

# CSPLD CSPLDC

Click Type  
Torque Wrench  
with Wired  
Data Transfer

Direction



CSPLD100N3X15D  
with QH head and fixed cable



CD5

\* CD5 Display is calibrated to one wrench.  
(Purchase of CD5 is required.)



CSPLDC25N3X10D  
with quick connect cable

## Tightening Data Management System

- Transfer actual applied torque by cable connection with CD5 display
- CD5 display gives judgment for Hi/Lo set torque value
- Interchangeable torque wrench type allows to use variety of standard heads
- CD5 and wrench are calibrated together to one torque setting

Accuracy  $\pm 3\%$

Model		Torque Range [N·m]	Torque Range [kgf·cm/kgf·m]		Torque Range [lbf·in/lbf·ft]	
Fixed Cable	Quick Connect Cable	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.
CSPLD	CSPLDC		kgf·cm	kgf·m	lbf·in	lbf·ft
CSPLD25N3-10N×10D	CSPLDC25N3-10N×10D	2-10	20-100	0.2-1	18-88	2.0-7.0
CSPLD25N3×10D	CSPLDC25N3×10D	5-25	50-250	0.5-2.5	45-221	4.0-18
CSPLD50N3×12D	CSPLDC50N3×12D	10-50	100-500	1-5	89-442	8.0-36
CSPLD50N3×15D	CSPLDC50N3×15D					
CSPLD100N3×15D	CSPLDC100N3×15D	20-100	200-1000	2-10	178-885	15-73
CSPLD140N3×15D	CSPLDC140N3×15D	30-140	300-1400	3-14	266-1239	23-103
CSPLD200N3×19D	CSPLDC200N3×19D	40-200	400-2000	4-20	355-1770	30-147
CSPLD280N3×22D	CSPLDC280N3×22D	40-280	400-2800	4-28	355-2478	30-206

- Note**
- 1 CSPLD/CSPLDC wrench and CD5 display are calibrated together. At time of order, provide torque set value and confirm cable types and length.
  - 2 Wrench only are supplied as back ups or for replacement.  
Calibration procedure required when connecting new wrench to CD5 Display. Contact Tohnichi for assistance.
  - 3 Interchangeable head is sold separately. Refer to page 45 to 48.
  - 4 If connecting CSPLD/CSPLDC to your existing CD5 display and use the OK/NG judgment LED light on the wrench, it requires a power supply AC adapter sold separately, contact to Tohnichi for details.

### Display (Required)

Model	Dimension [mm]
CD5	W150 × D190 × H94

**Note** Refer to page 67 for more information.

### CD5 Output Cable (Optional)

Model	Description	Plug
383	CD5 - PC	D-SUB Pin Female

## CSPLD/CSPLDC Outline

Wired system features highly reliable transmitter mounted on a click torque wrench that captures actual applied torque data. CD5 display shows actual tightening torque and judgment is made whether or not the torque is within the programmed Hi/Lo parameters. Connect to PLC and PC software to store and control data for increased tightening reliability. Select from two different cable styles, CSPLD for fixed cable type and CSPLDC for quick connect type.

## System Example



CSPLD

Wired transfer of actual  
tightening torque

Model AQSPDL2/AQSPDLC2/  
ACQSPDL2/ACQSPDLC2,  
AirTork versions are also available

OK/NG judgment  
Red: NG Blue: OK

Lighting in blue or red for the next use wrench  
by command input from PC/PLC



PC connecting cable/383  
Refer to P.50.

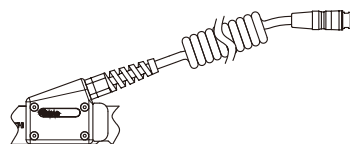


PC/PLC

Specify cable specification  
when ordering.  
Refer to diagram bellows.

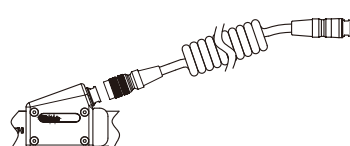
## CSPLD/CSPLDC Cable Figure

Cable 1: 300mm Curled cable



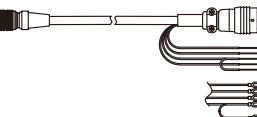
LD : Fixed cable type

Cable 2: 300mm Curled cable



LDC : Quick connect type

Cable 3



Connected to an indicator CD5

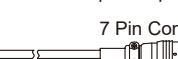
LS lead cable

LS lead cable with Y terminal

Cable 4



Cable 5 \*Upon request



7 Pin Connector male

7 Pin Connector female

**Note**

- 1 Cable 1 : Fixed 300mm
- 2 Cable 3 : The length is selectable from 4 to 10m
- 3 Cable 4, Cable 5 : Available from 1 to 10m
- 4 Cable 5 is for connecting LD/LDC to the previous CSPD/ACQSPD cable from CD5.  
Select the connector shape depending on your CSPD.  
- Standard "CSPD", Fixed Cable type : 7 Pin male  
- "CSPD-KN", Quick Connector Type : 7 Pin female
- 5 For further details, contact Tohnichi.