

SF/F/FR

Beam Type
Torque
Wrench

Direction



RoHS



SF6N



F92N

Inspection Beam Direct Reading ISO6789:2003

- Direct reading torque wrench with scale plate
- For measuring and tightening applications

Accuracy ±3%

S.I. Model	Torque Range [N·m/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.			
SF40CN	8-40	2	4SF	0.8-4	0.2	4SF-A	0-3.4	0.2	115		0.04
SF70CN	10-70		7SF	1-7		7SF-A	0-6		135		0.05
SF1.5N	0.2-1.5	0.05	15SF	2-15	0.5	15SF-A	0-13	0.5	145	6.35	0.07
SF3N	0.5-3	0.1	30SF	5-30	1	30SF-A	0-26	1	175		0.09
SF6N	0.6-6	0.2	60SF	6-60	2	60SF-A	0-50	2	205		0.2
SF12N	2-12		120SF	20-120		120SF-A	0-100		235		0.25
F23N	3-23	0.5	230F	30-230	5	230F-A	0-200	5	295		0.4
F46N	5-46	1	460F	50-460	10	460F-A	0-400	10	355	9.53	0.6
F92N	10-92						lbf·ft				
F130N	20-130	2	920F	100-920	20	920F-A	10-66	2	400		0.95
F190N	30-190		1300F	200-1300		1300F-A	10-95		445	12.7	1.2
			1900F	300-1900	50	1900F-A	25-135		490		1.5
F280N	50-280	5		kgf·m	kgf·m						
F420N	70-420		2800F	5-28	0.5	2800F-A	30-200	5	565		2.2
F560N	100-560	10	4200F	7-42		4200F-A	30-300		825	19.05	3.5
F700N	100-700		5600F	10-56	1	5600F-A	50-400	10	945		4.0
F850N	100-850		7000F	10-70		7000F-A	50-500		1175		6.0
F1000N	100-1000		8500F	10-85		8500F-A	60-600		1410		7.8
FR1050N	100-1050	20	10000F	10-100	2	10000F-A	70-700	20	1640		8.8
FR1400N	200-1400		10500FR	10-105		10500FR-A	100-750		835	25.4	8
FR2100N	300-2100		14000FR	20-140		14000FR-A	100-1000		981		11.5
FR2800N	300-2800	50	21000FR	30-210	5	21000FR-A	200-1500	50	1148		14.5
FR4200N	400-4200		28000FR	30-280		28000FR-A	200-2000		1292		20
FR6000N	600-6000	100	42000FR	40-420	10	42000FR-A	300-3000		1460	38.1	28
			60000FR	60-600		60000FR-A	400-4300		1624		30

Note

1. FR models are supplied upon request.
2. FR models require winch or mechanical loading device.
3. For models having over 25.4mm square drive, use with a through-hole socket.
4. Accuracy of American models is warranted from 20% of max. torque.

CSF/CF

Interchangeable
Head Beam Type
Torque Wrench

Direction



RoHS



CSF7N×8D



CF25N×10D

Inspection Beam Interchangeable Direct Reading ISO6789:2003

- Interchangeable head version of SF/F
- For measuring and tightening applications

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	CSF7N×8D	1-7	0.2	70CSF	10-70	2	70CSF-A	10-60	2	220	0.2
	CSF14N×8D	2-14	0.5	140CSF	20-140	5	140CSF-A	20-120	5	250	0.25
10D	CF25N×10D	5-25	1	250CF	50-250	10	250CF-A	40-220	10	320	0.4
12D	CF50N×12D	10-50		500CF	100-500		500CF-A	80-420	20	380	0.6
			2			20		lbf·ft	lbf·ft		
15D	CF100N×15D	10-100		1000CF	100-1000		1000CF-A	6-70	2	435	1.0
19D	CF150N×19D	20-150		1500CF	200-1500	50	1500CF-A	15-110		480	1.3
			5		kgf·m	kgf·m					
22D	CF230N×22D	30-230		2300CF	3-23	0.5	2300CF-A	20-160	5	530	1.6
	CF420N×22D	70-420	10	4200CF	7-42	1	4200CF-A	30-300		725	3.1
32D	CF850N×32D	100-850	20	8500CF	42-85	2	8500CF-A	60-600	20	1260	7.1

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.

QF/QFR

Ratchet Head
Beam Type
Torque Wrench

Direction



RoHS



QF120N

Inspection Beam Ratchet Head Direct Reading ISO6789:2003

- Fixed ratchet head flat beam style
- Ideal for working in narrow spaces

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]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
QF60N	6-60	1	600QF	60-600	10	600QF-A	0-520	10	455	9.53	0.8
QF120N	10-120	2	1200QF	100-1200	20	1200QF-A	6-86	2	515	12.7	1.2
QF220N	30-220	5	2200QF	300-2200	50	2200QF-A	25-160		580		1.8
				kgf·m	kgf·m						
QF320N	60-320		3200QF	6-32		3200QF-A	40-230	5	655		2.6
QF420N	70-420		4200QF	7-42		4200QF-A	30-300		825		3.4
QF560N	100-560	10	5600QF	10-56	1	5600QF-A	50-400		950	19.05	4.3
QF700N	100-700		7000QF	10-70		7000QF-A	50-500	10	1170		6.5
QF850N	100-850		8500QF	10-85		8500QF-A	60-600		1400		8.5
QFR1050N	100-1050	20	10500QFR	10-105	2	10500QFR-A	100-750	20	845	25.4	8.5
QFR1400N	200-1400		14000QFR	20-140		14000QFR-A	100-1000		992		12.5
QFR2100N	300-2100		21000QFR	30-210		21000QFR-A	200-1500		1158		15.5
QFR2800N	300-2800	50	28000QFR	30-280	5	28000QFR-A	200-2000	50	1305		21
QFR4200N	400-4200		42000QFR	40-420		42000QFR-A	300-3000		1473	38.1	30
QFR6000N	600-6000	100	60000QFR	60-600	10	60000QFR-A	400-4300		1624		32

Note

1. QFR models are supplied upon request.
2. QFR models require winch or mechanical loading device.
3. For models having over 25.4mm square drive, use with a through-hole socket.