

➤ Air Industrial Screwdrivers



TDCS Series Clutch Type

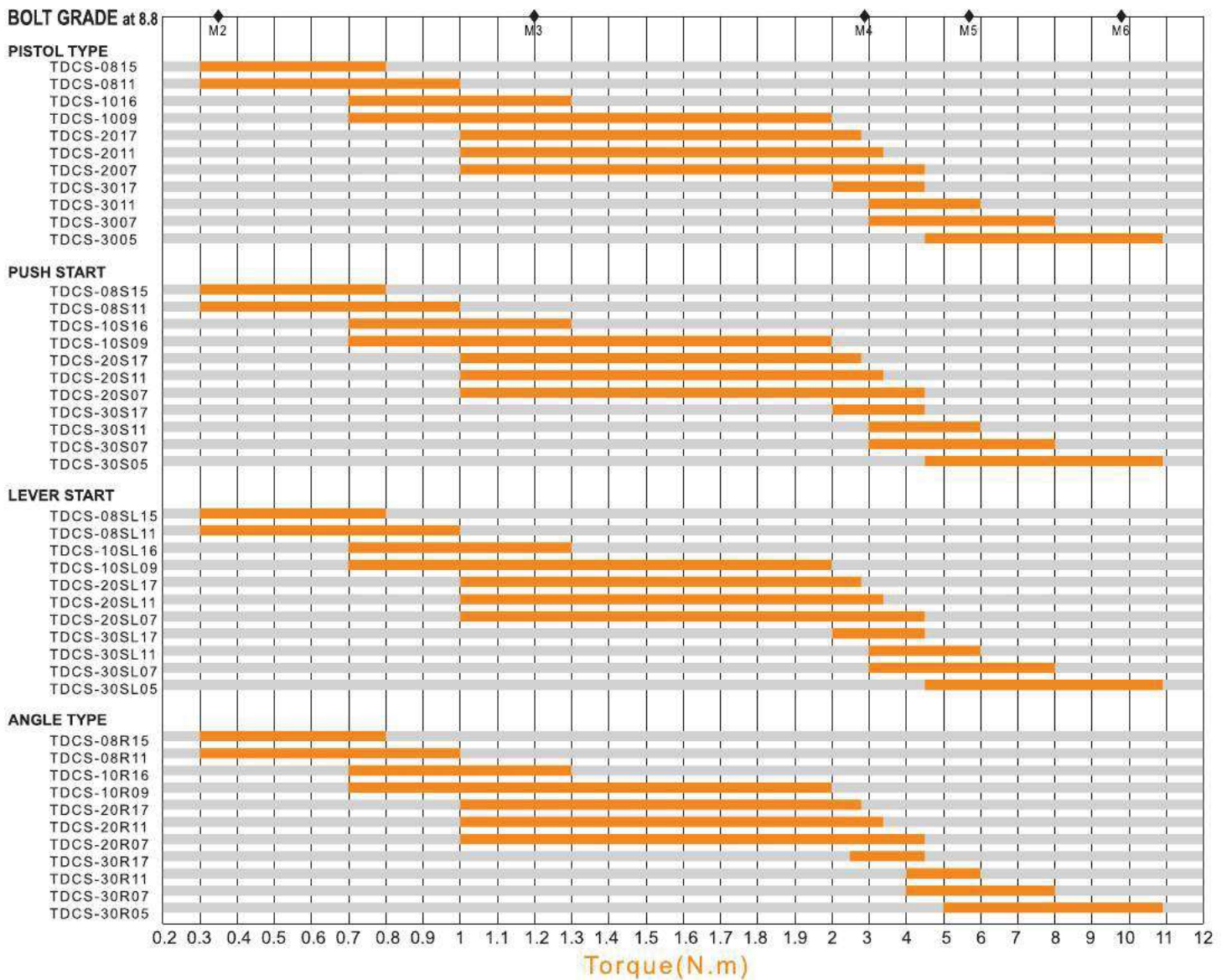
■ Pistol Type ■ Push Start ■ Lever Start ■ Angle Type

TORQUE RANGE REFERENCE

Torque is a very important reference value while choosing a right tool for tightening. Due to nut sizes, joint types, air pressure and working environment, the actual tightening torque may vary. The table below is only for a reference to choose the right tool. When the working torque is at the mean value of the torque range, the tool provides the best performance.

Tool Selection Chart

Air Industrial Screwdriver





Highlights



Torque Conversion

| Nm | kg-cm | in-lbs | Nm | kg-cm | in-lbs | Nm | kg-cm | in-lbs |
|-----|-------|--------|-----|-------|--------|----|--------|--------|
| 0.1 | 1.02 | 0.89 | 1.3 | 13.26 | 11.51 | 7 | 71.38 | 61.95 |
| 0.2 | 2.04 | 1.77 | 1.4 | 14.28 | 12.39 | 8 | 81.58 | 70.81 |
| 0.3 | 3.06 | 2.66 | 1.5 | 15.30 | 13.28 | 9 | 91.77 | 79.66 |
| 0.4 | 4.08 | 3.54 | 1.6 | 16.32 | 14.16 | 10 | 101.97 | 88.51 |
| 0.5 | 5.10 | 4.43 | 1.7 | 17.34 | 15.05 | 11 | 112.17 | 97.36 |
| 0.6 | 6.12 | 5.31 | 1.8 | 18.35 | 15.93 | 12 | 122.37 | 106.21 |
| 0.7 | 7.14 | 6.20 | 1.9 | 19.37 | 16.82 | 13 | 132.56 | 115.06 |
| 0.8 | 8.16 | 7.08 | 2 | 20.39 | 17.70 | 14 | 142.76 | 123.91 |
| 0.9 | 9.18 | 7.97 | 3 | 30.59 | 26.55 | 15 | 152.96 | 132.76 |
| 1 | 10.20 | 8.85 | 4 | 40.79 | 35.40 | 16 | 163.16 | 141.61 |
| 1.1 | 11.22 | 9.74 | 5 | 50.99 | 44.25 | 17 | 173.35 | 150.46 |
| 1.2 | 12.24 | 10.6 | 6 | 61.18 | 53.10 | 18 | 183.55 | 159.31 |

Pistol Type

-Air Industrial Screwdrivers-



TDCS-10



TDCS-20



TDCS-30



TDCS-08

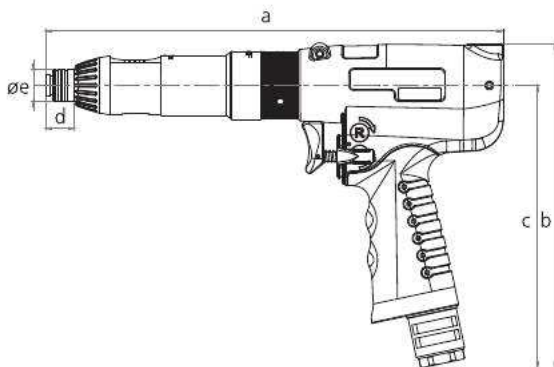


SPECIFICATIONS

| Model | Screw Size | Torque Range | | Bit Shank | Free Speed | Weight | | Drive Size | Dia | Air Inlet | Average Air Consumption | | Noise Level |
|-----------|------------|--------------|---------|-----------|------------|--------|------|------------|------|-----------|-------------------------|----------------------|-------------|
| | (mm) | in-lb | Nm | (mm) | rpm | kg | lb | inch | inch | inch | m ³ /min | ft ³ /min | dB(A) |
| TDCS-0815 | M2 | 2.7~6.2 | 0.3~0.7 | 9 | 1500 | 0.7 | 1.5 | 1/4 F/Hex | 0.9 | 1/4 | 0.2 | 7 | 72 |
| TDCS-0811 | M2 | 3.5~8.8 | 0.4~1 | 9 | 1100 | 0.7 | 1.5 | 1/4 F/Hex | 0.9 | 1/4 | 0.2 | 7 | 72 |
| TDCS-1016 | M2-M3 | 6.2~12.3 | 0.7~1.3 | 9 | 1600 | 0.9 | 1.98 | 1/4 F/Hex | 1.1 | 1/4 | 0.35 | 12.5 | 75 |
| TDCS-1009 | M3 | 6.2~17.6 | 0.7~2 | 9 | 900 | 0.9 | 1.98 | 1/4 F/Hex | 1.1 | 1/4 | 0.35 | 12.5 | 75 |
| TDCS-2017 | M3 | 8.8~26.4 | 1~3 | 9 | 1700 | 1.15 | 2.53 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-2011 | M3-M4 | 8.8~30.8 | 1~3.5 | 9 | 1100 | 1.15 | 2.53 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-2007 | M3-M4 | 8.8~35.2 | 1~4 | 9 | 700 | 1.15 | 2.53 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-3017 | M4 | 17.6~39.6 | 2~4.5 | 9 | 1700 | 1.2 | 2.64 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-3011 | M4-M5 | 22~52.8 | 2.5~6 | 9 | 1100 | 1.2 | 2.64 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-3007 | M5 | 26.4~70 | 3~8 | 9 | 700 | 1.2 | 2.64 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-3005 | M6 | 30.8~88 | 3.5~10 | 9 | 500 | 1.2 | 2.64 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |

Recommended Air Pressure : TDCS-08.10 : 70psi (5kg/cm²)/0.5MPa TDCS-20.30 : 85psi (6kg/cm²)/0.6MPa

Air Hose Size : 10mm×6.5mm×5m



Dimensions

| Model | a (mm) | b (mm) | c (mm) | d (mm) | e (mm) |
|---------|--------|--------|--------|--------|--------|
| TDCS-08 | 218 | 162.3 | 143.8 | 16 | ø16 |
| TDCS-10 | 211 | 162.3 | 143.8 | 16 | ø16 |
| TDCS-20 | 232 | 164.5 | 143.3 | 16 | ø16 |
| TDCS-30 | 234 | 164.5 | 143.3 | 16 | ø16 |

SPECIFICATIONS

| Model | Screw Size | Torque Range | | Bit Shank | Free Speed | Weight | | Drive Size | Dia | Air Inlet | Average Air Consumption | | Noise Level |
|------------|------------|--------------|---------|-----------|------------|--------|------|------------|------|-----------|-------------------------|----------------------|-------------|
| | (mm) | in-lb | Nm | (mm) | rpm | kg | lb | inch | inch | inch | m ³ /min | ft ³ /min | dB(A) |
| TDCS-08S15 | M2 | 2.7~6.2 | 0.3~0.7 | 9 | 1500 | 0.35 | 0.77 | 1/4 F/Hex | 0.9 | 1/8 | 0.2 | 7 | 73 |
| TDCS-08S11 | M2 | 3.5~8.8 | 0.4~1 | 9 | 1100 | 0.35 | 0.77 | 1/4 F/Hex | 0.9 | 1/8 | 0.2 | 7 | 73 |
| TDCS-10S16 | M2-M3 | 6.2~12.3 | 0.7~1.3 | 9 | 1600 | 0.6 | 1.32 | 1/4 F/Hex | 1.1 | 1/8 | 0.35 | 12.5 | 75 |
| TDCS-10S09 | M3 | 6.2~17.6 | 0.7~2 | 9 | 900 | 0.6 | 1.32 | 1/4 F/Hex | 1.1 | 1/8 | 0.35 | 12.5 | 75 |
| TDCS-20S17 | M3 | 8.8~26.4 | 1~3 | 9 | 1700 | 0.9 | 1.98 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-20S11 | M3-M4 | 8.8~30.8 | 1~3.5 | 9 | 1100 | 0.9 | 1.98 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-20S07 | M3-M4 | 8.8~35.2 | 1~4 | 9 | 700 | 0.9 | 1.98 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-30S17 | M4 | 17.6~39.6 | 2~4.5 | 9 | 1700 | 0.97 | 2.13 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-30S11 | M4-M5 | 22~52.8 | 2.5~6 | 9 | 1100 | 0.97 | 2.13 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-30S07 | M5 | 26.4~70 | 3~8 | 9 | 700 | 0.97 | 2.13 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-30S05 | M6 | 30.8~88 | 3.5~10 | 9 | 500 | 0.97 | 2.13 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |

Recommended Air Pressure : TDCS-08.10 : 70psi (5kg/cm²)/0.5MPa TDCS-20.30 : 85psi (6kg/cm²)/0.6MPa
Air Hose Size : 10mm×6.5mm×5m



TDCS-20S



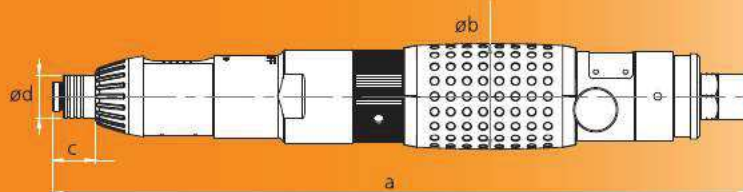
TDCS-30S



TDCS-10S



TDCS-08S



Dimensions

| Model | a (mm) | b (mm) | c (mm) | d (mm) |
|----------|--------|--------|--------|--------|
| TDCS-08S | 216.1 | ∅26 | 16 | ∅16 |
| TDCS-10S | 229.1 | ∅31.5 | 16 | ∅16 |
| TDCS-20S | 257 | ∅37.5 | 16 | ∅16 |
| TDCS-30S | 261 | ∅40.5 | 16 | ∅16 |

Push Start

-Air Industrial Screwdrivers-

Lever Start

-Air Industrial Screwdrivers-



TDCS-20SL

TDCS-08SL



TDCS-10SL

TDCS-30SL



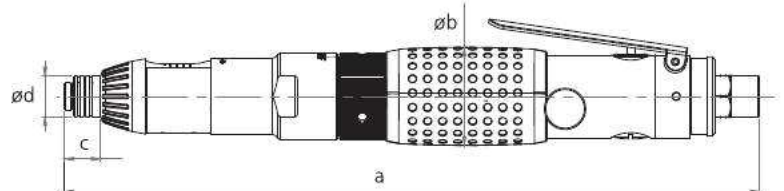
SPECIFICATIONS

| Model | Screw Size | Torque Range | | Bit Shank | Free Speed | Weight | | Drive Size | Dia | Air Inlet | Average Air Consumption | | Noise Level |
|-------------|------------|--------------|---------|-----------|------------|--------|-----|------------|------|-----------|-------------------------|----------------------|-------------|
| | (mm) | in-lb | Nm | (mm) | rpm | kg | lb | inch | inch | inch | m ³ /min | ft ³ /min | dB(A) |
| TDCS-08SL15 | M2 | 2.7~6.2 | 0.3~0.7 | 9 | 1500 | 0.41 | 0.9 | 1/4 F/Hex | 0.9 | 1/8 | 0.2 | 7 | 73 |
| TDCS-08SL11 | M2 | 3.5~8.8 | 0.4~1 | 9 | 1100 | 0.41 | 0.9 | 1/4 F/Hex | 0.9 | 1/8 | 0.2 | 7 | 73 |
| TDCS-10SL16 | M2-M3 | 6.2~12.3 | 0.7~1.3 | 9 | 1600 | 0.63 | 1.4 | 1/4 F/Hex | 1.1 | 1/8 | 0.35 | 12.5 | 75 |
| TDCS-10SL09 | M3 | 6.2~17.6 | 0.7~2 | 9 | 900 | 0.63 | 1.4 | 1/4 F/Hex | 1.1 | 1/8 | 0.35 | 12.5 | 75 |
| TDCS-20SL17 | M3 | 8.8~26.4 | 1~3 | 9 | 1700 | 1 | 2.2 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-20SL11 | M3-M4 | 8.8~30.8 | 1~3.5 | 9 | 1100 | 1 | 2.2 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-20SL07 | M3-M4 | 8.8~35.2 | 1~4 | 9 | 700 | 1 | 2.2 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-30SL17 | M4 | 17.6~39.6 | 2~4.5 | 9 | 1700 | 1 | 2.2 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-30SL11 | M4-M5 | 22~52.8 | 2.5~6 | 9 | 1100 | 1 | 2.2 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-30SL07 | M5 | 26.4~70 | 3~8 | 9 | 700 | 1 | 2.2 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-30SL05 | M6 | 30~88 | 3.5~10 | 9 | 500 | 1 | 2.2 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |

Recommended Air Pressure : TDCS-08.10 : 70psi (5kg/cm²)/0.5MPa TDCS-20.30 : 85psi (6kg/cm²)/0.6MPa
 Air Hose Size : 10mm×6.5mm×5m

Dimensions

| Model | a (mm) | b (mm) | c (mm) | d (mm) |
|-----------|--------|--------|--------|--------|
| TDCS-08SL | 238 | ø26 | 16 | ø16 |
| TDCS-10SL | 246 | ø31.5 | 16 | ø16 |
| TDCS-20SL | 278 | ø37.5 | 16 | ø16 |
| TDCS-30SL | 274 | ø40.5 | 16 | ø16 |



Angle Type

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TDCS-08R



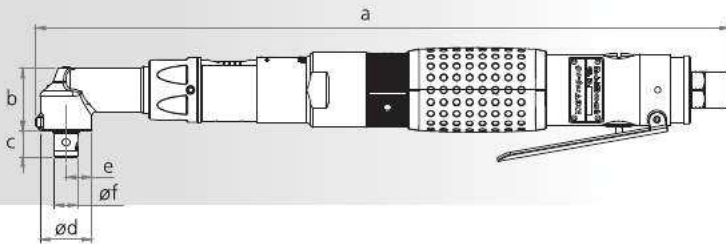
TDCS-10R



TDCS-20R



TDCS-30R



Dimensions

| Model | a (mm) | b (mm) | c (mm) | d (mm) | e (mm) | f (mm) |
|----------|--------|--------|--------|--------|--------|--------|
| TDCS-08R | 284.1 | 30 | 11.5 | ∅24 | 12 | ∅11 |
| TDCS-10R | 290.5 | 30 | 11.5 | ∅24 | 12 | ∅11 |
| TDCS-20R | 320.6 | 30 | 11.5 | ∅24 | 12 | ∅11 |
| TDCS-30R | 328 | 30 | 17.5 | ∅27 | 13.5 | ∅11 |

SPECIFICATIONS

| Model | Screw Size | Torque Range | | Bit Shank | Free Speed | Weight | | Drive Size | Dia | Air Inlet | Average Air Consumption | | Noise Level |
|------------|------------|--------------|---------|-----------|------------|--------|------|------------|------|-----------|-------------------------|----------------------|-------------|
| | (mm) | in-lb | Nm | (mm) | rpm | kg | lb | inch | inch | inch | m ³ /min | ft ³ /min | dB(A) |
| TDCS-08R15 | M2 | 2.7~7 | 0.3~0.8 | 9 | 1500 | 0.56 | 1.23 | 1/4 F/Hex | 0.9 | 1/8 | 0.2 | 7 | 73 |
| TDCS-08R11 | M2 | 3.5~8.8 | 0.4~1 | 9 | 1100 | 0.56 | 1.23 | 1/4 F/Hex | 0.9 | 1/8 | 0.2 | 7 | 73 |
| TDCS-10R16 | M2-M3 | 6.2~12.3 | 0.7~1.3 | 9 | 1600 | 0.8 | 1.8 | 1/4 F/Hex | 1.1 | 1/8 | 0.35 | 12.5 | 75 |
| TDCS-10R09 | M3 | 6.2~17.6 | 0.7~2 | 9 | 900 | 0.8 | 1.8 | 1/4 F/Hex | 1.1 | 1/8 | 0.35 | 12.5 | 75 |
| TDCS-20R17 | M3 | 8.8~25 | 1~2.8 | 9 | 1700 | 1.2 | 2.64 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-20R11 | M3-M4 | 8.8~30 | 1~3.4 | 9 | 1100 | 1.2 | 2.64 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-20R07 | M3-M4 | 8.8~40 | 1~4.5 | 9 | 700 | 1.2 | 2.64 | 1/4 F/Hex | 1.37 | 1/4 | 0.47 | 16.5 | 78 |
| TDCS-30R11 | M4-M5 | 35.2~52.8 | 4~6 | 9 | 1100 | 1.3 | 2.86 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-30R07 | M5 | 35.2~70 | 4~8 | 9 | 700 | 1.3 | 2.86 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |
| TDCS-30R05 | M6 | 44~88 | 5~10 | 9 | 450 | 1.3 | 2.86 | 1/4 F/Hex | 1.37 | 1/4 | 0.51 | 18 | 78 |

Recommended Air Pressure : TDCS-08.10 : 70psi (5kg/cm²)/0.5MPa TDCS-20.30 : 85psi (6kg/cm²)/0.6MPa

Air Hose Size : 10mm×6.5mm×5m