

# CP86 Series

## Battery torque wrenches

### > SPECIFICATIONS-REFERENCES



| Version           |                         | CP8603     | CP8609     | CP8613     | CP8626     | CP8641     | CP8681     |
|-------------------|-------------------------|------------|------------|------------|------------|------------|------------|
| Standalone        | Model name              | CP8603     | CP8609     | CP8613     | CP8626     | CP8641     | CP8681     |
|                   | Pack - Part number      | 6151570380 | 6151571120 | 6151570000 | 6151570030 | 6151570060 | 6151570090 |
|                   | Bare tool - Part number | 6151571250 | 6151571160 | 6151570210 | 6151570240 | 6151570270 | 6151570300 |
| Connected         | Model name              | CP8603C    | CP8609C    | CP8613C    | CP8626C    | CP8641C    | CP8681C    |
|                   | Pack - Part number      | 6151570390 | 6151571130 | 6151570010 | 6151570040 | 6151570070 | 6151570190 |
|                   | Bare tool - Part number | 6151570880 | 6151571170 | 6151570220 | 6151570250 | 6151570280 | 6151570310 |
| Connected Quality | Model name              | CP8603CQ   | CP8609CQ   | CP8613CQ   | CP8626CQ   | CP8641CQ   | CP8681CQ   |
|                   | Pack - Part number      | 6151570400 | 6151571140 | 6151570020 | 6151570050 | 6151570080 | 6151570200 |
|                   | Bare tool - Part number | 6151570890 | 6151571180 | 6151570230 | 6151570260 | 6151570290 | 6151570320 |
| Torque Check      | Model name              | CP8603TC   | CP8609TC   | CP8613TC   | CP8626TC   | CP8641TC   | CP8681TC   |
|                   | Pack - Part number      | 6151570410 | 6151571150 | 6151570670 | 6151570680 | 6151570690 | 6151570700 |
|                   | Bare tool - Part number | 6151570900 | 6151571190 | 6151570840 | 6151570850 | 6151570860 | 6151570870 |

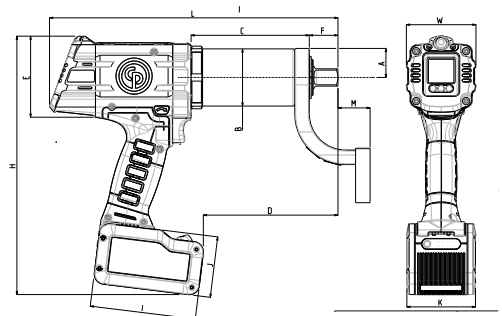
#### Specifications

|   | CP8603    | CP8609     | CP8613      | CP8626      | CP8641        | CP8681        |
|---|-----------|------------|-------------|-------------|---------------|---------------|
| Square drive                                      | 3/4"      | 1"         | 3/4"        | 1"          | 1"            | 1-1/2"        |
| Accuracy (6 sigma)*                               | +/-4%     | +/-4%      | +/-4%       | +/-4%       | +/-4%         | +/-4%         |
| Min/Max torque (ft.lbs)                           | 50 - 240  | 185 - 665  | 220 - 960   | 520 - 1 910 | 740 - 3 020   | 1 470 - 5 970 |
| Min/Max torque (Nm)                               | 70 - 325  | 250 - 900  | 300 - 1 300 | 700 - 2 600 | 1 000 - 4 100 | 2 000 - 8 100 |
| Nominal working torque (ft.lbs)                   | 65 - 190  | 240 - 530  | 290 - 770   | 570 - 1 530 | 910 - 2 420   | 1 790 - 4 780 |
| Nominal working torque (Nm)                       | 90 - 260  | 325 - 720  | 390 - 1 040 | 780 - 2 080 | 1 230 - 3 280 | 2 430 - 6 480 |
| Lower minimum torque (ft.lbs / Nm)**              | 25 / 35   | 48 / 65    | 55 / 75     | 130 / 175   | 185 / 250     | 370 / 500     |
| Max speed all torque (rpm)                        | 20        | 15         | 10          | 5           | 3             | 1.2           |
| Weight - with battery and reaction arm (lbs / kg) | 9.0 / 4.1 | 12.5 / 5.7 | 11.7 / 5.3  | 15.9 / 7.2  | 25.1 / 11.4   | 36.4 / 16.5   |
| Sound pressure (dB(A))                            | 59        | 58         | 70          | 70          | 70            | 70            |
| Vibration (m/s <sup>2</sup> )                     | <2.5      | <2.5       | <2.5        | <2.5        | <2.5          | <2.5          |
| Number of cycles by battery*                      | 700       | 500        | 250         | 180         | 90            | 60            |





\*Based on hard joint 15° at nominal torque. \*\*Accuracy at lower minimum torque = +/-15% (recommended only as first step of multi-pass tightening sequence)







### > DIMENSIONS

|        | A   | B    | C    | D    | E    | F   | I    | J    | K    | M    | Height (H) | Length (L) | Width (W) |      |
|--------|-----|------|------|------|------|-----|------|------|------|------|------------|------------|-----------|------|
| CP8603 | in. | 1.10 | 2.13 | 3.58 | 4.37 | 3.5 | 1.34 | 4.57 | 2.64 | 2.99 | 0.67       | 11.22      | 11.06     | 3.03 |
|        | mm  | 28   | 54   | 91   | 111  | 89  | 34   | 116  | 67   | 76   | 17         | 285        | 281       | 77   |
| CP8609 | in. | 1.32 | 2.64 | 6.02 | 6.73 | 3.5 | 1.26 | 4.57 | 2.64 | 2.99 | 1.34       | 11.22      | 13.43     | 3.03 |
|        | mm  | 34   | 67   | 153  | 171  | 89  | 32   | 116  | 67   | 76   | 34         | 285        | 341       | 77   |
| CP8613 | in. | 1.26 | 2.48 | 5.12 | 5.83 | 3.5 | 1.26 | 4.57 | 2.64 | 2.99 | 1.38       | 11.22      | 12.52     | 3.03 |
|        | mm  | 32   | 63   | 130  | 148  | 89  | 32   | 116  | 67   | 76   | 35         | 285        | 318       | 77   |
| CP8626 | in. | 1.42 | 2.64 | 6.61 | 7.64 | 3.5 | 1.57 | 4.57 | 2.64 | 2.99 | 1.77       | 11.22      | 14.29     | 3.03 |
|        | mm  | 36   | 67   | 168  | 194  | 89  | 40   | 116  | 67   | 76   | 45         | 285        | 363       | 77   |
| CP8641 | in. | 1.97 | 3.19 | 8.46 | 9.41 | 3.5 | 1.5  | 4.57 | 2.64 | 2.99 | 1.65       | 11.22      | 16.1      | 3.98 |
|        | mm  | 50   | 81   | 215  | 239  | 89  | 38   | 116  | 67   | 76   | 42         | 285        | 409       | 101  |
| CP8681 | in. | 2.01 | 4.02 | 7.99 | 9.65 | 3.5 | 2.2  | 4.57 | 2.64 | 2.99 | 2.56       | 11.22      | 16.3      | 4.17 |
|        | mm  | 51   | 102  | 203  | 245  | 89  | 56   | 116  | 67   | 76   | 65         | 285        | 414       | 106  |







## > ACCESSORIES RECOMMENDATION

|        |  |  |  |  |  |  |
|--------|---|---|---|--|---|---|
|        | S Type  | Square Type   | Steel space bar   | Sliding-drive  | Blade   | Suspension yoke   |
| Model  | Part number   |   |   |  |   |   |
| CP8603 | 6158136285  | 6158136325  | 6158136335  | 6158136305   | -   | 6158136810  |
| CP8609 | 6158136835  | 6158136855  | 6158136845  | 6158136865   6158136875 (ext.)   | -   | 8940166654  |
| CP8613 | 6158131800  | 6158131890  | 6158131830  | 6158131860   | 6158136100  | 6158131770  |
| CP8626 | 6158131810  | 6158131900  | 6158131840  | 6158131870   | -   | 6158131780  |
| CP8641 | 6158131820  | 6158131910  | 6158131850  | 6158131880   | -   | 6158131790  |
| CP8681 | 6158135251  | 6158135281  | 6158135261  | 6158135271   | -   | 6158135291  |

|        |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|
|        | Fish arm base kit   | Fish arm + shoe kit   | Long shaft 760 mm   | Adaptor kit CP8641 to CP8626  | Nose extension 300 mm   | Nose extension 480 mm   |
| Model  | Part number   |   |   |   |   |   |
| CP8613 |   |   |   |   |   | 6151780970  |
| CP8626 | 6151800560  | 6151800550  | 6155012750  | 6151800570  | 6151780980  | 6151780990  |
| CP8641 | 6151800560  | 6151800550  | 6155012750  |   |   |   |

If our standard offer of reaction arms does not meet your specific needs, our engineering team can design custom reaction arms fully adapted to your application. Please contact your CP partner for more details.


|             |  |  |  |  |                          |
|-------------|---|---|--|---|--------------------------|
|             | Battery 36V 2.5 Ah  | Battery charger CP  | Plastic case   |   | Protective cover         |
| Model       | All models  | All models  | CP8603, CP8609, CP8613, CP8626   | CP8641  | CP8681                   |
| Part number | 8940176068  | 8940176069  | 6159958910   | 6159958920  | 6159958930               |
|             |   |   |  |   | All models except CP8681 |
|             |   |   |  |   | 6152112130               |

## > ADDITIONAL INFORMATION

|                  |  | Standalone | C - Connected | CQ - Connected Quality | TC - Torque Check |
|------------------|--|------------|---------------|------------------------|-------------------|
|                  |  | All models |               |                        |                   |
| Performance      | Digital OLED display                       | ✓          | ✓             | ✓                      | ✓                 |
|                  | Automatic release reaction arm             | ✓          | ✓             | ✓                      | ✓                 |
|                  | Torque tightening                          | ✓          | ✓             | ✓                      | ✓                 |
|                  | Counterclockwise tightening                | ✓          | ✓             | ✓                      | ✓                 |
| Safety           | Double safety button                       | ✓          | ✓             | ✓                      | ✓                 |
|                  | Tool lock & finder                         |            | ✓             | ✓                      | ✓                 |
| Connectivity     | CPLinQ                                     |            | ✓             | ✓                      | ✓                 |
|                  | Tool status follow-up management           |            | ✓             | ✓                      | ✓                 |
| Tool maintenance | Operation alert                            |            | ✓             | ✓                      | ✓                 |
|                  | Maintenance timeline                       |            | ✓             | ✓                      | ✓                 |
|                  | Angle tightening                           |            | ✓             | ✓                      | ✓                 |
| Job control      | Torque & Angle tightening                  |            | ✓             | ✓                      | ✓                 |
|                  | P-Set library (up to 6 P-sets in the tool) |            | ✓             | ✓                      | ✓                 |
|                  | Counting sequence                          |            |               | ✓                      | ✓                 |
|                  | Tightening report                          |            |               | ✓                      | ✓                 |
| Process control  | Torque Check                               |            |               |                        | ✓                 |

**+** CP86 packs are delivered with:

- ✓ 2 batteries
- ✓ 1 charger
- ✓ 1 power cord
- ✓ 1 manual
- ✓ Calibration certificate
- ✓ 1 plastic case




For more information, please contact your CP partner:

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.