

# DB/DBE/DBR

Direction Dial Indicating Torque Wrench



DB12N4



DB100N



DBE700N



Memory Pointer (Red needle)

Inspection Dial Indicating Direct Reading RoHS

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

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]	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	0.5	205	6.35	0.4
DB6N4-S	0.6-6	0.1	60DB4-S	6-60	1	DB40I-2AS	0-40	1			
DB12N4-S	1-12	0.2	120DB4-S	10-120	2	DB75I-2AS	0-75	1			
<b>NEW</b> DB25N-1/4-S	3-25	0.5	<b>NEW</b> 230DB3-1/4-S	30-250	5	<b>NEW</b> DB150I-2AS	0-150	2	245		
DB25N-S			230DB3-S			DB150I-3AS					
DB50N-S	5-50		450DB3-S	50-500		DB300I-3AS	0-300	5	320	9.5	
<b>NEW</b> DB100N-3/8-S	10-100	1	<b>NEW</b> 900DB3-3/8-S	100-1000	10	<b>NEW</b> DB600I-3AS	0-600	10	400	12.7	0.7
DB100N-S			900DB3-S			DB600I-4AS					
-	-	-	-	-	-	-	-	-	lbf-ft	lbf-ft	
-	-	-	-	-	-	DB25F-3AS	0-25		320	9.5	0.6
-	-	-	-	-	-	<b>NEW</b> DB50F-3AS	0-50	0.5	400		0.7
-	-	-	-	-	-	DB50F-4AS					
DB200N-S	20-200	2	1800DB3-S	200-2000	20	DB100F-4AS	0-100	1	500	12.7	1.0
-	-	-	-	-	-	DB175F-4AS	0-175	2	540		
<b>NEW</b> DB280N-1/2-S	30-280	5	<b>NEW</b> 2800DB3-1/2-S	3-28	0.5	-	-	-	690		1.65
DB280N-S			2800DB3-S			DB250F-6AS	0-250	5			
DB420N-S	40-420		4200DB2-S	4-42		DB350F-6AS	0-350		890	19.0	2.5
DBE560N-S	50-560		5600DBE2-S	5-56		-	-	-	1100		4.0
DBE700N-S	70-700		7000DBE2-S	7-70		DB500F-6AS	0-500	10	1260		5.5
DBE850N-S	100-850	10	8500DBE2-S	10-85	1	-	-	-	1360		6.1
DBE1000N-S	100-1000		10000DBE2-S	10-100		DB800F-8AS	0-800	10	1490	25.4	6.4
DBE1400N-S	200-1400	20	14000DBE2-S	20-140	2	DB1000F-8AS	0-1000		1740		8.6
DBE2100N-S	200-2100		21000DBE2-S	20-210		DB1500F-8AS	0-1500	20	2140		12.8
DBE2800N-S	300-2800		28000DBE2-S	30-280		DB2000F-12AS	0-2000		2380	38.1	16.8
DBR4500N-S	500-4500	50	45000DBR-S	50-450	5	DB3000F-12AS	0-3000	50	1285		26.5
DBR6000N-S	600-6000		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.

Direction CDB-S Interchangeable Head Type Dial Indicating Torque Wrench



CDB14N4x8D-S



CDB100N15D-S

Inspection Dial Indicating Interchangeable Direct Reading Memory Pointer RoHS

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

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]	Tohnichi Head Size
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
CDB7N4x8D-S	0.7-7	0.1	70CDB4-S	7-70	1	70CDB4-A-S	6-60	1	215	0.45	8D
CDB14N4x8D-S	2-14	0.2	140CDB4-S	20-140	2	140CDB4-A-S	20-120	2			
CDB25N10D-S	3-25	0.5	250CDB-S	30-250	5	250CDB-A-S	30-220	5	255	0.48	10D
CDB50N12D-S	5-50		500CDB-S	50-500		500CDB-A-S	40-430		330	0.53	12D
CDB100N15D-S	10-100	1	1000CDB-S	100-1000	10	1000CDB-A-S	7-70	1	415	0.76	15D
CDB200N19D-S	20-200	2	2000CDB-S	200-2000	20	2000CDB-A-S	14-140	2	525	1.0	19D
CDB300N22D-S	30-300	5	3000CDB-S	3-30	0.5	3000CDB-A-S	20-220	5	720	1.65	22D
CDB420N22D-S	40-420		4200CDB-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 for this model.
  3. Interchangeable heads are optional.

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# SCDB-S

European Style  
Interchangeable  
Head Type  
Dial Indicating  
Torque Wrench

Direction



SCDB50N-S

Inspection Dial Indicating Interchangeable Direct Reading Memory Pointer RoHS

- 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.			
SCDB25N-9x12-S	3-25		9x12	271	0.48
SCDB50N-9x12-S	5-50	0.5	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 this model.

# T-S

T-Handle Dial Indicating  
Torque Wrench

Direction



T90N-S

Inspection Dial Indicating Direct Reading Memory Pointer RoHS

- 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.				
T23N-S	3-23		230T-S	30-230		T200I-3AS	20-200	2	205	71	9.5	0.41
T45N-S	5-45	0.5	450T-S	50-450	5	T400I-3AS	50-400	5	261	82		0.53
							lbf·ft	lbf·ft				
T90N-S	10-90	1	900T-S	100-900	10	T65F-4AS	10-65	1	376	102.5		0.8
T180N-S	20-180	2	1800T-S	200-1800	20	T130F-4AS	20-130	2	656	118.5		1.2
				kgf·m	kgf·m							
T700N-S	70-700		7000T-S	7-70		7000T-A-S	50-500		1300		19.0	4
T1000N-S	100-1000	10	10000T-S	10-100	1	10000T-A-S	50-700	5	1630			4.8
T1400N-S	200-1400		14000T-S	20-140		14000T-A-S	100-1000	10	1880		25.4	6.2
T2100N-S	200-2100	20	21000T-S	20-210	2	21000T-A-S	200-1500		2500			10
T2800N-S	300-2800		28000T-S	30-280		28000T-A-S	200-2000	20	2960			15.5
T4200N-S	400-4200	50	42000T-S	40-420	5	42000T-A-S	400-3000	50	3660		38.1	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.