

DB/DBE/DBR

Direction Dial Indicating Torque Wrench



RoHS



DB12N4



DB100N



DBE700N



Memory Pointer, Red color point

DB Optional Accessories



846

Carrying Case (P.49)

Part #	Applicable Model Dimension [mm]	Weight [kg]
846	DB100N-S, CDB100N×15D-S or less H170 × W500 × D100	1.0
847	DB280N-S, CDB280N×22D-S or less H170 × W740 × D100	1.6

Inspection | Dial Indicating | Direct Reading | ISO6789:2003
2017

- Memory pointer for easy torque reading
- Ideal for torque measuring and quality check applications

Accuracy ±3%

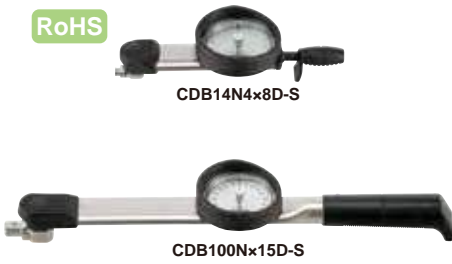
S.I. Model	Torque Range [N·m/kN·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in/lbf·ft]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
DB1.5N4-S	0.2-1.5	0.02	15DB4-S	2-15	0.2	DB13I-2AS	0-13	0.2			
DB3N4-S	0.3-3	0.05	30DB4-S	3-30	0.5	DB26I-2AS	0-26				
DB6N5-S	0.7-6	0.1	DB60M5-S	7-60	1	DB40I-2AS	0-40		205	6.35	0.4
DB12N5-S	1.4-12	0.2	DB120M5-S	14-120	2	DB75I-2AS	0-75	1			
DB25N5-1/4-S	3.5-25		DB250M5-1/4-S	35-250		DB150I-2AS	0-150	2	245		
DB25N5-S			DB250M5-S			DB150I-3AS					
DB50N-S	5-50	0.5	DB500M-S	50-500	5	DB300I-3AS	0-300	5			0.6
						DB25F-3AS	0-25	0.5		9.5	
						DB600I-3AS	0-600	10			
DB100N-3/8-S			DB1000M-3/8-S								
						DB50F-3AS	0-50	0.5			
	10-100	1		100-1000	10				400		0.7
						DB600I-4AS	0-600	10			
DB100N-S			DB1000M-S								
						DB50F-4AS	0-50	0.5			
DB200N-S	20-200	2	DB2000M-S	200-2000	20	DB100F-4AS	0-100	1	500	12.7	
				kgf·m	kgf·m						1.0
						DB175F-4AS	0-175	2	580		
DB280N5-1/2-S	35-280		DB2800M5-1/2-S	3.5-28						690	1.65
DB280N5-S			DB2800M5-S			DB250F-6AS	0-250				
DB420N-S	40-420	5	DB4200M-S	4-42	0.5	DB350F-6AS	0-350	5		890	2.5
DBE560N-S	50-560		DBE5600M-S	5-56						1100	4.0
DBE700N-S	70-700		DBE7000M-S	7-70		DB500F-6AS	0-500	10	1260		5.5
DBE850N-S	100-850	10	DBE8500M-S	10-85	1					1360	6.1
DBE1000N-S	100-1000		DBE10000M-S	10-100						1490	6.4
DBE1400N-S	200-1400	20	DBE14000M-S	20-140	2	DB1000F-8AS	0-1000			1740	8.6
DBE2100N-S	200-2100		DBE21000M-S	20-210		DB1500F-8AS	0-1500			2140	12.8
DBE2800N5-S	350-2800	50	DBE28000M5-S	35-280		DB2000F-12AS	0-2000	20		2380	16.8
											38.1
DBR4500N-S	0.5-4.5	0.05	45000DBR-S	50-450	5	DB3000F-12AS	0-3000	50	1285		26.5
DBR6000N-S	0.6-6	0.1	60000DBR-S	60-600					1585	44.5	27.5

- Note**
1. "Without memory pointer" models are available. Remove "-S" from the model name when ordering.
Ex. DB100N
 2. DBR models require winch or mechanical loading device.
 3. DBR Models are supplied upon request.
 4. For models having over 25.4mm square drive, use with a through-hole socket.
 5. Accuracy of American models is warranted from 20% of max. torque.
 6. DB1.5N4, DB3N4 and the equivalent metric models, American unit models come with ISO6789-2003 certificate.

CDB-S

Interchangeable Head Type Dial Indicating Torque Wrench

Direction



Inspection Dial Indicating Interchangeable Memory Pointer ISO6789:2003/2017

- Interchangeable head version of DB
- Ideal for torque measuring and quality inspections

Accuracy ±3%

Head Size	S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in/lbf·ft]		Overall Length [mm]	Weight [kg]
		Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.		
8D	CDB7N4x8D-S	0.7-7	0.1	CDB70Mx8D-S	7-70	1	70CDB4-A-S	6-60	1	215	0.45
	CDB14N4x8D-S	2-14	0.2	CDB140Mx8D-S	20-140	2	140CDB4-A-S	20-120	2		
10D	CDB25N5x10D-S	3.5-25	0.5	CDB250M5x8D-S	35-250	5	250CDB-A-S	30-220	5	255	0.48
12D	CDB50Nx12D-S	5-50		CDB500Mx12D-S	50-500		500CDB-A-S	40-430		330	0.53
15D	CDB100Nx15D-S	10-100	1	CDB1000Mx15D-S	100-1000	10	1000CDB-A-S	7-70	1	415	0.76
19D	CDB200Nx19D-S	20-200	2	CDB2000Mx15D-S	200-2000	20	2000CDB-A-S	14-140	2	525	1.0
22D	CDB300N5x22D-S	35-300	5	CDB300M5x22D-S	35-300	0.5	3000CDB-A-S	20-220	5	720	1.65
	CDB420Nx22D-S	40-420		CDB4200Mx22D-S	4-42		4200CDB-A-S	30-300		920	2.7

- Note
1. Overall length does not include interchangeable head.
 2. PH (Pipe wrench head) type interchangeable head is not available.
 3. Interchangeable heads are optional.
 4. American models come with ISO:6789-2003 certificate.

SCDB-S

European Style Interchangeable Head Type Dial Indicating Torque Wrench

Direction



Inspection Dial Indicating Interchangeable Memory Pointer ISO6789:2017

- Specialized version of DB
- Accepts DIN interchangeable head connection

Accuracy ±3%

S.I. Model	Torque Range [N·m]		Head Size [mm]	Overall Length [mm]	Weight [kg]
	Min.-Max.	Grad.			
SCDB25N5-9x12-S	3.5-25	0.5	9x12	271	0.48
SCDB50N-9x12-S	5-50		9x12	342	0.53
SCDB100N-9x12-S	10-100	1	9x12	422	0.76
SCDB200N-14x18-S	20-200	2	14x18	535	1

- Note
1. Overall length does not include interchangeable head.
 2. Applicable to European style head. Tohnichi's interchangeable heads are not available for SCDB-S.

T-S

T-Handle Dial Indicating Torque Wrench

Direction



Inspection Dial Indicating Direct Reading Memory Pointer ISO6789:2003/2017

- Dual handle for increased stability
- Memory pointer for easy reading

Accuracy ±3%

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in/lbf·ft]		Overall Length [mm]	Neck Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.				
T23N2-S	3.5-23	0.5	T230M2-S	35-230	5	T200I-3AS	20-200	2	205	71	9.5	0.41
T45N-S	5-45		T450M-S	50-450		T400I-3AS	50-400	5	261	82		0.53
T90N-S	10-90	1	T900M-S	100-900	10	T65F-4AS	10-65	1	376	102.5	12.7	0.8
T180N-S	20-180	2	T1800M-S	200-1800	20	T130F-4AS	20-130	2	656	118.5		1.2
T700N-S	70-700	10	7000T-S	7-70	1	7000T-A-S	50-500	5	1300		19.0	4
T1000N-S	100-1000		10000T-S	10-100		10000T-A-S	50-700		1630		4.8	
T1400N-S	200-1400	20	14000T-S	20-140	2	14000T-A-S	100-1000	10	1880		25.4	6.2
T2100N-S	200-2100		21000T-S	20-210		21000T-A-S	200-1500		2500		10	
T2800N-S	300-2800	50	28000T-S	30-280	5	28000T-A-S	200-2000	20	2960		38.1	15.5
T4200N-S	400-4200		42000T-S	40-420		42000T-A-S	400-3000		3660		21.5	

- Note
1. T700N-S to T4200N-S models are supplied upon request.
 2. For models having over 25.4mm square drive, use with a through-hole socket.
 3. American models come with ISO:6789-2003 certificate.

Torque Wrench for Quality Inspection

