

Tohnichi ISO6789:2017 compliance status

■ About ISO6789:2017 standard

To meet needs of manufacturers and calibration services, currently, the 2017 version of ISO6789 has been published, and its operation has started in Europe.

■ Main points of Changes

- The standard has been divided into two parts.
 - Part 1: defines design and manufacturing requirements, including the content of the Declaration of Conformity.
 - Part 2: sets out requirements, including how to calculate uncertainty for traceable calibration certificates.
- The contents and terms of the calibration certificate will change.
- The allowable range of posture during calibration has been changed. In addition, the calibration conditions have changed.
- The content related to resolution has been added.
- There are restrictions on the measurement error, measurement method, and environment of the measuring instrument used for calibration.

■ Tohnichi Actions

This ISO 6789-2017 standard applies from Tohnichi torque wrenches. Not applicable for some models, such as F series and small torque range wrenches. Tohnichi torque screwdriver series and digital torque wrench series will continue to apply the current ISO 6789-2003. Torque gauges and torque meters are not subject to ISO6789. Some Tohnichi dial indicating torque wrenches change their torque range according to the ISO6789-2017 standard requirements. Calibration certificate of the new standard is attached from the applicable model produced after January 2022.

- Some of DB, DBE, DB-S, DBE-S, CDB-S and T-S models in Nm and Metric units will be changed the minimum torque range in accordance with meeting the requirement of less than 5% of the resolution.

e.g.

Previous model		New model
DB6N4		DB6N5
Torque range: 0.6-6Nm	⇒	Torque range: 0.7-6Nm
Graduation : 0.1Nm		Graduation : 0.1Nm
Accuracy : +/-3%		Accuracy : +/-3%

- Requirement of ISO 6789:2017 specifies the resolution 1/5 of increment width*

* In the case the pointer tip width should be less than 1/5 of the scale or dial increment.

- Reading Accuracy should be 0.02Nm in ISO6789-2017 ($0.1\text{Nm} \times 1/5 = 0.02\text{Nm}$).

- 3% of the minimum torque 0.6Nm is 0.018Nm (Shortage of resolution).

- Change the minimum torque to 0.7Nm for the update model DB6N5 (3% of the minimum torque 0.7Nm, 0.021Nm is available with the resolution 0.02Nm).

■ Contents of calibration certificate changes

ISO6789:2017 Calibration certificate

校正証明書

Calibration Certificate

Date of First Used: / /

品名 トルクレンチ
Torque Wrench

型式 QL100N4

最小 / 最大トルク
Min / Max Torque 20 / 100

単位 N·m

検査日 29/10/2020

Date of calibration (Day/Month/Year)

製造番号 088705J

Serial No. 3

相対測定誤差 ± (%) 25

Relative Measurement Error

検査時温度 (°C) 50

Temperature

検査時湿度 (%) -

Humidity

交換ヘッド使用時の有効長
Effective Length with Interchangeable Head

検査担当者 相澤 栄治
Inspector E. Aizawa

相対測定
不確かさ W
% W Relative
Expanded MUJ Interval

相対測定
不確かさ W
% W Relative
MUJ Interval

検査ポイント Set Torque	作動方向 Direction	単位 Units	実測値 Actual Readings					平均 Average	相対測定 不確かさ W % W Relative Expanded MUJ Interval	相対測定 不確かさ W % W Relative MUJ Interval
			1	2	3	4	5			
20 N·m	CW	N·m	20.6	20.5	20.5	20.4	20.4	20.5	2.105%	4.465%
		%	-2.91	-2.44	-2.44	-1.96	-1.96	-2.34		
	CCW	N·m	-	-	-	-	-	-	-	-
60 N·m	CW	N·m	60.0	60.0	59.9	59.8	59.8	59.9	0.735%	1.225%
		%	0.00	0.00	0.17	0.33	0.33	0.17		
	CCW	N·m	-	-	-	-	-	-	-	-
100 N·m	CW	N·m	101.7	101.6	101.6	101.9	101.8	101.7	0.490%	2.200%
		%	-1.67	-1.58	-1.58	-1.87	-1.77	-1.69		
	CCW	N·m	-	-	-	-	-	-	-	-

相対測定誤差の合格判定
Judgment of Relative Measurement Error

合格
Pass

この校正成績書はISO6789:2017の要求事項に準拠した適合宣言であり、本製品は、国家標準にトレースされた参照標準を基準とした標準器を用い、上記規格に準拠した作業標準に従って校正が行われ、校正作業における検査または試験結果が製品仕様を満たしていることを証明します。
なお、トルク測定機器の最大測定誤差はトルクツールの最大許容相対偏差の1/4以下です。
We declare that this document complies with the requirements of ISO6789:2017.
We certify that product identified above was calibrated using reference standard.
That is traceable to the national standards specifications and according to TOHNICHI standards.
We have verified that these test results only with product specifications.
The measurement error of the torque measurement device is less than 1/4 of the maximum permissible relative deviation of the torque tool.
(※相対測定不確かさ区間 W)とは、製品の相対測定誤差平均に相対標準不確かさと測定機器の相対測定誤差を足した数値です。
(※Rel. MUJ interval W is the sum of the values. "Mean value of the relative measurement error", "Relative expanded measurement uncertainty" and "Stated relative measurement error")

標準器 Standard Equipment	型式 Model	製造番号 Serial No.	最大測定誤差/測定の不確かさ区間 Max. Measurement Error/ Measurement Uncertainty Interval	検査場所 Inspection Location
トルクレンチテスト Torque Wrench Tester	TISK400N-2	705239A	0.02%/0.30%	甲府工場 KOFU PLANT

参照標準 Reference Standard	公的機関 Official Facility	製造番号 Serial No.
参照用トルクレンチ RTW200 Reference Torque Wrench	(株)東日製作所 TOHNICHI MFG.CO.,LTD	701570Y
トルク基準機 DWTGM25 Torque Calibration Machine	(株)ミツトヨ(株)大正天びん製作所 MITUTOYO CORPORATION TAISHO BALANCE MFG.	706752B

株式会社 東日製作所
TOHNICHI MFG. CO., LTD

TOHNICHI MFG. CO., LTD KOFU PLANT
ISO9001 JQA-1536

発行責任者
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Head of Calibration

H. Tsuneyoshi

ISO6789:2003 Calibration certificate

Certificate of Calibration

校正証明書

Name: TORQUE WRENCH

Model: QL100N4

Max. Capacity: 100

Units: N·m

Date of Calibration: 05/09/2018
(Day/Month/Year)

Set Torque Lower Upper

Date of First Used: / /

Serial No.: 145490J

Accuracy ± (%): 3

Temperature (°C): 26

Inspector: E. AIZAWA

Set Torque	Lower	Upper	Actual Readings				
			CW	CCW	CW	CCW	CCW
20	19.5	20.6	20.6	20.5	20.4	20.4	20.4
60	58.3	61.8	60.3	60.3	60.2	60.1	60.0
100	97.1	103.0	101.5	101.4	101.3	101.2	101.2

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We certify that product identified above was calibrated using Reference standard.
That is traceable to the national standards specifications and according to TOHNICHI STANDARDS.
We have verified that these test results comply with product specifications.
Measured values are within tolerance according to ISO6789.
The uncertainty of measurement of the reference standard use is ±1%.

標準器 Standard Equipment	型式 Model	製造番号 Serial No.
トルクレンチ TORQUE WRENCH TESTER	TISK1000N-2	706249F

参照標準 Reference Standard	公的機関 Official Facility	製造番号 Serial No.
参照用トルクレンチ RTW200 REFERENCE TORQUE WRENCH	(株)東日製作所 TOHNICHI MFG.CO., LTD	701570Y
トルク基準機 DWTGM25 TORQUE CALIBRATION MACHINE	(株)ミツトヨ(株)大正天びん製作所 MITUTOYO CORPORATION TAISHO BALANCE MFG.	706752B

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Head of Calibration

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Head of Calibration

H. Tsuneyoshi

- Indicate minimum Torque value
- Change measurement points. Minimum - 60% - 100%
- Substitute "Maximum Permissible Relative Deviation" for "Accuracy"
- Indicate Humidity at the Inspection
- Indicate "Effective length" when using a replacement head
- Show "Actual Reading Value" and "Relative Measurement Error %" of each results
- Show the mean value of "Actual Reading" and "Relative Measurement Error %" of each points
- Show "Relative expanded measurement uncertainty" and "Relative measurement uncertainty interval"
- Indicate OK/Fail judgment whether the relative measurement error is within the permissible value
- Indicate the "Maximum Measurement Error" and "Measurement Uncertainty Interval" of the standard Equipment".
- Indicate the inspection Location

The new calibration certificate will be applied to ISO6789:2017 compatible products starting from January 2022, and the previous models will end in 2021

The current models, such as torque screwdrivers, digital torque wrenches and some single torque wrenches keep the current standard JIS B4652 complies with ISO6789:2003.

Technical Data

72

ComparisonChart

2022/1/17

Index	Note	Torque Range			New Model	Torque Range			Certificate	Unit	
		Min.	Max.	Grad.		Min.	Max.	Grad.			
DB	DB1.5N4									Nm	
	DB3N4									Nm	
	End production DB6N4	0.6	6	0.1	DB6N5	0.7	6	0.1	ISO6789-2017	Nm	
	End production DB12N4	1	12	0.2	DB12N5	1.4	12	0.2	ISO6789-2017	Nm	
	End production DB25N	3	25	0.5	DB25N5	3.5	25	0.5	ISO6789-2017	Nm	
	DB50N								ISO6789-2017	Nm	
	DB100N								ISO6789-2017	Nm	
	DB200N								ISO6789-2017	Nm	
	End production DB280N	30	280	5	DB280N5	35	280	5	ISO6789-2017	Nm	
	DB420N								ISO6789-2017	Nm	
DBE	DBE560N								ISO6789-2017	Nm	
	DBE700N								ISO6789-2017	Nm	
	DBE850N								ISO6789-2017	Nm	
	DBE1000N								ISO6789-2017	Nm	
	DBE1400N								ISO6789-2017	Nm	
	DBE2100N								ISO6789-2017	Nm	
End production DBE2800N	300	2800	50	DBE2800N5	350	2800	50	ISO6789-2017	Nm		
DBR	DBR4500N									Nm	
	DBR6000N									Nm	
DB	15DB4									Metric	
	30DB4									Metric	
	End production 60DB4	6	60	1	DB60M5	7	60	1	ISO6789-2017	Metric	
	End production 120DB4	10	120	2	DB120M5	14	120	2	ISO6789-2017	Metric	
	End production 230DB3	30	250	5	DB250M5	35	250	5	ISO6789-2017	Metric	
	End production 450DB3	50	500	5	DB500M	50	500	5	ISO6789-2017	Metric	
	End production 900DB3	100	1000	10	DB1000M	100	1000	10	ISO6789-2017	Metric	
	End production 1800DB3	200	2000	20	DB2000M	200	2000	20	ISO6789-2017	Metric	
	End production 2800DB3	3	28	0.5	DB2800M5	3.5	28	0.5	ISO6789-2017	Metric	
	End production 4200DB2	4	42	0.5	DB4200M	4	42	0.5	ISO6789-2017	Metric	
	DBE	End production 5600DBE2	5	56	0.5	DBE5600M	5	56	0.5	ISO6789-2017	Metric
		End production 7000DBE2	7	70	1	DBE7000M	7	70	1	ISO6789-2017	Metric
		End production 8500DBE2	10	85	1	DBE8500M	10	85	1	ISO6789-2017	Metric
		End production 10000DBE2	10	100	1	DBE10000M	10	100	1	ISO6789-2017	Metric
End production 14000DBE2		20	140	2	DBE14000M	20	140	2	ISO6789-2017	Metric	
End production 21000DBE2		20	210	2	DBE21000M	20	210	2	ISO6789-2017	Metric	
End production 28000DBE2	30	280	5	DBE28000M5	35	280	5	ISO6789-2017	Metric		
DBR	45000DBR									Metric	
	60000DBR									Metric	
DB-S	DB1.5N4-S									Nm	
	DB3N4-S									Nm	
	End production DB6N4-S	0.6	6	0.1	DB6N5-S	0.7	6	0.1	ISO6789-2017	Nm	
	End production DB12N4-S	1	12	0.2	DB12N5-S	1.4	12	0.2	ISO6789-2017	Nm	
	End production DB25N-1/4-S	3	25	0.5	DB25N5-1/4-S	3.5	25	0.5	ISO6789-2017	Nm	
	End production DB25N-S	3	25	0.5	DB25N5-S	3.5	25	0.5	ISO6789-2017	Nm	
	DB50N-S								ISO6789-2017	Nm	
	DB100N-3/8-S								ISO6789-2017	Nm	
	DB100N-S								ISO6789-2017	Nm	
	DB200N-S								ISO6789-2017	Nm	
End production DB280N-1/2-S	30	280	5	DB280N5-1/2-S	35	280	5	ISO6789-2017	Nm		
End production DB280N-S	30	280	5	DB280N5-S	35	280	5	ISO6789-2017	Nm		
DB420N-S								ISO6789-2017	Nm		
DBE-S	DBE560N-S								ISO6789-2017	Nm	
	DBE700N-S								ISO6789-2017	Nm	
	DBE850N-S								ISO6789-2017	Nm	
	DBE1000N-S								ISO6789-2017	Nm	
	DBE1400N-S								ISO6789-2017	Nm	
	DBE2100N-S								ISO6789-2017	Nm	
End production DBE2800N-S	300	2800	50	DBE2800N5-S	350	2800	50	ISO6789-2017	Nm		
DBR-S	DBR4500N-S									Nm	
	DBR6000N-S									Nm	
DB-S	15DB4-S									Metric	
	30DB4-S									Metric	
	End production 60DB4-S	6	60	1	DB60M5-S	7	60	1	ISO6789-2017	Metric	
	End production 120DB4-S	10	120	2	DB120M5-S	14	120	2	ISO6789-2017	Metric	
	End production 230DB3-1/4-S	30	250	5	DB250M5-1/4-S	35	250	5	ISO6789-2017	Metric	
	End production 230DB3-S	30	250	5	DB250M5-S	35	250	5	ISO6789-2017	Metric	
	End production 450DB3-S	50	500	5	DB500M-S	50	500	5	ISO6789-2017	Metric	
	End production 900DB3-3/8-S	100	1000	10	DB1000M-3/8-S	100	1000	10	ISO6789-2017	Metric	
	End production 900DB3-S	100	1000	10	DB1000M-S	100	1000	10	ISO6789-2017	Metric	
	End production 1800DB3-S	200	2000	20	DB2000M-S	200	2000	20	ISO6789-2017	Metric	
	End production 2800DB3-1/2-S	3	28	0.5	DB2800M5-1/2-S	3.5	28	0.5	ISO6789-2017	Metric	
	End production 2800DB3-S	3	28	0.5	DB2800M5-S	3.5	28	0.5	ISO6789-2017	Metric	
	End production 4200DB2-S	4	42	0.5	DB4200M-S	4	42	0.5	ISO6789-2017	Metric	
	DBE-S	End production 5600DBE2-S	5	56	0.5	DBE5600M-S	5	56	0.5	ISO6789-2017	Metric

Index	Note	Torque Range			New Model	Torque Range			Certificate	Unit	
		Min.	Max.	Grad.		Min.	Max.	Grad.			
	End production	7000DBE2-S	7	70	1	DBE7000M-S	7	70	1	ISO6789-2017	Metric
	End production	8500DBE2-S	10	85	1	DBE8500M-S	10	85	1	ISO6789-2017	Metric
	End production	10000DBE2-S	10	100	1	DBE10000M-S	10	100	1	ISO6789-2017	Metric
	End production	14000DBE2-S	20	140	2	DBE14000M-S	20	140	2	ISO6789-2017	Metric
	End production	21000DBE2-S	20	210	2	DBE21000M-S	20	210	2	ISO6789-2017	Metric
	End production	28000DBE2-S	30	280	5	DBE28000M5-S	35	280	5	ISO6789-2017	Metric
DBR-S		45000DBR-S									Metric
		60000DBR-S									Metric
DB-S		DB13I-2AS									American
		DB26I-2AS									American
		DB40I-2AS									American
		DB75I-2AS									American
		DB150I-2AS									American
		DB150I-3AS									American
		DB300I-3AS									American
		DB600I-3AS									American
		DB600I-4AS									American
		DB25F-3AS									American
		DB50F-3AS									American
		DB50F-4AS									American
		DB100F-4AS									American
		DB175F-4AS									American
		DB250F-6AS									American
		DB350F-6AS									American
DBE-S		DB500F-6AS									American
		DB800F-8AS									American
		DB1000F-8AS									American
		DB1500F-8AS									American
		DB2000F-12AS									American
DBR-S		DB3000F-12AS									American
CDB-S		CDB7N4X8D-S								ISO6789-2017	Nm
		CDB14N4X8D-S								ISO6789-2017	Nm
	End production	CDB25NX10D-S	3	25	0.5	CDB25N5X10D-S	3.5	25	0.5	ISO6789-2017	Nm
		CDB50NX12D-S								ISO6789-2017	Nm
		CDB100NX15D-S								ISO6789-2017	Nm
		CDB200NX19D-S								ISO6789-2017	Nm
	End production	CDB300NX22D-S	30	300	5	CDB300N5X22D-S	35	300	5	ISO6789-2017	Nm
		CDB420NX22D-S								ISO6789-2017	Nm
	End production	70CDB4-S	7	70	1	CDB70MX8D-S	7	70	1	ISO6789-2017	Metric
	End production	140CDB4-S	20	140	2	CDB140MX8D-S	20	140	2	ISO6789-2017	Metric
	End production	250CDB-S	30	250	5	CDB250M5X10D-S	35	250	5	ISO6789-2017	Metric
	End production	500CDB-S	50	500	5	CDB500MX12D-S	50	500	5	ISO6789-2017	Metric
	End production	1000CDB-S	100	1000	10	CDB1000MX15D-S	100	1000	10	ISO6789-2017	Metric
	End production	2000CDB-S	200	2000	20	CDB2000MX19D-S	200	2000	20	ISO6789-2017	Metric
	End production	3000CDB-S	3	30	0.5	CDB3000M5X22D-S	3.5	30	0.5	ISO6789-2017	Metric
	End production	4200CDB-S	4	42	0.5	CDB4200MX22D-S	4	42	0.5	ISO6789-2017	Metric
		70CDB4-A-S									American
		140CDB4-A-S									American
		250CDB-A-S									American
		500CDB-A-S									American
		1000CDB-A-S									American
		2000CDB-A-S									American
		3000CDB-A-S									American
		4200CDB-A-S									American
SCDB-S	End production	SCDB25N-9X12-S	3	25	0.5	SCDB25N5-9X12-S	3.5	25	0.5	ISO6789-2017	Nm
		SCDB50N-9X12-S								ISO6789-2017	Nm
		SCDB100N-9X12-S								ISO6789-2017	Nm
		SCDB200N-14X18-S								ISO6789-2017	Nm
T-S	End production	T23N-S	3	23	0.5	T23N2-S	3.5	23	0.5	ISO6789-2017	Nm
		T45N-S								ISO6789-2017	Nm
		T90N-S								ISO6789-2017	Nm
		T180N-S								ISO6789-2017	Nm
		T700N-S									Nm
		T1000N-S									Nm
		T1400N-S									Nm
		T2100N-S									Nm
		T2800N-S									Nm
		T4200N-S									Nm
	End production	230T-S	30	230	5	T230M2-S	35	230	5	ISO6789-2017	Metric
	End production	450T-S	50	450	5	T450M-S	50	450	5	ISO6789-2017	Metric
	End production	900T-S	100	900	10	T900M-S	100	900	10	ISO6789-2017	Metric
	End production	1800T-S	200	1800	20	T1800M-S	200	1800	20	ISO6789-2017	Metric
		7000T-S									Metric
		10000T-S									Metric
		14000T-S									Metric

Index	Note	Torque Range			New Model	Torque Range			Certificate	Unit
		Min.	Max.	Grad.		Min.	Max.	Grad.		
	21000T-S									Metric
	28000T-S									Metric
	42000T-S									Metric
	T200I-3AS									American
	T400I-3AS									American
	T65F-4AS									American
	T130F-4AS									American
	7000T-A-S									American
	10000T-A-S									American
	14000T-A-S									American
	21000T-A-S									American
	28000T-A-S									American
	42000T-A-S									American

Products Details

2022/1/17

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
QL QL2N	×	Nm	Torque Wrench
QL5N	×	Nm	Torque Wrench
QL10N	○	Nm	Torque Wrench
QL15N	○	Nm	Torque Wrench
QL25N5-1/4	○	Nm	Torque Wrench
QL25N5	○	Nm	Torque Wrench
QL50N	○	Nm	Torque Wrench
QL100N4-3/8	○	Nm	Torque Wrench
QL100N4	○	Nm	Torque Wrench
QL140N	○	Nm	Torque Wrench
QL200N4	○	Nm	Torque Wrench
QL280N-1/2	○	Nm	Torque Wrench
QL280N	○	Nm	Torque Wrench
QL420N	○	Nm	Torque Wrench
QLE QLE550N2	○	Nm	Torque Wrench
QLE750N2	○	Nm	Torque Wrench
QLE1000N2	○	Nm	Torque Wrench
QLE1400N2	○	Nm	Torque Wrench
QLE2100N2	○	Nm	Torque Wrench
QLE2800N2	○	Nm	Torque Wrench
QL 20QL	×	Metric	Torque Wrench
50QL	×	Metric	Torque Wrench
100QL	○	Metric	Torque Wrench
150QL	○	Metric	Torque Wrench
225QL5-1/4	○	Metric	Torque Wrench
225QL5	○	Metric	Torque Wrench
450QL3	○	Metric	Torque Wrench
900QL4-3/8	○	Metric	Torque Wrench
900QL4	○	Metric	Torque Wrench
1400QL3	○	Metric	Torque Wrench
1800QL4	○	Metric	Torque Wrench
2800QL3-1/2	○	Metric	Torque Wrench
2800QL3	○	Metric	Torque Wrench
4200QL2	○	Metric	Torque Wrench
QLE 5500QLE2	○	Metric	Torque Wrench
7500QLE2	○	Metric	Torque Wrench
10000QLE2	○	Metric	Torque Wrench
14000QLE2	○	Metric	Torque Wrench
21000QLE2	○	Metric	Torque Wrench
28000QLE2	○	Metric	Torque Wrench
QL QL15I-2A	×	American	Torque Wrench
QL30I-2A	×	American	Torque Wrench
QL50I-2A	×	American	Torque Wrench
QL100I-2A	×	American	Torque Wrench
QL200I-2A	×	American	Torque Wrench
QL200I-3A	×	American	Torque Wrench
QL400I-3A	×	American	Torque Wrench
QL750I-3A	×	American	Torque Wrench
QL75F-3A	×	American	Torque Wrench
QL100F-4A	×	American	Torque Wrench
QL150F-4A	×	American	Torque Wrench
QL200F-4A	×	American	Torque Wrench
QL300F-6A	×	American	Torque Wrench
QLE QLE400F-6A	×	American	Torque Wrench
QLE600F-6A	×	American	Torque Wrench
QLE700F-8A	×	American	Torque Wrench
QLE1000F-8A	×	American	Torque Wrench
QLE1500F-8A	×	American	Torque Wrench
QLE2000F-12A	×	American	Torque Wrench
QL-MH QL2N-MH	×	Nm	Torque Wrench
QL5N-MH	×	Nm	Torque Wrench
QL10N-MH	○	Nm	Torque Wrench
QL15N-MH	○	Nm	Torque Wrench
QL25N-MH	○	Nm	Torque Wrench
QL50N-MH	○	Nm	Torque Wrench
QL100N4-MH	○	Nm	Torque Wrench
QL140N-MH	○	Nm	Torque Wrench
QL200N4-MH	○	Nm	Torque Wrench
QL280N-MH	○	Nm	Torque Wrench
20QL-MH	×	Metric	Torque Wrench
50QL-MH	×	Metric	Torque Wrench
100QL-MH	○	Metric	Torque Wrench
150QL-MH	○	Metric	Torque Wrench
225QL-MH	○	Metric	Torque Wrench
450QL-MH	○	Metric	Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	900QL4-MH	○	Metric Torque Wrench
	1400QL-MH	○	Metric Torque Wrench
	1800QL4-MH	○	Metric Torque Wrench
	2800QL-MH	○	Metric Torque Wrench
	QL15I-2A-MH	×	American Torque Wrench
	QL30I-2A-MH	×	American Torque Wrench
	QL50I-2A-MH	×	American Torque Wrench
	QL100I-2A-MH	×	American Torque Wrench
CL	CL2NX8D	×	Nm Torque Wrench
	CL5NX8D	×	Nm Torque Wrench
	CL10NX8D	○	Nm Torque Wrench
	CL15NX8D	○	Nm Torque Wrench
	CL25N5X10D	○	Nm Torque Wrench
	CL50NX12D	○	Nm Torque Wrench
	CL50NX15D	○	Nm Torque Wrench
	CL100NX15D	○	Nm Torque Wrench
	CL140NX15D	○	Nm Torque Wrench
	CL200NX19D	○	Nm Torque Wrench
	CL280NX22D	○	Nm Torque Wrench
	CL420NX22D	○	Nm Torque Wrench
CLE	CLE550N2X27D	○	Nm Torque Wrench
	CLE750N2X27D	○	Nm Torque Wrench
	CLE850N2X32D	○	Nm Torque Wrench
	CLE1200N2X32D	○	Nm Torque Wrench
CL	20CL	×	Metric Torque Wrench
	50CL	×	Metric Torque Wrench
	100CL	○	Metric Torque Wrench
	150CL	○	Metric Torque Wrench
	225CL5	○	Metric Torque Wrench
	450CL3	○	Metric Torque Wrench
	500CL3	○	Metric Torque Wrench
	900CL3	○	Metric Torque Wrench
	1400CL3	○	Metric Torque Wrench
	1800CL3	○	Metric Torque Wrench
	2800CL3	○	Metric Torque Wrench
	4200CL2	○	Metric Torque Wrench
CLE	550CLE2	○	Metric Torque Wrench
	750CLE2	○	Metric Torque Wrench
	850CLE2	○	Metric Torque Wrench
	1200CLE2	○	Metric Torque Wrench
CL	CL15IX8D	×	American Torque Wrench
	CL30IX8D	×	American Torque Wrench
	CL50IX8D	×	American Torque Wrench
	CL100IX8D	×	American Torque Wrench
	CL200IX10D	×	American Torque Wrench
	450CL3-A	×	American Torque Wrench
	500CL3-A	×	American Torque Wrench
	900CL3-A	×	American Torque Wrench
	1400CL3-A	×	American Torque Wrench
	1800CL3-A	×	American Torque Wrench
	2800CL3-A	×	American Torque Wrench
	4200CL2-A	×	American Torque Wrench
CLE	CLE400FX27D	×	American Torque Wrench
	CLE550FX27D	×	American Torque Wrench
	CLE600FX32D	×	American Torque Wrench
	CLE900FX32D	×	American Torque Wrench
CL-MH	CL2NX8D-MH	×	Nm Torque Wrench
	CL5NX8D-MH	×	Nm Torque Wrench
	CL10NX8D-MH	○	Nm Torque Wrench
	CL15NX8D-MH	○	Nm Torque Wrench
	CL25NX10D-MH	○	Nm Torque Wrench
	CL50NX12D-MH	○	Nm Torque Wrench
	CL50NX15D-MH	○	Nm Torque Wrench
	CL100NX15D-MH	○	Nm Torque Wrench
	CL140NX15D-MH	○	Nm Torque Wrench
	CL200NX19D-MH	○	Nm Torque Wrench
	CL280NX22D-MH	○	Nm Torque Wrench
	20CL-MH	×	Metric Torque Wrench
	50CL-MH	×	Metric Torque Wrench
	100CL-MH	○	Metric Torque Wrench
	150CL-MH	○	Metric Torque Wrench
	225CL-MH	○	Metric Torque Wrench
	450CL-MH	○	Metric Torque Wrench
	500CL-MH	○	Metric Torque Wrench
	900CL-MH	○	Metric Torque Wrench
	1400CL-MH	○	Metric Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	1800CL-MH	○	Metric Torque Wrench
	2800CL-MH	○	Metric Torque Wrench
	CL151X8D-MH	×	American Torque Wrench
	CL301X8D-MH	×	American Torque Wrench
	CL501X8D-MH	×	American Torque Wrench
	CL1001X8D-MH	×	American Torque Wrench
DQL	DQL200N4	○	Nm Torque Wrench
	DQL280N	○	Nm Torque Wrench
DQLE	DQLE550N2	○	Nm Torque Wrench
	DQLE750N2	○	Nm Torque Wrench
	DQLE1000N2	○	Nm Torque Wrench
DQL	1800DQL4	○	Metric Torque Wrench
	2800DQL3	○	Metric Torque Wrench
DQLE	5500DQLE2	○	Metric Torque Wrench
	7500DQLE2	○	Metric Torque Wrench
	10000DQLE2	○	Metric Torque Wrench
DQL	1800DQL4-A	×	American Torque Wrench
	2800DQL3-A	×	American Torque Wrench
DQLE	DQLE400F-6A	×	American Torque Wrench
	DQLE600F-6A	×	American Torque Wrench
	DQLE700F-8A	×	American Torque Wrench
TW2	TW750N2	×	Nm Torque Wrench
	TW1000N2	×	Nm Torque Wrench
MTQL	MTQL40N	×	Nm Torque Wrench
	MTQL70N	×	Nm Torque Wrench
	MTQL140N	×	Nm Torque Wrench
	400MTQL	×	Metric Torque Wrench
	700MTQL	×	Metric Torque Wrench
	1400MTQL	×	Metric Torque Wrench
MT	MT70N	×	Nm Torque Wrench
TiQL	TiQL180N	○	Nm Torque Wrench
	TiLQL180N	○	Nm Torque Wrench
	TiEQL360N	○	Nm Torque Wrench
	TiEQLE750N	○	Nm Torque Wrench
	TiEQLE1400N	○	Nm Torque Wrench
	1800TiQL	○	Metric Torque Wrench
	1800TiLQL	○	Metric Torque Wrench
	3600TiEQL	○	Metric Torque Wrench
	7500TiEQLE	○	Metric Torque Wrench
	14000TiEQLE	○	Metric Torque Wrench
PHL	PHL50N	×	Nm Torque Wrench
	PHL100N	×	Nm Torque Wrench
	PHL140N	×	Nm Torque Wrench
	PHL200N	×	Nm Torque Wrench
	PHL280N	×	Nm Torque Wrench
	PHL420N	×	Nm Torque Wrench
PHLE	PHLE850N2	×	Nm Torque Wrench
	PHLE1300N2	×	Nm Torque Wrench
PHL	500PHL3	×	Metric Torque Wrench
	900PHL3	×	Metric Torque Wrench
	1400PHL3	×	Metric Torque Wrench
	1800PHL3	×	Metric Torque Wrench
	2800PHL3	×	Metric Torque Wrench
	4200PHL	×	Metric Torque Wrench
PHLE	8500PHLE2	×	Metric Torque Wrench
	13000PHLE2	×	Metric Torque Wrench
PHL	450PHL3-A	×	American Torque Wrench
	900PHL3-A	×	American Torque Wrench
	1400PHL3-A	×	American Torque Wrench
	1800PHL3-A	×	American Torque Wrench
	2800PHL3-A	×	American Torque Wrench
	4200PHL-A	×	American Torque Wrench
PHLE	PHLE600F	×	American Torque Wrench
	PHLE900F	×	American Torque Wrench
YCL2	YCL10N2X10D	○	Nm Torque Wrench
	YCL20N2X10D	○	Nm Torque Wrench
	YCL40N2X12D	○	Nm Torque Wrench
	YCL70N2X12D	○	Nm Torque Wrench
	YCL90N2X15D	○	Nm Torque Wrench
	YCL140N2X15D	○	Nm Torque Wrench
	YCL180N2X19D	○	Nm Torque Wrench
	100YCL2	○	Metric Torque Wrench
	200YCL2	○	Metric Torque Wrench
	400YCL2	○	Metric Torque Wrench
	700YCL2	○	Metric Torque Wrench
	900YCL2	○	Metric Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	1400YCL2	○	Metric Torque Wrench
	1800YCL2	○	Metric Torque Wrench
	YCL100I	×	American Torque Wrench
	YCL200I	×	American Torque Wrench
	YCL400I	×	American Torque Wrench
	YCL600I	×	American Torque Wrench
	YCL750I	×	American Torque Wrench
	YCL1000I	×	American Torque Wrench
	YCL100F	×	American Torque Wrench
	YCL150F	×	American Torque Wrench
PQL	PQL5N	×	Nm Torque Wrench
	PQL10N	○	Nm Torque Wrench
	PQL15N	○	Nm Torque Wrench
	PQL25N	○	Nm Torque Wrench
	PQL50N	○	Nm Torque Wrench
	PQL100N4	○	Nm Torque Wrench
	PQL140N	○	Nm Torque Wrench
	PQL200N4	○	Nm Torque Wrench
	PQL280N	○	Nm Torque Wrench
	PQL420N	○	Nm Torque Wrench
	50PQL	×	Metric Torque Wrench
	100PQL	○	Metric Torque Wrench
	150PQL	○	Metric Torque Wrench
	225PQL	○	Metric Torque Wrench
	450PQL	○	Metric Torque Wrench
	900PQL4	○	Metric Torque Wrench
	1400PQL	○	Metric Torque Wrench
	1800PQL4	○	Metric Torque Wrench
	2800PQL	○	Metric Torque Wrench
	4200PQL	○	Metric Torque Wrench
	PQL50I-2A	×	American Torque Wrench
	PQL100I-2A	×	American Torque Wrench
	225PQL-A	×	American Torque Wrench
	450PQL-A	×	American Torque Wrench
	900PQL4-A	×	American Torque Wrench
	1400PQL-A	×	American Torque Wrench
	1800PQL4-A	×	American Torque Wrench
	2800PQL-A	×	American Torque Wrench
	4200PQL-A	×	American Torque Wrench
PCL	PCL5NX8D	×	Nm Torque Wrench
	PCL10NX8D	○	Nm Torque Wrench
	PCL15NX8D	○	Nm Torque Wrench
	PCL25NX10D	○	Nm Torque Wrench
	PCL50NX12D	○	Nm Torque Wrench
	PCL50NX15D	○	Nm Torque Wrench
	PCL100NX15D	○	Nm Torque Wrench
	PCL140NX15D	○	Nm Torque Wrench
	PCL200NX19D	○	Nm Torque Wrench
	50PCL	×	Metric Torque Wrench
	100PCL	○	Metric Torque Wrench
	150PCL	○	Metric Torque Wrench
	225PCL	○	Metric Torque Wrench
	450PCL	○	Metric Torque Wrench
	500PCL	○	Metric Torque Wrench
	900PCL	○	Metric Torque Wrench
	1400PCL	○	Metric Torque Wrench
	1800PCL	○	Metric Torque Wrench
	PCL50IX8D	×	American Torque Wrench
	PCL100IX8D	×	American Torque Wrench
	225PCL-A	×	American Torque Wrench
	450PCL-A	×	American Torque Wrench
	500PCL-A	×	American Torque Wrench
	900PCL-A	×	American Torque Wrench
	1400PCL-A	×	American Torque Wrench
	1800PCL-A	×	American Torque Wrench
SCL	SCL25N-9X12	○	Nm Torque Wrench
	SCL50N-9X12	○	Nm Torque Wrench
	SCL100N-9X12	○	Nm Torque Wrench
	SCL200N-14X18	○	Nm Torque Wrench
CLWP	CLWP15NX10D	○	Nm Torque Wrench
	CLWP25NX10D	○	Nm Torque Wrench
	CLWP50NX12D	○	Nm Torque Wrench
	CLWP100NX15D	○	Nm Torque Wrench
	CLWP140NX15D	○	Nm Torque Wrench
	CLWP200NX19D	○	Nm Torque Wrench
QSP	QSP1.5N4	×	Preset Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	QSP3N4	×	Preset Torque Wrench
	QSP6N4	○	Preset Torque Wrench
	QSP12N4	○	Preset Torque Wrench
	QSP25N3-1/4	○	Preset Torque Wrench
	QSP25N3	○	Preset Torque Wrench
	QSP50N3	○	Preset Torque Wrench
	QSP100N4-3/8	○	Preset Torque Wrench
	QSP100N4	○	Preset Torque Wrench
	QSP140N3	○	Preset Torque Wrench
	QSP200N4	○	Preset Torque Wrench
	QSP280N3-1/2	○	Preset Torque Wrench
	QSP280N3	○	Preset Torque Wrench
	QSP420N3	○	Preset Torque Wrench
QSP-MH	QSP25N3-MH	○	Preset Torque Wrench
	QSP50N3-MH	○	Preset Torque Wrench
	QSP100N4-MH	○	Preset Torque Wrench
	QSP140N3-MH	○	Preset Torque Wrench
BQSP	BQSP10N	○	Preset Torque Wrench
	BQSP20N	○	Preset Torque Wrench
	BQSP40N	○	Preset Torque Wrench
	BQSP70N	○	Preset Torque Wrench
	BQSP120N	○	Preset Torque Wrench
	BQSP220N	○	Preset Torque Wrench
	BQSP300N	○	Preset Torque Wrench
	BQSP400N	○	Preset Torque Wrench
CSP	CSP1.5N4X8D	×	Preset Torque Wrench
	CSP3N4X8D	×	Preset Torque Wrench
	CSP6N4X8D	○	Preset Torque Wrench
	CSP12N4X8D	○	Preset Torque Wrench
	CSP25N3X10D	○	Preset Torque Wrench
	CSP50N3X12D	○	Preset Torque Wrench
	CSP50N3X15D	○	Preset Torque Wrench
	CSP100N3X15D	○	Preset Torque Wrench
	CSP140N3X15D	○	Preset Torque Wrench
	CSP200N3X19D	○	Preset Torque Wrench
	CSP280N3X22D	○	Preset Torque Wrench
	CSP420N3X22D	○	Preset Torque Wrench
CSP-MH	CSP25N3X10D-MH	○	Preset Torque Wrench
	CSP50N3X12D-MH	○	Preset Torque Wrench
	CSP50N3X15D-MH	○	Preset Torque Wrench
	CSP100N3X15D-MH	○	Preset Torque Wrench
	CSP140N3X15D-MH	○	Preset Torque Wrench
BCSP	BCSP10NX8D	○	Preset Torque Wrench
	BCSP20NX10D	○	Preset Torque Wrench
	BCSP40NX12D	○	Preset Torque Wrench
	BCSP70NX12D	○	Preset Torque Wrench
	BCSP70NX15D	○	Preset Torque Wrench
	BCSP120NX15D	○	Preset Torque Wrench
	BCSP220NX19D	○	Preset Torque Wrench
	BCSP300NX22D	○	Preset Torque Wrench
	BCSP400NX22D	○	Preset Torque Wrench
SCSP	SCSP25N-9X12	○	Preset Torque Wrench
	SCSP50N-9X12	○	Preset Torque Wrench
	SCSP100N-9X12	○	Preset Torque Wrench
	SCSP200N-14X18	○	Preset Torque Wrench
QSPCA	QSPCA6N	○	Preset Torque Wrench
	QSPCA12N	○	Preset Torque Wrench
	QSPCA30N	○	Preset Torque Wrench
	QSPCA70N	○	Preset Torque Wrench
PQLZ	PQLZ25N	○	Nm Torque Wrench
	PQLZ100N4	○	Nm Torque Wrench
QSPZ	QSPZ25N	○	Preset Torque Wrench
	QSPZ100N4	○	Preset Torque Wrench
SP2	SP2N2X5.5	×	Preset Torque Wrench
	SP2N2X7	×	Preset Torque Wrench
	SP2N2X8	×	Preset Torque Wrench
	SP2N2X10	×	Preset Torque Wrench
	SP2N2X12	×	Preset Torque Wrench
	SP2N2X13	×	Preset Torque Wrench
	SP2N2X17	×	Preset Torque Wrench
	SP2N2X19	×	Preset Torque Wrench
	SP8N2X7	○	Preset Torque Wrench
	SP8N2X8	○	Preset Torque Wrench
	SP8N2X9	○	Preset Torque Wrench
	SP8N2X10	○	Preset Torque Wrench
	SP8N2X12	○	Preset Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
SP8N2X13	○	Preset	Torque Wrench
SP8N2X19	○	Preset	Torque Wrench
SP8N2X24	○	Preset	Torque Wrench
SP8N2X27	○	Preset	Torque Wrench
SP19N2X10	○	Preset	Torque Wrench
SP19N2X11	○	Preset	Torque Wrench
SP19N2X12	○	Preset	Torque Wrench
SP19N2X13	○	Preset	Torque Wrench
SP19N2X14	○	Preset	Torque Wrench
SP19N2X17	○	Preset	Torque Wrench
SP19N2X19	○	Preset	Torque Wrench
SP19N2X21	○	Preset	Torque Wrench
SP19N2-1X10	○	Preset	Torque Wrench
SP19N2-2X10	○	Preset	Torque Wrench
SP19N2-3X10	○	Preset	Torque Wrench
SP38N2X8	○	Preset	Torque Wrench
SP38N2X9	○	Preset	Torque Wrench
SP38N2X10	○	Preset	Torque Wrench
SP38N2X11	○	Preset	Torque Wrench
SP38N2X12	○	Preset	Torque Wrench
SP38N2X13	○	Preset	Torque Wrench
SP38N2X14	○	Preset	Torque Wrench
SP38N2X16	○	Preset	Torque Wrench
SP38N2X17	○	Preset	Torque Wrench
SP38N2X19	○	Preset	Torque Wrench
SP38N2X22	○	Preset	Torque Wrench
SP38N2X24	○	Preset	Torque Wrench
SP38N2X27	○	Preset	Torque Wrench
SP38N2-1X10	○	Preset	Torque Wrench
SP38N2-2X10	○	Preset	Torque Wrench
SP38N2-3X10	○	Preset	Torque Wrench
SP67N2X14	○	Preset	Torque Wrench
SP67N2X16	○	Preset	Torque Wrench
SP67N2X17	○	Preset	Torque Wrench
SP67N2X18	○	Preset	Torque Wrench
SP67N2X19	○	Preset	Torque Wrench
SP67N2X21	○	Preset	Torque Wrench
SP67N2X22	○	Preset	Torque Wrench
SP67N2X24	○	Preset	Torque Wrench
SP67N2X27	○	Preset	Torque Wrench
SP67N2X29	○	Preset	Torque Wrench
SP67N2X30	○	Preset	Torque Wrench
SP67N2X32	○	Preset	Torque Wrench
SP67N2X33.3	○	Preset	Torque Wrench
SP120N2X14	○	Preset	Torque Wrench
SP120N2X17	○	Preset	Torque Wrench
SP120N2X18	○	Preset	Torque Wrench
SP120N2X19	○	Preset	Torque Wrench
SP120N2X21	○	Preset	Torque Wrench
SP120N2X22	○	Preset	Torque Wrench
SP120N2X23	○	Preset	Torque Wrench
SP120N2X24	○	Preset	Torque Wrench
SP120N2X27	○	Preset	Torque Wrench
SP120N2X30	○	Preset	Torque Wrench
SP160N2X19	○	Preset	Torque Wrench
SP160N2X21	○	Preset	Torque Wrench
SP160N2X22	○	Preset	Torque Wrench
SP160N2X24	○	Preset	Torque Wrench
SP160N2X26	○	Preset	Torque Wrench
SP160N2X27	○	Preset	Torque Wrench
SP160N2X41	○	Preset	Torque Wrench
SP220N2X19	○	Preset	Torque Wrench
SP220N2X22	○	Preset	Torque Wrench
SP220N2X24	○	Preset	Torque Wrench
SP220N2X27	○	Preset	Torque Wrench
SP220N2X29	○	Preset	Torque Wrench
SP220N2X30	○	Preset	Torque Wrench
SP220N2X32	○	Preset	Torque Wrench
SP220N2X34	○	Preset	Torque Wrench
SP220N2X36	○	Preset	Torque Wrench
SP310N2X22	○	Preset	Torque Wrench
SP310N2X24	○	Preset	Torque Wrench
SP310N2X27	○	Preset	Torque Wrench
SP310N2X30	○	Preset	Torque Wrench
SP310N2X32	○	Preset	Torque Wrench
SP310N2X41	○	Preset	Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	SP310N2X46	○	Preset Torque Wrench
SP	SP420NX27	○	Preset Torque Wrench
	SP420NX30	○	Preset Torque Wrench
	SP420NX32	○	Preset Torque Wrench
	SP420NX34	○	Preset Torque Wrench
	SP420NX35	○	Preset Torque Wrench
	SP420NX36	○	Preset Torque Wrench
	SP560NX30	○	Preset Torque Wrench
	SP560NX32	○	Preset Torque Wrench
	SP560NX36	○	Preset Torque Wrench
	SP560NX46	○	Preset Torque Wrench
	SP560NX55	○	Preset Torque Wrench
RSP2	RSP8N2X8	○	Preset Torque Wrench
	RSP8N2X10	○	Preset Torque Wrench
	RSP19N2X8	○	Preset Torque Wrench
	RSP19N2X10	○	Preset Torque Wrench
	RSP19N2X13	○	Preset Torque Wrench
	RSP38N2X10	○	Preset Torque Wrench
	RSP38N2X12	○	Preset Torque Wrench
	RSP38N2X13	○	Preset Torque Wrench
	RSP38N2X14	○	Preset Torque Wrench
	RSP38N2X16	○	Preset Torque Wrench
	RSP38N2X17	○	Preset Torque Wrench
	RSP67N2X14	○	Preset Torque Wrench
	RSP67N2X16	○	Preset Torque Wrench
	RSP67N2X17	○	Preset Torque Wrench
	RSP67N2X18	○	Preset Torque Wrench
	RSP67N2X19	○	Preset Torque Wrench
	RSP120N2X17	○	Preset Torque Wrench
	RSP120N2X18	○	Preset Torque Wrench
	RSP120N2X19	○	Preset Torque Wrench
	RSP120N2X21	○	Preset Torque Wrench
	RSP120N2X22	○	Preset Torque Wrench
	RSP160N2X19	○	Preset Torque Wrench
	RSP160N2X21	○	Preset Torque Wrench
	RSP160N2X22	○	Preset Torque Wrench
	RSP160N2X24	○	Preset Torque Wrench
	RSP220N2X22	○	Preset Torque Wrench
	RSP220N2X24	○	Preset Torque Wrench
	RSP220N2X27	○	Preset Torque Wrench
	RSP310N2X24	○	Preset Torque Wrench
	RSP310N2X27	○	Preset Torque Wrench
	RSP310N2X30	○	Preset Torque Wrench
SP2N	SP19N2-1X10N	○	Preset Torque Wrench
	SP19N2-3X10N	○	Preset Torque Wrench
	SP19N2-4X10N	○	Preset Torque Wrench
	SP19N2-5X10N	○	Preset Torque Wrench
	SP19N2-9X10N	○	Preset Torque Wrench
	SP38N2X14N	○	Preset Torque Wrench
SP2-MH	SP19N2X10-MH	○	Preset Torque Wrench
	SP19N2X11-MH	○	Preset Torque Wrench
	SP19N2X12-MH	○	Preset Torque Wrench
	SP19N2X13-MH	○	Preset Torque Wrench
	SP19N2X14-MH	○	Preset Torque Wrench
	SP19N2X17-MH	○	Preset Torque Wrench
	SP19N2X19-MH	○	Preset Torque Wrench
	SP19N2X21-MH	○	Preset Torque Wrench
	SP19N2-1X10-MH	○	Preset Torque Wrench
	SP19N2-2X10-MH	○	Preset Torque Wrench
	SP19N2-3X10-MH	○	Preset Torque Wrench
	SP38N2X8-MH	○	Preset Torque Wrench
	SP38N2X9-MH	○	Preset Torque Wrench
	SP38N2X10-MH	○	Preset Torque Wrench
	SP38N2X11-MH	○	Preset Torque Wrench
	SP38N2X12-MH	○	Preset Torque Wrench
	SP38N2X13-MH	○	Preset Torque Wrench
	SP38N2X14-MH	○	Preset Torque Wrench
	SP38N2X16-MH	○	Preset Torque Wrench
	SP38N2X17-MH	○	Preset Torque Wrench
	SP38N2X19-MH	○	Preset Torque Wrench
	SP38N2X22-MH	○	Preset Torque Wrench
	SP38N2X24-MH	○	Preset Torque Wrench
	SP38N2X27-MH	○	Preset Torque Wrench
	SP38N2-1X10-MH	○	Preset Torque Wrench
	SP38N2-2X10-MH	○	Preset Torque Wrench
	SP38N2-3X10-MH	○	Preset Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	SP67N2X14-MH	○	Preset Torque Wrench
	SP67N2X16-MH	○	Preset Torque Wrench
	SP67N2X17-MH	○	Preset Torque Wrench
	SP67N2X18-MH	○	Preset Torque Wrench
	SP67N2X19-MH	○	Preset Torque Wrench
	SP67N2X21-MH	○	Preset Torque Wrench
	SP67N2X22-MH	○	Preset Torque Wrench
	SP67N2X24-MH	○	Preset Torque Wrench
	SP67N2X27-MH	○	Preset Torque Wrench
	SP67N2X29-MH	○	Preset Torque Wrench
	SP67N2X30-MH	○	Preset Torque Wrench
	SP67N2X32-MH	○	Preset Torque Wrench
	SP67N2X33.3-MH	○	Preset Torque Wrench
	SP120N2X14-MH	○	Preset Torque Wrench
	SP120N2X17-MH	○	Preset Torque Wrench
	SP120N2X18-MH	○	Preset Torque Wrench
	SP120N2X19-MH	○	Preset Torque Wrench
	SP120N2X21-MH	○	Preset Torque Wrench
	SP120N2X22-MH	○	Preset Torque Wrench
	SP120N2X23-MH	○	Preset Torque Wrench
	SP120N2X24-MH	○	Preset Torque Wrench
	SP120N2X27-MH	○	Preset Torque Wrench
	SP120N2X30-MH	○	Preset Torque Wrench
	SP160N2X19-MH	○	Preset Torque Wrench
	SP160N2X21-MH	○	Preset Torque Wrench
	SP160N2X22-MH	○	Preset Torque Wrench
	SP160N2X24-MH	○	Preset Torque Wrench
	SP160N2X26-MH	○	Preset Torque Wrench
	SP160N2X27-MH	○	Preset Torque Wrench
	SP160N2X41-MH	○	Preset Torque Wrench
	SP220N2X19-MH	○	Preset Torque Wrench
	SP220N2X22-MH	○	Preset Torque Wrench
	SP220N2X24-MH	○	Preset Torque Wrench
	SP220N2X27-MH	○	Preset Torque Wrench
	SP220N2X29-MH	○	Preset Torque Wrench
	SP220N2X30-MH	○	Preset Torque Wrench
	SP220N2X32-MH	○	Preset Torque Wrench
	SP220N2X34-MH	○	Preset Torque Wrench
	SP220N2X36-MH	○	Preset Torque Wrench
	SP310N2X22-MH	○	Preset Torque Wrench
	SP310N2X24-MH	○	Preset Torque Wrench
	SP310N2X27-MH	○	Preset Torque Wrench
	SP310N2X30-MH	○	Preset Torque Wrench
	SP310N2X32-MH	○	Preset Torque Wrench
	SP310N2X41-MH	○	Preset Torque Wrench
	SP310N2X46-MH	○	Preset Torque Wrench
RSP2-MH	RSP19N2X8-MH	○	Preset Torque Wrench
	RSP19N2X10-MH	○	Preset Torque Wrench
	RSP19N2X13-MH	○	Preset Torque Wrench
	RSP38N2X10-MH	○	Preset Torque Wrench
	RSP38N2X12-MH	○	Preset Torque Wrench
	RSP38N2X13-MH	○	Preset Torque Wrench
	RSP38N2X14-MH	○	Preset Torque Wrench
	RSP38N2X16-MH	○	Preset Torque Wrench
	RSP38N2X17-MH	○	Preset Torque Wrench
	RSP67N2X14-MH	○	Preset Torque Wrench
	RSP67N2X16-MH	○	Preset Torque Wrench
	RSP67N2X17-MH	○	Preset Torque Wrench
	RSP67N2X18-MH	○	Preset Torque Wrench
	RSP67N2X19-MH	○	Preset Torque Wrench
	RSP120N2X17-MH	○	Preset Torque Wrench
	RSP120N2X18-MH	○	Preset Torque Wrench
	RSP120N2X19-MH	○	Preset Torque Wrench
	RSP120N2X21-MH	○	Preset Torque Wrench
	RSP120N2X22-MH	○	Preset Torque Wrench
	RSP160N2X19-MH	○	Preset Torque Wrench
	RSP160N2X21-MH	○	Preset Torque Wrench
	RSP160N2X22-MH	○	Preset Torque Wrench
	RSP160N2X24-MH	○	Preset Torque Wrench
	RSP220N2X22-MH	○	Preset Torque Wrench
	RSP220N2X24-MH	○	Preset Torque Wrench
	RSP220N2X27-MH	○	Preset Torque Wrench
	RSP310N2X24-MH	○	Preset Torque Wrench
	RSP310N2X27-MH	○	Preset Torque Wrench
	RSP310N2X30-MH	○	Preset Torque Wrench
SP2N-MH	SP19N2-1X10N-MH	○	Preset Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	SP19N2-3X10N-MH	○	Preset Torque Wrench
	SP19N2-4X10N-MH	○	Preset Torque Wrench
	SP19N2-5X10N-MH	○	Preset Torque Wrench
	SP19N2-9X10N-MH	○	Preset Torque Wrench
	SP38N2X14N-MH	○	Preset Torque Wrench
SP2H	SP38N2X14H	○	Preset Torque Wrench
	SP38N2X19H	○	Preset Torque Wrench
	SP67N2X27H	○	Preset Torque Wrench
SP2H-MH	SP120N2X32H-MH	○	Preset Torque Wrench
QRSP	QRSP38NX17	○	Preset Torque Wrench
	QRSP38NX19	○	Preset Torque Wrench
	QRSP38NX21	○	Preset Torque Wrench
	QRSP38NX24	○	Preset Torque Wrench
NSP	NSP100CNX8	×	Preset Torque Wrench
QLMS	QLMS10N	○	Nm Torque Wrench
	QLMS15N	○	Nm Torque Wrench
QLLS	QLLS25N5	○	Nm Torque Wrench
	QLLS50N	○	Nm Torque Wrench
	QLLS100N4	○	Nm Torque Wrench
	QLLS140N	○	Nm Torque Wrench
	QLLS200N4	○	Nm Torque Wrench
	QLLS280N	○	Nm Torque Wrench
	QLLS420N	○	Nm Torque Wrench
QLMS	100QLMS	○	Metric Torque Wrench
	150QLMS	○	Metric Torque Wrench
QLLS	225QL5LS	○	Metric Torque Wrench
	450QL3LS	○	Metric Torque Wrench
	900QL4LS	○	Metric Torque Wrench
	1400QL3LS	○	Metric Torque Wrench
	1800QL4LS	○	Metric Torque Wrench
	2800QL3LS	○	Metric Torque Wrench
	4200QL2LS	○	Metric Torque Wrench
QLMS-MH	QLMS2N-MH	×	Nm Torque Wrench
	QLMS5N-MH	×	Nm Torque Wrench
	QLMS10N-MH	○	Nm Torque Wrench
	QLMS15N-MH	○	Nm Torque Wrench
	20QLMS-MH	×	Metric Torque Wrench
	50QLMS-MH	×	Metric Torque Wrench
	100QLMS-MH	○	Metric Torque Wrench
	150QLMS-MH	○	Metric Torque Wrench
CLMS	CLMS10NX8D	○	Nm Torque Wrench
	CLMS15NX8D	○	Nm Torque Wrench
CLLS	CLLS25N5X10D	○	Nm Torque Wrench
	CLLS50NX12D	○	Nm Torque Wrench
	CLLS50NX15D	○	Nm Torque Wrench
	CLLS100NX15D	○	Nm Torque Wrench
	CLLS140NX15D	○	Nm Torque Wrench
	CLLS200NX19D	○	Nm Torque Wrench
	CLLS280NX22D	○	Nm Torque Wrench
	CLLS420NX22D	○	Nm Torque Wrench
CLMS	100CLMS	○	Metric Torque Wrench
	150CLMS	○	Metric Torque Wrench
CLLS	225CL5LS	○	Metric Torque Wrench
	450CL3LS	○	Metric Torque Wrench
	500CL3LS	○	Metric Torque Wrench
	900CL3LS	○	Metric Torque Wrench
	1400CL3LS	○	Metric Torque Wrench
	1800CL3LS	○	Metric Torque Wrench
	2800CL3LS	○	Metric Torque Wrench
	4200CL2LS	○	Metric Torque Wrench
CLMS-MH	CLMS2NX8D-MH	×	Nm Torque Wrench
	CLMS5NX8D-MH	×	Nm Torque Wrench
	CLMS10NX8D-MH	○	Nm Torque Wrench
	CLMS15NX8D-MH	○	Nm Torque Wrench
	20CLMS-MH	×	Metric Torque Wrench
	50CLMS-MH	×	Metric Torque Wrench
	100CLMS-MH	○	Metric Torque Wrench
	150CLMS-MH	○	Metric Torque Wrench
TIQLLS	TIQLLS180N	○	Nm Torque Wrench
	TILQLLS180N	○	Nm Torque Wrench
	TIEQLLS360N	○	Nm Torque Wrench
	1800TIQLLS	○	Metric Torque Wrench
	1800TILQLLS	○	Metric Torque Wrench
	3600TIEQLLS	○	Metric Torque Wrench
YCLLS2	YCLLS10N2X10D	○	Nm Torque Wrench
	YCLLS20N2X10D	○	Nm Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	YCLLS40N2X12D	○	Nm Torque Wrench
	YCLLS70N2X12D	○	Nm Torque Wrench
PQLMS	PQLMS5N	×	Nm Torque Wrench
	PQLMS10N	○	Nm Torque Wrench
	PQLMS15N	○	Nm Torque Wrench
PQLLS	PQLLS25N	○	Nm Torque Wrench
	PQLLS50N	○	Nm Torque Wrench
	PQLLS100N4	○	Nm Torque Wrench
	PQLLS140N	○	Nm Torque Wrench
	PQLLS200N4	○	Nm Torque Wrench
	PQLLS280N	○	Nm Torque Wrench
	PQLLS420N	○	Nm Torque Wrench
PQLMS	50PQLMS	×	Metric Torque Wrench
	100PQLMS	○	Metric Torque Wrench
	150PQLMS	○	Metric Torque Wrench
PQLLS	225PQLLS	○	Metric Torque Wrench
	450PQLLS	○	Metric Torque Wrench
	900PQL4LS	○	Metric Torque Wrench
	1400PQLLS	○	Metric Torque Wrench
	1800PQL4LS	○	Metric Torque Wrench
	2800PQLLS	○	Metric Torque Wrench
	4200PQLLS	○	Metric Torque Wrench
PCLMS	PCLMS5NX8D	×	Nm Torque Wrench
	PCLMS10NX8D	○	Nm Torque Wrench
	PCLMS15NX8D	○	Nm Torque Wrench
PCLLS	PCLLS25NX10D	○	Nm Torque Wrench
	PCLLS50NX12D	○	Nm Torque Wrench
	PCLLS50NX15D	○	Nm Torque Wrench
	PCLLS100NX15D	○	Nm Torque Wrench
	PCLLS140NX15D	○	Nm Torque Wrench
	PCLLS200NX19D	○	Nm Torque Wrench
PCLMS	50PCLMS	×	Metric Torque Wrench
	100PCLMS	○	Metric Torque Wrench
	150PCLMS	○	Metric Torque Wrench
PCLLS	225PCLLS	○	Metric Torque Wrench
	450PCLLS	○	Metric Torque Wrench
	500PCLLS	○	Metric Torque Wrench
	900PCLLS	○	Metric Torque Wrench
	1400PCLLS	○	Metric Torque Wrench
	1800PCLLS	○	Metric Torque Wrench
QSPMS	QSPMS1.5N4	×	Preset Torque Wrench
	QSPMS3N4	×	Preset Torque Wrench
	QSPMS6N4	○	Preset Torque Wrench
	QSPMS12N4	○	Preset Torque Wrench
QSPLS	QSPLS25N3	○	Preset Torque Wrench
	QSPLS50N3	○	Preset Torque Wrench
	QSPLS100N4	○	Preset Torque Wrench
	QSPLS140N3	○	Preset Torque Wrench
	QSPLS200N4	○	Preset Torque Wrench
	QSPLS280N3	○	Preset Torque Wrench
	QSPLS420N3	○	Preset Torque Wrench
CSPMS	CSPMS1.5N4X8D	×	Preset Torque Wrench
	CSPMS3N4X8D	×	Preset Torque Wrench
	CSPMS6N4X8D	○	Preset Torque Wrench
	CSPMS12N4X8D	○	Preset Torque Wrench
CSPLS	CSPLS25N3X10D	○	Preset Torque Wrench
	CSPLS50N3X12D	○	Preset Torque Wrench
	CSPLS50N3X15D	○	Preset Torque Wrench
	CSPLS100N3X15D	○	Preset Torque Wrench
	CSPLS140N3X15D	○	Preset Torque Wrench
	CSPLS200N3X19D	○	Preset Torque Wrench
	CSPLS280N3X22D	○	Preset Torque Wrench
	CSPLS420N3X22D	○	Preset Torque Wrench
QSPCAMS	QSPCAMS6N	○	Preset Torque Wrench
	QSPCAMS12N	○	Preset Torque Wrench
QSPCALS	QSPCALS30N	○	Preset Torque Wrench
	QSPCALS70N	○	Preset Torque Wrench
SP2MS	SPMS2N2X5.5	×	Preset Torque Wrench
	SPMS2N2X7	×	Preset Torque Wrench
	SPMS2N2X8	×	Preset Torque Wrench
	SPMS2N2X10	×	Preset Torque Wrench
	SPMS2N2X12	×	Preset Torque Wrench
	SPMS2N2X13	×	Preset Torque Wrench
	SPMS2N2X17	×	Preset Torque Wrench
	SPMS2N2X19	×	Preset Torque Wrench
	SPMS8N2X7	○	Preset Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	SPMS8N2X8	○	Preset Torque Wrench
	SPMS8N2X9	○	Preset Torque Wrench
	SPMS8N2X10	○	Preset Torque Wrench
	SPMS8N2X12	○	Preset Torque Wrench
	SPMS8N2X13	○	Preset Torque Wrench
	SPMS8N2X19	○	Preset Torque Wrench
	SPMS8N2X24	○	Preset Torque Wrench
	SPMS8N2X27	○	Preset Torque Wrench
SP2LS	SPLS19N2X10	○	Preset Torque Wrench
	SPLS19N2X11	○	Preset Torque Wrench
	SPLS19N2X12	○	Preset Torque Wrench
	SPLS19N2X13	○	Preset Torque Wrench
	SPLS19N2X14	○	Preset Torque Wrench
	SPLS19N2X17	○	Preset Torque Wrench
	SPLS19N2X19	○	Preset Torque Wrench
	SPLS19N2X21	○	Preset Torque Wrench
	SPLS19N2-1X10	○	Preset Torque Wrench
	SPLS19N2-2X10	○	Preset Torque Wrench
	SPLS19N2-3X10	○	Preset Torque Wrench
	SPLS38N2X8	○	Preset Torque Wrench
	SPLS38N2X9	○	Preset Torque Wrench
	SPLS38N2X10	○	Preset Torque Wrench
	SPLS38N2X11	○	Preset Torque Wrench
	SPLS38N2X12	○	Preset Torque Wrench
	SPLS38N2X13	○	Preset Torque Wrench
	SPLS38N2X14	○	Preset Torque Wrench
	SPLS38N2X16	○	Preset Torque Wrench
	SPLS38N2X17	○	Preset Torque Wrench
	SPLS38N2X19	○	Preset Torque Wrench
	SPLS38N2X22	○	Preset Torque Wrench
	SPLS38N2X24	○	Preset Torque Wrench
	SPLS38N2X27	○	Preset Torque Wrench
	SPLS38N2-1X10	○	Preset Torque Wrench
	SPLS38N2-2X10	○	Preset Torque Wrench
	SPLS38N2-3X10	○	Preset Torque Wrench
	SPLS67N2X14	○	Preset Torque Wrench
	SPLS67N2X16	○	Preset Torque Wrench
	SPLS67N2X17	○	Preset Torque Wrench
	SPLS67N2X18	○	Preset Torque Wrench
	SPLS67N2X19	○	Preset Torque Wrench
	SPLS67N2X21	○	Preset Torque Wrench
	SPLS67N2X22	○	Preset Torque Wrench
	SPLS67N2X24	○	Preset Torque Wrench
	SPLS67N2X27	○	Preset Torque Wrench
	SPLS67N2X29	○	Preset Torque Wrench
	SPLS67N2X30	○	Preset Torque Wrench
	SPLS67N2X32	○	Preset Torque Wrench
	SPLS67N2X33.3	○	Preset Torque Wrench
	SPLS120N2X14	○	Preset Torque Wrench
	SPLS120N2X17	○	Preset Torque Wrench
	SPLS120N2X18	○	Preset Torque Wrench
	SPLS120N2X19	○	Preset Torque Wrench
	SPLS120N2X21	○	Preset Torque Wrench
	SPLS120N2X22	○	Preset Torque Wrench
	SPLS120N2X23	○	Preset Torque Wrench
	SPLS120N2X24	○	Preset Torque Wrench
	SPLS120N2X27	○	Preset Torque Wrench
	SPLS120N2X30	○	Preset Torque Wrench
	SPLS160N2X19	○	Preset Torque Wrench
	SPLS160N2X21	○	Preset Torque Wrench
	SPLS160N2X22	○	Preset Torque Wrench
	SPLS160N2X24	○	Preset Torque Wrench
	SPLS160N2X26	○	Preset Torque Wrench
	SPLS160N2X27	○	Preset Torque Wrench
	SPLS160N2X41	○	Preset Torque Wrench
	SPLS220N2X19	○	Preset Torque Wrench
	SPLS220N2X22	○	Preset Torque Wrench
	SPLS220N2X24	○	Preset Torque Wrench
	SPLS220N2X27	○	Preset Torque Wrench
	SPLS220N2X29	○	Preset Torque Wrench
	SPLS220N2X30	○	Preset Torque Wrench
	SPLS220N2X32	○	Preset Torque Wrench
	SPLS220N2X34	○	Preset Torque Wrench
	SPLS220N2X36	○	Preset Torque Wrench
	SPLS310N2X22	○	Preset Torque Wrench
	SPLS310N2X24	○	Preset Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	SPLS310N2X27	○	Preset Torque Wrench
	SPLS310N2X30	○	Preset Torque Wrench
	SPLS310N2X32	○	Preset Torque Wrench
	SPLS310N2X41	○	Preset Torque Wrench
	SPLS310N2X46	○	Preset Torque Wrench
RSP2MS	RSPMS8N2X8	○	Preset Torque Wrench
	RSPMS8N2X10	○	Preset Torque Wrench
RSP2LS	RSPLS19N2X8	○	Preset Torque Wrench
	RSPLS19N2X10	○	Preset Torque Wrench
	RSPLS19N2X13	○	Preset Torque Wrench
	RSPLS38N2X10	○	Preset Torque Wrench
	RSPLS38N2X12	○	Preset Torque Wrench
	RSPLS38N2X13	○	Preset Torque Wrench
	RSPLS38N2X14	○	Preset Torque Wrench
	RSPLS38N2X16	○	Preset Torque Wrench
	RSPLS38N2X17	○	Preset Torque Wrench
	RSPLS67N2X14	○	Preset Torque Wrench
	RSPLS67N2X16	○	Preset Torque Wrench
	RSPLS67N2X17	○	Preset Torque Wrench
	RSPLS67N2X18	○	Preset Torque Wrench
	RSPLS67N2X19	○	Preset Torque Wrench
	RSPLS120N2X17	○	Preset Torque Wrench
	RSPLS120N2X18	○	Preset Torque Wrench
	RSPLS120N2X19	○	Preset Torque Wrench
	RSPLS120N2X21	○	Preset Torque Wrench
	RSPLS120N2X22	○	Preset Torque Wrench
	RSPLS160N2X19	○	Preset Torque Wrench
	RSPLS160N2X21	○	Preset Torque Wrench
	RSPLS160N2X22	○	Preset Torque Wrench
	RSPLS160N2X24	○	Preset Torque Wrench
	RSPLS220N2X22	○	Preset Torque Wrench
	RSPLS220N2X24	○	Preset Torque Wrench
	RSPLS220N2X27	○	Preset Torque Wrench
	RSPLS310N2X24	○	Preset Torque Wrench
	RSPLS310N2X27	○	Preset Torque Wrench
	RSPLS310N2X30	○	Preset Torque Wrench
SP2NLS	SPLS19N2-1X10N	○	Preset Torque Wrench
	SPLS19N2-3X10N	○	Preset Torque Wrench
	SPLS19N2-4X10N	○	Preset Torque Wrench
	SPLS19N2-5X10N	○	Preset Torque Wrench
	SPLS19N2-8X10N	○	Preset Torque Wrench
	SPLS19N2-9X10N	○	Preset Torque Wrench
	SPLS38N2X14N	○	Preset Torque Wrench
SP2LS-MH	SPLS19N2X10-MH	○	Preset Torque Wrench
	SPLS19N2X11-MH	○	Preset Torque Wrench
	SPLS19N2X12-MH	○	Preset Torque Wrench
	SPLS19N2X13-MH	○	Preset Torque Wrench
	SPLS19N2X14-MH	○	Preset Torque Wrench
	SPLS19N2X17-MH	○	Preset Torque Wrench
	SPLS19N2X19-MH	○	Preset Torque Wrench
	SPLS19N2X21-MH	○	Preset Torque Wrench
	SPLS19N2-1X10-MH	○	Preset Torque Wrench
	SPLS19N2-2X10-MH	○	Preset Torque Wrench
	SPLS19N2-3X10-MH	○	Preset Torque Wrench
	SPLS38N2X8-MH	○	Preset Torque Wrench
	SPLS38N2X9-MH	○	Preset Torque Wrench
	SPLS38N2X10-MH	○	Preset Torque Wrench
	SPLS38N2X11-MH	○	Preset Torque Wrench
	SPLS38N2X12-MH	○	Preset Torque Wrench
	SPLS38N2X13-MH	○	Preset Torque Wrench
	SPLS38N2X14-MH	○	Preset Torque Wrench
	SPLS38N2X16-MH	○	Preset Torque Wrench
	SPLS38N2X17-MH	○	Preset Torque Wrench
	SPLS38N2X19-MH	○	Preset Torque Wrench
	SPLS38N2X22-MH	○	Preset Torque Wrench
	SPLS38N2X24-MH	○	Preset Torque Wrench
	SPLS38N2X27-MH	○	Preset Torque Wrench
	SPLS38N2-1X10-MH	○	Preset Torque Wrench
	SPLS38N2-2X10-MH	○	Preset Torque Wrench
	SPLS38N2-3X10-MH	○	Preset Torque Wrench
	SPLS67N2X14-MH	○	Preset Torque Wrench
	SPLS67N2X16-MH	○	Preset Torque Wrench
	SPLS67N2X17-MH	○	Preset Torque Wrench
	SPLS67N2X18-MH	○	Preset Torque Wrench
	SPLS67N2X19-MH	○	Preset Torque Wrench
	SPLS67N2X21-MH	○	Preset Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	SPLS67N2X22-MH	○	Preset Torque Wrench
	SPLS67N2X24-MH	○	Preset Torque Wrench
	SPLS67N2X27-MH	○	Preset Torque Wrench
	SPLS67N2X29-MH	○	Preset Torque Wrench
	SPLS67N2X30-MH	○	Preset Torque Wrench
	SPLS67N2X32-MH	○	Preset Torque Wrench
	SPLS67N2X33.3-MH	○	Preset Torque Wrench
	SPLS120N2X14-MH	○	Preset Torque Wrench
	SPLS120N2X17-MH	○	Preset Torque Wrench
	SPLS120N2X18-MH	○	Preset Torque Wrench
	SPLS120N2X19-MH	○	Preset Torque Wrench
	SPLS120N2X21-MH	○	Preset Torque Wrench
	SPLS120N2X22-MH	○	Preset Torque Wrench
	SPLS120N2X23-MH	○	Preset Torque Wrench
	SPLS120N2X24-MH	○	Preset Torque Wrench
	SPLS120N2X27-MH	○	Preset Torque Wrench
	SPLS120N2X30-MH	○	Preset Torque Wrench
	SPLS160N2X19-MH	○	Preset Torque Wrench
	SPLS160N2X21-MH	○	Preset Torque Wrench
	SPLS160N2X22-MH	○	Preset Torque Wrench
	SPLS160N2X24-MH	○	Preset Torque Wrench
	SPLS160N2X26-MH	○	Preset Torque Wrench
	SPLS160N2X27-MH	○	Preset Torque Wrench
	SPLS160N2X41-MH	○	Preset Torque Wrench
	SPLS220N2X19-MH	○	Preset Torque Wrench
	SPLS220N2X22-MH	○	Preset Torque Wrench
	SPLS220N2X24-MH	○	Preset Torque Wrench
	SPLS220N2X27-MH	○	Preset Torque Wrench
	SPLS220N2X29-MH	○	Preset Torque Wrench
	SPLS220N2X30-MH	○	Preset Torque Wrench
	SPLS220N2X32-MH	○	Preset Torque Wrench
	SPLS220N2X34-MH	○	Preset Torque Wrench
	SPLS220N2X36-MH	○	Preset Torque Wrench
	SPLS310N2X22-MH	○	Preset Torque Wrench
	SPLS310N2X24-MH	○	Preset Torque Wrench
	SPLS310N2X27-MH	○	Preset Torque Wrench
	SPLS310N2X30-MH	○	Preset Torque Wrench
	SPLS310N2X32-MH	○	Preset Torque Wrench
	SPLS310N2X41-MH	○	Preset Torque Wrench
	SPLS310N2X46-MH	○	Preset Torque Wrench
RSP2LS-MH	RSPLS19N2X8-MH	○	Preset Torque Wrench
	RSPLS19N2X10-MH	○	Preset Torque Wrench
	RSPLS19N2X13-MH	○	Preset Torque Wrench
	RSPLS38N2X10-MH	○	Preset Torque Wrench
	RSPLS38N2X12-MH	○	Preset Torque Wrench
	RSPLS38N2X13-MH	○	Preset Torque Wrench
	RSPLS38N2X14-MH	○	Preset Torque Wrench
	RSPLS38N2X16-MH	○	Preset Torque Wrench
	RSPLS38N2X17-MH	○	Preset Torque Wrench
	RSPLS67N2X14-MH	○	Preset Torque Wrench
	RSPLS67N2X16-MH	○	Preset Torque Wrench
	RSPLS67N2X17-MH	○	Preset Torque Wrench
	RSPLS67N2X18-MH	○	Preset Torque Wrench
	RSPLS67N2X19-MH	○	Preset Torque Wrench
	RSPLS120N2X17-MH	○	Preset Torque Wrench
	RSPLS120N2X18-MH	○	Preset Torque Wrench
	RSPLS120N2X19-MH	○	Preset Torque Wrench
	RSPLS120N2X21-MH	○	Preset Torque Wrench
	RSPLS120N2X22-MH	○	Preset Torque Wrench
	RSPLS160N2X19-MH	○	Preset Torque Wrench
	RSPLS160N2X21-MH	○	Preset Torque Wrench
	RSPLS160N2X22-MH	○	Preset Torque Wrench
	RSPLS160N2X24-MH	○	Preset Torque Wrench
	RSPLS220N2X22-MH	○	Preset Torque Wrench
	RSPLS220N2X24-MH	○	Preset Torque Wrench
	RSPLS220N2X27-MH	○	Preset Torque Wrench
	RSPLS310N2X24-MH	○	Preset Torque Wrench
	RSPLS310N2X27-MH	○	Preset Torque Wrench
	RSPLS310N2X30-MH	○	Preset Torque Wrench
SP2NLS-MH	SPLS19N2-1X10N-MH	○	Preset Torque Wrench
	SPLS19N2-3X10N-MH	○	Preset Torque Wrench
	SPLS19N2-4X10N-MH	○	Preset Torque Wrench
	SPLS19N2-5X10N-MH	○	Preset Torque Wrench
	SPLS19N2-8X10N-MH	○	Preset Torque Wrench
	SPLS19N2-9X10N-MH	○	Preset Torque Wrench
	SPLS38N2X14N-MH	○	Preset Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
QRSPLS	QRSPLS38NX17	○	Preset Torque Wrench
	QRSPLS38NX19	○	Preset Torque Wrench
	QRSPLS38NX21	○	Preset Torque Wrench
	QRSPLS38NX24	○	Preset Torque Wrench
WQL	WQL50N	○	Nm Torque Angle Wrench
	WQL100N4	○	Nm Torque Angle Wrench
	WQL200N4	○	Nm Torque Angle Wrench
	WQL280N	○	Nm Torque Angle Wrench
	WQL420N	○	Nm Torque Angle Wrench
	450WQL3	○	Metric Torque Angle Wrench
	900WQL4	○	Metric Torque Angle Wrench
	1800WQL4	○	Metric Torque Angle Wrench
	2800WQL3	○	Metric Torque Angle Wrench
	4200WQL2	○	Metric Torque Angle Wrench
	450WQL3-A	×	American Torque Angle Wrench
	900WQL4-A	×	American Torque Angle Wrench
	1800WQL4-A	×	American Torque Angle Wrench
	2800WQL3-A	×	American Torque Angle Wrench
4200WQL2-A	×	American Torque Angle Wrench	
DWQL	DWQL50N	○	Nm Torque Wrench
	DWQL100N	○	Nm Torque Wrench
	DWQL140N	○	Nm Torque Wrench
	DWQL200N	○	Nm Torque Wrench
	DWQL280N	○	Nm Torque Wrench
	DWQL420N	○	Nm Torque Wrench
MPQL	MPQL50N	○	Nm Marking Torque Wrench
	MPQL100N4	○	Nm Marking Torque Wrench
	MPQL140N	○	Nm Marking Torque Wrench
	MPQL200N4	○	Nm Marking Torque Wrench
	MQL280N	○	Nm Marking Torque Wrench
	450MPQL	○	Metric Marking Torque Wrench
	900MPQL4	○	Metric Marking Torque Wrench
	1400MPQL	○	Metric Marking Torque Wrench
	1800MPQL4	○	Metric Marking Torque Wrench
	2800MQL3	○	Metric Marking Torque Wrench
	450MPQL-A	×	American Marking Torque Wrench
	900MPQL4-A	×	American Marking Torque Wrench
	1400MPQL-A	×	American Marking Torque Wrench
	1800MPQL4-A	×	American Marking Torque Wrench
2800MQL3-A	×	American Marking Torque Wrench	
MQSP	MQSP50N	○	Preset Marking Torque Wrench
	MQSP100N	○	Preset Marking Torque Wrench
	MQSP140N	○	Preset Marking Torque Wrench
	MQSP200N	○	Preset Marking Torque Wrench
MPCL	MPCL50NX15D	○	Nm Marking Torque Wrench
	MPCL100NX15D	○	Nm Marking Torque Wrench
	MPCL140NX15D	○	Nm Marking Torque Wrench
MCSP	MCSP50NX15D	○	Preset Marking Torque Wrench
	MCSP100NX15D	○	Preset Marking Torque Wrench
	MCSP140NX15D	○	Preset Marking Torque Wrench
CMQSP	CMQSP-M6	○	Preset Marking Torque Wrench
	CMQSP-M8	○	Preset Marking Torque Wrench
	CMQSP-M10	○	Preset Marking Torque Wrench
	CMQSP-M12	○	Preset Marking Torque Wrench
FHW	CSPFHW25N3X10D	○	Preset Torque Wrench
	CSPFHW50N3X12D	○	Preset Torque Wrench
	CSPFHW50N3X15D	○	Preset Torque Wrench
	CSPFHW100N3X15D	○	Preset Torque Wrench
	CSPFHW140N3X15D	○	Preset Torque Wrench
	CSPFHW200N3X19D	○	Preset Torque Wrench
CSPLD	CSPFHW280N3X22D	○	Preset Torque Wrench
	CSPLD25N3-10NX10D	○	Preset Torque Wrench
	CSPLD25N3X10D	○	Preset Torque Wrench
	CSPLD50N3X12D	○	Preset Torque Wrench
	CSPLD50N3X15D	○	Preset Torque Wrench
	CSPLD100N3X15D	○	Preset Torque Wrench
	CSPLD140N3X15D	○	Preset Torque Wrench
CSPLDC	CSPLD200N3X19D	○	Preset Torque Wrench
	CSPLD280N3X22D	○	Preset Torque Wrench
	CSPLDC25N3-10NX10D	○	Preset Torque Wrench
	CSPLDC25N3X10D	○	Preset Torque Wrench
	CSPLDC50N3X12D	○	Preset Torque Wrench
	CSPLDC50N3X15D	○	Preset Torque Wrench
	CSPLDC100N3X15D	○	Preset Torque Wrench
	CSPLDC140N3X15D	○	Preset Torque Wrench
	CSPLDC200N3X19D	○	Preset Torque Wrench

Index	ISO6789-2017	Unit	Description
	CSPLCD280N3X22D	○	Preset Torque Wrench
FD	CSPFD25N3-10NX10D	○	Preset Torque Wrench
	CSPFD25N3X10D	○	Preset Torque Wrench
	CSPFD50N3X12D	○	Preset Torque Wrench
	CSPFD50N3X15D	○	Preset Torque Wrench
	CSPFD100N3X15D	○	Preset Torque Wrench
	CSPFD140N3X15D	○	Preset Torque Wrench
	CSPFD200N3X19D	○	Preset Torque Wrench
	CSPFD280N3X22D	○	Preset Torque Wrench
FDD	CSPFDD25N3-10NX10D	○	Preset Torque Wrench
	CSPFDD25N3X10D	○	Preset Torque Wrench
	CSPFDD50N3X12D	○	Preset Torque Wrench
	CSPFDD50N3X15D	○	Preset Torque Wrench
	CSPFDD100N3X15D	○	Preset Torque Wrench
	CSPFDD140N3X15D	○	Preset Torque Wrench
	CSPFDD200N3X19D	○	Preset Torque Wrench
	CSPFDD280N3X22D	○	Preset Torque Wrench
FDD-AD	CSPFDD25N3-10NX10D-AD	○	Preset Torque Wrench
	CSPFDD25N3X10D-AD	○	Preset Torque Wrench
	CSPFDD50N3X12D-AD	○	Preset Torque Wrench
	CSPFDD50N3X15D-AD	○	Preset Torque Wrench
	CSPFDD100N3X15D-AD	○	Preset Torque Wrench
	CSPFDD140N3X15D-AD	○	Preset Torque Wrench
	CSPFDD200N3X19D-AD	○	Preset Torque Wrench
	CSPFDD280N3X22D-AD	○	Preset Torque Wrench
DB	DB1.5N4	×	Nm Torque Wrench
	DB3N4	×	Nm Torque Wrench
	DB6N5	○	Nm Torque Wrench
	DB12N5	○	Nm Torque Wrench
	DB25N5	○	Nm Torque Wrench
	DB50N	○	Nm Torque Wrench
	DB100N	○	Nm Torque Wrench
	DB200N	○	Nm Torque Wrench
	DB280N5	○	Nm Torque Wrench
	DB420N	○	Nm Torque Wrench
DBE	DBE560N	○	Nm Torque Wrench
	DBE700N	○	Nm Torque Wrench
	DBE850N	○	Nm Torque Wrench
	DBE1000N	○	Nm Torque Wrench
	DBE1400N	○	Nm Torque Wrench
	DBE2100N	○	Nm Torque Wrench
	DBE2800N5	○	Nm Torque Wrench
DBR	DBR4500N	×	Nm Torque Wrench
	DBR6000N	×	Nm Torque Wrench
DB	15DB4	×	Metric Torque Wrench
	30DB4	×	Metric Torque Wrench
	DB60M5	○	Metric Torque Wrench
	DB120M5	○	Metric Torque Wrench
	DB250M5	○	Metric Torque Wrench
	DB500M	○	Metric Torque Wrench
	DB1000M	○	Metric Torque Wrench
	DB2000M	○	Metric Torque Wrench
	DB2800M5	○	Metric Torque Wrench
	DB4200M	○	Metric Torque Wrench
DBE	DBE5600M	○	Metric Torque Wrench
	DBE7000M	○	Metric Torque Wrench
	DBE8500M	○	Metric Torque Wrench
	DBE10000M	○	Metric Torque Wrench
	DBE14000M	○	Metric Torque Wrench
	DBE21000M	○	Metric Torque Wrench
	DBE28000M5	○	Metric Torque Wrench
DBR	45000DBR	×	Metric Torque Wrench
	60000DBR	×	Metric Torque Wrench
DB-S	DB1.5N4-S	×	Nm Torque Wrench
	DB3N4-S	×	Nm Torque Wrench
	DB6N5-S	○	Nm Torque Wrench
	DB12N5-S	○	Nm Torque Wrench
	DB25N5-1/4-S	○	Nm Torque Wrench
	DB25N5-S	○	Nm Torque Wrench
	DB50N-S	○	Nm Torque Wrench
	DB100N-3/8-S	○	Nm Torque Wrench
	DB100N-S	○	Nm Torque Wrench
	DB200N-S	○	Nm Torque Wrench
	DB280N5-1/2-S	○	Nm Torque Wrench
	DB280N5-S	○	Nm Torque Wrench
	DB420N-S	○	Nm Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
DBE-S	DBE560N-S	○	Nm Torque Wrench
	DBE700N-S	○	Nm Torque Wrench
	DBE850N-S	○	Nm Torque Wrench
	DBE1000N-S	○	Nm Torque Wrench
	DBE1400N-S	○	Nm Torque Wrench
	DBE2100N-S	○	Nm Torque Wrench
	DBE2800N5-S	○	Nm Torque Wrench
DBR-S	DBR4500N-S	×	Nm Torque Wrench
	DBR6000N-S	×	Nm Torque Wrench
DB-S	15DB4-S	×	Metric Torque Wrench
	30DB4-S	×	Metric Torque Wrench
	DB60M5-S	○	Metric Torque Wrench
	DB120M5-S	○	Metric Torque Wrench
	DB250M5-1/4-S	○	Metric Torque Wrench
	DB250M5-S	○	Metric Torque Wrench
	DB500M-S	○	Metric Torque Wrench
	DB1000M-3/8-S	○	Metric Torque Wrench
	DB1000M-S	○	Metric Torque Wrench
	DB2000M-S	○	Metric Torque Wrench
	DB2800M5-1/2-S	○	Metric Torque Wrench
	DB2800M5-S	○	Metric Torque Wrench
	DB4200M-S	○	Metric Torque Wrench
DBE-S	DBE5600M-S	○	Metric Torque Wrench
	DBE7000M-S	○	Metric Torque Wrench
	DBE8500M-S	○	Metric Torque Wrench
	DBE10000M-S	○	Metric Torque Wrench
	DBE14000M-S	○	Metric Torque Wrench
	DBE21000M-S	○	Metric Torque Wrench
	DBE28000M5-S	○	Metric Torque Wrench
DBR-S	45000DBR-S	×	Metric Torque Wrench
	60000DBR-S	×	Metric Torque Wrench
DB-S	DB13I-2AS	×	American Torque Wrench
	DB26I-2AS	×	American Torque Wrench
	DB40I-2AS	×	American Torque Wrench
	DB75I-2AS	×	American Torque Wrench
	DB150I-2AS	×	American Torque Wrench
	DB150I-3AS	×	American Torque Wrench
	DB300I-3AS	×	American Torque Wrench
	DB600I-3AS	×	American Torque Wrench
	DB600I-4AS	×	American Torque Wrench
	DB25F-3AS	×	American Torque Wrench
	DB50F-3AS	×	American Torque Wrench
	DB50F-4AS	×	American Torque Wrench
	DB100F-4AS	×	American Torque Wrench
	DB175F-4AS	×	American Torque Wrench
	DB250F-6AS	×	American Torque Wrench
	DB350F-6AS	×	American Torque Wrench
DBE-S	DB500F-6AS	×	American Torque Wrench
	DB800F-8AS	×	American Torque Wrench
	DB1000F-8AS	×	American Torque Wrench
	DB1500F-8AS	×	American Torque Wrench
	DB2000F-12AS	×	American Torque Wrench
DBR-S	DB3000F-12AS	×	American Torque Wrench
CDB-S	CDB7N4X8D-S	○	Nm Torque Wrench
	CDB14N4X8D-S	○	Nm Torque Wrench
	CDB25N5X10D-S	○	Nm Torque Wrench
	CDB50NX12D-S	○	Nm Torque Wrench
	CDB100NX15D-S	○	Nm Torque Wrench
	CDB200NX19D-S	○	Nm Torque Wrench
	CDB300N5X22D-S	○	Nm Torque Wrench
	CDB420NX22D-S	○	Nm Torque Wrench
	CDB70MX8D-S	○	Metric Torque Wrench
	CDB140MX8D-S	○	Metric Torque Wrench
	CDB250M5X10D-S	○	Metric Torque Wrench
	CDB500MX12D-S	○	Metric Torque Wrench
	CDB1000MX15D-S	○	Metric Torque Wrench
	CDB2000MX19D-S	○	Metric Torque Wrench
	CDB3000M5X22D-S	○	Metric Torque Wrench
	CDB4200MX22D-S	○	Metric Torque Wrench
	70CDB4-A-S	×	American Torque Wrench
	140CDB4-A-S	×	American Torque Wrench
	250CDB-A-S	×	American Torque Wrench
	500CDB-A-S	×	American Torque Wrench
	1000CDB-A-S	×	American Torque Wrench
	2000CDB-A-S	×	American Torque Wrench
	3000CDB-A-S	×	American Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>
	4200CDB-A-S	x	American Torque Wrench
SCDB-S	SCDB25N5-9X12-S	O	Nm Torque Wrench
	SCDB50N-9X12-S	O	Nm Torque Wrench
	SCDB100N-9X12-S	O	Nm Torque Wrench
	SCDB200N-14X18-S	O	Nm Torque Wrench
T-S	T23N2-S	O	Nm Torque Wrench
	T45N-S	O	Nm Torque Wrench
	T90N-S	O	Nm Torque Wrench
	T180N-S	O	Nm Torque Wrench
	T700N-S	x	Nm Torque Wrench
	T1000N-S	x	Nm Torque Wrench
	T1400N-S	x	Nm Torque Wrench
	T2100N-S	x	Nm Torque Wrench
	T2800N-S	x	Nm Torque Wrench
	T4200N-S	x	Nm Torque Wrench
	T230M2-S	O	Metric Torque Wrench
	T450M-S	O	Metric Torque Wrench
	T900M-S	O	Metric Torque Wrench
	T1800M-S	O	Metric Torque Wrench
	7000T-S	x	Metric Torque Wrench
	10000T-S	x	Metric Torque Wrench
	14000T-S	x	Metric Torque Wrench
	21000T-S	x	Metric Torque Wrench
	28000T-S	x	Metric Torque Wrench
	42000T-S	x	Metric Torque Wrench
	T200I-3AS	x	American Torque Wrench
	T400I-3AS	x	American Torque Wrench
	T65F-4AS	x	American Torque Wrench
	T130F-4AS	x	American Torque Wrench
	7000T-A-S	x	American Torque Wrench
	10000T-A-S	x	American Torque Wrench
	14000T-A-S	x	American Torque Wrench
	21000T-A-S	x	American Torque Wrench
	28000T-A-S	x	American Torque Wrench
	42000T-A-S	x	American Torque Wrench
HAC	HA25N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HAC25N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HAC50N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HAC100N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HAC140N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HAC200N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HA250M	O	Metric Battery Operated Semi-Auto Torque Wrench
	HAC250M	O	Metric Battery Operated Semi-Auto Torque Wrench
	HAC500M	O	Metric Battery Operated Semi-Auto Torque Wrench
	HAC1000M	O	Metric Battery Operated Semi-Auto Torque Wrench
	HAC1400M	O	Metric Battery Operated Semi-Auto Torque Wrench
	HAC2000M	O	Metric Battery Operated Semi-Auto Torque Wrench
HACQSPDY	HACQSPDY25N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HACQSPDY50N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HACQSPDY100N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HACQSPDY140N	O	Nm Battery Operated Semi-Auto Torque Wrench
	HACQSPDY200N	O	Nm Battery Operated Semi-Auto Torque Wrench
A3	A10N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	A25N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	A50N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	A100N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	A180N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	A100M3	O	Metric Pneumatic Semi-Auto Torque Wrench
	A250M3	O	Metric Pneumatic Semi-Auto Torque Wrench
	A500M3	O	Metric Pneumatic Semi-Auto Torque Wrench
	A1000M3	O	Metric Pneumatic Semi-Auto Torque Wrench
	A1800M3	O	Metric Pneumatic Semi-Auto Torque Wrench
	A90I3-3/8	x	American Pneumatic Semi-Auto Torque Wrench
	A200I3-3/8	x	American Pneumatic Semi-Auto Torque Wrench
	A400I3-3/8	x	American Pneumatic Semi-Auto Torque Wrench
	A800I3-3/8	x	American Pneumatic Semi-Auto Torque Wrench
	A75F3-3/8	x	American Pneumatic Semi-Auto Torque Wrench
	A130F3-1/2	x	American Pneumatic Semi-Auto Torque Wrench
A3LS	ALS10N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	ALS25N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	ALS50N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	ALS100N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	ALS180N3	O	Nm Pneumatic Semi-Auto Torque Wrench
	ALS100M3	O	Metric Pneumatic Semi-Auto Torque Wrench
	ALS250M3	O	Metric Pneumatic Semi-Auto Torque Wrench
	ALS500M3	O	Metric Pneumatic Semi-Auto Torque Wrench

<i>Index</i>	<i>ISO6789-2017</i>	<i>Unit</i>	<i>Description</i>	
	ALS1000M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	ALS1800M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	ALS90I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ALS200I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ALS400I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ALS800I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ALS75F3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ALS130F3-1/2	×	American	Pneumatic Semi-Auto Torque Wrench
AC3	AC25N3	○	Nm	Pneumatic Semi-Auto Torque Wrench
	AC50N3	○	Nm	Pneumatic Semi-Auto Torque Wrench
	AC100N3	○	Nm	Pneumatic Semi-Auto Torque Wrench
	AC180N3	○	Nm	Pneumatic Semi-Auto Torque Wrench
	AC250M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	AC500M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	AC1000M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	AC1800M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	AC200I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	AC400I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	AC800I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	AC75F3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	AC130F3-1/2	×	American	Pneumatic Semi-Auto Torque Wrench
AC3LS	ACLS25N3	○	Nm	Pneumatic Semi-Auto Torque Wrench
	ACLS50N3	○	Nm	Pneumatic Semi-Auto Torque Wrench
	ACLS100N3	○	Nm	Pneumatic Semi-Auto Torque Wrench
	ACLS180N3	○	Nm	Pneumatic Semi-Auto Torque Wrench
	ACLS250M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	ACLS500M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	ACLS1000M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	ACLS1800M3	○	Metric	Pneumatic Semi-Auto Torque Wrench
	ACLS200I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ACLS400I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ACLS800I3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ACLS75F3-3/8	×	American	Pneumatic Semi-Auto Torque Wrench
	ACLS130F3-1/2	×	American	Pneumatic Semi-Auto Torque Wrench