

TORKOSCAR®

**PRODUCT
CATALOGUE**

**Wide Range
of Hand
& Torque
Tools**



www.torkoscar.com

Company profile

Torkoscar is the leading torque wrench manufacturer with offering the wide range of products in torque tools. With years of experience in the development and production we've earned high reputation from our global customers. Through continuous investing in the product innovation and technology integration, we are recognized as masters in professional tools manufacturers. We carefully design and manufacture to exacting standards that will continue to make **TORKOSCAR** the #1 choice for professional users worldwide.

Manufacturing Process

The manufacturing management is extremely important for the quality products. Torkoscar focuses not only on Process Control Assembly Service, but also on Quality Assurance and Supply Chain Management.

Especially, the production of consistent products contain from continuous process operation. It includes tube extrusion, grinding, milling, lathing, drilling, grooving, heat-treatment, polishing, sand blasting, electro-plating, laser, assembly, calibration, packaging to final quality inspection. All our products are calibrated and tested by the computer-controlled calibration testers, our torque wrenches are fully complied with DIN ISO 6789 and ASME B107.300-2010.

Our commitments

We commit to bring new and innovative tools with the same trust and quality that the **TORKOSCAR** brand stands for continues and even stronger.

Vision

TORKOSCAR is endeavor to be the expertise in the torque industry and used to carrying out each step in great caution. We will achieve the next new milestone based on our experienced staffs, excellent customers, dedicated service and potential growth momentum.

This catalogue showcases an extensive range of Torque tools/ special tools with the highest number of new additions ever.





Aluminium Torque Wrench

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Gear Wrench

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ALUMINIUM TORQUE WRENCH



- 01** Output Square Drive :
Chrome - molybdenum alloy steel brings better strength, toughness, stability, longer life cycle.
- 02** Mechanism :
Integrated 3-lever chain mechanism brings length independence, greater sensitivity, high accuracy and a long-life cycle.
- 03** Main body :
*Made of high intensity aluminium alloy
The weight of Aluminium is extremely lighter than steel, better for long-time operation.
Chrome-plated finish strengthens the material hardness & anti-collision*
- 04** Loud click sound and strong impulse when required torque reached.
- 05** Dual-scale windows for torque measurement (Nm & Ft-lbs)
- 06** Ergonomic handgrip enables safe work and less operation fatigue.
- 07** Energy saving torque-adjusting design quick pull out and easy to adjust with unique crank.
- 08** Suitable for Heavy Industries, Aerospace, Wind Power and Automation industries.

Technical Features / Use

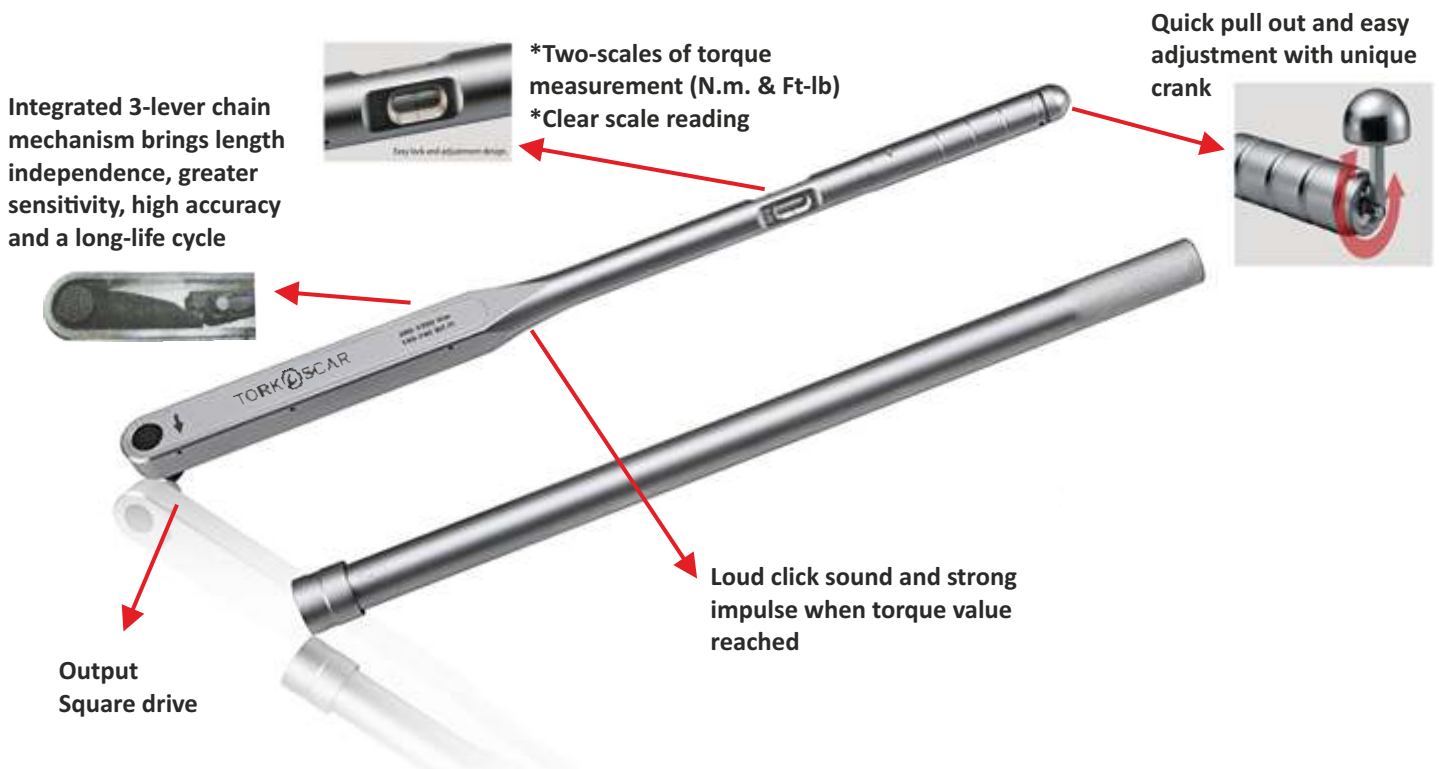
- For use in almost all Industrial manufacturing areas.
- Tolerance of torque $\pm 3\%$.
- Lightweight and robust (housing made of aluminium alloy).
- Multi-lever mechanism brings length independence and accurate torque.
- Loud click sound and strong impulse when torque value reached.
- Easy operation fast & safe torque tightening.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.

Regardless of wherever you apply the force, at the center of the handgrip or part of the torque wrench with both hands or using an extension tube, your torque setting will be attained, without shifts in value



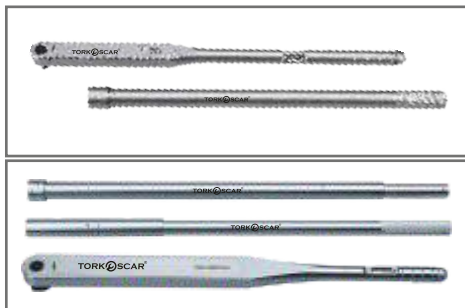
Main Body :

1. Made of high-strength aluminium alloy.
2. Special T6 heat-treatment to increase the strength
3. Chrome plated finish extends tool life & long life-cycle if used intensely.



Technical Features / Use

- Lightweight & robust (as housing is made of aluminium alloy) & resilient, very workshop-friendly.
- Extremely low wear attributable to reduced forces in the lever mechanism.
- Easy operation-fast and safe torque tightening.
- Long life cycles and tool life.
- Easy adjustment & attractive adjusting button secured against loss at the end of the handle.



Model No.	Square drive	Nm	lbf.in	Graduation	g	L(mm)
BS-5172	3/8"	8-40	70-350	5Nm	1000	260

Model No.	Square drive	Nm	lbf.in	Graduation	g	L(mm)
BS-5221	1/2"	20-120	15-90	5Nm	2000	470
BS-5272	1/2"	40-200	30-150	5Nm	1500	563
BS-5232	1/2"	50-300	35-220	5Nm	2500	630
BS-5321	3/4"	110-550	80-400	10Nm	3000	827
BS-5372	3/4"	140-760	100-560	10Nm	3000	827
BS-5332	3/4"	200-1000	140-740	10Nm	3800	1413

Model No.	Square drive	Nm	Graduation	g	L(mm)
BS-3221	1"	600-1500	25	10900	1615
BS-3272	1"	750-2000	50	11700	2370
BS-3273	1 1/2"	1500-3000	50	10000	2300

Technical Features / Use


- Lightweight & robust (as the housing is made of an aluminium alloy) and resilient, very workshop-friendly
- Depending of the application , access is possible from the front
- Large drive cross-section transfers maximum torques
- Extremely low wear attributable to reduced forces in the lever mechanism
- Easy operation-fast and safe torque tightening.



Model No.	Ømm	Nm	Graduation	g	L(mm)
BS-3441	16mm	25-120	5Nm	1500	400
BS-3442 F	16mm	50-400	5Nm	2000	550
BS-3442	16mm	80-400	5Nm	2000	550
BS-3443	22mm	140-620	10Nm	3000	750

Aluminium torque wrenches are widely used for variety of applications in controlled screw tightening. Single square drive for controlled clockwise tightening. Because of high strength aluminium alloy material and integrated 3-lever chain mechanism design, it brings Super-Lightweight, Super-Loud, Super-Safe and Super-Strong benefits to the users. It's especially recommended for wind-power, aviation, machinery and automation industries.



Material	High Strength Aluminium Alloy
Direction	Clockwise
Torque Setting	Pullout & Adjust 
Mechanism	3-lever chain mechanism
Click Sound	Strong Loud & Clear
Length Independence	Yes (More Safe)
Weight (ex:3/4" 560 ft-lb)	3.0 kgs (weight less than 210%)
Accuracy	+/- 3%
Application	Wind-power.Aviation.Vessel Machinery.Automation

Technical Features / Use

- Adjustable, releasing and study tubular torque wrench with integrated ratchet for industry and trades.
- Tolerance of torque $\pm 3\%$.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Easily readable dual scale N-m/ lbf-ft below a window.
- Loud click sound and strong impulse when required torque is reached.
- Non-slip knurled handle design.



Model No.	Square drive	Teeth	ft-lb(in-lb) / Nm	Graduation	L (mm)	G
BS-2691C	1/4"	64T	10-60/1.4-6.5	0.5	210	300
BS-2692C			30-150/4-16.4	1.0	210	300
BS-2693C			50-250/6.8-27.1	2.0	248	340
BS-36913	3/8"	64T	10-60/1.4-6.5	0.5	210	300
BS-36923			30-150/4-16.4	1.0	210	300
BS-36933			50-250/6.8-27.1	2.0	248	340
BS-3691C	3/8"	32T	10-80/17-105.1	0.5	433	1020
BS-3692C			20-100/33.9-128.8	1.0	433	1020
BS-4691C			20-150/34-197	1.0	530	1020
BS-4692C	1/2"	32T	30-250/48-332	1.0	610	1650
BS-4698C			20-100/33.9-128.8	1.0	433	1020
BS-6691C			50-450/102-576	5.0	1050	1800
BS-6692C	3/4"	24T	100-600/169-779	5.0	1240	5300
BS-6693C			150-750/237-983	5.0	1240	6400
BS-8691C			100-600/169-779	5.0	1240	6400
BS-8692C	1"	24T	150-750/237-983	5.0	1240	6400
BS-8693C			200-1000/305-1322	5.0	1850	10600

Model No.	Square drive	Teeth	Nm/ft-lb	Graduation	L (mm)	G
BS-2691F	1/4"	64T	1-6/11.1-50.9	0.05	210	300
BS-2692F			3-15/31-128	0.1	210	300
BS-2693F			5-25/53-212	0.2	248	340
BS-36916	3/8"	64T	1-6/11.1-50.9	0.05	210	300
BS-36926			3-15/31-128	0.1	210	300
BS-36936			5-25/53-212	0.2	248	340
BS-3691F	3/8"	32T	10-60/9.2-42.4	0.5	370	840
BS-3692F			20-100/16.6-71.9	0.5	433	1020
BS-4691F			40-200/33-144	1.0	530	1650
BS-4692F	1/2"	32T	60-340/52-243	2.0	610	1800
BS-4693F			50-350/44-251	2.0	610	1800
BS-4694F			80-400/66-288	2.0	610	1800
BS-4695F	1/2"	32T	60-420/52-302	2.0	610	1800
BS-4698F			20-100/16.6-71.9	0.5	433	1020
BS-6691F			100-600/92-424	5.0	1050	5300
BS-6692F	3/4"	24T	150-800/129-572	5.0	1240	6400
BS-6693F			200-1000/166-719	5.0	1240	6400
BS-8691F			150-800/129-572	5.0	1240	6400
BS-8692F	1"	24T	200-1000/166-719	5.0	1240	6400
BS-8693F			300-1500/258-1070	10	1850	10600

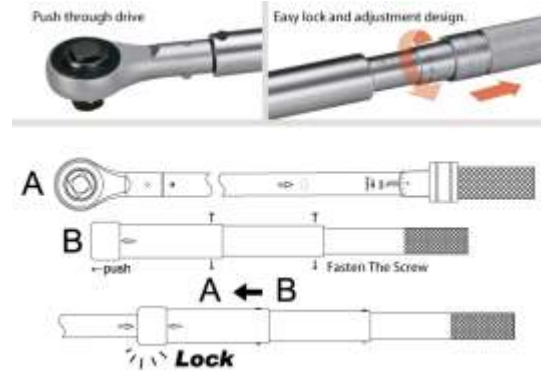
INDUSTRIAL TORQUE WRENCH



- 01 *Round head: Highly robust mechanism with inner 4 pawls mechanism design to bear large output value, without plate and screws to avoid loosening while operation. Push-through square drive.*
- 02 *Reliable mechanism: Robust and resistant fully chrome steel tube is ideal for industrial use. An audible and palpable signal indicates automatically when the desired torque value is achieved.*
- 03 *Serial number: Each piece stamped serial number for traceability.*
- 04 *Scales: Easy to read laser scales with multi units and double scales for different industrial need.*
- 05 *Micrometer scales: Very precise adjustment by visible micrometer laser scales on handle ensure optimal and simplified readings while operation. The micrometer scales for precision adjustment is in integral values, it is easy for user to take round figure while operation.*
- 06 *Lock ring: Easy torque adjustment by pressing down the lock-ring, brings energy saving and automatically lock device to avoid accidentally altering setting.*
- 07 *Extension bar: It is necessary to connect 3 extension bars while operation. The easy lock design, to insert extension bar until locking position.*

Technical Features / Use

- Adjustable, releasing and study tubular torque wrench with integrated ratchet and with square drive for industry and trades.
- Tolerance of torque $\pm 3\%$.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Loud click sound and strong impulse when required torque is reached.
- Push to mechanism ratchet.
- Non-slip knurled handle design.



Model No.	Square drive	Teeth	Nm	Graduation	L(mm)	G
BS-8222D	■		400-2000	20	2300	18300
BS-8223D	1"	36T	500-2500	20	2755	19600

Model No.	Square drive	Teeth	ft-lb	Graduation	L(mm)	G
BS-8222E	■		300-1500	10	2300	18300
BS-8223E	1"	36T	400-2000	10	2755	19600

Model No.	Square drive	Teeth	Nm/ft-lb	Graduation	L(mm)	G
BS-8222F	■		400-2000/369-1402	20	2300	18300
BS-8223F	1"	36T	500-2500/433-1771	20	2755	19600

Model No.	Square drive	Teeth	ft-lb/Nm	Graduation	L(mm)	G
BS-8222C	■		300-1500/475-1966	10	2300	18300
BS-8223C	1"	36T	400-2000/610-2644	10	2755	19600

Technical Features / Use

- Adjustable, releasing and study tubular torque wrench with integrated ratchet and with square drive for industry and trades.
- Tolerance of torque $\pm 3\%$.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Loud click sound and strong impulse when required torque is reached.
- Push to mechanism ratchet.
- Non-slip knurled handle design.

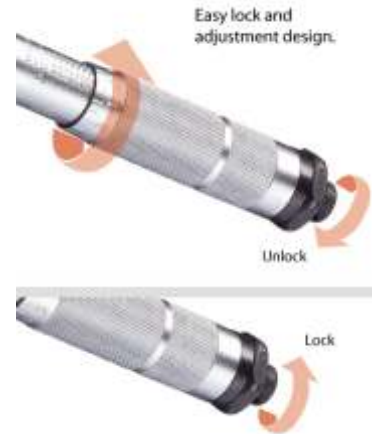


Model No.	Square drive	ft-lb/ Nm	Graduation	L (mm)	G
BS-3791C	3/8"	10-80/17-105.1	0.5	432	1070
BS-3792C		20-100/33.9-128.8	1.0	432	1070
BS-4791C	1/2"	20-150/34-197	1.0	509	1560
BS-4792C		30-250/48-332	1.0	589	1710

Model No.	Square drive	Nm / ft-lb	Graduation	L (mm)	G
BS-3791F	3/8"	10-60/9.2-42.4	0.5	369	890
BS-3792F		20-100/16.6-71.9	0.5	432	1070
BS-4791F	1/2"	40-200/33-144	1.0	509	1560
BS-4792F		60-340/52-243	2.0	589	1710
BS-4793F		50-350/44-251	2.0	589	1710
BS-4794F		80-400/66-288	2.0	589	1710
BS-4795F		60-420/52-302	2.0	589	1710

Technical Features / Use

- Adjustable, releasing and study tubular torque wrench with integrated ratchet and with square drive for industry and trades.
- Tolerance of torque $\pm 4\%$.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Loud click sound and strong impulse when required torque is reached.
- Fixed ratchet for both clockwise and counterclockwise directions.
- Non-slip knurled handle design.



Model No.	Square drive	Teeth	Nm / kgf-m (kgf-cm)	Graduation	L (mm)	G
BS-2231A	1/4"	24T	5-25/51-255	0.2	275	595
BS-3231A			5-25/51-255	0.2	275	595
BS-3232A	3/8"	24T	20-110/2.04-11.22	1.0	370	830
BS-3236A			10-110/1.02-11.22	1.0	370	830
BS-4231A			42-210/4.3-21.4	1.4	450	1316
BS-4232A	1/2"	24T	50-350/5.1-35.7	3.0	570	1658
BS-4236A			28-210/2.9-21.4	1.4	450	1316

Model No.	Square drive	Teeth	ft/lb (in-lb)/Nm	Graduation	L (mm)	G
BS-2231C	1/4"	24T	25-250/12-28.2	1.5	275	595
BS-3231C			25-250/12-28.2	1.5	275	595
BS-3232C	3/8"	24T	5-80/6.8-108.5	0.5	370	830
BS-4231C			10-150/13.6-203.4	1.0	450	1316
BS-4232C	1/2"	24T	30-250/40.7-339.0	2.0	570	1658

Model No.	Square drive	Teeth	ft/lb (in-lb) / kgf-m (kgf-cm)	Graduation	L (mm)	G
BS-2231B	1/4"	24T	25-250/29-288	1.5	275	595
BS-3231B			25-250/29-288	1.5	275	595
BS-3232B	3/8"	24T	5-80/0.7-11.1	0.5	370	830
BS-4231B			10-150/1.4-20.8	1.0	450	1316
BS-4232B	1/2"	24T	30-250/4.2-34.6	2.0	570	1658

Model No.	Square drive	Teeth	Nm / ft-lb (in-lb)	Graduation	L (mm)	G
BS-2231F	1/4"	24T	5-25/44.3-221.3	0.2	275	595
BS-3231F			5-25/44.3-221.3	0.2	275	595
BS-3232F	3/8"	24T	20-110/14.8-81.1	1.0	370	830
BS-4231F			42-210/31-154.9	1.4	450	1316
BS-4232F	1/2"	24T	50-350/36.9-258.1	3.0	570	1658
BS-4236F			28-210/20.7-154.9	1.4	450	1316

ADJUSTABLE TORQUE WRENCH



01 (a) Ratchet Head : Chrome-vanadium alloy steel brings better strength and life cycle.
 (b) Drive : Chrome-molybdenum alloy steel brings better stability and reliability.
 (c) Quick release button for easy operation.
 (d) Accuracy of torque +/-3%; Quality meets DIN ISO 6789 & ASME B107.300-2010.

02 Steel Tube : Carburizing process for better strength and life cycle.
 Electroplated finish for anti-corrosion and anti-abrasion.
 Thin head & flat tube is suitable for narrow working environment.
 A laser-marked arrow pointed towards CW direction to avoid improper use.
 Loud click sound and strong impulse when required torque is reached.

03 Engraved serial no's. for quality tracing purpose.

04 Dual scale window for easy readable of two different units.

05 Micrometer scale for more accurate torque value setting.

06 Ergonomic and non-slip NBR grip

07 Turn switch CCW direction to "UNLOCK" the wrench for torque setting;
 turn switch CW direction to "LOCK".

Technical Features / Use

- Adjustable, releasing and study tubular torque wrench with integrated ratchet and with square drive for industry and trades.
- Tolerance of torque $\pm 3\%$.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Easily readable dual scale N-m/ lbf-ft below a window.
- Loud click sound and strong impulse when required torque is reached.
- Locking button enables reliable locking of the torque setting.



Model No.	Square drive	Torque Range		G	L(mm)
		Nm	ft-lb (in-lb)		
BS-2672F	1/4"	4-20	36-180	420	300
BS-3671F	3/8"	4-20	36-180	420	300
BS-3672F		20-100	15-74	860	460
BS-4671F	1/2"	40-200	30-148	1080	510
BS-4672F		60-340	45-250	1230	610

Technical Features / Use

- Adjustable, releasing and study tubular torque wrench with integrated ratchet and with square drive for industry and trades.
- Tolerance of torque $\pm 3\%$.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Easily readable dual scale N-m/ lbf-ft below a window.
- Loud click sound and strong impulse when required torque is reached.
- Locking button enables reliable locking of the torque setting.



Model No.	Square drive	Teeth	Nm	lb-ft	Graduation	G	L(mm)
BS-2252R	1/4"	24T	2-25	1.5-18	0.1	410	296

Model No.	Square drive	Teeth	Nm	lb-ft	Graduation	G	L(mm)
BS-3252R	3/8"	24T	5-50	3.5-37	0.25	470	333

Model No.	Square drive	Teeth	Nm	lb-ft	Graduation	G	L(mm)
BS-5227R	1/2"	32T	10-100	8-75	0.5	820	400
BS-4252R			20-200	10-150	1.0	1300	500
BS-4253R			60-300	45-220	1.0	1470	635

ADJUSTABLE TORQUE WRENCH



- 01 (a) Ratchet Head : Chrome-vanadium alloy steel brings better strength and life cycle.
(b) Push button design for quick release function
(c) Accuracy of torque +/-4%; Quality meets DIN ISO 6789 & ASME B107.300-2010.
- 02 Steel Tube : Made with carburizing process for better strength and life cycle.
Applied to both clockwise and counterclockwise directions.
Electroplated finish for anti-corrosion and anti-abrasion.
- 03 Engraving serial no. for quality tracing purpose.
- 04 Knurled scale : two scales both on the front and back.
- 05 Scale handle : Easy to read micrometer scale with white laser marking on black plastic tube.
- 06 Adjustment system : Press locking to unlock the wrench for torque setting;
Release locking ring to lock the wrench automatically
- 07 Handle : diamond-shape design with impact-resistant plastic ABS.
- 08 Poly End Cap: standard or customized end cap design.

Technical Features / Use

- Industrial application.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque $\pm 4\%$.
- Easy torque-adjusting design.
- Quick release mechanism.
- Fixed ratchet for both clockwise and counterclockwise directions.



Model No.	Square drive	Teeth	Nm / kgf-m (kgf-cm)	Graduation	L (mm)	G
BS-2261A	1/4"	24T	5-25/61-245	0.2	281	530
BS-3262A	3/8"	24T	20-110/2.6-10.7	1.0	361	770
BS-3266A			10-110/1.5-10.7	1.0	361	770
BS-4261A	1/2"	24T	42-210/5.0-20.7	1.4	461	1250
BS-4262A			50-350/6.6-34.2	3.0	553	1590
BS-4266A			28-210/3.6-20.7	1.4	461	1250
BS-4267A			20-210/2.6-20.9	1.0	461	1250
BS-4268A			40-210/4.6-20.9	1.0	461	1250

Model No.	Square drive	Teeth	ft-lb (in-lb)/Nm	Graduation	L (mm)	G
BS-2261C	1/4"	24T	25-250/3.7-27.4	1.5	281	530
BS-3262C	3/8"	24T	5-80/10.2-105.1	0.5	361	770
BS-3266C			10-80/17.30-105.1	0.5	361	770
BS-4261C	1/2"	24T	10-150/20.3-196.6	1.0	461	1250
BS-4262C			30-250/54.2-325.4	2.0	553	1590

Model No.	Square drive	Teeth	ft-lb (in-lb) / kgf-m (kgf-cm)	Graduation	L (mm)	G
BS-2261B	1/4"	24T	25-250/37-279	1.5	281	530
BS-3262B	3/8"	24T	5-80/1.0-10.7	0.5	361	770
BS-4261B	1/2"	24T	10-150/2.1-20.0	1.0	461	1250
BS-4262B			30-250/5.5-33.1	2.0	553	1590

Model No.	Square drive	Teeth	Nm / ft-lb (in-lb)	Graduation	L (mm)	G
BS-2261F	1/4"	24T	5-25/53.1-212.4	0.2	281	530
BS-2263F			6-30/62-256.7	0.2	281	530
BS-3262F	3/8"	24T	20-110/18.5-77.5	1.0	361	770
BS-4261F	1/2"	24T	42-210/36.2-149.8	1.4	461	1250
BS-4262F			50-350/48.0-247.2	3.0	553	1590
BS-4266F			28-210/25.8-149.8	1.4	461	1250
BS-4267F			20-210/18.4-151.2	1.0	461	1250
BS-4268F			40-210/33.2-151.2	1.0	461	1250
BS-6264F	3/4"	32T	100-500/81-361	2.0	840	2410
BS-6261F		24T	100-600/92-424	5.0	1010	4730
BS-8264F	1"	24T	150-1000/129-719	5.0	1200	5990

ADJUSTABLE TORQUE WRENCH



- 01 *Single & dual scale laser marking Micrometer scale for more accurate torque value setting*
- 02 *(a) Easy torque-adjusting design
(b) Lock mechanism : Press locking ring to “unlock” the wrench for torque Setting;
release locking ring to “lock”*
- 03 *Ratchet Head : To apply both clockwise and counter clockwise directions, Push button design for quick release function*
- 04 *Steel Tube with carburizing process for better strength and life cycle*
- 05 *Electroplated Finish for anti-corrosion and anti-abrasion.*
- 06 *Handle : Ergonomic - shape, oil-resistant and non-slip rubber grip*

Technical Features / Use

- Industrial application.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Quick release mechanism.
- Fixed ratchet for both clockwise and counterclockwise directions.



Model No.	Square drive	Teeth	ft-lb (in-lb)	Graduation	L (mm)	G
BS-2621E	1/4"	24T	20-100	1.0	281	590
BS-2622E			30-200	1.0	329	650
BS-2626E			100-500	2.5	329	650
BS-2627E			50-250	2.0	329	650
BS-3621E	3/8"	24T	30-200	1.0	329	650
BS-3622E		32T	10-80	0.5	436	1320
BS-4621E	1/2"	32T	20-150	1.0	512	1580
BS-4622E			30-250	1.0	614	1800
BS-4428E			10-80	0.5	436	1320
BS-6621E	3/4"	24T	50-450	5.0	1050	5030
BS-6622E			100-600	5.0	1240	6110
BS-6623E			150-750	5.0	1240	6110
BS-6424E			32T	60-300	2.0	614
BS-8621E	1"	24T	100-600	5.0	1240	6230
BS-8622E			150-750	5.0	1240	6110
BS-8623E			200-1000	5.0	1850	10510

Model No.	Square drive	Teeth	Nm	Graduation	L (mm)	G
BS-2621D	1/4"	24T	2-10	0.1	281	590
BS-2622D			4-20	0.1	329	650
BS-2624D			10-50	0.25	329	650
BS-2628D			5-25	0.2	329	650
BS-3621D	3/8"	24T	4-20	0.1	329	650
BS-3622D		32T	20-100	0.5	436	1320
BS-3623D			10-60	0.5	344	760
BS-3624D		24T	10-50	0.25	344	760
BS-3628D			5-25	0.2	329	650
BS-3629D		2-10	0.1	281	590	
BS-4621D	1/2"	32T	40-200	1.0	512	1580
BS-4622D			60-340	2.0	614	1800
BS-4623D			60-420	2.0	614	1800
BS-4625D			80-400	2.0	614	1800
BS-4628D			50-350	2.0	614	1800
BS-4624D			20-100	0.5	436	1310
BS-6621D			3/4"	24T	100-600	5.0
BS-1152D	150-800	5.0			1240	6110
BS-6623D	32T	200-1000		5.0	1240	6110
BS-6625D		80-400		2.0	614	1800
BS-8621D	1"	24T	150-800	5.0	1240	6230
BS-8622D			200-1000	5.0	1240	6110
BS-8623D			300-1500	10	1850	10510

Model No.	Square drive	Teeth	Nm / ft-lb (in-lb)	Graduation	L (mm)	G
BS-2621F	1/4"	24T	2-10/22.1-84.1	0.1	281	590
BS-2622F			4-20/39.8-172.6	0.1	329	650
BS-2624F			10-50/99.6-431.5	0.25	329	650
BS-2628F			5-25/53.1-212.4	0.2	329	650
BS-3621F	3/8"	24T	4-20/39.8-172.6	0.1	329	650
BS-3622F		32T	20-100/16.6-71.9	0.5	436	1320
BS-3623F			10-60/9.2-42.4	0.5	337	760
BS-3624F		24T	10-50/99.6-431.5	0.25	337	760
BS-3628F			5-25/53.1-212.4	0.2	329	650
BS-3629F		2-10/22.1-84.1	0.1	281	590	
BS-4621F	1/2"	32T	40-200/33.2-143.8	1.0	512	1580
BS-4622F			60-340/51.6-243.4	2.0	614	1800
BS-4623F			60-420/51.6-302.4	2.0	614	1800
BS-4625F			80-400/66.4-287.8	2.0	614	1800
BS-4628F			50-350/44.3-250.8	2.0	614	1800
BS-4428F			20-100/16.6-71.9	0.5	436	1310
BS-6621F			100-600/92-424	5.0	1050	5030
BS-6622F	3/4"	24T	150-800/129-572	5.0	1240	6110
BS-6623F			200-1000/166-719	5.0	1240	6110
BS-6625F			80-400/66.4-287.8	2.0	614	1800
BS-8621F			32T	150-800/129-572	5.0	1240
BS-8622F	1"	24T	200-1000/166-719	5.0	1240	6110
BS-8623F			300-1500/258-1070	10	1850	10510

Technical Features / Use

- Industrial application.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Quick release mechanism.
- Fixed ratchet for both clockwise and counterclockwise directions.



Model No.	Square drive	Teeth	ft-lb (in-lb)	Graduation	L (mm)	G
BS-2721E	1/4"	72T	20-100	1.0	281	550
BS-2722E			30-200	1.0	322	640
BS-2726E			100-500	2.5	322	640
BS-2727E			50-250	2.0	281	550
BS-3722E	3/8"	72T	10-80	0.5	436	1350
BS-4721E	1/2"	72T	20-150	1.0	490	1490
BS-4722E			30-250	1.0	590	1706

Model No.	Square drive	Teeth	Nm	Graduation	L (mm)	G
BS-2721D	1/4"	72T	2-10	0.1	281	550
BS-2722D			4-20	0.1	322	650
BS-2724D			10-50	0.25	322	650
BS-2728D			5-25	0.2	281	550
BS-3722D	3/8"	72T	20-100	0.5	436	1350
BS-3723D			10-60	0.5	337	760
BS-3724D			10-50	0.25	337	760
BS-3728D			5-25	0.2	281	550
BS-4721D	1/2"	72T	40-200	1.0	490	1490
BS-4722D			60-340	2.0	590	1706
BS-4723D			60-420	2.0	590	1706
BS-4725D			80-400	2.0	590	1706
BS-4728D			50-350	2.0	590	1706

Model No.	Square drive	Teeth	Nm / ft-lb (in-lb)	Graduation	L (mm)	G
BS-2721F	1/4"	72T	2-10/22.1-84.1	0.1	281	550
BS-2722F			4-20/39.8-172.6	0.1	322	650
BS-2724F			10-50/99.6-431.5	0.25	322	650
BS-2728F			5-25/53.1-212.4	0.2	281	550
BS-3722F	3/8"	72T	20-100/16.6-71.9	0.5	436	1350
BS-3723F			10-60/9.2-42.4	0.5	337	760
BS-3724F			10-50/99.6-431.5	0.25	337	760
BS-3728F			5-25/53.1-212.4	0.2	281	550
BS-4721F	1/2"	72T	40-200/33.2-143.8	1.0	490	1490
BS-4722F			60-340/51.6-243.4	2.0	590	1706
BS-4723F			60-420/51.6-302.4	2.0	590	1706
BS-4725F			80-400/66.4-287.8	2.0	590	1706
BS-4728F			50-350/44.3-250.8	2.0	590	1706

Technical Features / Use

- Industrial application.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque $\pm 4\%$.
- Easy torque-adjusting design.
- Quick release mechanism.
- Fixed ratchet for both clockwise and counterclockwise directions.



BS-41728D



BS-41148D

Model No.	Square drive	Teeth	Nm	Bit	G
BS-41728D	1/4"	24T	1-25Nm	H3,4,5,6,8,10 + T15,20,25,27,30,40 PH2,3 + H5x100mm 1/4" socket extension	960
BS-41148D	1/2"	24T	40-210Nm	H6,8,10,12 Sockets (mm) 17,19,21,22,24,27	2890



Model No.	Square drive	Teeth	Nm	Bit	G
BS-60821D	1/4"	64T	3-15	H3,4,5,6,8,10,T25	587
BS-60822D			5-25	H3,4,5,6,8,10,T25	621
BS-60826D			1-6	H3,4,5,6,8,10,T25	587
Model No.	Square drive	Teeth	in-lb	Bit	G
BS-60821E	1/4"	64T	30-150	H3,4,5,6,8,10,T25	587
BS-60822E			50-250	H3,4,5,6,8,10,T25	621
BS-60826E			10-60	H3,4,5,6,8,10,T25	587
Model No.	Square drive	Teeth	Nm/in-lb	Bit	G
BS-60821F	1/4"	64T	3-15/31-128	H3,4,5,6,8,10,T25	587
BS-60822F			5-25/53-212	H3,4,5,6,8,10,T25	621
BS-60826F			1-6/11.1-50.9	H3,4,5,6,8,10,T25	587

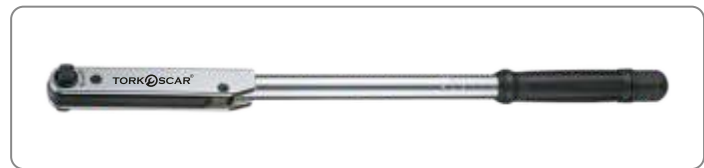
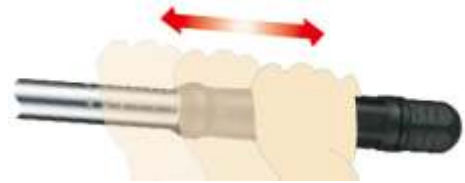
Technical Features / Use

- Industrial application with durability.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque $\pm 4\%$.
- Push through mechanism for easy repair.
- Loud click sound when required torque is reached.
- The lever mechanism brings length independent and accurate torque.

Easy lock and adjustment design.



No matter where ^{You} apply the force from the handle, no accuracy will be impacted.



Model No.	Square drive	Nm	Kgf.m	ibf.in	lbf.ft	G	L(mm)
BS-2241S	1/4"	2.5-11	0.3-1.2	20-100	2-8	630	338
BS-2242S		5-33	0.5-3.4	40-300	4-24	720	425

Model No.	Square drive	Nm	Kgf.m	ibf.in	lbf.ft	G	L(mm)
BS-4241S	1/2"	12-68	1.2-7	100-600	10-50	1050	500
BS-4242S		25-135	3-14	200-1200	20-100	1600	556
BS-4243S		50-225	5-23	400-2000	40-160	2300	600
BS-4244S		70-330	7-35	600-3000	50-250	2600	805

Model No.	Square drive	Nm	Kgf.m	ibf.in	lbf.ft	G	L(mm)
BS-3241S	3/8"	2.5-11	0.3-1.2	20-100	2-8	630	338
BS-3242S		5-33	0.5-3.4	40-300	4-24	720	425
BS-3243S		12-68	1.2-7	100-600	10-50	1050	500

Model No.	Square drive	Nm	Kgf.m	ibf.in	lbf.ft	G	L(mm)
BS-6241S	3/4"	140-560	14-57	1200-5000	100-410	7410	996
BS-6242S		200-800	22-82	1800-7200	140-600	7580	1070
BS-8242S	1"	200-1000	22-100	1800-8850	140-740	12800	1400

PROFESSIONAL TORQUE WRENCH



- 01** Push through drive:
 (a) Good for both CW/CCW directions
 (b) Accuracy of torque $\pm 4\%$, Quality meets DIN ISO 6789 & ASME B107.300-2010
- 02** Head : Made from chrome- vanadium alloy steel for better strength.
- 03** Steel Tube : Electroplated Finish for anti-corrosion and anti-abrasion.
 A laser marked arrow pointed to CW direction to avoid improper use.
 Cantilever Mechanism:
 * Loud click sound and strong impulse when required torque reached
 *It brings length independence greater sensitivity and life cycle
- 04** Engraving serial no. for quality tracing purpose
- 05** Four-Scales of measurement (Nm,kgf.mlbf.in,lbft)
- 06** Grip : with impact-resistant plastic ABS
- 07** Adjustment system : pull out the rocker-arm, turn to 90° and turn clockwise for adjusting the torque.

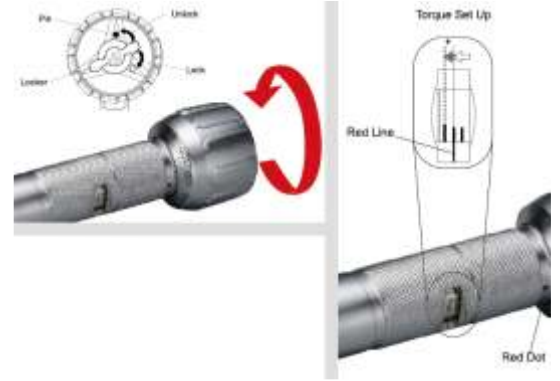
PROFESSIONAL TORQUE WRENCH



- 01** (a) Ratchet Head : Chrome-vanadium alloy steel brings better strength and life cycle.
 (b) Drive : Chrome-molybdenum alloy steel brings better stability and reliability.
 (c) Thin head and flat tube is suitable for narrow working environment.
 (d) Accuracy of torque +/-3%; Quality meets DIN ISO 6789 & ASME B107.300-2010.
- 02** Steel Tube with carburizing process for better strength and life cycle.
 Electroplated finish for anti-corrosion and anti-abrasion.
 A laser-marked arrow pointed to CW direction to avoid improper use.
 Loud click sound and strong impulse when required torque is reached.
 Side hole is designed for easy calibration and maintenance.
- 03** Engraving serial no. for quality tracing purpose.
- 04** Window display : Single scale
- 05** Knurled handle : Non-slip design
- 06** External scale and knob : easy torque-setting and energy-saving design
 Adjustment system (wing shape design) : Turn knob CCW direction to “unlock” the wrench for torque setting; turn knob CW directions to “lock”

Technical Features / Use

- Industrial application with durability.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque $\pm 3\%$.
- The mechanism of flat metal tube and window scale-reading.
- Easy torque value setting with external scale and knob.
- Loud click sound and strong impulse when required torque is reached.

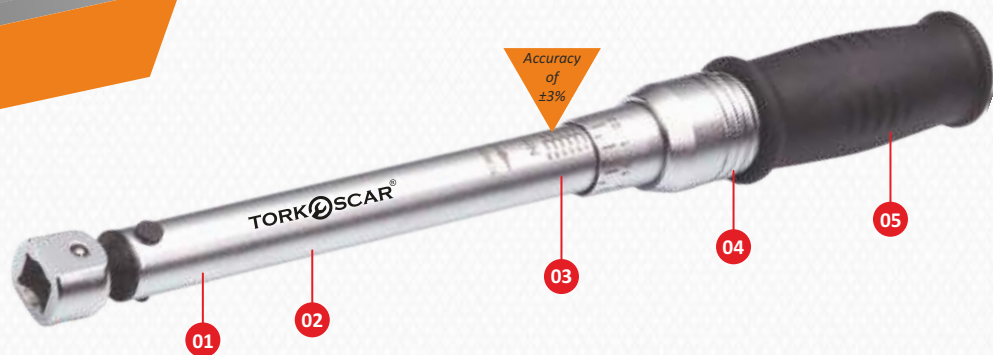


Model No.	Square drive	Teeth	kgf.cm	Graduation	G	L(mm)
BS-2154K	1/4"	24T	30-150	1.0	250	223
BS-2155K			50-250	2.5	450	240

Model No.	Square drive	Teeth	kgf.cm	Graduation	G	L(mm)
BS-3153K	3/8"	24T	50-250	2.5	450	240
BS-3154K			100-500	5.0	500	260
BS-3155K			200-1000	10	800	342

Model No.	Square drive	Teeth	kgf.cm	Graduation	G	L(mm)
BS-4151K	1/2"	24T	200-1000	10	800	342
BS-4152K			300-1400	10	1000	410
BS-4153K			400-2000	20	1500	498

INTERCHANGEABLE TORQUE WRENCH



- 01 *Steel Tube with carburizing process for better strength and life cycle. Electroplated Finish for anti-corrosion and anti-abrasion*
- 02 *Serial number : Each piece engraving serial number for traceability.*
- 03 *Single or dual scale laser marking
Micrometer scale for more accurate torque value setting*
- 04 *(a) Easy torque-adjusting design
(b) Lock mechanism : Press locking ring to “unlock” the wrench for torque setting;
release locking ring to “lock”*
- 05 *Handle : Ergonomic - shape, oil -resistant and non-slip rubber grip*

Technical Features / Use

- Industrial application.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Operation only with end fittings with standardized depth gauges.



Model No.	mm	ft-lb (in-lb)	Graduation	L (mm)	G
BS-7121E	9x12	20-100	1.0	270	555
BS-7122E		30-200	1.0	313	630
BS-7126E		100-500	2.5	313	630
BS-7127E		50-250	2.0	270	555
BS-7132E		10-80	0.5	430	1286
BS-7232E	14x18	10-80	0.5	430	1286
BS-7241E		20-150	1.0	484	1400
BS-7242E		30-250	1.0	585	1602
BS-7261E		50-450	5.0	988	5600
BS-7262E		100-600	5.0	1178	5700
BS-7282E		150-750	5.0	1178	5700

Model No.	mm	Nm	Graduation	L (mm)	G
BS-7121D	9x12	2-10	0.1	270	555
BS-7122D		4-20	0.1	313	630
BS-7123D		10-60	0.5	313	630
BS-7124D		10-70	0.25	313	630
BS-7128D		5-25	0.2	270	555
BS-7132D		20-100	0.5	430	1286
BS-7232D	14x18	20-100	0.5	430	1286
BS-7241D		40-200	1.0	484	1400
BS-7242D		60-340	2.0	585	1602
BS-7243D		60-420	2.0	585	1602
BS-7245D		80-400	2.0	585	1602
BS-7248D		50-350	2.0	585	1602
BS-7261D		100-600	5.0	988	5600
BS-7262D		150-800	5.0	1178	5700
BS-7282D		200-1000	5.0	1178	5700

Model No.	mm	Nm/ft-lb (in-lb)	Graduation	L (mm)	G
BS-7121F	9x12	2-10/22.1-84.1	0.1	270	555
BS-7122F		4-20/39.8-172.6	0.1	313	630
BS-7123F		10-60/9.2-42.4	0.5	313	630
BS-7124F		10-50/99.6-431.5	0.25	313	630
BS-7128F		5-25/53.1-212.4	0.2	270	555
BS-7132F		20-100/16.6-71.9	0.5	430	1286
BS-7232F	14x18	20-100/16.6-71.9	0.5	430	1286
BS-7241F		40-200/33.2-143.8	1.0	484	1400
BS-7242F		60-340/51.6-243.4	2.0	585	1602
BS-7243F		60-420/51.6-302.4	2.0	585	1602
BS-7245F		80-400/66.4-287.8	2.0	585	1602
BS-7248F		50-350/44.3-250.8	2.0	585	1602
BS-7261F		100-600/92-424	5.0	988	5600
BS-7262F		150-800/129-572	5.0	1178	5700
BS-7282F		200-1000/166-719	5.0	1178	5700

Technical Features / Use

- Industrial application.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Operation only with end fittings with standardized depth gauges.



Model No.	mm	ft-lb (in-lb) / Nm	Graduation	L (mm)	G
BS-9161C	9x12	10-60/1.4-6.5	0.5	197	290
BS-9162C		30-150/4-16.4	1.0	197	290
BS-9163C		50-250/6.8-27.1	2.0	227	330
BS-9131C	14x18	10-80/17-105.1	0.5	403	860
BS-9132C		20-100/33.9-128.8	1.0	403	860
BS-9231C		10-80/17-105.1	0.5	425	990
BS-9232C	14x18	20-100/33.9-128.8	1.0	425	990
BS-9241C		20-150/34-197	1.0	503	1470
BS-9242C		30-250/48-332	1.0	583	1620

Model No.	mm	Nm/ft-lb (in-lb)	Graduation	L (mm)	G
BS-9161F	9x12	1-6/11.1-50.9	0.05	197	290
BS-9162F		3-15/31-128	0.1	197	290
BS-9163F		5-25/53-212	0.2	227	330
BS-9131F		10-60/9.2-42.4	0.5	340	790
BS-9132F	14x18	20-100/16.6-71.9	0.5	403	860
BS-9231F		10-60/9.2-42.4	0.5	362	820
BS-9232F		20-100/16.6-71.9	0.5	425	990
BS-9241F		40-200/33-144	1.0	503	1470
BS-9242F	14x18	60-340/52-243	2.0	583	1620
BS-9243F		50-350/44-251	2.0	583	1620
BS-9244F		80-400/66-288	2.0	583	1620
BS-9245F		60-420/52-302	2.0	583	1620

Technical Features / Use

- Industrial application.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Using standard insert tool ($\varnothing 16\text{mm}$ & $\varnothing 22\text{mm}$).



Model No.	\varnothing mm	ft-lb/ Nm	Graduation	L (mm)	G
BS-9531C	$\varnothing 16\text{mm}$	10-80/17-105.1	0.5	422	940
BS-9532C		20-100/33.9-128.8	1.0	422	940
BS-9641C	$\varnothing 22\text{mm}$	20-150/34-197	1.0	512	1520
BS-9642C		30-250/48-332	1.0	592	1670

Model No.	\varnothing mm	Nm / ft-lb	Graduation	L (mm)	G
BS-9531F	$\varnothing 16\text{mm}$	10-60/9.2-42.4	0.5	359	870
BS-9532F		20-100/16.6-71.9	0.5	422	940
BS-9641F	$\varnothing 22\text{mm}$	40-200/33-144	1.0	512	1520
BS-9642F		60-340/52-243	2.0	592	1670
BS-9643F		50-350/44-251	2.0	592	1670
BS-9644F		80-400/66-288	2.0	592	1670
BS-9645F		60-420/52-302	2.0	592	1670

Technical Features / Use

- Industrial application.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Operation only with end fittings with standardized depth gauges.



Model No.	mm	Nm	Ratchet insert tools (Push type)	Open ended insert tools	Ring insert tools	G
BS-10821D	9x12	2-10	1/4"	10,13,17	10,13,17	1264
BS-10822D		4-20	1/4"	10,13,17	10,13,17	1372
BS-10823D		10-60	3/8"	10,13,17	10,13,17	1372
BS-10824D		10-70	3/8"	10,13,17	10,13,17	1372
BS-10828D		5-25	1/4"	10,13,17	10,13,17	1264

Model No.	mm	in-lb	Ratchet insert tools (Push type)	Open ended insert tools	Ring insert tools	G
BS-10821E	9x12	20-100	1/4"	10,13,17	10,13,17	1264
BS-10822E		30-200	1/4"	10,13,17	10,13,17	1372
BS-10826E		100-500	3/8"	10,13,17	10,13,17	1372
BS-10827E		50-250	1/4"	10,13,17	10,13,17	1264

Model No.	mm	Nm	Ratchet insert tools (Push type)	Open ended insert tools	Ring insert tools	G
BS-10821F	9x12	2-10/22.1-84.1	1/4"	10,13,17	10,13,17	1264
BS-10822F		4-20/39.8-172.6	1/4"	10,13,17	10,13,17	1372
BS-10823F		10-60/9.2-42.4	3/8"	10,13,17	10,13,17	1372
BS-10824F		10-50/99.6-431.5	3/8"	10,13,17	10,13,17	1372
BS-10828F		5-25/53.1-212.4	1/4"	10,13,17	10,13,17	1264

Model No.	mm	Nm	ft-lb	Ratchet insert tools (push type)	Open ended insert tools	G
BS-41232F	9x12	20-110	18.5-77.5	3/8"	10,11,12,13,14,15,16,17,18,19	1730

Technical Features / Use

- Industrial application.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Operation only with end fittings with standardized depth gauges.



Model No.	mm	Nm	Ratchet insert tools (Push type)	Open ended insert tools	G
BS-21132D	14x18	20-100	3/8"	13,14,15,17,19,22,24,27,30	3712
BS-21141D		40-200	1/2"	13,14,15,17,19,22,24,27,30	3825
BS-21142D		60-340	1/2"	13,14,15,17,19,22,24,27,30	4047
BS-21145D		80-400	1/2"	13,14,15,17,19,22,24,27,30	4047

Model No.	mm	ft-lb	Ratchet insert tools (Push type)	Open ended insert tools	G
BS-21132E	14x18	10-80	3/8"	13,14,15,17,19,22,24,27,30	3712
BS-21141E		20-150	1/2"	13,14,15,17,19,22,24,27,30	3825
BS-21142E		30-250	1/2"	13,14,15,17,19,22,24,27,30	4047

Model No.	mm	Nm/ft-lb	Ratchet insert tools (Push type)	Open ended insert tools	G
BS-21132F	14x18	20-100/16.6-71.9	3/8"	13,14,15,17,19,22,24,27,30	3712
BS-21141F		40-200/33.2-143.8	1/2"	13,14,15,17,19,22,24,27,30	3825
BS-21142F		60-340/51.6-243.4	1/2"	13,14,15,17,19,22,24,27,30	4047
BS-21145F		80-400/66.4-287.8	1/2"	13,14,15,17,19,22,24,27,30	4047

TORKOSCAR®

Technical Features / Use

- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Quick release design.
- Classified to DIN ISO 6789 & ASME B107.300-2010.



Model No.	Square drive	Teeth	Nm	Graduation	L(mm)	G
BS-3922D	3/8"	32T	20-100	0.5	464	1370

Model No.	Square drive	Teeth	ft/lb	Graduation	L(mm)	G
BS-3922E	3/8"	32T	10-80	0.5	464	1370

Model No.	Square drive	Teeth	Nm/ft-lb	Graduation	L(mm)	G
BS-3922F	3/8"	32T	20-100/16.6-71.9	0.5	464	1370

TORKOSCAR®

Technical Features / Use

- Industrial application.
- Tolerance of torque $\pm 3\%$.
- Quick release design.
- Classified to DIN ISO 6789 & ASME B107.300-2010.



Model No.	Square drive	Teeth	in-lb	Graduation	L (mm)	G
BS-2661E	1/4"	64T	30-150	1.0	210	288
BS-2662E			50-250	2.0	248	325
BS-2664E			10-50	0.5	210	288
BS-2666E			10-60	0.5	210	288
BS-3661E	3/8"	64T	30-150	1.0	210	288
BS-3662E			50-250	2.0	248	325
BS-3664E			10-50	0.5	210	288
BS-3666E			10-60	0.5	210	288

Model No.	Square drive	Teeth	Nm	Graduation	L (mm)	G
BS-2661D	1/4"	64T	3-15	0.1	210	288
BS-2662D			5-25	0.2	248	325
BS-2666D			1-6	0.05	210	288
BS-3661D	3/8"	64T	3-15	0.1	210	288
BS-3662D			5-25	0.2	248	325
BS-3666D			1-6	0.05	210	288

Model No.	Square drive	Teeth	Nm (in-lb)	Graduation	L (mm)	G
BS-2661F	1/4"	64T	3-15/31-128	0.1	210	288
BS-2662F			5-25/53-212	0.2	248	325
BS-2666F	3/8"	64T	1-6/11.1-50.9	0.05	210	288
BS-3661F			3-15/31-128	0.1	210	288
BS-3662F			5-25/53-212	0.2	248	325
BS-3666F			1-6/11.1-50.9	0.05	210	288

Technical Features / Use

- Using standard insert tools (9x12 rectangular cavity).
- Industrial application.
- Positive button design which removes the insert head easily.
- Tolerance of torque $\pm 3\%$.
- Classified to DIN ISO 6789 & ASME B107.300-2010.



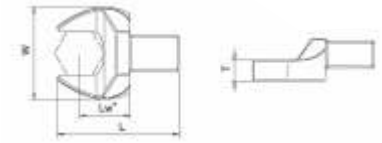
Model No.	mm	in-lb	Graduation	L (mm)	G
BS-7161E	9x12	30-150	1.0	197	257
BS-7162E		50-250	2.0	227	297
BS-7164E		10-50	0.5	197	257
BS-7166E		10-60	0.5	197	257

Model No.	mm	Nm	Graduation	L (mm)	G
BS-7161D	9x12	3-15	0.1	197	257
BS-7162D		5-25	0.2	227	297
BS-7166D		1-6	0.05	197	257

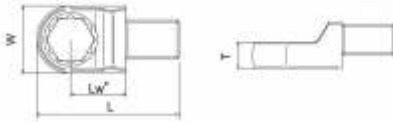
Model No.	mm	Nm /in-lb	Graduation	L (mm)	G
BS-7161F	9x12	3-15/31-128	0.1	197	257
BS-7162F		5-25/53-212	0.2	227	297
BS-7166F		1-6/11.1-50.9	0.05	197	257

Technical Features / Use

- For accessing bolts in cramped and hard-to-reach locations
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking



RING END FITTINGS



OPEN END FITTINGS

Model No.	Size	mm	Lw*(mm)	L(mm)	W	T
BS-7421-07	07	9 x 12	17.5	40.8	19.8	8.0
BS-7421-08	08	9 x 12	17.5	40.8	19.8	8.0
BS-7421-10	10	9 x 12	17.5	42.6	20.0	8.0
BS-7421-11	11	9 x 12	17.5	43.5	20.2	8.0
BS-7421-12	12	9 x 12	17.5	44.0	22.2	12.0
BS-7421-13	13	9 x 12	17.5	44.5	22.2	12.0
BS-7421-14	14	9 x 12	17.5	46.0	23.5	12.0
BS-7421-15	15	9 x 12	17.5	46.7	24.6	12.0
BS-7421-16	16	9 x 12	17.5	47.0	26.4	13.0
BS-7421-17	17	9 x 12	17.5	47.3	27.3	13.0
BS-7421-18	18	9 x 12	17.5	48.4	29.0	13.0
BS-7421-19	19	9 x 12	17.5	49.4	31.0	13.0
BS-7421-21	21	9 x 12	17.5	49.8	33.4	14.7
BS-7421-22	22	9 x 12	17.5	51.4	35.0	14.7

Model No.	Size	mm	Lw*(mm)	L(mm)	W	T
BS-7422-13	13	14x18	25	61.5	30.0	12.0
BS-7422-14	14	14x18	25	62.0	30.0	12.0
BS-7422-15	15	14x18	25	62.5	30.0	12.0
BS-7422-16	16	14x18	25	62.5	30.0	12.0
BS-7422-17	17	14x18	25	64.0	30.5	12.5
BS-7422-18	18	14x18	25	64.5	30.5	12.5
BS-7422-19	19	14x18	25	66.0	31.0	12.5
BS-7422-21	21	14x18	25	67.4	33.4	15.0
BS-7422-22	22	14x18	25	68.0	35.2	15.0
BS-7422-24	24	14x18	25	69.5	37.4	15.0
BS-7422-27	27	14x18	31	77.5	41.7	17.5
BS-7422-30	30	14x18	31	79.0	45.3	17.5
BS-7422-32	32	14x18	31	80.3	47.8	17.5
BS-7422-34	34	14x18	31	82.3	50.8	19.0
BS-7422-36	36	14x18	31	82.6	53.0	19.0
BS-7422-41	41	14x18	31	85.5	59.3	19.0

Model No.	Size	mm	Lw*(mm)	L(mm)	W	T
BS-7423-07	07	9x12	17.5	37.6	20.7	5.7
BS-7423-08	08	9x12	17.5	37.6	22.0	5.7
BS-7423-09	09	9x12	17.5	37.6	23.5	5.7
BS-7423-10	10	9x12	17.5	39.8	24.8	5.7
BS-7423-11	11	9x12	17.5	39.8	26.0	5.7
BS-7423-12	12	9x12	17.5	39.8	27.5	5.7
BS-7423-13	13	9x12	17.5	40.0	28.8	5.7
BS-7423-14	14	9x12	20	43.0	31.5	7.7
BS-7423-15	15	9x12	20	44.0	33.5	7.7
BS-7423-16	16	9x12	20	44.0	36.0	7.7
BS-7423-17	17	9x12	20	44.0	37.7	7.7
BS-7423-18	18	9x12	20	45.2	39.0	7.7
BS-7423-19	19	9x12	20	45.2	41.6	7.7
BS-7423-21	21	9x12	25	52.2	45.5	11.5
BS-7423-22	22	9x12	25	52.2	47.3	11.5
BS-7423-24	24	9x12	25	54.0	50.8	11.5
BS-7423-27	27	9x12	32.5	60.0	58.7	13.0
BS-7423-30	30	9x12	32.5	61.5	63.7	13.5
BS-7423-32	32	9x12	32.5	63.0	65.0	13.5
BS-7423-36	36	9x12	32.5	64.8	67.5	13.5

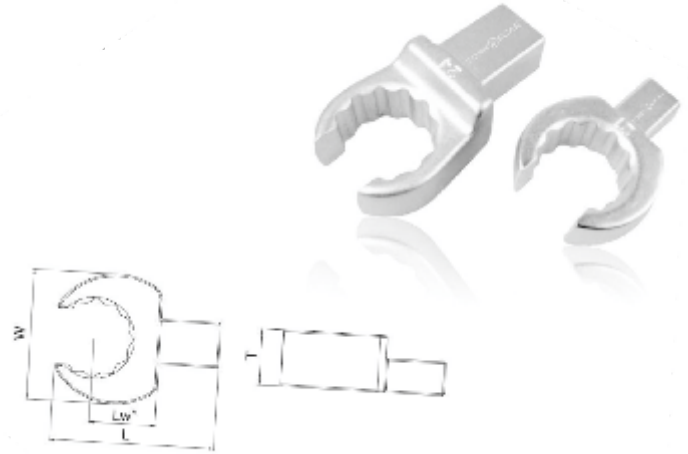
Model No.	Size	mm	Lw*(mm)	L(mm)	W	T
BS-7424-13	13	14x18	25	58.0	29.5	7.0
BS-7424-14	14	14x18	25	58.0	31.4	7.0
BS-7424-15	15	14x18	25	58.0	33.5	7.0
BS-7424-16	16	14x18	25	58.5	36.0	7.0
BS-7424-17	17	14x18	25	59.5	37.0	9.0
BS-7424-18	18	14x18	25	60.4	39.0	9.0
BS-7424-19	19	14x18	25	61.5	40.6	9.0
BS-7424-21	21	14x18	25	61.5	45.5	11.0
BS-7424-22	22	14x18	25	62.3	47.3	11.0
BS-7424-23	23	14x18	25	62.3	47.8	11.0
BS-7424-24	24	14x18	25	63.2	50.8	11.0
BS-7424-25	25	14x18	30	69.0	58.4	13.8
BS-7424-26	26	14x18	30	69.0	58.4	13.8
BS-7424-27	27	14x18	32.5	69.0	58.4	13.8
BS-7424-30	30	14x18	32.5	70.5	62.5	13.8
BS-7424-32	32	14x18	32.5	72.5	65.0	13.8
BS-7424-34	34	14x18	32.5	74.0	67.5	13.8
BS-7424-36	36	14x18	32.5	74.0	67.5	13.8
BS-7424-38	38	14x18	32.5	74.0	67.5	13.8
BS-7424-40	40	14x18	40	80.5	83.4	13.8
BS-7424-41	41	14x18	40	80.5	82.3	13.8
BS-7424-46	46	14x18	50	91.1	98.6	20.0
BS-7424-48	48	14x18	50	96.9	105.0	30.5
BS-7424-50	50	14x18	50	96.9	105.0	30.5
BS-7424-70	70	14x18	84.5	136.2	149.2	33.5

FLARED END FITTING

Technical Features / Use

- For accessing bolts in cramped and hard-to-reach locations
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

Model No.	Size	mm	Lw*(mm)	L(mm)	W	T
BS-7425-10	10	9 x 12	17.5	42.3	21.2	12
BS-7425-11	11	9 x 12	17.5	42.8	22.6	12
BS-7425-12	12	9 x 12	17.5	43.4	24.1	12
BS-7425-13	13	9 x 12	17.5	43.7	25.2	12
BS-7425-14	14	9 x 12	17.5	44.5	27.3	13
BS-7425-16	16	9 x 12	17.5	45.4	30.1	13
BS-7425-17	17	9 x 12	17.5	45.9	31.6	13
BS-7425-18	18	9 x 12	17.5	46.1	33.3	15
BS-7425-19	19	9 x 12	17.5	46.8	34.6	15
BS-7425-21	21	9 x 12	17.5	48	37.7	15
BS-7425-22	22	9 x 12	17.5	48.8	39.3	15



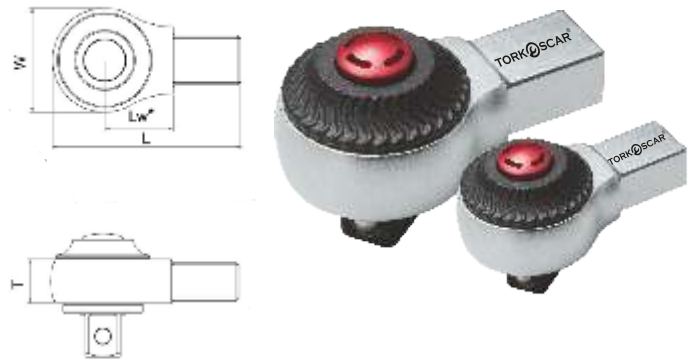
RATCHET INSERT

Technical Features / Use

- For accessing bolts in cramped and hard-to-reach locations
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

Model No.	Square drive	mm	Teeth	Lw*(mm)	L(mm)	W	T
BS-7427-02	1/4"	9 x 12	72T	17.5	46.0	24.8	11.2
BS-7427-03	3/8"	9 x 12	72T	17.5	49.0	30.2	11.2
BS-7427-04	1/2"	9 x 12	72T	25	60.4	38.0	16.0

Model No.	Square drive	mm	Teeth	Lw*(mm)	L(mm)	W	T
BS-7428-03	3/8"	14 x 18	72T	25	68.4	38.0	16.0
BS-7428-04	1/2"	14 x 18	72T	25	68.8	38.0	16.0
BS-7428-06	3/4"	14 x 18	52T	25	71.5	43.0	18.0
BS-7428-07	3/4"	14 x 18	72T	45	99.8	61.5	22.0



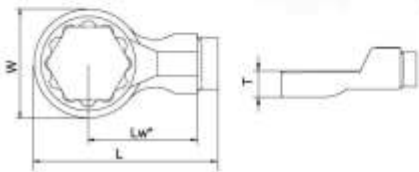
Model No.	Square drive	Size
BS-60438	1/4"	Ø16mm
BS-60255	3/8"	Ø16mm
BS-60256	1/2"	Ø16mm

Model No.	Square drive	Size
BS-60437	3/4"	Ø22mm

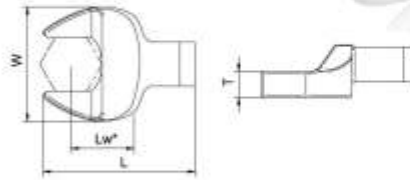
RING END FITTING

Technical Features / Use

- For accessing bolts in cramped and hard-to-reach locations
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking



OPEN END FITTING



Model No.	Size	∅ mm	Lw*(mm)	L(mm)	W	T
BS-7429-07	07	∅ 16mm	32	58	15	8
BS-7429-08	08	∅ 16mm	32	58	15	8
BS-7429-09	09	∅ 16mm	32	58	15	8
BS-7429-10	10	∅ 16mm	32	60.25	19.5	10
BS-7429-11	11	∅ 16mm	32	60.25	19.5	10
BS-7429-12	12	∅ 16mm	32	60.25	19.5	10
BS-7429-13	13	∅ 16mm	32	60.25	23.5	12
BS-7429-14	14	∅ 16mm	32	60.25	23.5	12
BS-7429-15	15	∅ 16mm	32	60.25	23.5	12
BS-7429-16	16	∅ 16mm	32	64.75	28.5	13
BS-7429-17	17	∅ 16mm	32	64.75	28.5	13
BS-7429-18	18	∅ 16mm	32	64.75	28.5	13
BS-7429-19	19	∅ 16mm	32	66.25	31.5	14
BS-7429-20	20	∅ 16mm	32	66.25	31.5	14
BS-7429-21	21	∅ 16mm	32	66.25	31.5	14
BS-7429-22	22	∅ 16mm	32	70.25	39.5	15
BS-7429-23	23	∅ 16mm	32	70.25	39.5	15
BS-7429-24	24	∅ 16mm	32	70.25	39.5	15
BS-7429-27	27	∅ 16mm	32	70.25	39.5	15

Model No.	Size	∅ mm	Lw*(mm)	L(mm)	W	T
BS-7431-07	07	∅ 16mm	32	54.5	20.5	5
BS-7431-08	08	∅ 16mm	32	54.5	20.5	5
BS-7431-09	09	∅ 16mm	32	54.5	20.5	5
BS-7431-10	10	∅ 16mm	32	56.5	29	7
BS-7431-11	11	∅ 16mm	32	56.5	29	7
BS-7431-12	12	∅ 16mm	32	56.5	29	7
BS-7431-13	13	∅ 16mm	32	58.5	34.5	8
BS-7431-14	14	∅ 16mm	32	58.5	34.5	8
BS-7431-15	15	∅ 16mm	32	58.5	34.5	8
BS-7431-16	16	∅ 16mm	32	60.5	41.5	9
BS-7431-17	17	∅ 16mm	32	60.5	41.5	9
BS-7431-18	18	∅ 16mm	32	60.5	41.5	9
BS-7431-19	19	∅ 16mm	32	62	45	10
BS-7431-20	20	∅ 16mm	32	62	45	10
BS-7431-21	21	∅ 16mm	32	62	45	10
BS-7431-22	22	∅ 16mm	32	63.5	56	11
BS-7431-23	23	∅ 16mm	32	63.5	56	11
BS-7431-24	24	∅ 16mm	32	63.5	56	11
BS-7431-25	25	∅ 16mm	32	63.5	56	11
BS-7431-26	26	∅ 16mm	32	63.5	56	11
BS-7431-27	27	∅ 16mm	32	63.5	56	11
BS-7431-28	28	∅ 16mm	32	63	68	12
BS-7431-29	29	∅ 16mm	32	63	68	12
BS-7431-30	30	∅ 16mm	32	63	68	12
BS-7431-32	32	∅ 16mm	32	63	68	12
BS-7431-36	36	∅ 16mm	32	63	68	12

Model No.	Size	∅ mm	Lw*(mm)	L(mm)	W	T
BS-7430-22	22	∅ 22mm	56	98.5	38	15
BS-7430-24	24	∅ 22mm	56	98.5	38	15
BS-7430-27	27	∅ 22mm	56	102.75	46.5	17
BS-7430-30	30	∅ 22mm	56	102.75	46.5	17
BS-7430-32	32	∅ 22mm	56	106.5	55	20
BS-7430-34	34	∅ 22mm	56	106.5	55	20
BS-7430-36	36	∅ 22mm	56	106.5	55	20
BS-7430-41	41	∅ 22mm	56	115.5	72	22
BS-7430-46	46	∅ 22mm	56	115.5	72	22

Model No.	Size	∅ mm	Lw*(mm)	L(mm)	W	T
BS-7432-22	22	∅ 22mm	56	91	52	11
BS-7432-24	24	∅ 22mm	56	91	52	11
BS-7432-27	27	∅ 22mm	56	94	64	12
BS-7432-30	30	∅ 22mm	56	94	64	12
BS-7432-32	32	∅ 22mm	56	97	75.5	12
BS-7432-34	34	∅ 22mm	56	97	75.5	12
BS-7432-36	36	∅ 22mm	56	97	75.5	12
BS-7432-41	41	∅ 22mm	56	103.5	94	12
BS-7432-46	46	∅ 22mm	56	115.5	94	12

TORQUE MULTIPLIER



- 01 *Input & Output Square drive : Chrome-molybdenum alloy steel for better strength and life cycle.*
- 02 *Planetary gear mechanism:*
 - (a) *Planetary gear carrier device brings high transmission efficiency and load capacity.*
 - (b) *All gears rotate on needle roller bearings throughout the operating process.*
 - (c) *Torque multiplier factor of 5:1*
 - (d) *Multiplication accuracy $\pm 5\%$*
- 03 *Main Body:*
 - Lightweight high performance steel housing.*
- 04 *Each tool is supplied with 2 reaction bars.*

Technical Features / Use

- Suitable for industry, construction sites, truck garages
Bridge aircraft and railway construction building, refineries
- Mechanical hand torque multiplier for control screw tightening & unloosening screw connections
- Planetary gear mechanism makes high transmission efficiency and load capacity.
- 5:1 torque multiplication.
- Multiplication accuracy $\pm 5\%$.
- Supplied with 2 reactions bars.



Model No.	Range Nm	ft-lb	Ratio	Input Square	Output Square	g
BS-1416-01	1500	1100	5:1	1/2"	3/4"	6500
BS-1418-02	1500	1100	5:1	1/2"	1"	6500
BS-1618-03	2700	2000	5:1	3/4"	1"	6500

Technical Features / Use

- Suitable for industry, construction sites, truck garages
Bridge aircraft and railway construction building, refineries
- Mechanical hand torque multiplier for control screw tightening & unloosening screw connections
- Double planetary-gear-carriers bring high load capacity.
- With high ratio gearbox 26:1, multiplication accuracy $\pm 5\%$
- Supplied with 2 different reaction bars.
- Anti-backlash mechanism for safety and comfortable operator



Model No.	Range Nm	Gear Ratio	Torque Ratio	Input Square	Output Square	g
BS-1761	1000	1:4	1:3.5	1/2"	3/4"	3800
BS-1762	1500	1:4.3	1:3.8	1/2"	3/4"	3900
BS-1763	2700	1:16	1:12.5	1/2"	1"	8300
BS-1764	2700	1:4	1:3.8	3/4"	1"	7500
BS-1765	4500	1:5.5	1:4.8	3/4"	1. 1/2"	12300
BS-1771	4500	1:22	1:16.8	1/2"	1. 1/2"	13600
BS-1766	6000	1:22	1:16.8	1/2"	1. 1/2"	20000
BS-1767	8000	1:30.25	1:23.1	1/2"	1. 1/2"	32000
BS-1768	10000	1:30.25	1:23.1	3/4"	1. 1/2"	35800



Technical Features / Use

- Suitable for industry, construction sites, truck garages
Bridge aircraft and railway construction building, refineries.
- Mechanical hand torque multiplier for control screw tightening & unloosening screw connections
- 1:4 torque multiplication.
- Supplied with 1/2" Flexible Ratchet Handle.
- 90° Reaction Bar, Straight Reaction Bar.



Model No.	Gear Ratio	□ Input	■ Output	Max. Output
BS-1651	1:4	1/2"	3/4"	1000Nm

Technical Features / Use

- Suitable for industry, construction sites, truck garages
Bridge aircraft and railway construction building, refineries.
- Mechanical hand torque multiplier for control screw tightening & unloosening screw connections
- Supplied with Straight Reaction Bar
- 90° Reaction Base.



Model No.	Gear Ratio	□ Input	■ Output	Max Output
BS-1614	1:9	1/2"	3/4"	1500 Nm
BS-1711	1:12	1/2"	1"	2000 Nm
BS-1712	1:16	1/2"	1"	2500 Nm
BS-1714	1:4	3/4"	1"	2500 Nm

Technical Features / Use

- 1500 Nm Mini Torque Multiplier
- Reduced diameter enables better access.
- 1:16 torque multiplication.
- Multiplication accuracy ±5%.
- The reaction foot can slide on the high strength spline to allow for sockets of various length.



Model No.	Range Nm	Ratio	Input Square	Output Square
BS-11606	158-1500	1:16	1/2	3/4

Technical Features / Use

- Digital torque value readout
- +/- 1-5% accuracy
- Engineering units(lbf-ft, lbf-in, N-m) selectable
- Auto Sleep after 2 minutes idle
- Both AA and Rechargeable battery are available



Model No.	Range Nm	Drive	Length	Fine Scale
BS-7351	10 - 100	3/8"	460	0.5 Nm
BS-7450	10 - 100	1/2"	460	0.5 Nm
BS-7451	20 - 100	1/2"	568	0.5 Nm
BS-7551	30 - 340	1/2"	650	0.5 Nm



Model No.	Range Nm	End Fitting	Length	Fine Scale
BS-7052	10 - 100	9x12	420	0.5 Nm
BS-7056	20 - 100	14x18	535	0.5 Nm
BS-7057	30 - 340	14x18	617	0.5 Nm



TORQUE
SCREWDRIVER



Technical Features / Use

- Electronic industry, precision mechanics & industrial manufacturing
- Tolerance of torque $\pm 6\%$.
- Automatic adjustment knob design.
- Easy-to-read laser scale.
- Ergonomic comfort rubber Grip.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- (1/4") Hex drive.



Model No.	Hex	cNm	Graduation	L (mm)	G
BS-6001	Hex	10-120	1	180	230

Model No.	Hex	Nm	Graduation	L (mm)	G
BS-6002	Hex	0.1-1.2	0.01	180	230
BS-6017	Hex	0.4-2.6	0.02	180	230
BS-6204	Hex	1-3.5	0.05	195	340
BS-6202	Hex	1-6	0.1	195	340
BS-6203	Hex	4-9	0.1	195	340
BS-6205	Hex	5-10	0.1	195	340

Model No.	Hex	in-lb	Graduation	L (mm)	G
BS-6013	Hex	0.5-4	0.05	180	230
BS-6014	Hex	2-12	0.1	180	230
BS-6011	Hex	3-15	0.1	180	230
BS-6222	Hex	5-25	0.5	195	340
BS-6223	Hex	10-50	1.0	195	340
BS-6224	Hex	10-90	1.0	195	340

Model No.	Hex	Nm/in-lb	Graduation	L (mm)	G
BS-6004	Hex	0.1-1.2/1.33-10.18	0.01	180	230
BS-6214	Hex	1-3.5/11.03-28.77	0.05	195	340
BS-6212	Hex	1-6/13.28-48.68	0.1	195	340
BS-6213	Hex	4-9/39.83/75.23	0.1	195	340
BS-6215	Hex	5-10/48.68-84.08	0.1	195	340

Model No.	Hex	in-lb/Nm	Graduation	L (mm)	G
BS-6012	Hex	3-15/0.39-1.64	0.1	180	230

Technical Features / Use

- Electronic industry, precision mechanics & industrial manufacturing
- Tolerance of torque $\pm 6\%$.
- (1/4") Square drive.
- Automatic adjustment knob design.
- Easy-to-read laser scale.
- Ergonomic comfort rubber Grip.
- Classified to DIN ISO 6789 & ASME B107.300-2010.



Model No.	<input type="checkbox"/>	cNm	Graduation	L (mm)	G
BS-5001	<input type="checkbox"/>	10-120	1.0	180	230

Model No.	<input type="checkbox"/>	Nm	Graduation	L (mm)	G
BS-5002	<input type="checkbox"/>	0.1-1.2	0.01	180	230
BS-5017	<input type="checkbox"/>	0.4-2.6	0.02	180	230
BS-5204	<input type="checkbox"/>	1-3.5	0.05	195	340
BS-5202	<input type="checkbox"/>	1-6	0.1	195	340
BS-5203	<input type="checkbox"/>	4-9	0.1	195	340
BS-5205	<input type="checkbox"/>	5-10	0.1	195	340

Model No.	<input type="checkbox"/>	in-lb	Graduation	L (mm)	G
BS-5013	<input type="checkbox"/>	0.5-4	0.05	180	230
BS-5014	<input type="checkbox"/>	2-12	0.1	180	230
BS-5011	<input type="checkbox"/>	3-15	0.1	180	230
BS-5222	<input type="checkbox"/>	5-25	0.5	195	340
BS-5223	<input type="checkbox"/>	10-50	1.0	195	340
BS-5224	<input type="checkbox"/>	10-90	1.0	195	340

Model No.	<input type="checkbox"/>	Nm/in-lb	Graduation	L (mm)	G
BS-5004	<input type="checkbox"/>	0.1-1.2/1.33-10.18	0.01	180	230
BS-5214	<input type="checkbox"/>	1-3.5/11.03-28.77	0.05	195	340
BS-5212	<input type="checkbox"/>	1-6/13.28-48.68	0.1	195	340
BS-5213	<input type="checkbox"/>	4-9/39.83-75.23	0.1	195	340
BS-5215	<input type="checkbox"/>	5-10/48.68-84.08	0.1	195	340

Model No.	<input type="checkbox"/>	in-lb/Nm	Graduation	L (mm)	G
BS-5012	<input type="checkbox"/>	3-15/0.39-1.64	0.1	180	230

Technical Features / Use

- Tolerance of torque $\pm 6\%$.
- Ergonomic comfort rubber Grip.
- Easy-to-read laser scale.
- 6.3mm (1/4") Hex drive for bit.
- Use up to 1000V AC/1500V DC.
- Quality meets EN 60900:2004.



Model No.	Hex	Nm	L (mm)	G
BS-6031	6	0.5-4.5	215	440
BS-6032	6	1-6	215	440

Model No.	Hex	in-lb	L (mm)	G
BS-6033	6	10-50	215	440

**PRESET
TORQUE WRENCH**

TORK@SCAR®

Technical Features / Use

- Industrial application.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Quick release mechanism.
- Fixed ratchet for both clockwise and counterclockwise directions.



Model No.	Square drive	Size	Torque Range (Nm)	L(mm)	G
BS-2101W	1/4"	24T	2-10	224	400
BS-2102W			4-20	271	410
BS-2103W			10-50	271	410
BS-3101W	3/8"	32T	20-100	355	950
BS-3102W			10-60	285	535
BS-3103W			2-10	224	400
BS-3104W			4-20	285	535
BS-4101W	1/2"	32T	40-200	430	1215
BS-4102W			60-340	534	1450
BS-4103W			20-100	355	950
BS-6101W	3/4"	24T	100-600	1050	4600
BS-6102W			200-1000	1240	5110
BS-8102W	1"	24T	200-1000	1240	5110
BS-8103W			300-1500	1850	9500

Technical Features / Use

- Industrial application.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Classified to DIN ISO 6789 & ASME B107.300-2010.
- Operation only with end fittings with standardized depth gauges.



Model No.	Insert End	Torque Range (Nm)	L(mm)	G
BS-3201W	9x12	2-10	207	320
BS-3202W		4-20	258	395
BS-3203W		10-60	258	395
BS-3301W	14x18	20-100	355	1000
BS-4301W		20-100	378	1000
BS-4401W		40-200	405	1250
BS-4402W		60-340	490	1400
BS-4601W		100-600	984	5000
BS-4602W		200-1000	1134	5310

Technical Features / Use

- 1/2" Drive.
- Tolerance of torque $\pm 4\%$.
- 105° angle in direction.
- Audible "click" when torque reached.
- Classified to DIN ISO 6789 ASME B107.300-2010.



Model No.	Square drive	Nm	Color	L(mm)	G
BS-8406	1/2"	60	black	428	824
BS-8407		70	yellow	428	824
BS-8408		80	grey	428	824
BS-8420		120	red	428	824
BS-8440		140	blue	428	824



Model No.	Square drive	Nm	Color	L(mm)	G
BS-8409	1/2"	90	black	428	824
BS-8410		100	yellow	428	824
BS-8411		110	grey	428	824
BS-8412		120	red	428	824
BS-8413		130	blue	428	824

L-PRESET TORQUE WRENCH Model No.	Nm	Size	G
BS-8409	90	17, 19, 21	1373
BS-8410	100	17, 19, 21	2373
BS-8411	110	17, 19, 21	1373
BS-8412	120	17, 19, 21	1373
BS-8413	130	17, 19, 21	1373
BS-84W-09, 10, 11, 12, 13	90, 100, 110, 120, 130	----	5144
BS-84W-09, 10, 11, 12, 13	90, 100, 110, 120, 130	17, 19, 21	5388

Technical Features / Use

- CRV-open end series.
- Tolerance of torque $\pm 4\%$
- Unique design of head prevents slipping of the nut while in use.



Model No.	Size	Torque Range (Nm)	L(mm)
BS-1807	7	1-3	126
BS-1808	8	1-3	126
BS-1809	9	1-3	126
BS-1810	10	1-3	126
BS-1812	12	1-3	126
BS-1813	13	1-3	126
BS-1814	14	1-3	126
BS-1816	16	1-3	126
BS-1817	17	1-3	126
BS-1818	18	1-3	126
BS-1819	19	1-3	126
BS-1820	20	1-3	126

Technical Features / Use

- CRV-open end series.
- Tolerance of torque $\pm 4\%$
- Unique design of head to prevent slipping of the nut while in use.



Model No.	Size	Torque Range (Nm)	L(mm)	G
BS-1507	7	3-18	179	310
BS-1508	8	3-18	179	310
BS-1509	9	3-18	179	310
BS-1510	10	3-18	179	310
BS-1512	12	3-18	189	322
BS-1513	13	3-18	189	322
BS-1514	14	3-18	189	322
BS-1516	16	3-18	245	440
BS-1517	17	3-18	245	440
BS-1518	18	3-18	245	440
BS-1519	19	12-100	247	450
BS-1521	21	12-100	247	450
BS-1522	22	12-100	258	510
BS-1523	23	12-100	258	510
BS-1524	24	12-100	258	510
BS-1526	26	12-100	267	530
BS-1527	27	15-120	314	605
BS-1529	29	15-120	314	605
BS-1530	30	15-120	314	605
BS-1532	32	15-120	314	605
BS-1534	34	15-120	324	643
BS-1535	35	15-120	324	643
BS-1536	36	15-120	323	630

Technical Features / Use

- Tolerance of torque $\pm 6\%$.
- Rotary clutch mechanism when desired torque reached.
- For fastening torque in CW/CCW direction.
- Light-Weight easy to use.
- The Customization for the torque setting.
- Classified to DIN 6789 & DIN 3120.
- For low torque applications i.e. motorcycles or bicycle production lines.



Model No.	Square drive □	Square drive ■	Nm	L(mm)	G
BS-1101			0.5-5	75	91
BS-1102	3/8"	1/4"	5-10	75	91
BS-1104			0.1-0.5	75	91

Model No.	Square drive □	Square drive ■	Nm	L(mm)	G
BS-1301			0.5-5	75	91
BS-1302	3/8"	1/4"	5-10	75	91
BS-1304			0.1-0.5	75	91

Model No.	Square drive □	Square drive ■	in-lb	L(mm)	G
BS-1121			4.5-45	75	91
BS-1122	3/8"	1/4"	45-85	75	91
BS-1124			1-4.5	75	91

Model No.	Square drive □	Square drive ■	in-lb	L(mm)	G
BS-1321			4.5-45	75	91
BS-1322	3/8"	1/4"	45-85	75	91
BS-1324			1-4.5	75	91

Technical Features / Use

- Tolerance of torque $\pm 6\%$.
- Rotary slip mechanism.
- Torque function protects from over tightening.
- For fastening torque in clockwise direction.



Model No.	Square drive ■	Nm
BS-5101		1-5
BS-5102	1/4"	5-14

Model No.	Hexagon	Nm
BS-6101		1-5
BS-6102	6mm	5-14

Technical Features / Use

- Tolerance of torque $\pm 6\%$.
- 6.3mm (1/4") Hex drive for bit.
- Ergonomic comfort rubber Grip.
- The Preset torque screwdriver is applied in the production line and where need of a particular torque for repetitive operation is required.
- Classified to DIN ISO 6789 & ASME B107.300-2010.



Model No.	Hex Drive	Nm	L(mm)	G
BS-6115	Hex	0.1-1.2	132	183
BS-6116	Hex	1.0-1.8	132	183
BS-6106	Hex	1-6	200	445
BS-6306	Hex	1-6	142	320
BS-6305	Hex	4-10	142	320

Model No.	Hex Drive	in-lb	L(mm)	G
BS-6121	Hex	1.8-14.1	132	183
BS-6122	Hex	3-15	132	183
BS-6123	Hex	10-50	200	445

Model No.	Hex Drive	Nm	L(mm)	G
BS-5115	Hex	0.2-1.2	132	183
BS-5116	Hex	1.0-1.8	132	183
BS-5106	Hex	1-6	200	445
BS-5306	Hex	1-6	142	340
BS-5305	Hex	4-10	142	340

Model No.	Hex Drive	in-lb	L(mm)	G
BS-5121	Hex	1.8-14.1	132	183
BS-5122	Hex	3-15	132	183
BS-5123	Hex	10-50	200	445

Technical Features / Use

- Tolerance of torque $\pm 6\%$
- Rotary slip mechanism.
- Torque function protects from over tightening valves.
- Fits standard tyre valves-car motorcycle, truck, transporter, tractor.



Model No.	Nm	L(mm)	G
BS-4001	0.4	155	41

Model No.	in-lb	L(mm)	G
BS-4021	2.5	155	41
BS-4022	4	155	41

TORKOSCAR®

Technical Features / Use

- 360° scale clearly marked in 2° increments.
- Indicator etched on clear plastic plate-protects angle scale from dirt and grease.
- For angle indicate to use with torque wrench or ratchet.



Model No.	Square drive	G
BS-414	1/2" x 1/2"	159

Technical Features / Use

- Robust Aluminium alloy scale plate.
- Two Lengths arm with flexibility to fixed working surface



Model No.	Square drive	G
BS-414S	1/2" x 1/2"	360
BS-616	3/4" x 3/4"	621

Technical Features / Use

- Flexible arm
- Strong magnet



Model No.	Square drive	G
BS-414M	1/2" x 1/2"	255

TORKOSCAR®

Technical Features / Use

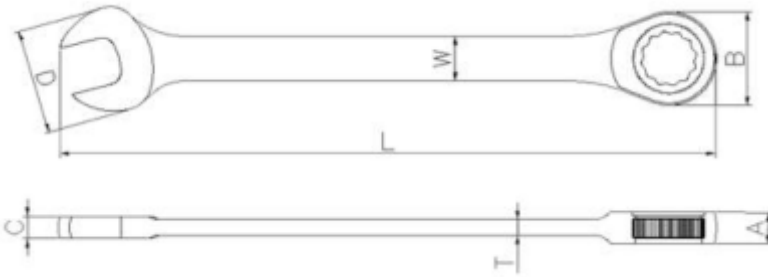
- Specialized torque testing equipment designed for testing various mechanical torque wrenches.
- Simple, accurate and cost-effective torque tester for performing in house calibration test.
- High speed data reading (2400 run/sec)
- RS-232 communication port is included for the output of reading to PC.
- Six torque units available for application(Lb-ft, Lb-in, N-m,N-cm, kg-m, kg-cm)
- As a standard, all transducers are calibrated in a clockwise direction with a traceable calibration certificate.
- Quality meets BS7882:1997 standard with the accuracy of +5% of reading over the 20%-100% of full scale.
- With three operating modes: "Track" displays the live value' "Peak" records the highest value and "First Peak" records the first peak of torque.
- Under "First Peak" mode, the "light signal" and "Buzzer" indicate the testing completion and testing return to zero.
- Memory function can display the 4 previous readings taken by the operator. There's no need to stop and write after each reading.



Model No.	N.m	Accuracy	Resolution	□	■	Operating Temperature	Storage Temperature	Base Material / Finish	L x W x H	G
BS-7718-6	2-60Nm	± 0.5%	0.001	10mm	1/4,3/8,1/2	+5°C -40°C	+0°C -70°C	Aluminium alloy /Painting	210x150x140mm	7700
BS-7718-4	8-400Nm	± 0.5%	0.01	22mm	3/8, 1/2, 3/4	+5°C -40°C	+0°C -70°C	Aluminium alloy /Painting	210x150x140mm	8100
BS-7718-15	100-1500Nm	± 0.5%	0.1	36mm	3/4	+5°C -40°C	+0°C -70°C	Aluminium alloy /Painting	210x150x140mm	8900

Technical Features / Use

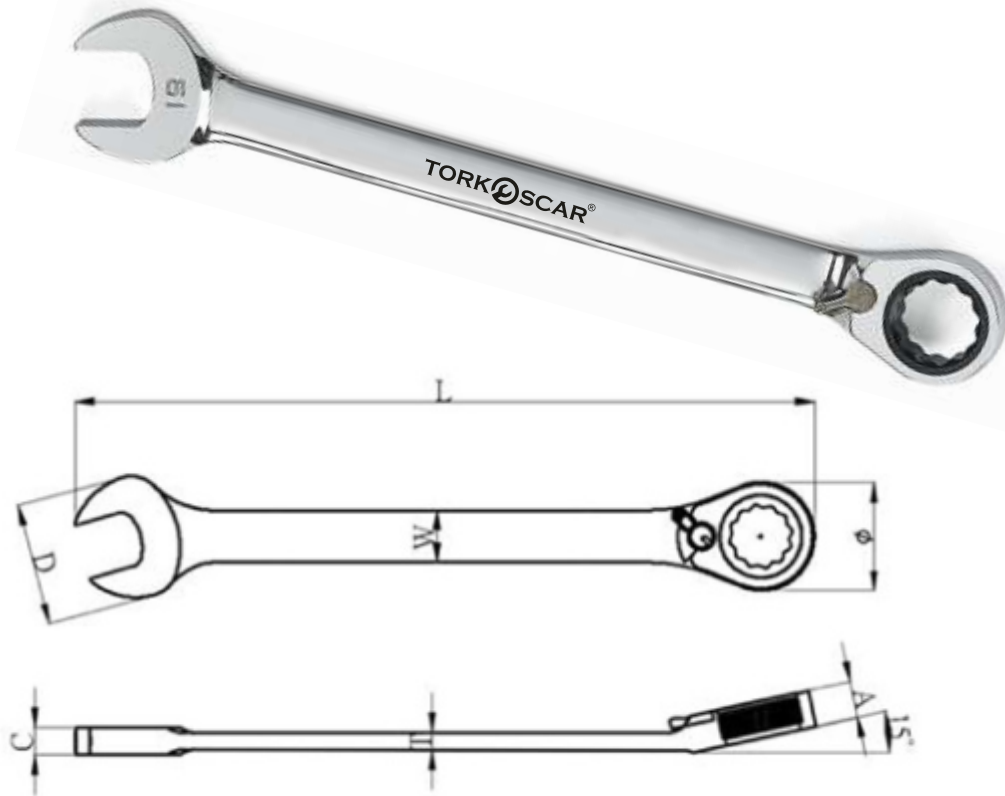
- 72 Teeth Ratcheting Ring
- Chrome Vanadium Steel
- Mirror Polished Surface



Model No.	Size	Inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	W (mm)	T (mm)
BS-WB 06	6mm	1/4"	139	6.90	17.50	4.10	17.70	8.10	2.80
BS-WB 08	8mm	5/16"	139	6.90	17.50	4.10	17.70	8.10	2.80
BS-WB 09	9mm	-	149	7.10	19.00	4.30	19.50	8.60	2.90
BS-WB 10	10mm	3/8"	158	7.60	20.50	4.70	22.00	9.30	3.20
BS-WB 11	11mm	7/16"	164	8.00	22.00	5.10	23.80	10.30	3.50
BS-WB 12	12mm	-	170	8.00	23.50	5.40	26.00	11.20	3.80
BS-WB 13	13mm	1/2"	177	8.70	25.20	5.70	27.50	12.00	3.90
BS-WB 14	14mm	9/16"	190	9.30	27.30	6.10	30.50	12.90	4.20
BS-WB 15	15mm	-	198	9.90	28.70	6.50	31.80	14.00	4.40
BS-WB 16	16mm	5/8"	207	10.00	30.20	6.60	34.00	15.00	4.60
BS-WB 17	17mm	11/16"	224	10.60	32.10	7.10	36.00	15.80	4.80
BS-WB 18	18mm	-	235	11.20	33.20	7.60	38.00	16.50	5.20
BS-WB 19	19mm	3/4"	246	11.70	34.20	8.10	40.20	17.10	5.40
BS-WB 21	21mm	13/16"	288	13.50	40.80	9.00	45.50	19.50	6.00
BS-WB 22	22mm	7/8"	288	13.50	40.80	9.00	45.50	19.50	6.00
BS-WB 24	24mm	15/16"	318	14.50	46.60	1.10	51.80	22.50	7.00
BS-WB 25	25mm	1"	318	14.50	46.60	10.10	51.80	22.50	7.00
BS-WB 27	27mm	1-1/16"	358	15.60	52.50	10.80	57.00	24.50	7.60
BS-WB 28	28mm	-	358	15.60	52.50	10.80	57.00	24.50	7.60
BS-WB 29	29mm	1-1/8"	424	17.50	63.00	12.00	66.00	29.00	8.50
BS-WB 30	30mm	1-3/16"	424	17.50	63.00	12.00	66.00	29.00	8.50
BS-WB 32	32mm	1-1/4"	424	17.50	63.00	12.00	66.00	29.00	8.50

Technical Features / Use

- 72 teeth Ratcheting Ring- Chrome Moly Steel
- Bobby-Chrome Vanadium Steel
- 15° Offset Offers Increased Clearance
- Mirror Polished Surface
- Flush Mounted Reversing Slice Improves Access



Model No.	Size	Inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	W (mm)	T (mm)
BS-RG 08	8mm	5/16"	139	6.90	17.50	4.10	17.70	8.10	2.80
BS-RG 09	9mm	-	149	7.10	19.00	4.30	19.50	8.60	2.90
BS-RG 10	10mm	3/8"	158	7.60	20.50	4.70	22.00	9.30	3.20
BS-RG 11	11mm	7/16"	164	8.00	22.00	5.10	23.80	10.30	3.50
BS-RG 12	12mm	-	170	8.50	23.50	5.40	26.00	11.20	3.80
BS-RG 13	13mm	1/2"	177	8.70	25.20	5.70	27.50	12.00	3.90
BS-RG 14	14mm	9/16"	190	9.30	27.30	6.10	30.50	12.90	4.20
BS-RG 15	15mm	-	198	9.90	28.70	6.50	31.80	14.00	4.40
BS-RG 16	16mm	5/8"	207	10.00	30.20	6.60	34.00	15.00	4.60
BS-RG 17	17mm	11/16"	224	10.60	32.10	7.10	36.00	15.80	4.80
BS-RG 18	18mm	-	235	11.20	33.20	7.60	38.00	16.50	5.20
BS-RG 19	19mm	3/4"	246	11.70	34.20	8.10	40.20	17.10	5.40
BS-RG 21	21mm	15/16"	288	13.50	40.80	9.00	45.50	19.50	6.00
BS-RG 22	22mm	7/8"	288	13.50	40.80	9.00	45.50	19.50	6.00
BS-RG 24	24mm	15/16"	318	14.50	46.60	10.10	51.80	22.50	7.00
BS-RG 25	25mm	1"	318	14.50	46.60	10.10	51.80	22.50	7.00

STANDARD BOLT TIGHTENING TORQUE

CODE NO.	Pitch mm	Bolt Hex mm	Strength Grade (N.m)				
			4.6	6.8	8.8	10.9	12.9
3	0.5	5.5	0.51	1.01	1.35	1.9	2.27
4	0.7	7	0.95	1.91	2.54	3.57	4.29
5	0.8	8	2.28	4.56	6.09	8.56	10.3
6	1	10	3.92	7.85	10.5	14.7	17.7
8	1.25	13	9.48	18.9	25.3	35.5	42.7
10	1.5	17	19.1	38.1	50.9	71.5	86.8
12	1.75	19	32.6	65.1	86.9	122	146
14	2	22	51.9	104	139	195	234
16	2	24	79.9	160	213	299	359
18	2.5	27	110	220	293	413	495
20	2.5	30	156	312	416	585	702
22	2.5	32	211	422	563	792	950
24	3	36	270	539	719	1010	1213
27	3	41	398	795	1060	1490	1789
30	3.5	46	540	1080	1440	2025	2430