



The PTS™ is the result of an extensive design project to produce an efficient air motor in an accurate torque tool. The air motor is then married to Norbar's respected gearbox range, sharing common torque reaction accessories with PTM and EvoTorque® tools.

- Pistol grip handle for operator comfort
- Designed to offer excellent power-to-weight ratio
- Up to 2.5 kg weight saving compared with PT equivalents
- Easily accessible switch for forward and reverse operation
- ±3% repeatability of reading from 20% to 100% of range
- Air coupling designed for safety and rapid operation
- Quiet operation - The sound pressure level is 77 dB(A) [the PTS™ 4000 is 79 dB(A)]. Uncertainty K = 3 dB. The sound emission values were determined according to BS EN ISO 11148-6
- Directional exhaust barrel directs exhaust away from operator
- Replaceable square drive
- Fast operation for rapid bolt rundown. Up to 60% faster than the previous PT model
- Non-impacting - exceptionally low vibration levels (0.343 m/s²), make these tools comfortable and safe for operator use.
- Steel reactions supplied as standard. Bespoke reactions available upon request



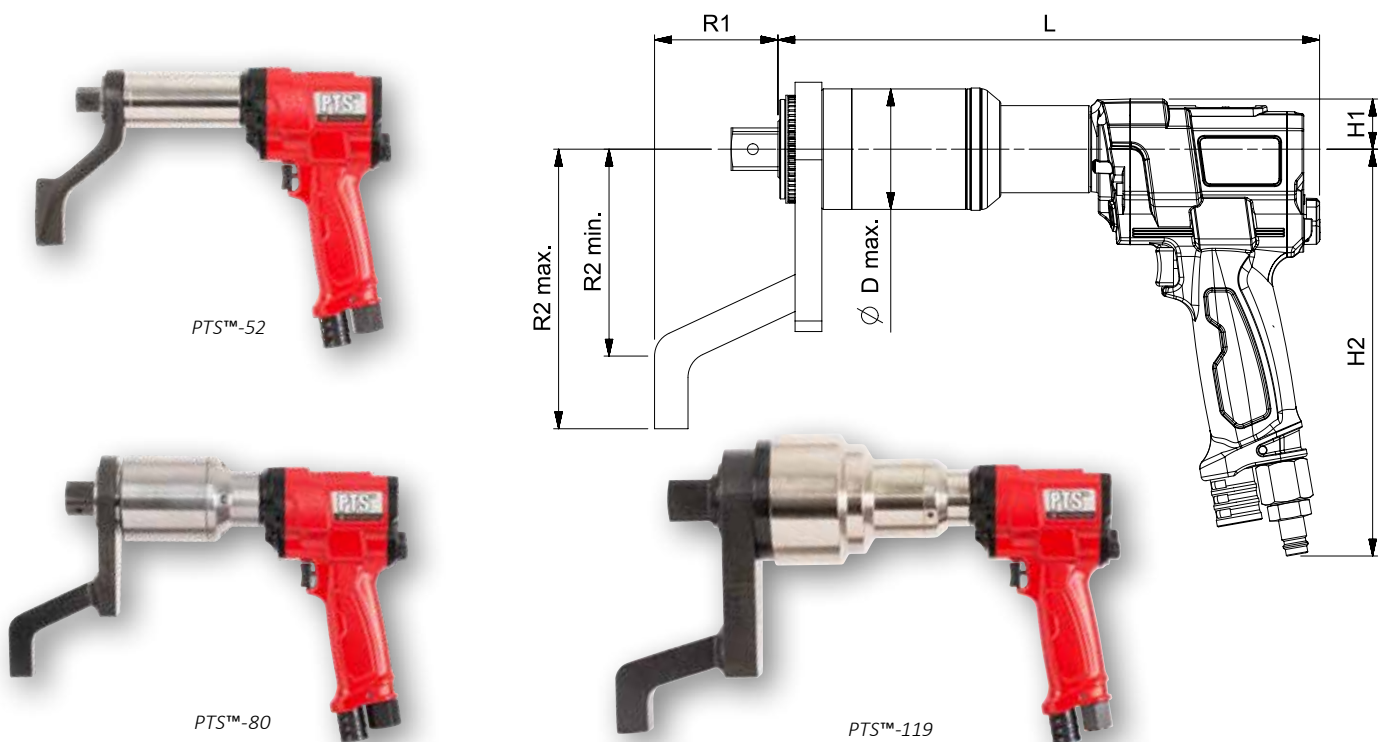
| 11 | PTS SERIES - STALL TOOLS - BI-DIRECTIONAL |
|------------|--|
| 180241.B06 | ¾" sq. dr., 100 - 500 N·m, 74 - 370 lbf·ft |
| 180242.B06 | ¾" sq. dr., 160 - 800 N·m, 118 - 590 lbf·ft |
| 180243.B06 | ¾" sq. dr., 200 - 1,000 N·m, 147 - 738 lbf·ft |
| 180244.B08 | 1" sq. dr., 270 - 1,350 N·m, 200 - 1,000 lbf·ft |
| 180245.B08 | 1" sq. dr., 400 - 2,000 N·m, 295 - 1,475 lbf·ft |
| 180246.B08 | 1" sq. dr., 540 - 2,700 N·m, 398 - 1,991 lbf·ft |
| 180250.B08 | 1" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf·ft |
| 180250.B12 | 1½" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf·ft |
| 180248.B12 | 1½" sq. dr., 1,200 - 6,000 N·m, 885 - 4,425 lbf·ft |
| 180249.B12 | 1½" sq. dr., 1,400 - 7,000 N·m, 1,030 - 5,200 lbf·ft |

| 11 | PTS SERIES - STALL TOOLS - BI-DIRECTIONAL - AUTO TWO SPEED |
|--------|--|
| 180781 | ¾" sq. dr., 200 - 1,000 N·m, 147 - 738 lbf·ft |
| 180782 | 1" sq. dr., 270 - 1,350 N·m, 200 - 1,000 lbf·ft |
| 180783 | 1" sq. dr., 400 - 2,000 N·m, 295 - 1,475 lbf·ft |
| 180784 | 1" sq. dr., 540 - 2,700 N·m, 398 - 1,991 lbf·ft |
| 180785 | 1" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf·ft |
| 180786 | 1½" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf·ft |
| 180787 | 1½" sq. dr., 1,200 - 6,000 N·m, 885 - 4,425 lbf·ft |
| 180788 | 1½" sq. dr., 1,400 - 7,000 N·m, 1,030 - 5,200 lbf·ft |



| Model | PTS-52-500 PTS-52-800 | PTS-72-1000 PTS-72-1350 | PTS-72-2000 | PTS-80-2700 | PTS-92-4000 | PTS-119-6000 PTS-119-7000 | |
|----------------------|--|--|-------------|-------------|--------------------------|------------------------------|-----|
| Part Number | 180241.B06 180242.B06 | 180243.B06 180244.B08 | 180245.B08 | 180246.B08 | 180250.B08 180250.B12 | 180248.B12 180249.B12 | |
| Output Speed (rpm) | 35.5 (PTS-52-500) 25.7 (PTS-52-800) | 20.4 (PTS-72-1000) 14.7 (PTS-72-1350) | 9.2 | 7.3 | 5.3 | 2.6 | |
| Dimensions (mm) | ∅D max. | 52 | 72 | 72 | 80 | 92 | 119 |
| | H1 | 30 | 30 | 30 | 30 | 30 | 30 |
| | H2 | 243 | 243 | 243 | 243 | 243 | 243 |
| | L | 263 | 290 | 324 | 290 | 347 | 369 |
| | R1 | 59 | 76 | 76 | 76 | 70 | 90 |
| | R2 min. | 71 | 124 | 124 | 124 | 125 | 162 |
| | R2 max. | 131 | 167 | 167 | 167 | 175 | 210 |
| Tool Weight (kg) | 4.2 | 6.2 | 6.6 | 6.2 | 8.59 | 12.5 | |
| Reaction Weight (kg) | 0.9 | 1.4 | 1.4 | 1.4 | 2.5 | 3.8 | |

| Model | PTS-72-1000 Auto Two Speed PTS-72-1350 Auto Two Speed | PTS-72-2000 Auto Two Speed | PTS-80-2700 Auto Two Speed | PTS-92-4000 Auto Two Speed | PTS-119-6000 Auto Two Speed PTS-119-7000 Auto Two Speed | |
|----------------------|--|-------------------------------|-------------------------------|-------------------------------|--|-----|
| Part Number | 180781 180782 | 180783 | 180784 | 180785 180786 | 180787 180788 | |
| Output Speed (rpm) | 100 (PTS-72-1000) | TBC | 30 | 22 | TBC | |
| Dimensions (mm) | ∅D max. | 72 | 72 | 80 | 92 | 119 |
| | H1 | 30 | 30 | 30 | 30 | 30 |
| | H2 | 243 | 243 | 243 | 243 | 243 |
| | L | 309 | 357 | 327 | 376 | 402 |
| | R1 | 76 | 76 | 76 | 70 | 90 |
| | R2 min. | 124 | 124 | 124 | 125 | 162 |
| | R2 max. | 167 | 167 | 167 | 175 | 210 |
| Tool Weight (kg) | 6.28 | TBC | 7.45 | 8.89 | TBC | |
| Reaction Weight (kg) | 1.4 | 1.4 | 1.4 | 2.5 | 3.8 | |





Remote control versions have no direction control on the tool but rely on external pneumatic circuitry to provide this function. This opens up numerous application possibilities for the PneuTorque® ranging from simple stall shut-off in a hazardous working environment to sophisticated, multi-spindle torque and angle shut-off systems.

- Designed to offer excellent power-to-weight ratio
- ±3% repeatability of reading from 20% to 100% of range
- Replaceable square drive

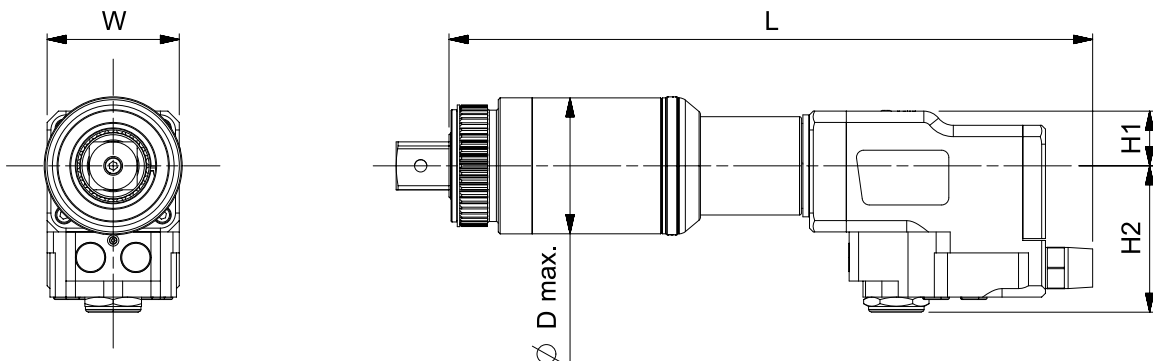
NOTE: For full versatility, PTS™ Remotes are supplied without reaction see pages 70 - 72 for options or discuss bespoke engineered options with Norbar.

| 11 | PTS REMOTE SERIES |
|------------|--|
| 180271.B06 | ¾" sq. dr., 100 - 500 N·m, 74 - 370 lbf·ft |
| 180272.B06 | ¾" sq. dr., 160 - 800 N·m, 118 - 590 lbf·ft |
| 180273.B06 | ¾" sq. dr., 200 - 1,000 N·m, 147 - 738 lbf·ft |
| 180274.B08 | 1" sq. dr., 270 - 1,350 N·m, 200 - 1,000 lbf·ft |
| 180275.B08 | 1" sq. dr., 400 - 2,000 N·m, 295 - 1,475 lbf·ft |
| 180276.B08 | 1" sq. dr., 540 - 2,700 N·m, 398 - 1,991 lbf·ft |
| 180295.B08 | 1" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf·ft |
| 180295.B12 | 1½" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf·ft |
| 180279.B12 | 1½" sq. dr., 1,400 - 7,000 N·m, 1,030 - 5,200 lbf·ft |

| 11 | PTS REMOTE SERIES - AUTO TWO SPEED |
|--------|--|
| 180789 | ¾" sq. dr., 200 - 1,000 N·m, 147 - 738 lbf·ft |
| 180790 | 1" sq. dr., 270 - 1,350 N·m, 200 - 1,000 lbf·ft |
| 180791 | 1" sq. dr., 400 - 2,000 N·m, 295 - 1,475 lbf·ft |
| 180792 | 1" sq. dr., 540 - 2,700 N·m, 398 - 1,991 lbf·ft |
| 180793 | 1" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf·ft |
| 180794 | 1½" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf·ft |
| 180796 | 1½" sq. dr., 1,400 - 7,000 N·m, 1,030 - 5,200 lbf·ft |

| Model | PTS REMOTE 52-500 | PTS REMOTE 52-800 | PTS REMOTE 72-1000 | PTS REMOTE 72-1350 | PTS REMOTE 72-2000 | PTS REMOTE 80-2700 | PTS REMOTE 92-4000 | PTS REMOTE 92-4000 | PTS REMOTE 119-7000 |
|--------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Part Number | 180271.B06 | 180272.B06 | 180273.B06 | 180274.B08 | 180275.B08 | 180276.B08 | 180295.B08 | 180295.B12 | 180279.B12 |
| Output Speed (rpm) | 27.8 | 20.1 | 16 | 11.5 | 7.2 | 5.7 | 4.1 | 4.1 | 2 |
| Dimensions (mm) | ØD max. | 52 | 52 | 72 | 72 | 80 | 92 | 92 | 119 |
| | H1 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| | H2 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| | L | 284 | 284 | 311 | 311 | 344 | 311 | 362 | 385 |
| | W | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| Tool Weight (kg) | 4.1 | 4.1 | 6.1 | 6.1 | 6.5 | 6.1 | 8.9 | 8.9 | 12.4 |

| Model | PTS REMOTE 72-1000 Auto Two Speed | PTS REMOTE 72-1350 Auto Two Speed | PTS REMOTE 72-2000 Auto Two Speed | PTS REMOTE 80-2700 Auto Two Speed | PTS REMOTE 92-4000 Auto Two Speed | PTS REMOTE 92-4000 Auto Two Speed | PTS REMOTE 119-7000 Auto Two Speed |
|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| Part Number | 180789 | 180790 | 180791 | 180792 | 180793 | 180794 | 180796 |
| Output Speed (rpm) | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Dimensions (mm) | ØD max. | 72 | 72 | 72 | 80 | 92 | 119 |
| | H1 | 29 | 29 | 29 | 29 | 29 | 29 |
| | H2 | 78 | 78 | 78 | 78 | 78 | 78 |
| | L | 330 | 330 | 376 | 344 | 395 | 422 |
| | W | 70 | 70 | 70 | 70 | 70 | 70 |
| Tool Weight (kg) | TBC | TBC | TBC | 7.0 | 9.3 | 9.3 | TBC |





PneuTorque® Applications

The smooth and continuous torque output of the PneuTorque® makes these tools suitable for a wide range of bolting and non-bolting applications.

Bolting

PneuTorques are ideally suited to tightening and untightening bolts of up to 150 mm diameter. The following is just a small selection of applications:

- Wheel nuts on trucks, buses and large machinery
- Structural steelwork
- High pressure joints e.g. Pipelines, boiler feed pumps and pressure vessels
- Engine head bolts
- Injector heads on plastic injection moulding machines
- Heat exchangers
- Heavy vehicle production eg. chassis and suspension bolts

Non-bolting

Whenever a high continuous torque is needed, PneuTorques can be used as the power source. Typical applications include:

- Ball valve operation
- Powering wagons and gantries
- Barring of large diesel engines (turning the crankshaft) during build
- Weld testing by applying test torques
- Roller adjustment in steel mills and paper mills
- Valving of gas bottles

