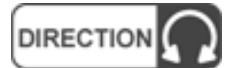
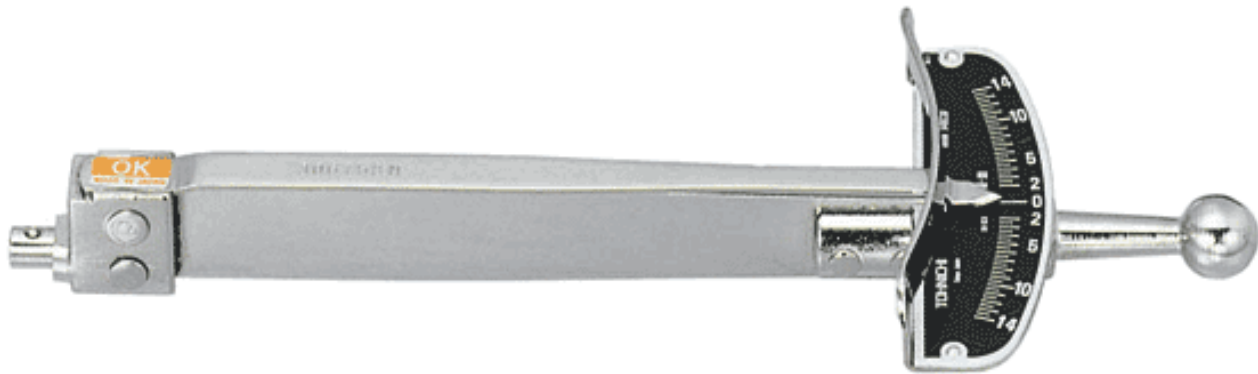


CSF



Interchangeable head indicate type.



Select proper model according to unit of measure as following color code :

S.I. = Metric = American =

Accuracy $\pm 3\%$

Model			Torque Range						Hand force at Max. Torque	Effective Lgth.	Overall Lgth.		Weight approx.		Interchangeable Heads		
			Min.-Max.			graduation											
S.I.	Metric	American	S.I.	Metric	American	S.I.	Metric	American	N	lb.	mm	in.	mm	in.	kg	lb.	
CSF7N X 8D	70CSF	70CSF-A	N.m 1-7	kgf.cm 10-70	in.lbs 10-60	N.m 0.2	kgf.cm 2	in.lbs 2	30	6 31/64	235	9 1/4	215	8 15/32	0.2	29/64	(SH, RH, QH, HH) 8D
CSF14N X 8D	140CSF	140CSF-A	2-14	20-140	20-120	0.5	5	5	55	11 3/4	260	10 7/32	240	9 7/16	0.25	9/16	(SH, RH, QH, HH, DH) 10D
CSF25N X 10D	250CF	250CF-A	5-25	50-250	40-220	1	10	10	80	17 47/64	315	12 13/32	320	12 19/32	0.4	57/64	(SH, RH, QH, HH, DH) 10D
CSF50N X 12D	500CF	500CF-A	10-50	100-500	80-420	2	20	20	135	28 13/32	375	14 25/32	380	14 31/32	0.6	1 5/16	(SH, RH, QH, RQH, HH, DH) 12D
CSF100N X 15D	1000CF	1000CF-A	10-100	100-1000	ft.lbs 6-70	2	20	ft.lbs 2	230	49 1/16	435	17 1/8	430	16 15/16	1.0	2 7/32	(SH, RH, QH, RQH, HH, DH, FH) 15D
CSF150N X 19D	1500CF	1500CF-A	20-150	200-1500	15-110	5	kgf.m 0.5	5	310	68 15/32	490	19 9/32	480	18 29/32	1.3	2 7/8	(SH, RH, QH, RQH, HH, DH, FH) 19D
CSF230N X 22D	2300CF	2300CF-A	30-230	kgf.m 3-23	20-160	5	kgf.m 0.5	5	420	87 29/32	555	21 27/32	525	20 11/16	1.6	3 17/32	(SH, RH, QH, RQH, HH, DH, FH) 22D
CSF420N X 22D	4200CF	4200CF-A	70-420	7-42	30-300	10	1	1	570	121 29/32	750	29 17/32	715	28 5/32	3.1	6 27/32	(SH, RH, QH, RQH, HH, DH, FH) 22D
CSF850N X 32D	8500CF	8500CF-A	100-850	10-85	60-600	20	2	20	670	139 19/32	1310	51 37/64	1260	49 5/8	7.1	15 21/32	(SH, RH, QH) 32D

NOTE

- Overall length does not include interchangeable head.
- PH type interchangeable head is not available for this model.
- For CSF7N-230N the models with memory pointer are available.
- Add "-S" for the model with memory pointer when ordering.



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