 15.49 | 10.33 | 6.64 | | | |

Maximum stall torque 37.6 ftlb

Data obtained from a lubricated air line Torque figures are to be used as a guide only

Pneumatic Control

Tools will start as soon as air is supplied to the forward or reverse port.

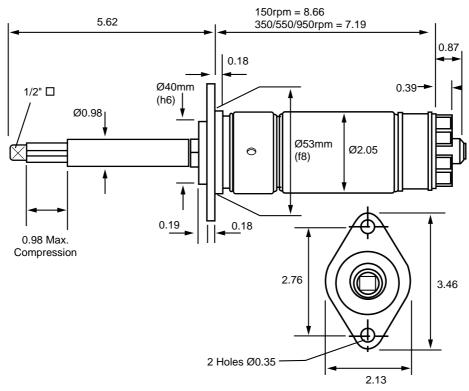


HOW TO ORDER 2DM6 TOOL TYPE PART NUMBER 2HM5-150 1309284 Spring Loaded Offset Head (1:1) 2HM5-350 1309444 Shaft Part No. 462033 2HM5-550 1309524 Part No. 108362 2HM5-950 1309604 2HM5 and Offset Head

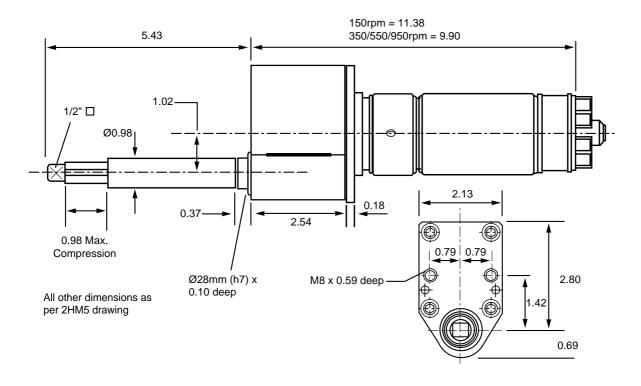


HM Series – Dimensions

2HM5

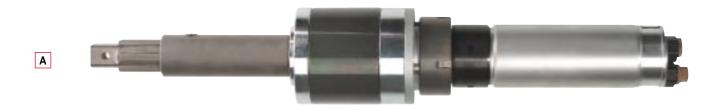


2HM5 and Offset Head





System 100 – 2HM5-HT Series



REMOTE START – TWO WAY

| PICTURE REF | TOOL TYPE | PART NUMBER | FREE SPEED ⁽¹⁾ | TORQUE RANGE | AIR FLOW ⁽¹⁾ | AIR HOSE BORE | AIR INLET | SOUND LEVEL | SOUND POWER LEVEL | VIBRATION |
|----------------|-------------|----------------|------------------------------|-----------------|----------------------------|------------------|--------------|----------------|----------------------|------------------|
| | | | r/min | ft lb | cfm | in. | NPT | dB(A) | dB(A) | ms ⁻² |
| Α | 2HM5-HT-230 | 1462654 | 230 | 22-62 | 35.0 | 3/8" | 1/4" | 89 | 100 | <2.5 |
| Α | 2HM5-HT-130 | 1462644 | 130 | 36-103 | 35.0 | 3/8" | 1/4" | 89 | 100 | <2.5 |
| Δ | 2HM5-HT-80 | 1462634 | 80 | 55-129 | 35.0 | 3/8" | 1/4" | 89 | 100 | <25 |

⁽¹⁾ Values taken at 6.3 bar inlet pressure

TORQUES (ft lb)

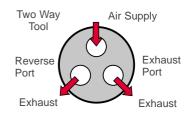
| | IR SURE | FREE SPEED | | | | |
|-----|------------|------------|--------|-------|--|--|
| bar | psi | 80 | 130 | 230 | | |
| 6 | 87 | _ | 103.26 | 62.69 | | |
| 5 | 75 | 125.39 | 84.82 | 51.63 | | |
| 4 | 58 | 99.57 | 66.38 | 40.57 | | |
| 3 | 43 | 73.76 | 51.63 | 33.19 | | |
| 2 | 29 | 55.32 | 36.88 | 22.13 | | |

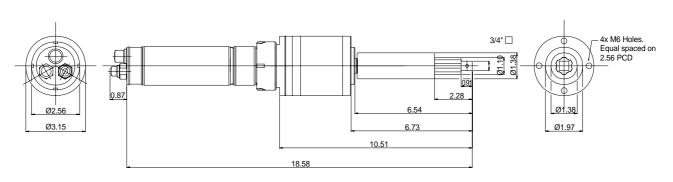
Maximum stall torque 129 ftlb

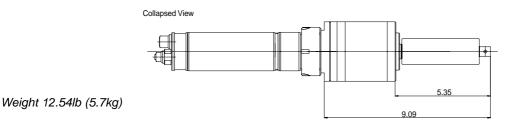
Data obtained from a lubricated air line Torque figures are to be used as a guide only

Pneumatic Control

Tools will start as soon as air is supplied to the forward or reverse port.

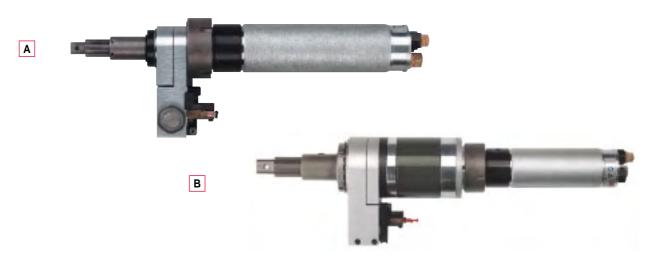








System 200/300 - 2HM5-MTI/ITC



REMOTE START - ONE WAY

| PICTURE REF | TOOL TYPE | PART NUMBER | FREE SPEED ⁽¹⁾ | TORQUE RANGE | AIR FLOW ⁽¹⁾ | AIR HOSE BORE | AIR INLET | SOUND LEVEL | SOUND POWER LEVEL | VIBRATION |
|----------------|---------------------|----------------|------------------------------|-----------------|----------------------------|------------------|--------------|----------------|----------------------|------------------|
| | | | r/min | ft lb | cfm | in. | NPT | dB(A) | dB(A) | ms ⁻² |
| Α | 2HM5-550-MTI/ITC | 1462624 | 550 | 11.1-30.2 | 35.0 | 3/8" | 1/4" | 89 | 100 | <2.5 |
| Α | 2HM5-350-MTI/ITC | 1462614 | 350 | 15.5-37.6 | 35.0 | 3/8" | 1/4" | 89 | 100 | <2.5 |
| Α | 2HM5-150-MTI/ITC | 1462604 | 150 | 33.2-37.6 | 35.0 | 3/8" | 1/4" | 89 | 100 | <2.5 |
| В | 2HM5-HT-230-MTI/ITC | 1462684 | 230 | 22.0-62.0 | 35.0 | 3/8" | 1/4" | 89 | 100 | <2.5 |
| В | 2HM5-HT-130-MTI/ITC | 1462674 | 130 | 36.0-103.0 | 35.0 | 3/8" | 1/4" | 89 | 100 | <2.5 |
| В | 2HM5-HT-80-MTI/ITC | 1462664 | 80 | 55.0-129.0 | 35.0 | 3/8" | 1/4" | 89 | 100 | <2.5 |

⁽¹⁾ Values taken at 6.3 bar inlet pressure

2HM5 TORQUES (ft lb)

| AIR PRESSURE | | FREE SPEED | | | | |
|-----------------|-----|------------|-------|-------|--|--|
| bar | psi | 150 | 350 | 550 | | |
| 6 | 87 | _ | _ | 30.24 | | |
| 5 | 75 | - | 36.88 | 24.34 | | |
| 4 | 58 | - | 29.50 | 19.18 | | |
| 3 | 43 | - | 22.13 | 14.75 | | |
| 2 | 29 | 36.88 | 15.49 | 10.33 | | |

Maximum stall torque 37.6 ftlb

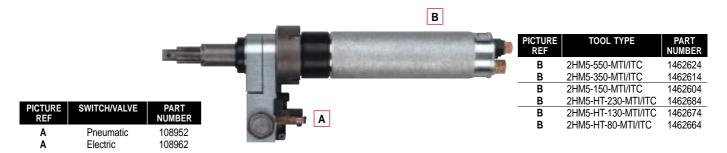
Data obtained from a lubricated air line Torque figures are to be used as a guide only

2HM5-HT TORQUES (ft lb)

| | IR Sure | | FREE SPEED | |
|-----|------------|--------|------------|-------|
| bar | psi | 80 | 130 | 230 |
| 6 | 87 | _ | 103.26 | 62.69 |
| 5 | 75 | 125.39 | 84.82 | 51.63 |
| 4 | 58 | 99.57 | 66.38 | 40.57 |
| 3 | 43 | 73.76 | 51.63 | 33.19 |
| 2 | 29 | 55.32 | 36.88 | 22.13 |

Maximum stall torque 129 ftlb

HOW TO ORDER





System 200/300 - Control Circuits

SYSTEM 200 Indicating Light Pneumatic Indicator Signal to PLC Indicating Pneumatic PLC Indicator Relay Micro switch Micro switch Micro valve Part no. 108962 Part no. 108962 Part no. 108952 SYSTEM 300 Electric Control Pneumatic Control PLC Start Micro switch Micro valve Part no. 108962 Part no. 108952 Electric Control with 2 Speed Cycle 1st Pressure Notes:

- Ensure that any valves and tubing used with the torque motors have the appropriate air flow rating.
- Avoid using pneumatic lubricating oil in any control circuit.
- For high torques, it may be necessary to introduce a short pulse (<1 sec) of low pressure (<2 bar) air onto the reverse port to permit the socket to disengage from the fastener.



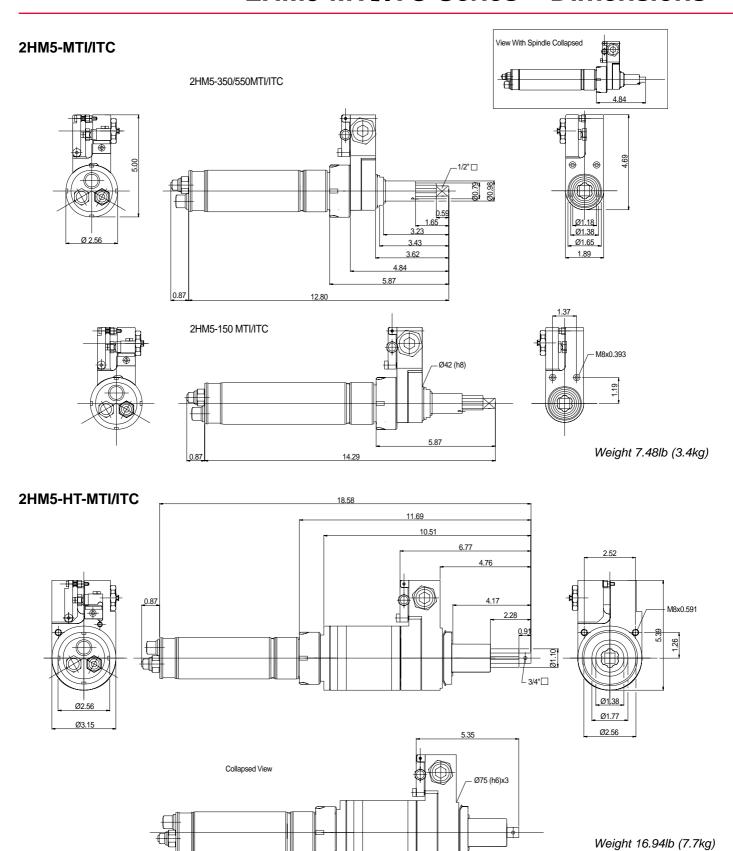
2nd Pressure

Start

PLC

Micro switch Part no. 108962

2HM5-MTI/ITC Series - Dimensions





Screwfeeding Systems

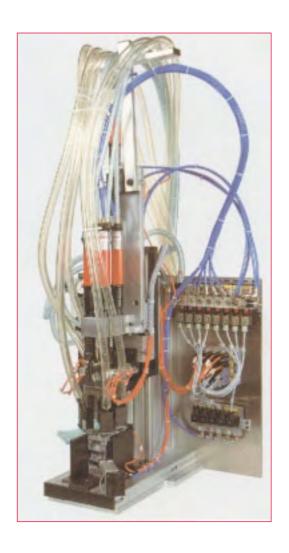


For applications where productivity is of importance the use of a screwfeeder can dramatically reduce the fastening cycle time.

The range of Desoutter Screw Feeding Systems are capable of operation with hand operated and fixtured tools.

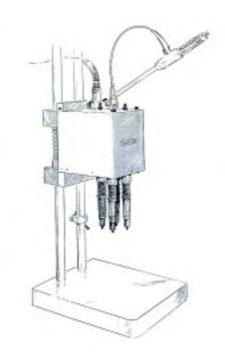
Ask for further details from your local sales contact.







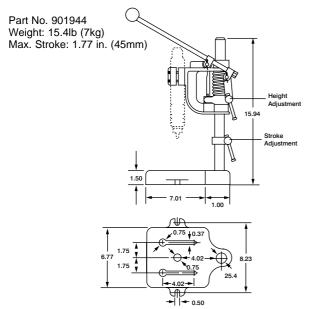
Stands



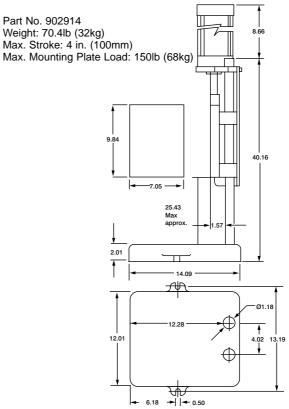
Lever operated version of the MC55 is available upon request.

Mounting Brackets can be made to order for the R55-S and MC55.

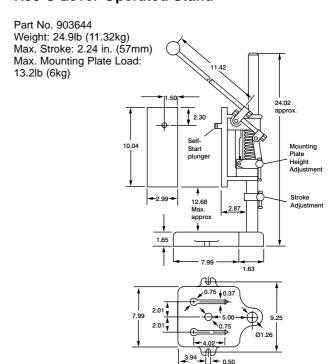
D54 Lever-Operated Stand For SD, DM6, 2DM6 Motors



MC55 Cylinder-Operated Stand With Linear Bearings



R55-S Lever-Operated Stand

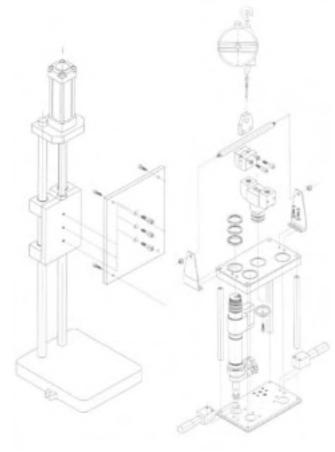




Slide Feed Units and Multiple Units

The Desoutter range also includes pneumatic slide feed units for automated assembly. The units can be manufactured to suit the application.







Desoutter can supply complete multiple spindle units to suit your application or supply kits of parts for assembly.

To discuss your assembly application please contact your local Desoutter technical support engineer.



Other Assembly and Automation Products

Fastening Tools



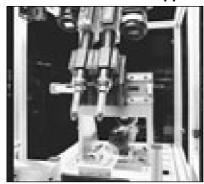
Installation Accessories



Assembly Systems



Auto Feed Drills and Tappers



Electric Nutrunners



Pneumatic Motors



General Safety Instructions for the Operation of Power Tools

The goal of Desoutter is to produce tools that help the operator work safely and efficiently.

The most important safety device for this or any other tool is the operator. Care and good judgement are the best protection against

All possible hazards cannot be covered here, but we have tried to highlight some of the important ones

Individuals should look for and obey Caution, Warning and Danger signs placed on tools, and displayed in the workplace. Operators should read and follow safety instructions packed with each tool. For a copy of these instructions, contact your local Desoutter

Learn how each tool works. Even if you have previously used similar tools, carefully check out each tool before you use it. Get the 'feel' of it and know its capabilities, limitations. potential hazards, how it operates and how



All tools are designed to operate at a line pressure of 6.3 bar +/- 0.15bar in accordance . with ISO2787.

Sound levels +/- 3dB(A)* measured in accordance with CAGI-PNEUROP test code. Vibration values* measured in accordance with ISO 8662

*These declared values were obtained by laboratory testing in compliance with stated standards and are not adequate for risk assessments. Values measured in individual work places may be higher than the declared values. The actual exposure values and risk of harm experienced by an individual are unique and depend upon the way the user works, the workpiece and the work station design, as well as upon the exposure time and the physical condition of the user. We Desoutter cannot be held liable for the consequences of using declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have

All product in this catalogue is classified as "machinery to be incorporated" in accordance with the European Machinery Directive.

Specifications subject to change without prior notice.

Further occupational health and safety information can be obtained from the following web sites http://www.osha.gov (USA) http://europe.osha.eu.int (Europe).



Compressed Air Hazards

- Air under pressure can cause injury. Never point an air hose at yourself or anyone else. Never blow your clothes free of dust with compressed air. Always direct exhaust air away from yourself and others in the work area.
- Always check for damaged or loose hoses and fittings before using an air tool, and replace if necessary. Whipping hoses can cause serious injury.
- Disconnect the tool from the air supply when not in use, before changing accessories, setting the torque, or when making repairs.
- Do not exceed rated air pressure to increase the output of the tool. This could cause injury and shorten tool life.
- Do not assemble quick coupler on the tool. Vibration can cause breakage resulting in a whipping air hose. Instead, use quick couplers on the end of a short leader hose.
- When universal twist couplings are used, lock pins must be installed to prevent accidental hose disconnection.
- Air tools are not intended for use in explosive atmospheres and are not insulated for contact with electric power sources.