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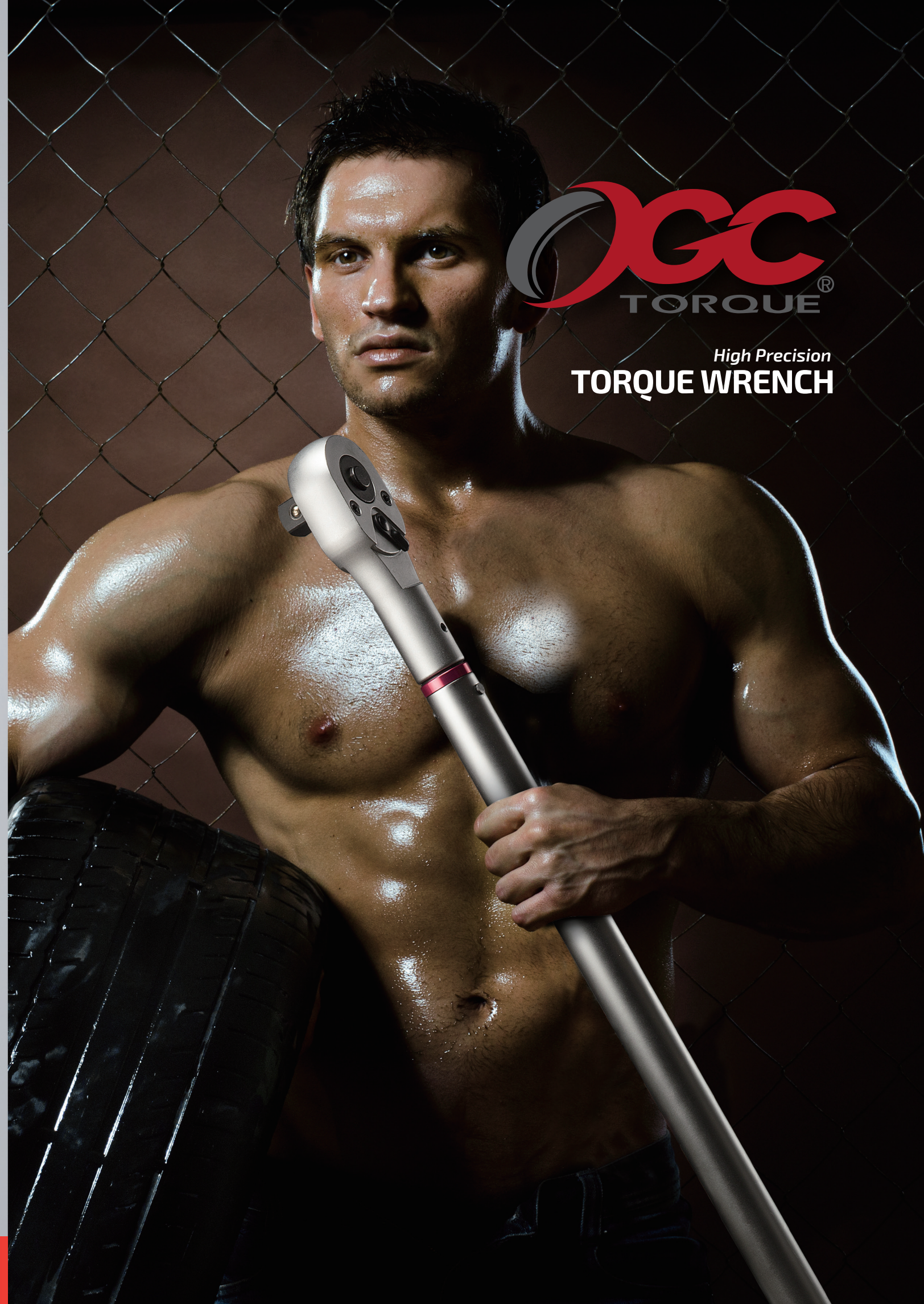


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Freesir Design Digital Company Limited / 886-4-23818317 / www.freesirdesign.com



High Precision
TORQUE WRENCH





We develop top-quality torque tools to satisfy the increasing demand of high-accuracy tools in traffic and mechanical industries. We understand the importance of safety and commit to provide the most secure and easily-accessible tools for all. We continues to invest in the latest manufacturing equipment, calibration testers, and quality control facilities to ensure each product exceeds international standards. We firmly believe that customers always come first. We will continue to focus on product precision, stability and durability with the quality of the upgrade.

PRODUCTS

The mechanical torque products lines including mechanism torque wrenches, torque screwdrivers, torque devices are calibrating individually and according with DIN-ISO and ASME international standards.

DIN-ISO ASME



Taiwan patent
M 463172 / M 438950
M 434652 / M 459965

China patent
ZL 2013 2 0115830.X

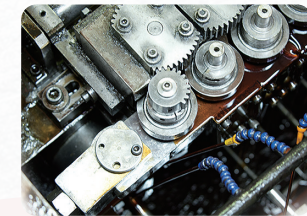
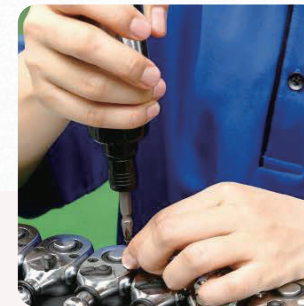
**BUNDESREPUBLIK
DEUTSCHLAND**
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TUV GS
Z1A 13 10 85155 003

FAITH

Customer

In addition to quality improvement, we have to pay attention on "customer satisfaction". OGC wishes to offer considerate services surpassed clients expectation.



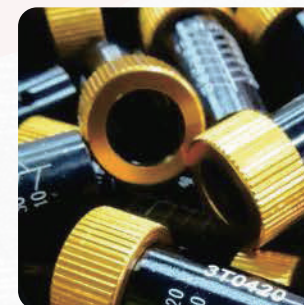
Foresight

Our each steps with responsibility and duty, we will continue to gradually move forward to design and create new mechanism torque products to increase your work efficiency.



Innovation

To include manufacturing process, technology, efficient service, management, OGC has up-and-coming, practice and broadness attitudes to face any challenges.



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Timeless, Accurate, Zero Mistakes
Your reliable torque tool provider



L01

36 Teeth **Feature:**

1. Accuracy CW $\pm 3\%$, CWW $\pm 5\%$
2. Low weight and smooth adjusting design for energy saving.
3. The tube made of alloy steel with good performance of hardenability.
4. Heavy-duty & accurate mechanism for industrial use.
5. Fashionable looks hold a special attraction.
6. Quick-release button.
7. Each torque wrench has unique series no. and attached of Certification report.
8. Exceed DIN-ISO and ASME international standards requirement.

Application:

Automobile, Heavy Engineering (Wind, Farm, Thermal Power Station, Petrochemicals),
Aeronautics & Military.

S P E C I F I C A T I O N	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN. LB. & N.M	Graduation TTTTT	Length mm	Weight g	Case CTN
	L2B-1F01	1/4"	36	20-100 IN-LB	1.0 IN-LB	286	468	25
	L2A-2F01	1/4"	36	40-200 IN-LB	1.0 IN-LB	320	520	25
	L3B-1F01	3/8"	36	40-200 IN-LB	1.0 IN-LB	320	527	25
	L3A-2F01	3/8"	36	15-100 FT-LB	0.5 FT-LB	429	935	16
	L4B-1F01	1/2"	36	20-150 FT-LB	1.0 FT-LB	505	1320	9
	L4A-2F01	1/2"	36	30-250 FT-LB	1.0 FT-LB	557	1415	9
	L2B-1N01	1/4"	36	2-10 NM	0.1 NM	286	468	25
	L2A-2N01	1/4"	36	4-20 NM	0.1 NM	320	520	25
S P E C I F I C A T I O N	L3B-1N01	3/8"	36	4-20 NM	0.1 NM	320	527	25
	L3B-2N01	3/8"	36	10-60 NM	0.5 NM	325	537	25
	L3A-2N01	3/8"	36	20-100 NM	0.5 NM	429	935	16
	L4B-1N01	1/2"	36	40-200 NM	1.0 NM	505	1320	9
	L4B-2N01	1/2"	36	20-100 NM	0.5 NM	429	945	16
	L4A-2N01	1/2"	36	60-340 NM	2.0 NM	557	1415	9
	Supplied Mat Finished For Option							
	L2A-2FN01	1/4"	36	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	320	520	25
	L3B-1FN01	3/8"	36	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	320	527	25
	L3A-2FN01	3/8"	36	15-100 FT-LB/23.7-139NM	0.5 FT-LB	429	935	16
S P E C I F I C A T I O N	L4B-1FN01	1/2"	36	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	505	1320	9
	L4A-2FN01	1/2"	36	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	557	1415	9
	L2B-1NF01	1/4"	36	2-10 NM/22-93 IN-LB	0.1 NM	286	468	25
	L2A-2NF01	1/4"	36	4-20 NM/40-181 IN-LB	0.1 NM	320	520	25
	L3B-1NF01	3/8"	36	4-20 NM/40-181 IN-LB	0.1 NM	320	527	25
	L3B-2NF01	3/8"	36	10-60 NM/9.2-46.1 FT-LB	0.5 NM	325	537	25
	L3A-2NF01	3/8"	36	20-100 NM/16.6-75.6 FT-LB	0.5 NM	429	935	16
	L4B-1NF01	1/2"	36	40-200 NM/33.2-151.2 FT-LB	1.0 NM	505	1320	9
	L4B-2NF01	1/2"	36	20-100 NM/16.6-75.6 FT-LB	0.5 NM	429	935	16
	L4A-2NF01	1/2"	36	60-340 NM/51.6-258.1 FT-LB	2.0 NM	557	1415	9

TORQUE WRENCH



L02

36 Teeth **Feature:**

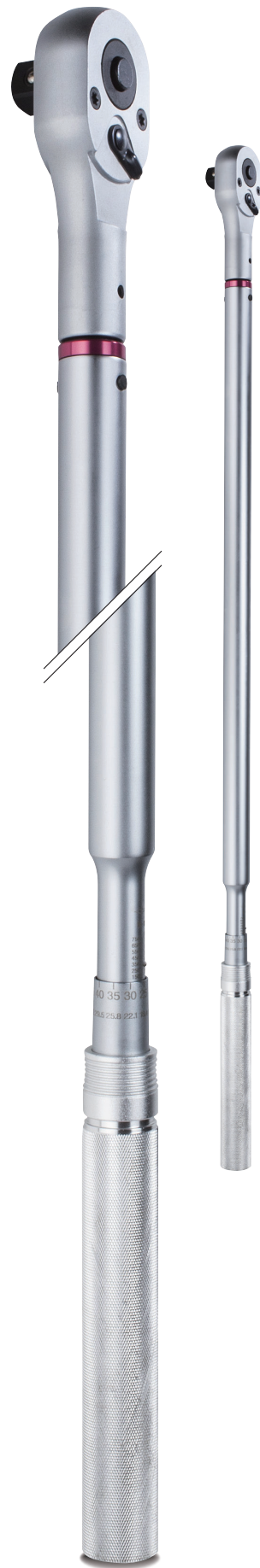
1. Accuracy CW $\pm 3\%$, CWW $\pm 5\%$
2. Low weight and smooth adjusting design for energy saving.
3. The tube made of alloy steel with good performance of hardenability.
4. Heavy-duty & accurate mechanism for industrial use.
5. Fashionable looks hold a special attraction.
6. Quick-release button.
7. Each torque wrench has unique series no. and attached of Certification report.
8. Exceed DIN-ISO and ASME international standards requirement.
9. TPR handle.

Application:

Automobile, Heavy Engineering (Wind, Farm, Thermal Power Station, Petrochemicals),
Aeronautics & Military.

S P E C I F I C A T I O N	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN. LB. & N.M	Graduation TTTTT	Length mm	Weight g	Case CTN
	L2B-1F02	1/4"	36	20-100 IN-LB	1.0 IN-LB	286	456	25
	L2A-2F02	1/4"	36	40-200 IN-LB	1.0 IN-LB	320	508	25
	L3B-1F02	3/8"	36	40-200 IN-LB	1.0 IN-LB	320	515	25
	L3A-2F02	3/8"	36	15-100 FT-LB	0.5 FT-LB	429	911	16
	L4B-1F02	1/2"	36	20-150 FT-LB	1.0 FT-LB	505	1300	9
	L4A-2F02	1/2"	36	30-250 FT-LB	1.0 FT-LB	557	1396	9
	L2B-1N02	1/4"	36	2-10 NM	0.1 NM	286	456	25
	L2A-2N02	1/4"	36	4-20 NM	0.1 NM	320	508	25
S P E C I F I C A T I O N	L3B-1N02	3/8"	36	4-20 NM	0.1 NM	320	515	25
	L3B-2N02	3/8"	36	10-60 NM	0.5 NM	325	525	25
	L3A-2N02	3/8"	36	20-100 NM	0.5 NM	429	911	16
	L4B-1N02	1/2"	36	40-200 NM	1.0 NM	505	1300	9
	L4B-2N02	1/2"	36	20-100 NM	0.5 NM	429	921	16
	L4A-2N02	1/2"	36	60-340 NM	2.0 NM	557	1396	9
	Supplied Mat Finished For Option							
	L2A-2FN02	1/4"	36	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	320	508	25
	L3B-1FN02	3/8"	36	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	320	515	25
	L3A-2FN02	3/8"	36	15-100 FT-LB/23.7-139NM	0.5 FT-LB	429	911	16
S P E C I F I C A T I O N	L4B-1FN02	1/2"	36	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	505	1300	9
	L4A-2FN02	1/2"	36	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	557	1396	9
	L2B-1NF02	1/4"	36	2-10 NM/22-93 IN-LB	0.1 NM	286	456	25
	L2A-2NF02	1/4"	36	4-20 NM/40-181 IN-LB	0.1 NM	320	508	25
	L3B-1NF02	3/8"	36	4-20 NM/40-181 IN-LB	0.1 NM	320	515	25
	L3B-2NF02	3/8"	36	10-60 NM/9.2-46.1 FT-LB	0.5 NM	325	525	25
	L3A-2NF02	3/8"	36	20-100 NM/16.6-75.6 FT-LB	0.5 NM	429	911	16
	L4B-1NF02	1/2"	36	40-200 NM/33.2-151.2 FT-LB	1.0 NM	505	1300	9
	L4B-2NF02	1/2"	36	20-100 NM/16.6-75.6 FT-LB	0.5 NM	429	921	16
	L4A-2NF02	1/2"	36	60-340 NM/51.6-258.1 FT-LB	2.0 NM	557	1396	9

TORQUE WRENCH



L01 Long Type 24 Teeth

Feature:

1. Accuracy CW $\pm 3\%$, CWW $\pm 5\%$
2. Low weight and smooth adjusting design for energy saving.
3. The tube made of alloy steel with good performance of hardenability.
4. Heavy-duty & accurate mechanism for industrial use.
5. Fashionable looks hold a special attraction.
6. Quick-release button.
7. Each torque wrench has unique series no. and attached of Certification report.
8. Exceed DIN-ISO and ASME international standards requirement.

Application:

Automobile, Heavy Engineering (Wind, Farm, Thermal Porwer Station, Petrochemicals),
Aeronautics & Military.

SPECIFICATION	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN. LB. & N.M	Graduation TTTTT	Length mm	Weight g	Case CTN
	L6B-1F01	3/4"	24	50-450 FT-LB	5.0 FT-LB	1048	4616	2
	L6A-2F01	3/4"	24	100-600 FT-LB	5.0 FT-LB	1177	5135	2
	L6A-3F01	3/4"	24	150-750 FT-LB	5.0 FT-LB	1177	5135	2
	L8A-2F01	1"	24	100-600 FT-LB	5.0 FT-LB	1177	5475	2
	L8A-3F01	1"	24	150-750 FT-LB	5.0 FT-LB	1177	5475	2
	L8A-4F01	1"	24	200-1000 FT-LB	10.0 FT-LB	1900	10005	1
	L8A-5F01	1"	24	300-1500 FT-LB	10.0 FT-LB	1900	10005	1
	L6B-1N01	3/4"	24	100-600 NM	5.0 NM	1048	4616	2
	L6A-2N01	3/4"	24	150-800 NM	5.0 NM	1177	5135	2
	L6A-3N01	3/4"	24	200-1000 NM	5.0 NM	1177	5135	2
	L8A-2N01	1"	24	150-800 NM	5.0 NM	1177	5475	2
	L8A-3N01	1"	24	200-1000 NM	5.0 NM	1177	5475	2
	L8A-4N01	1"	24	300-1500 NM	10.0 NM	1900	10005	1
	L8A-5N01	1"	24	400-2000NM	10.0 NM	1900	10005	1
SPECIFICATION	Supplied Mat Finished For Option							
	Item No.	Size inch	Teeth T	Torque Range	Graduation	Length mm	Weight g	Case CTN
	L6B-1FN01	3/4"	24	50-450 FT-LB/102-644 NM	5.0 FT-LB	1048	4616	2
	L6A-2FN01	3/4"	24	100-600 FT-LB/169-847 NM	5.0 FT-LB	1177	5135	2
	L6A-3FN01	3/4"	24	150-750 FT-LB/237-1051 NM	5.0 FT-LB	1177	5135	2
	L8A-2FN01	1"	24	100-600 FT-LB/169-847 NM	5.0 FT-LB	1177	5475	2
	L8A-3FN01	1"	24	150-750 FT-LB/237-1051 NM	5.0 FT-LB	1177	5475	2
	L8A-4FN01	1"	24	200-1000 FT-LB/305-1390NM	10.0 FT-LB	1900	10005	1
	L8A-5FN01	1"	24	300-1500 FT-LB/475-2101NM	10.0 FT-LB	1900	10005	1
	L6B-1NF01	3/4"	24	100-600 NM/92-461 FT-LB	5.0 NM	1048	4616	2
	L6A-2NF01	3/4"	24	150-800 NM/129-609 FT-LB	5.0 NM	1177	5135	2
	L6A-3NF01	3/4"	24	200-1000 NM/166-756 FT-LB	5.0 NM	1177	5135	2
	L8A-2NF01	1"	24	150-800 NM/129-609 FT-LB	5.0 NM	1177	5475	2
	L8A-3NF01	1"	24	200-1000 NM-166-756 FT-LB	5.0 NM	1177	5475	2
	L8A-4NF01	1"	24	300-1500 NM/258-1143 FT-LB	10.0 NM	1900	10005	1
	L8A-5NF01	1"	24	400-2000 NM/332-1512 FT-LB	10.0 NM	1900	10005	1



L02 Long Type 24 Teeth

Feature:

1. Accuracy CW $\pm 3\%$, CWW $\pm 5\%$
2. Low weight and smooth adjusting design for energy saving.
3. The tube made of alloy steel with good performance of hardenability.
4. Heavy-duty & accurate mechanism for industrial use.
5. Fashionable looks hold a special attraction.
6. Quick-release button.
7. Each torque wrench has unique series no. and attached of Certification report.
8. Exceed DIN-ISO and ASME international standards requirement.
9. TPR handle.

Application:

Automobile, Heavy Engineering (Wind, Farm, Thermal Porwer Station, Petrochemicals),
Aeronautics & Military.

SPECIFICATION	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN. LB. & N.M	Graduation TTTTT	Length mm	Weight g	Case CTN
	L6B-1F02	3/4"	24	50-450 FT-LB	5.0 FT-LB	1048	4563	2
	L6A-2F02	3/4"	24	100-600 FT-LB	5.0 FT-LB	1177	5080	2
	L6A-3F02	3/4"	24	150-750 FT-LB	5.0 FT-LB	1177	5080	2
	L8A-2F02	1"	24	100-600 FT-LB	5.0 FT-LB	1177	5420	2
	L8A-3F02	1"	24	150-750 FT-LB	5.0 FT-LB	1177	5420	2
	L8A-4F02	1"	24	200-1000 FT-LB	10.0 FT-LB	1900	9950	1
	L8A-5F02	1"	24	300-1500 FT-LB	10.0 FT-LB	1900	10005	1
	L6B-1N02	3/4"	24	100-600 NM	5.0 NM	1048	4563	2
	L6A-2N02	3/4"	24	150-800 NM	5.0 NM	1177	5080	2
	L6A-3N02	3/4"	24	200-1000 NM	5.0 NM	1177	5080	2
	L8A-2N02	1"	24	150-800 NM	5.0 NM	1177	5420	2
	L8A-3N02	1"	24	200-1000 NM	5.0 NM	1177	5420	2
	L8A-4N02	1"	24	300-1500 NM	10.0 NM	1900	9950	1
	L8A-5N02	1"	24	400-2000NM	10.0 NM	1900	10005	1
SPECIFICATION	Supplied Mat Finished For Option							
	Item No.	Size inch	Teeth T	Torque Range	Graduation	Length mm	Weight g	Case CTN
	L6B-1FN02	3/4"	24	50-450 FT-LB/102-644 NM	5.0 FT-LB	1048	4563	2
	L6A-2FN02	3/4"	24	100-600 FT-LB/169-847 NM	5.0 FT-LB	1177	5080	2
	L6A-3FN02	3/4"	24	150-750 FT-LB/237-1051 NM	5.0 FT-LB	1177	5080	2
	L8A-2FN02	1"	24	100-600 FT-LB/169-847 NM	5.0 FT-LB	1177	5420	2
	L8A-3FN02	1"	24	150-750 FT-LB/237-1051 NM	5.0 FT-LB	1177	5420	2
	L8A-4FN02	1"	24	200-1000 FT-LB/305-1390NM	10.0 FT-LB	1900	9950	1
	L8A-5FN02	1"	24	300-1500 FT-LB/475-2101NM	10.0 FT-LB	1900	10005	1
	L6B-1NF02	3/4"	24	100-600 NM/92-461 FT-LB	5.0 NM	1048	4563	2
	L6A-2NF02	3/4"	24	150-800 NM/129-609 FT-LB	5.0 NM	1177	5080	2
	L6A-3NF02	3/4"	24	200-1000 NM/166-756 FT-LB	5.0 NM	1177	5080	2
	L8A-2NF02	1"	24	150-800 NM/129-609 FT-LB	5.0 NM	1177	5420	2
	L8A-3NF02	1"	24	200-1000 NM-166-756 FT-LB	5.0 NM	1177	5420	2
	L8A-4NF02	1"	24	300-1500 NM/258-1143 FT-LB	10.0 NM	1900	9950	1
	L8A-5NF01	1"	24	400-2000 NM/332-1512 FT-LB	10.0 NM	1900	10005	1



PB03

24 Teeth **Feature:**

1. Accuracy CW $\pm 4\%$
2. Grip handle for smoothly adjustment.
3. Consistent & accurate mechanism for professional use.
4. Good surface chrome-plated with a good appearance.
5. ABS handle.
6. Nice and clear stamping scales.
7. Meet DIN-ISO and ASME international standards requirement.

Application:

Automobile, Boat, Motorcycle, Bicycle

SPECIFICATION	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN. LB. & N.M	Graduation TTTTT	Length mm	Weight g	Case CTN
	PB2A-1F03	1/4"	24	30-250 IN-LB	1.0 IN-LB	308	389	25
	PB3B-1F03	3/8"	24	5-45 FT-LB	0.5 FT-LB	340	440	25
	PB3A-2F03	3/8"	24	15-80 FT-LB	0.5 FT-LB	458	1185	12
	PB4B-1F03	1/2"	24	30-150 FT-LB	1.0 FT-LB	531	1405	12
	PB4A-2F03	1/2"	24	40-250 FT-LB	1.0 FT-LB	585	1497	12
	PB6B-1F02	3/4"	24	50-450 FT-LB	5.0 FT-LB	1048	4563	2
	PB6A-2F02	3/4"	24	100-600 FT-LB	5.0 FT-LB	1177	5080	2
	PB6A-3F02	3/4"	24	150-750 FT-LB	5.0 FT-LB	1177	5080	2
	PB8A-2F02	1"	24	100-600 FT-LB	5.0 FT-LB	1177	5420	2
	PB8A-3F02	1"	24	150-750 FT-LB	5.0 FT-LB	1177	5420	2
	PB2A-1N03	1/4"	24	2-26 NM	0.2 NM	308	389	25
	PB3B-1N03	3/8"	24	5-60 NM	0.1 NM	340	440	25
	PB3A-2N03	3/8"	24	20-110 NM	0.5 NM	340	457	25
	PB4B-1N03	1/2"	24	40-210 NM	1.0 NM	531	1405	12
	PB4A-2N03	1/2"	24	50-350 NM	2.0 NM	585	1497	12
	PB6B-1N02	3/4"	24	100-600 NM	5.0 NM	1048	4563	2
	PB6A-2N02	3/4"	24	150-800 NM	5.0 NM	1177	5080	2
	PB6A-3N02	3/4"	24	200-1000 NM	5.0 NM	1177	5080	2
	PB8A-2N02	1"	24	150-800 NM	5.0 NM	1177	5420	2
	PB8A-3N02	1"	24	200-1000 NM	5.0 NM	1177	5420	2
	Supplied Mat Finished For Option							
	PB2A-1FN03	1/4"	24	30-250 IN-LB/4.5-29.8 NM	1.0 IN-LB	340	433	25
	PB3B-1FN03	3/8"	24	5-45 FT-LB/10.2-64.6 NM	0.5 FT-LB	340	440	25
	PB3A-2FN03	3/8"	24	15-80 FT-LB/23.7-112.1 NM	0.5 FT-LB	458	1185	12
	PB4B-1FN03	1/2"	24	30-150 FT-LB/47.4-210.6 NM	1.0 FT-LB	531	1405	12
	PB4A-2FN03	1/2"	24	40-250 FT-LB/61-346.6 NM	1.0 FT-LB	585	1497	12
	PB6B-1FN02	3/4"	24	50-450 FT-LB/102-644 NM	5.0 FT-LB	1048	4563	2
	PB6A-2FN02	3/4"	24	100-600 FT-LB/169-847 NM	5.0 FT-LB	1177	5080	2
	PB6A-3FN02	3/4"	24	150-750 FT-LB/237-1051 NM	5.0 FT-LB	1177	5080	2
	PB8A-2FN02	1"	24	100-600 FT-LB/169-847 NM	5.0 FT-LB	1177	5420	2
	PB8A-3FN02	1"	24	150-750 FT-LB/237-1051 NM	5.0 FT-LB	1177	5420	2
	PB2A-1NF03	1/4"	24	2-26 NM/26.6-239 IN-LB	0.2 NM	308	389	25
	PB3B-1NF03	3/8"	24	5-60 NM/5.5-46.2 FT-LB	0.5 NM	340	440	25
	PB3A-2NF03	3/8"	24	20-110 NM/16.6-83.2 FT-LB	0.5 NM	340	457	25
	PB4B-1NF03	1/2"	24	40-210 NM-33.2-158.6 FT-LB	1.0 NM	531	1405	12
	PB4A-2NF03	1/2"	24	50-350 NM/44.3-264.8 FT-LB	2.0 NM	585	1497	12
	PB6B-1NF02	3/4"	24	100-600 NM/92-461 FT-LB	5.0 NM	1048	4563	2
	PB6A-2NF02	3/4"	24	150-800 NM/129-609 FT-LB	5.0 NM	1177	5080	2
	PB6A-3NF02	3/4"	24	200-1000 NM/166-756 FT-LB	5.0 NM	1177	5080	2
	PB8A-2NF02	1"	24	150-800 NM/129-609 FT-LB	5.0 NM	1177	5420	2
	PB8A-3NF02	1"	24	200-1000 NM-166-756 FT-LB	5.0 NM	1177	5420	2

TORQUE WRENCH



PBM03

24 Teeth **Feature:**

1. Accuracy CW $\pm 4\%$
2. Grip handle for smoothly adjustment.
3. Consistent & accurate mechanism for professional use.
4. Good surface chrome-plated with a good appearance.
5. ABS handle.
6. Nice and clear stamping scales.
7. Meet DIN-ISO and ASME international standards requirement.

Application:

Automobile, Boat, Motorcycle, Bicycle

SPECIFICATION	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN. LB. & N.M	Graduation TTTTT	Length mm	Weight g	Case CTN
	PBM2A-1F03	1/4"	24	30-250 IN-LB	1.0 IN-LB	308	389	25
	PBM3B-1F03	3/8"	24	5-45 FT-LB	0.5 FT-LB	340	440	25
	PBM3A-2F03	3/8"	24	15-80 FT-LB	0.5 FT-LB	458	1185	12
	PBM4B-1F03	1/2"	24	30-150 FT-LB	1.0 FT-LB	531	1405	12
	PBM2A-1N03	1/4"	24	2-26 NM	0.2 NM	308	389	25
	PBM3B-1N03	3/8"	24	5-60 NM	0.5 NM	340	440	25
	PBM3A-2N03	3/8"	24	20-110 NM	0.5 NM	340	457	25
	PBM4B-1N03	1/2"	24	40-210 NM	1.0 NM	531	1405	12
	Supplied Mat Finished For Option							
	PBM2A-2FN03	1/4"	24	30-250 IN-LB/4.5-29.8 NM	1.0 IN-LB	340	433	25
	PBM3B-1FN03	3/8"	24	5-45 FT-LB/10.2-64.6 NM	0.5 FT-LB	340	440	25
	PBM3A-2FN03	3/8"	24	15-80 FT-LB/23.7-112.1 NM	0.5 FT-LB	458	1185	12
	PBM4B-1FN03	1/2"	24	30-150 FT-LB/47.4-210.6 NM	1.0 FT-LB	531	1405	12
	PBM2A-1NF03	1/4"	24	2-26 NM/26.6-239 IN-LB	0.2 NM	308	389	25
	PBM3B-1NF03	3/8"	24	5-60 NM/5.5-46.2 FT-LB	0.5 NM	340	440	25
	PBM3A-2NF03	3/8"	24	20-110 NM/16.6-83.2 FT-LB	0.5 NM	458	1185	12
	PBM4B-1NF03	1/2"	24	40-210 NM/33.2-158.6 FT-LB	1.0 NM	531	1405	12

TORQUE WRENCH



AB01

24 Teeth

Feature:

1. Accuracy CW $\pm 4\%$
2. Low weight and smooth adjusting design for energy saving.
3. The tube made of alloy steel with good performance of hardenability.
4. Heavy-duty & accurate mechanism for industrial use.
5. Fashionable looks hold a special attraction.
6. Quick-release button.
7. Each torque wrench has unique series no. and attached of Certification report.
8. Exceed DIN-ISO and ASME international standards requirement.

Application:

Automobile, Heavy Engineering (Wind, Farm, Thermal Power Station, Petrochemicals),
Aeronautics & Military.

SPECIFICATION	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN.LB. & N.M	Graduation TTTT	Length mm	Weight g	Case CTN
	AB2A-2F01	1/4"	24	30-250 IN-LB	1.0 IN-LB	350	550	
	AB3A-1F01	3/8"	24	5-45 FT-LB	0.5 FT-LB	413	830	
	AB4B-1F01	1/2"	24	30-150 FT-LB	1.0 FT-LB	472	1260	
	AB4A-2F01	1/2"	24	40-250 FT-LB	1.0 FT-LB	566	1450	
	AB2A-2N01	1/4"	24	2-26 NM	0.2 NM	350	550	
	AB3A-1N01	3/8"	24	5-60 NM	0.5 NM	413	830	
	AB4B-1N01	1/2"	24	40-210 NM	1.0 NM	472	1260	
	AB4A-2N01	1/2"	24	50-350 NM	2.0 NM	566	1450	
	Supplied Mat Finished For Option							
	AB2A-2FN01	1/4"	24	30-250 IN-LB/4.5-29.8 NM	2.0 IN-LB	350	550	
	AB3A-1FN01	3/8"	24	5-45 FT-LB/10.2-64.6 NM	0.5 FT-LB	413	830	
	AB4B-1FN01	1/2"	24	30-150 FT-LB/47.4-210.6 NM	1.0 FT-LB	472	1260	
	AB4A-2FN01	1/2"	24	40-250 FT-LB/61-346.6 NM	1.0 FT-LB	566	1450	
	AB2A-2NF01	1/4"	24	2-26 NM/26.6-239 IN-LB	0.2 NM	350	550	
	AB3A-1NF01	3/8"	24	5-60 NM/5.5-46.2 FT-LB	0.5 NM	413	830	
	AB4B-1NF01	1/2"	24	40-210 NM/33.2-158.6 FT-LB	1.0 NM	472	1260	
	AB4A-2NF01	1/2"	24	50-350 NM/44.3-264.8 FT-LB	2.0 NM	566	1450	



ABM01

24 Teeth

Feature:

1. Accuracy CW $\pm 4\%$
2. Low weight and smooth adjusting design for energy saving.
3. The tube made of alloy steel with good performance of hardenability.
4. Heavy-duty & accurate mechanism for industrial use.
5. Fashionable looks hold a special attraction.
6. Quick-release button.
7. Each torque wrench has unique series no. and attached of Certification report.
8. Exceed DIN-ISO and ASME international standards requirement.

Application:

Automobile, Heavy Engineering (Wind, Farm, Thermal Power Station, Petrochemicals),
Aeronautics & Military.

SPECIFICATION	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN.LB. & N.M	Graduation TTTT	Length mm	Weight g	Case CTN
	ABM2A-2F01	1/4"	24	30-250 IN-LB	1.0 IN-LB	350	550	
	ABM3A-1F01	3/8"	24	5-45 FT-LB	0.5 FT-LB	413	830	
	ABM4B-1F01	1/2"	24	30-150 FT-LB	1.0 FT-LB	472	1260	
	ABM2A-2N01	1/4"	24	2-26 NM	0.2 NM	350	550	
	ABM3A-1N01	3/8"	24	5-60 NM	0.5 NM	413	830	
	ABM4B-1N01	1/2"	24	40-210 NM	1.0 NM	472	1260	
	Supplied Mat Finished For Option							
	ABM2A-2FN01	1/4"	24	30-250 IN-LB/4.5-29.8 NM	1.0 IN-LB	350	550	
	ABM3A-1FN01	3/8"	24	5-45 FT-LB/10.2-64.6 NM	0.5 FT-LB	413	830	
	ABM4B-1FN01	1/2"	24	30-150 FT-LB/47.4-210.6 NM	1.0 FT-LB	472	1260	
	ABM2A-2NF01	1/4"	24	2-26 NM/26.6-239 IN-LB	0.2 NM	350	550	
	ABM3A-1NF01	3/8"	24	5-60 NM/5.5-46.2 FT-LB	0.5 NM	413	830	
	ABM4B-1NF01	1/2"	24	40-210 NM/33.2-158.6 FT-LB	1.0 NM	472	1260	





W03 Window 24 Teeth

Feature:

- 1. Accuracy CW $\pm 4\%$
- 2. Easily adjustment, endurable HANDLE LOCKING mechanism, pull down handle to unlock and pull up to lock that prevent any accidental adjust when operating.
- 3. Convex lens for micro torque values selection.
- 4. Clear and large window for torque setting.
- 5. ABS handle.
- 6. Meet DIN-ISO and ASME international standards requirement.

Application:

Automobile, Boat, Motorcycle, Bicycle

SPECIFICATION	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN. LB. & N.M	Graduation TTTT	Length mm	Weight g	Case CTN
	W2A-2N03	1/4"	36	4-20 NM	0.1 NM	374	832	25
	W3A-2N03	3/8"	36	20-100 NM	0.5 NM	478	1020	12
	W4B-1N03	1/2"	24	40-210 NM	1.0 NM	562	1375	12
	W4A-2N03	1/2"	24	60-360 NM	0.5 NM	478	1030	12



MI01 Slipping 48 Teeth

Feature:

- 1. Accuracy CW $\pm 5\%$, CCW $\pm 6\%$
- 2. Slip mechanism which can reducing risk of over tightening.
- 3. Clear "click" sound when required torque value reached.
- 4. Heavy-duty & accurate mechanism for industrial use.
- 5. Exceed DIN-ISO and ASME international standards requirement.

Application:

Automobile, Boat, Motorcycle, Bicycle



SPECIFICATION	Standard							
	Item No.	Size inch	Teeth T	Torque Range IN. LB. & N.M	Graduation TTTT	Length mm	Weight g	Case CTN
	MI2A-1N01	1/4"	48	1-6 NM	0.05 NM	284	600	30
	MI3B-2N01	3/8"	48	3-15NM	0.10 NM	284	602	30



LR01 Interchangeable

Feature:

1. Accuracy CW $\pm 3\%$, CWW $\pm 5\%$
2. Special design, insert tools shoot automatically when press the button.
3. Low weight and smooth adjusting design for energy saving.
4. The tube made of alloy steel with good performance of hardenability.
5. Heavy-duty & accurate mechanism for industrial use.
6. Fashionable looks hold a special attraction.
7. Each torque wrench has unique series no. and attached of Certification report.
8. Exceed DIN-ISO and ASME international standards requirement.

Application:

Automobile, Heavy Engineering (Wind, Farm, Thermal Power Station, Petrochemicals),
Aeronautics & Military.

S P E C I F I C A T I O N				Standard			
	Item No.	Size <i>inch</i>	Torque Range <i>IN. LB. & N.M</i>	Graduation <i>TTTT</i>	Length <i>mm</i>	Weight <i>g</i>	Case <i>CTN</i>
	LR2B-1F01	9*12	20-100 IN-LB	1.0 IN-LB	275	441	25
	LR2A-2F01	9*12	40-200 IN-LB	1.0 IN-LB	305	481	25
	LR3A-1F01	9*12	15-100 FT-LB	0.5 FT-LB	412	850	16
	LR3A-2F01	14*18	15-100 FT-LB	0.5 FT-LB	425	910	16
	LR4B-1F01	14*18	20-150 FT-LB	1.0 FT-LB	480	1160	9
	LR4A-2F01	14*18	30-250 FT-LB	1.0 FT-LB	533	1260	9
	LR2B-1N01	9*12	2-10 NM	0.1 NM	275	441	25
	LR2A-2N01	9*12	4-20 NM	0.1 NM	305	481	25
S P E C I F I C A T I O N	LR3B-2N01	9*12	10-60 NM	0.5 NM	315	502	25
	LR3A-1N01	9*12	20-100 NM	0.5 NM	412	850	16
	LR3A-2N01	14*18	20-100 NM	0.5 NM	425	910	16
	LR4B-1N01	14*18	40-200 NM	1.0 NM	480	1160	9
	LR4A-2N01	14*18	60-340 NM	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
	LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16
	LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	441	25
	LR2A-2NF01	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	481	25
	LR3B-2NF01	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	502	25
	LR3A-1NF01	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	850	16
	LR3A-2NF01	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	910	16
	LR4B-1NF01	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1160	9
	LR4A-2NF01	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1260	9
				Supplied Mat Finished For Option			
	LR2A-2FN01	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	481	25
	LR3A-1FN01	9*12	15-100 FT-LB/23.7-139 NM	0.5 FT-LB	412	850	16
LR3A-2FN01	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	910	16	
LR4B-1FN01	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1160	9	
LR4A-2FN01	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1260	9	
S P E C I F I C A T I O N	LR2B-1NF01	9*12	2				



LR02 Interchangeable

Feature:

1. Accuracy CW $\pm 3\%$, CWW $\pm 5\%$
2. Special design, insert tools shoot automatically when press the button.
3. Low weight and smooth adjusting design for energy saving.
4. The tube made of alloy steel with good performance of hardenability.
5. Heavy-duty & accurate mechanism for industrial use.
6. Fashionable looks hold a special attraction.
7. Each torque wrench has unique series no. and attached of Certification report.
8. Exceed DIN-ISO and ASME international standards requirement.
9. TPR handle.

Application:

Automobile, Heavy Engineering (Wind, Farm, Thermal Power Station, Petrochemicals),
Aeronautics & Military.

S P E C I F I C A T I O N	Standard						
	Item No.	Size <i>inch</i>	Torque Range <i>IN. LB. & N.M</i>	Graduation <i>TTTTT</i>	Length <i>mm</i>	Weight <i>g</i>	Case <i>CTN</i>
	LR2B-1F02	9*12	20-100 IN-LB	1.0 IN-LB	275	427	25
	LR2A-2F02	9*12	40-200 IN-LB	1.0 IN-LB	305	472	25
	LR3A-1F02	9*12	15-100 FT-LB	0.5 FT-LB	412	829	16
	LR3A-2F02	14*18	15-100 FT-LB	0.5 FT-LB	425	890	16
	LR4B-1F02	14*18	20-150 FT-LB	1.0 FT-LB	480	1147	9
	LR4A-2F02	14*18	30-250 FT-LB	1.0 FT-LB	533	1240	9
	LR2B-1N02	9*12	2-10 NM	0.1 NM	275	427	25
	LR2A-2N02	9*12	4-20 NM	0.1 NM	305	472	25
S P E C I F I C A T I O N	LR3B-2N02	9*12	10-60 NM	0.5 NM	315	490	25
	LR3A-1N02	9*12	20-100 NM	0.5 NM	412	830	16
	LR3A-2N02	14*18	20-100 NM	0.5 NM	425	890	16
	LR4B-1N02	14*18	40-200 NM	1.0 NM	480	1147	9
	LR4A-2N02	14*18	60-340 NM	2.0 NM	533	1240	9
	Supplied Mat Finished For Option						
	LR2A-2FN02	9*12	40-200 IN-LB/5.1-23.2 NM	1.0 IN-LB	305	472	25
	LR3A-1FN02	9*12	15-100 FT-LB/23.7-139NM	0.5 FT-LB	412	830	16
	LR3A-2FN02	14*18	15-100 FT-LB/23.7-139NM	0.5 FT-LB	425	890	16
	LR4B-1FN02	14*18	20-150 FT-LB/33.9-210.2 NM	1.0 FT-LB	480	1147	9
S P E C I F I C A T I O N	LR4A-2FN02	14*18	30-250 FT-LB/47.5-345.8 NM	1.0 FT-LB	533	1240	9
	LR2B-1NF02	9*12	2-10 NM/22-93 IN-LB	0.1 NM	275	427	25
	LR2A-2NF02	9*12	4-20 NM/40-181 IN-LB	0.1 NM	305	472	25
	LR3B-2NF02	9*12	10-60 NM/9.2-46.1 FT-LB	0.5 NM	315	490	25
	LR3A-1NF02	9*12	20-100 NM/16.6-75.6 FT-LB	0.5 NM	412	830	16
	LR3A-2NF02	14*18	20-100 NM/16.6-75.6 FT-LB	0.5 NM	425	890	16
	LR4B-1NF02	14*18	40-200 NM/33.2-151.2 FT-LB	1.0 NM	480	1147	9
	LR4A-2NF02	14*18	60-340 NM/51.6-258.1 FT-LB	2.0 NM	533	1240	9



LRS01 SET



Content:



1. OPEN END WRENCH 8, 10, 13, 14, 17, 19 mm
2. Case 6 CTN

SPECIFICATION	Item No.	Size inch	DR.	Torque Range IN. LB. & N.M	Weight g
	LRS2B-1F01	9*12	1/4"	20-100 IN-LB	1348
	LRS2A-2F01	9*12	1/4"	40-200 IN-LB	1388
	LRS3B-1F01	9*12	3/8"	40-200 IN-LB	1388
	LRS2B-1N01	9*12	1/4"	2-10 NM	1348
	LRS2A-2N01	9*12	1/4"	4-20 NM	1388
	LRS3B-1N01	9*12	3/8"	4-20 NM	1388
	LRS3B-2N01	9*12	3/8"	10-60NM	1388
	LRS2A-2FN01	9*12	1/4"	40-200 IN-LB/5.1-23.2 NM	1388
	LRS3B-1FN01	9*12	3/8"	40-200 IN-LB/5.1-23.2 NM	1388
	LRS2B-1NF01	9*12	1/4"	2-10 NM/22-93 IN-LB	1388
	LRS2A-2NF01	9*12	1/4"	4-20 NM/40-181 IN-LB	1388
	LRS3B-1NF01	9*12	3/8"	4-20 NM/40-181 IN-LB	1388
	LRS3B-2NF01	9*12	3/8"	10-60NM/9.2-46.1 FT-LB	1388



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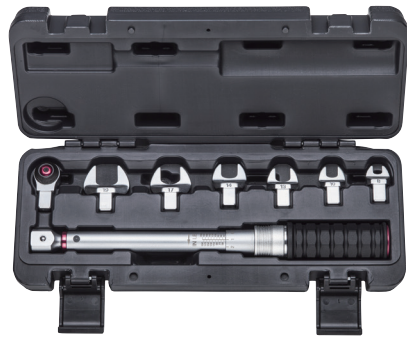


1. Open End Wrench 13, 14, 15, 17, 19, 22 , 24, 27, 30 mm
2. Case 4 CTN

SPECIFICATION	Item No.	Size inch	DR.	Torque Range IN. LB. & N.M	Weight g
	LRS3A-2F01	14*18	3/8"	15-100 FT-LB	3610
	LRS4B-1F01	14*18	1/2"	20-150 FT-LB	3860
	LRS4A-2F01	14*18	1/2"	30-250 FT-LB	3960
	LRS3A-2N01	14*18	3/8"	20-100 NM	3610
	LRS4B-1N01	14*18	1/2"	40-200 NM	3860
	LRS4A-2N01	14*18	1/2"	60-340 NM	3960
	LRS3A-2FN01	14*18	3/8"	15-100 FT-LB/23.7-139 NM	3610
	LRS4B-1FN01	14*18	1/2"	20-150 FT-LB/33.9-210.2 NM	3860
	LRS4A-2FN01	14*18	1/2"	30-250 FT-LB/47.5-345.8 NM	3960
	LRS3A-2NF01	14*18	3/8"	20-100 NM/16.6-75.6 FT-LB	3610
	LRS4B-1NF01	14*18	1/2"	40-200 NM/33.2-151.2 FT-LB	3860
	LRS4A-2NF01	14*18	1/2"	60-340 NM/51.6-258.1 FT-LB	3960



LRS02 SET



Content:



1. OPEN END WRENCH 8, 10, 13, 14, 17, 19 mm
2. Case 6 CTN

SPECIFICATION	Item No.	Size inch	DR.	Torque Range IN. LB. & N.M	Weight g
	LRS2B-1F02	9*12	1/4"	20-100 IN-LB	1335
	LRS2A-2F02	9*12	1/4"	40-200 IN-LB	1380
	LRS3B-1F02	9*12	3/8"	40-200 IN-LB	1380
	LRS2B-1N02	9*12	1/4"	2-10 NM	1335
	LRS2A-2N02	9*12	1/4"	4-20 NM	1380
	LRS3B-1N02	9*12	3/8"	4-20 NM	1380
	LRS3B-2N02	9*12	3/8"	10-60NM	1380
	LRS2A-2FN02	9*12	1/4"	40-200 IN-LB/5.1-23.2 NM	1380
	LRS3B-1FN02	9*12	3/8"	40-200 IN-LB/5.1-23.2 NM	1380
	LRS2B-1NF02	9*12	1/4"	2-10 NM/22-93 IN-LB	1335
	LRS2A-2NF02	9*12	1/4"	4-20 NM/40-181 IN-LB	1380
	LRS3B-1NF02	9*12	3/8"	4-20 NM/40-181 IN-LB	1380
	LRS3B-2NF02	9*12	3/8"	10-60NM/9.2-46.1 FT-LB	1380



Content:



1. Open End Wrench 13, 14, 15, 17, 19, 22 , 24, 27, 30 mm
2. Case 4 CTN

SPECIFICATION	Item No.	Size inch	DR.	Torque Range IN. LB. & N.M	Weight g
	LRS3A-2F02	14*18	3/8"	15-100 FT-LB	3590
	LRS4B-1F02	14*18	1/2"	20-150 FT-LB	3847
	LRS4A-2F02	14*18	1/2"	30-250 FT-LB	3940
	LRS3A-2N02	14*18	3/8"	20-100 NM	3590
	LRS4B-1N02	14*18	1/2"	40-200 NM	3847
	LRS4A-2N02	14*18	1/2"	60-340 NM	3940
	LRS3A-2FN02	14*18	3/8"	15-100 FT-LB/23.7-139 NM	3590
	LRS4B-1FN02	14*18	1/2"	20-150 FT-LB/33.9-210.2 NM	3847
	LRS4A-2FN02	14*18	1/2"	30-250 FT-LB/47.5-345.8 NM	3940
	LRS3A-2NF02	14*18	3/8"	20-100 NM/16.6-75.6 FT-LB	3590
	LRS4B-1NF02	14*18	1/2"	40-200 NM/33.2-151.2 FT-LB	3847
	LRS4A-2NF02	14*18	1/2"	60-340 NM/51.6-258.1 FT-LB	3940



TORQUE WRENCH

GM Traditional 24 Teeth

Feature:

- 1. Accuracy CW ±4%
- 2. Reversible CR-MO ratchet head.
- 3. Corrosion-Resistant Chrome Plated Finish.
- 4. Clear engraved scales and comfortable Knurled handle.
- 5. Meet DIN-ISO and ASME international standards requirement.

Application:

Automobile, Boat, Motorcycle, Bicycle



SPECIFICATION					Standard			
	Item No.	Size <i>inch</i>	Teeth <i>T</i>	Torque Range <i>IN. LB. & N.M</i>	Graduation <i>TTTTT</i>	Length <i>mm</i>	Weight <i>g</i>	Case <i>CTN</i>
	GM2A-INK	1/4"	24	5-25 NM / 51-255 KGF.CM	0.2 NM	272	574	25
	GM3A-INK	3/8"	24	19-110 NM / 1.9-11.2 KGF.M	1.0 NM	312	822	25
	GM4B-INK	1/2"	24	42-210 NM / 4.3-21.4 KGF.M	1.0 NM	375	843	25
	GM4A-INK	1/2"	24	70-350 NM / 7-35 KGF.M	3.5 NM	572	1600	12
	GM6A-INK	3/4"	24	140-980 NM / 10.3-72.3 KGF.M	7.0 NM	1070	6890	4



TORQUE SCREWDRIVER

TBB Screwdriver

Feature:

- 1.Accuracy CW ±5%
- 2.Mechanistic design, you can felt slip or rotary when required torque reached.
- 3.TPR handle.
- 4.Each torque wrench has unique series no. and attached of Certification report.
- 5.Exceed DIN-ISO and ASME international standards requirement.

Application:

Automobile, Motor, Electric Equipment, Household

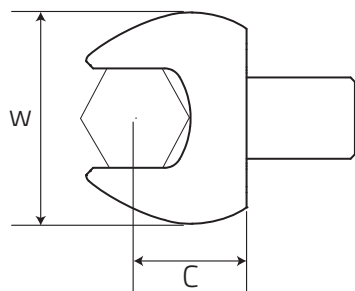


SPECIFICATION	Standard						
	Item No.	Size mm	Torque Range IN.LB. & N.M	Graduation TTTTT	Length mm	Weight g	Case CTN
	TBB02F	6.35	10-50 IN-LB	1.0 IN-LB	195	507	30
	TBB02N	6.35	1-6 NM	0.1NM	195	507	30



F1

Open-End Insert Tools

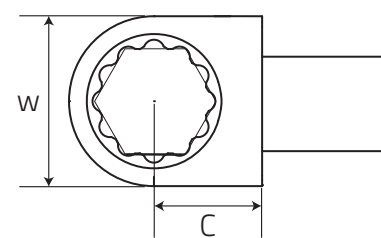


SPECIFICATION	Item No.	mm	Size mm/inch	C mm	W mm	Weight g
	F1AA07M	9*12	7mm	17.5	20.8	37.0
	F1AA08M	9*12	8mm	17.5	22.0	37.0
	F1AA09M	9*12	9mm	17.5	23.7	37.2
	F1AA10M	9*12	10mm	17.5	24.7	40.0
	F1AA11M	9*12	11mm	17.5	26.1	42.0
	F1AA12M	9*12	12mm	17.5	27.3	42.3
	F1AA13M	9*12	13mm	17.5	28.8	43.0
	F1AA14M	9*12	14mm	20.0	31.7	54.4
	F1AA15M	9*12	15mm	20.0	33.7	55.5
	F1AA16M	9*12	16mm	20.0	35.6	58.5
	F1AA17M	9*12	17mm	20.0	37.8	58.5
	F1AA18M	9*12	18mm	20.0	38.7	61.0
	F1AA19M	9*12	19mm	20.0	41.5	64.2
	F1AA21M	9*12	21mm	25.0	46.0	21.5
	F1AA22M	9*12	22mm	25.0	46.0	21.5
	F1AA24M	9*12	24mm	25.0	50.6	21.5
	F1AA27M	9*12	27mm	32.5	60.0	21.5
	F1AA29M	9*12	29mm	32.5	61.0	22.0
	F1AA30M	9*12	30mm	32.5	64.2	22.0
	F1AA32M	9*12	32mm	32.5	66.1	22.0
	F1AA36M	9*12	36mm	32.5	67.6	22.0
	F1BA13M	14*18	13mm	25.0	29.6	114.7
	F1BA14M	14*18	14mm	25.0	31.3	116.4
	F1BA15M	14*18	15mm	25.0	33.8	116.2
	F1BA16M	14*18	16mm	25.0	36.3	129.5
	F1BA17M	14*18	17mm	25.0	37.5	136.8
	F1BA18M	14*18	18mm	25.0	39.0	136.2
	F1BA19M	14*18	19mm	25.0	41.1	137.5
	F1BA21M	14*18	21mm	25.0	45.5	160.1
	F1BA22M	14*18	22mm	25.0	47.7	162.8
	F1BA24M	14*18	24mm	25.0	50.7	167.8
	F1BA27M	14*18	27mm	32.5	59.5	229.4
	F1BA30M	14*18	30mm	32.5	63.4	237.0
	F1BA32M	14*18	32mm	32.5	65.8	248.2
	F1BA34M	14*18	34mm	32.5	66.7	252.5
	F1BA36M	14*18	36mm	32.5	68.0	244.8
	F1BA38M	14*18	38mm	32.5	67.5	230.0
	F1BA40M	14*18	40mm	37.0	83.1	321.5
	F1BA41M	14*18	41mm	37.0	83.1	321.5
	F1AA0104M	9*12	1/4"	17.5	20.8	37.0
	F1AA0516M	9*12	5/16"	17.5	22.0	37.0
	F1AA0308M	9*12	3/8"	17.5	24.7	40.0
	F1AA0716M	9*12	7/16"	17.5	26.1	42.0
	F1AA0102M	9*12	1/2"	17.5	28.8	43.0
	F1AA0916M	9*12	9/16"	20.0	31.7	54.4
	F1AA0508M	9*12	5/8"	20.0	35.6	58.5
	F1AA1116M	9*12	11/16"	20.0	38.7	61.0
	F1AA0304M	9*12	3/4"	20.0	41.5	64.2
	F1BA0102M	14*18	1/2"	25.0	29.6	114.6
	F1BA0916M	14*18	9/16"	25.0	31.3	116.4
	F1BA0508M	14*18	5/8"	25.0	36.3	129.5
	F1BA1116M	14*18	11/16"	25.0	39.0	136.2
	F1BA0304M	14*18	3/4"	25.0	41.1	137.5
	F1BA1316M	14*18	13/16"	25.0	45.5	160.1
	F1BA0708M	14*18	7/8"	25.0	47.7	162.8
	F1BA1516M	14*18	15/16"	25.0	50.7	167.8
	F1BA0100M	14*18	1"	32.5	59.5	229.4



F1

Ring Insert Tools



SPECIFICATION	Item No.	mm	Size mm/inch	C mm	W mm	Weight g
	F1AB07M	9*12	7mm	17.5	20.0	37.4
	F1AB08M	9*12	8mm	17.5	20.0	37.0
	F1AB10M	9*12	10mm	17.5	20.0	39.5
	F1AB11M	9*12	11mm	17.5	20.4	42.0
	F1AB12M	9*12	12mm	17.5	22.3	51.1
	F1AB13M	9*12	13mm	17.5	22.3	51.3
	F1AB14M	9*12	14mm	17.5	23.5	52.9
	F1AB15M	9*12	15mm	17.5	24.6	53.5
	F1AB16M	9*12	16mm	17.5	26.5	56.2
	F1AB17M	9*12	17mm	17.5	27.5	55.3
	F1AB18M	9*12	18mm	17.5	28.8	60.0
	F1AB19M	9*12	19mm	17.5	31.2	53.4
	F1AB21M	9*12	21mm	17.5	33.2	58.2
	F1AB22M	9*12	22mm	17.5	35.2	70.6
	F1BB13M	14*18	13mm	25.0	30.0	129.6
	F1BB14M	14*18	14mm	25.0	30.0	132.1
	F1BB15M	14*18	15mm	25.0	30.0	132.1
	F1BB16M	14*18	16mm	25.0	30.0	137.0
	F1BB17M	14*18	17mm	25.0	30.0	141.0
	F1BB18M	14*18	18mm	25.0	30.0	132.5
	F1BB19M	14*18	19mm	25.0	31.3	144.6
	F1BB21M	14*18	21mm	25.0	33.7	151.5
	F1BB22M	14*18	22mm	25.0	35.4	153.5
	F1BB24M	14*18	24mm	25.0	37.8	161.9
	F1BB27M	14*18	27mm	31.0	41.6	204.9
	F1BB30M	14*18	30mm	31.0	45.1	204.1
	F1BB32M	14*18	32mm	31.0	47.7	213.8
	F1BB34M	14*18	34mm	31.0	51.0	225.5
	F1BB36M	14*18	36mm	31.0	53.5	230.0
	F1BB41M	14*18	41mm	31.0	59.7	222.0
	F1AB0104M	9*12	1/4"	17.5	20.0	37.4
	F1AB0516M	9*12	5/16"	17.5	20.0	37.0
	F1AB0308M	9*12	3/8"	17.5	20.0	39.5
	F1AB0716M	9*12	7/16"	17.5	20.4	42.0
	F1AB0102M	9*12	1/2"	17.5	22.3	51.3
	F1AB0916M	9*12	9/16"	17.5	23.5	52.9
	F1AB0508M	9*12	5/8"	17.5	26.5	56.2
	F1AB1116M	9*12	11/16"	17.5	28.8	60.0
	F1AB0304M	9*12	3/4"	17.5	31.2	53.4
	F1AB1316M	9*12	13/16"	17.5	33.2	58.2
	F1AB0708M	9*12	7/8"	17.5	35.2	70.6
	F1BB0102M	14*18	1/2"	25.0	30.0	129.6
	F1BB0916M	14*18	9/16"	25.0	30.0	132.1
	F1BB0508M	14*18	5/8"	25.0	30.0	137.0
	F1BB1116M	14*18	11/16"	25.0	30.0	132.5
	F1BB0304M	14*18	3/4"	25.0	31.3	144.6
	F1BB1316M	14*18	13/16"	25.0	33.7	151.5
	F1BB0708M	14*18	7/8"	25.0	35.4	153.5
	F1BB1516M	14*18	15/16"	25.0	37.8	161.9
	F1BB0100M	14*18	1"	31	41.6	204.9

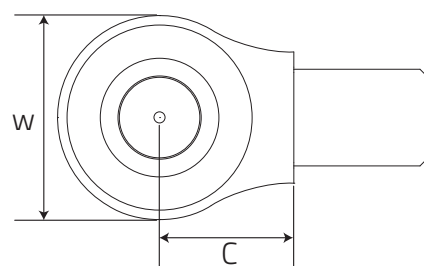


F1

Ratchet Insert Tools



SPECIFICATION	Item No.	 mm	Size inch	C mm	W mm	Weight g
	F1AD0201M	9*12	1/4" DR.	17.5	24.7	70.0
	F1AD0301M	9*12	3/8" DR.	17.5	30.5	100.0
	F1AD0401M	9*12	1/2" DR.	25.0	37.9	225.5
	F1BD0301M	14*18	3/8" DR.	25.0	37.9	241.0
	F1BD0401M	14*18	1/2" DR.	25.0	37.9	258.5
	F1BD0601M	14*18	3/4" DR.	25.0	41.0	338.0

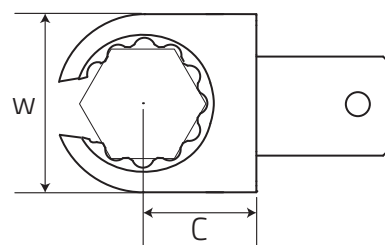


F1

Open-Ring Insert Tools



SPECIFICATION	Item No.	 mm	Size mm	C mm	W mm	Weight g
	F1AC10M	9*12	10mm	17.5	23.0	52.4
	F1AC11M	9*12	11mm	17.5	23.9	52.5
	F1AC12M	9*12	12mm	17.5	24.5	54.0
	F1AC13M	9*12	13mm	17.5	25.2	52.5
	F1AC14M	9*12	14mm	17.5	27.2	57.5
	F1AC16M	9*12	16mm	17.5	30.2	57.5
	F1AC17M	9*12	17mm	17.5	30.5	59.0
	F1AC18M	9*12	18mm	17.5	30.2	61.0
	F1AC19M	9*12	19mm	17.5	34.5	67.5
	F1AC21M	9*12	21mm	17.5	38.0	71.5
	F1AC22M	9*12	22mm	17.5	39.5	75.5

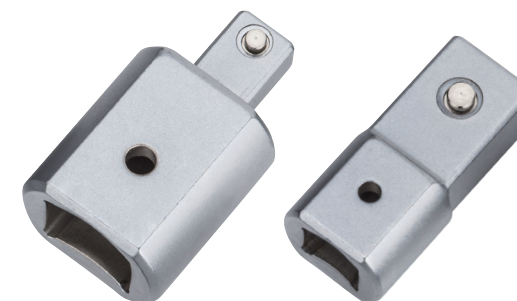


INSERT TOOLS



F1

Joint Insert Tools



SPECIFICATION	Item No.	 mm	Weight g
	F1AE01M	9*12 -> 14*18	115.0
	F1BE01M	14*18 -> 9*12	82.0

1. CR-V steel
2. Corrosion-Resistant Chrome Plated Finish

BOLT LEVEL

SPECIFICATION	NM								
	 M	 mm	4.6	5.8	6.8	8.8	9.8	10.9	12.9
	M1.6	3.2	0.07	0.11	0.14	0.18	0.21	0.26	0.31
	M2	4	0.14	0.24	0.28	0.38	0.42	0.53	0.63
	M2.5	5	0.29	0.48	0.58	0.78	0.87	1.09	1.31
	M3	5.5	0.51	0.8	1.01	1.35	1.52	1.9	2.27
	M4	7	0.95	1.59	1.91	2.54	2.86	3.57	4.29
	M5	8	2.28	3.8	4.56	6.09	6.85	8.56	10.3
	M6	10	3.92	6.54	7.85	10.5	11.8	14.7	17.7
	M8	13	9.48	15.8	19	25.3	28.4	35.5	42.7
	M10	17	19.1	31.8	38.1	50.8	57.2	71.5	85.8
	M12	19	32.6	54.3	65.1	86.9	97.7	122	147
	M14	22	52	86.6	104	139	156	195	234
	M16	24	79.9	133.0	160	213	240	299	359
	M18	27	110	183.0	220	293	330	413	495
	M20	30	156	260	312	416	468	585	702
	M22	32	211	352	422	563	634	792	950
	M24	36	270	449	539	719	809	1011	1213
	M27	41	398	663	795	1060	1193	1491	1789
	M30	46	540	900	1080	1440	1620	2025	2430
	M33	50	734	1223	1467	1956	2201	2751	3301
	M36	55	944	1573	1888	2517	2832	3540	4248
	M39	60	1226	2043	2452	3269	3678	4597	5517
	M42	65	1518	2530	3036	4049	4555	5693	6832
	M45	70	1900	3167	3800	5067	5701	7126	8551
	M48	75	2288	3813	4576	6101	6864	8580	10296
	M52	80	2947	4912	5895	7859	8842	11052	13263
	M56	85	3650	6083	7300	9733	10950	13687	16425
	M60	90	4538	7564	9076	12102	13614	17018	20422
	M64	95	5466	9110	10932	14576	16398	20498	24597
	M68	100	6617	11029	13234	17646	19851	24814	29777

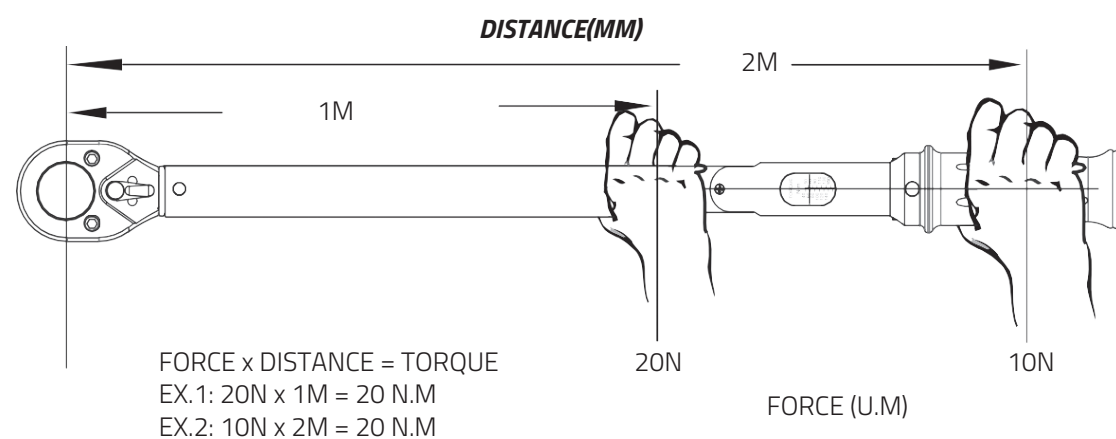


TO CONVERT

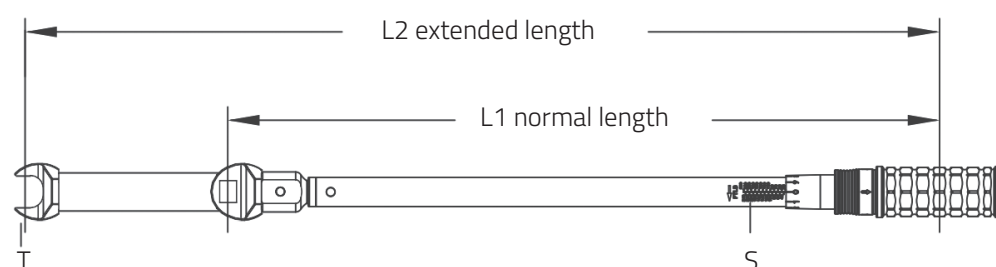
Form	To	Multiply By
in-oz	in-lb	0.0625
in-lb	in-oz	16
in-lb	ft-lb	0.08333
in-lb	kg-cm	1.15212
in-lb	kg-m	0.01152
in-lb	cNm	11.2984
in-lb	Nm	0.11298
ft-lb	in-lb	12
ft-lb	kg-cm	13.8254
ft-lb	kg-m	0.13825
ft-lb	cNm	135.581
ft-lb	Nm	1.35581

Form	To	Multiply By
cNm	in-lb	0.0885
cNm	ft-lb	0.00737
cNm	Nm	0.01
Nm	in-lb	8.85074
Nm	ft-lb	0.73756
Nm	kg-cm	10.19716
Nm	kg-m	0.10197
Nm	cNm	100
kg-cm	in-lb	0.86796
kg-cm	ft-lb	0.07233
kg-cm	Nm	0.09806
kg-m	in-lb	86.7961
kg-m	ft-lb	7.23301
kg-m	Nm	9.80665

FORMULA



EXTENDED LENGTH



L1 normal length
 L2 extended length

T: Desired tightening torque
 S: Setting scale

$$S = \frac{T \times L1}{L2}$$

* Make sure keep hand centered on the handle, to get actual torque.

