

SPECIFICATIONS

Accuracy ±3%

S.I.MODEL		CL2NX8D	CL5NX8D	CL10NX8D	CL15NX8D	CL25NX10D	
TORQUE RANGE [N · m]	MIN.~MAX.	0.4~2	1~5	2~10	3~15	5~25	
	GRAD.	0.02	0.05	0.1		0.2	
METRIC MODEL		20CL	50CL	100CL	150CL	225CL5	
TORQUE RANGE [kgf · cm]	MIN.~MAX.	4~20	10~50	20~100	30~150	50~250	
	GRAD.	0.2	0.5	1		2.5	
AMERICAN MODEL		CL15IX8D	CL30IX8D	CL50IX8D	CL100IX8D	CL200IX10D	
TORQUE RANGE [lbf · in]	MIN.~MAX.	3~15	6~30	10~50	20~100	50~200	
	GRAD.	0.1	0.2	0.5		2.5	
APPLICABLE BOLT	COMMON STEEL	M4	M5, M6	(M7)	(M8)		
	HIGH TENSION	(M3.5)	(M4.5)	M6	(M6)M7	(M7)	
MAX. HAND FORCE [N]		14.5	36.4	61.5	92.3	133.7	
DIMENSION [mm]	EFFECTIVE LENGTH	L	137.5		162.5		187
	OVERALL LENGTH	L'	173.5		198.5		216
	HEAD	d3	8				10
	BODY	m	19				
		n	9.2				
		d	15				
D		37					
WEIGHT [kg]		0.24		0.26		0.3	

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S.I.MODEL		CL50NX12D	CL50NX15D	CL100NX15D	CL140NX15D	CL200NX19D	CL280NX22D	CL420NX22D	
TORQUE RANGE [N · m]	MIN.~MAX.	10~50		20~100	30~140	40~200	40~280	60~420	
	GRAD.	0.5		1		2			
METRIC MODEL		450CL3	500CL3	900CL3	1400CL3	1800CL3	2800CL3	4200CL3	
TORQUE RANGE [kgf · cm/kgf · m]	MIN.~MAX.	kgf · cm 100~500		200~1000	300~1400	400~2000	kgf · m 4~28	6~42	
	GRAD.	kgf · cm 5		10		20	kgf · m 0.2	0.5	
AMERICAN MODEL		450CL3-A	500CL3-A	900CL3-A	1400CL3-A	1800CL3-A	2800CL3-A	4200CL3-A	
TORQUE RANGE [lbf · in/lbf · ft]	MIN.~MAX.	lbf · in 100~400	100~450	200~800	lbf · ft 30~100	30~150	30~200	60~300	
	GRAD.	lbf · in 5		lbf · in 10	lbf · ft 1	lbf · ft 2			
APPLICABLE BOLT	COMMON STEEL	M10		M12 (M14)	M16	(M18)	M20	(M22) M24	
	HIGH TENSION	M8		M10	M12	(M14)	M16	(M18)	
MAX. HAND FORCE [N]		238	227	339	397	449	424	442	
DIMENSION [mm]	EFFECTIVE LENGTH	L	210	220	295	353	445	660	950
	OVERALL LENGTH	L'	230	235	310	370	455	655	940
	HEAD	d3	12	15			19	22	
	BODY	m	25.5		28		35		38.6
		n	11.2		12.2		15		16.1
		d	20		21.7		27.2		30
D		38.5		40		51.5		45	
WEIGHT[kg]		0.37		0.52	0.67	1.2	1.8	3.1	

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Accuracy $\pm 3\%$

S.I.MODEL			CLE550N2X27D	CLE750N2X27D	CLE850N2X32D	CLE1200N2X32D	
TORQUE RANGE [N · m]	MIN. ~ MAX.		100~550	150~750	200~850	300~1200	
	GRAD.		5				
METRIC MODEL			5500CLE2	7500CLE2	8500CLE2	12000CLE2	
TORQUE RANGE [kgf · m]	MIN. ~ MAX.		10~55	15~75	20~85	30~120	
	GRAD.		0.5				
AMERICAN MODEL			CLE400FX27D	CLE550FX27D	CLE600FX32D	CLE900FX32D	
TORQUE RANGE [lbf · ft]	MIN. ~ MAX.		100~400	150~550	150~600	200~900	
	GRAD.		5				
APPLICABLE BOLT	COMMON STEEL		M24	(M27)	M30	(M33)	
	HIGH TENSION		M20	(M22)	M24	(M27)	
MAX. HAND FORCE [N]			464.1	564.8	623.2	794.2	
DIMENSION [mm]	EFFECTIVE LENGTH	L	1185	1328	1364	1511	
	OVERALL LENGTH	L'	1148	1291	1297	1464	
	HEAD	d3	27		32		
	BODY	m	42	44		52	
		n	18				20
		d	33	34		40	
		D	27.2		30		
		ℓ0	802	849	855	971	
ℓ1		60				80	
ℓ2	426	524		625			
WEIGHT[kg]			3.9	4.9	5.1	7.6	

Notes

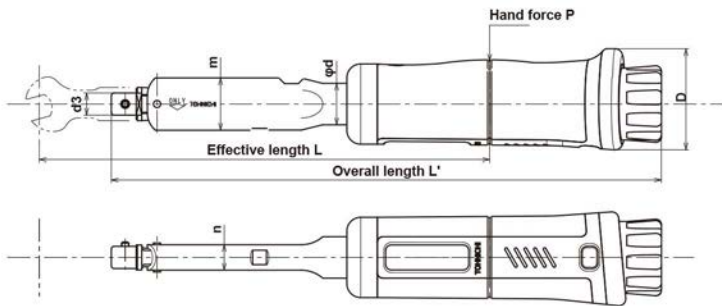
If metal handle is desired, please see [Model CL-MH](#) page.

Overall length does not include interchangeable head.

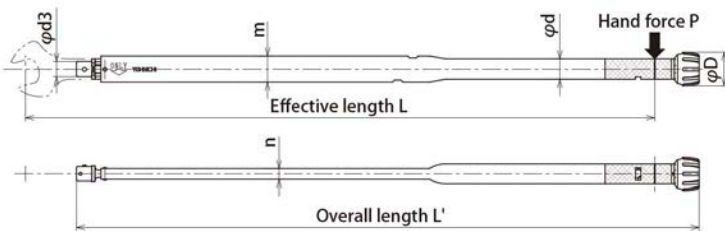
Interchangeable heads are sold separately.

PH type interchangeable head is not available for this model.

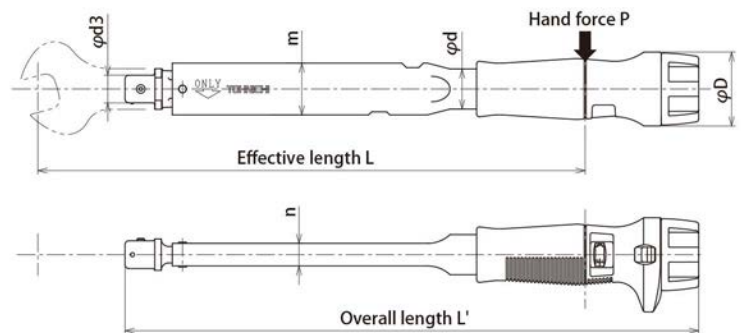
DIMENSIONS



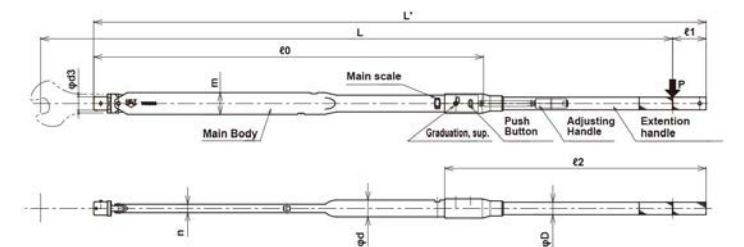
CL2N~25N5



CL420N



CL50N~280N



CLE550N2~1200N2