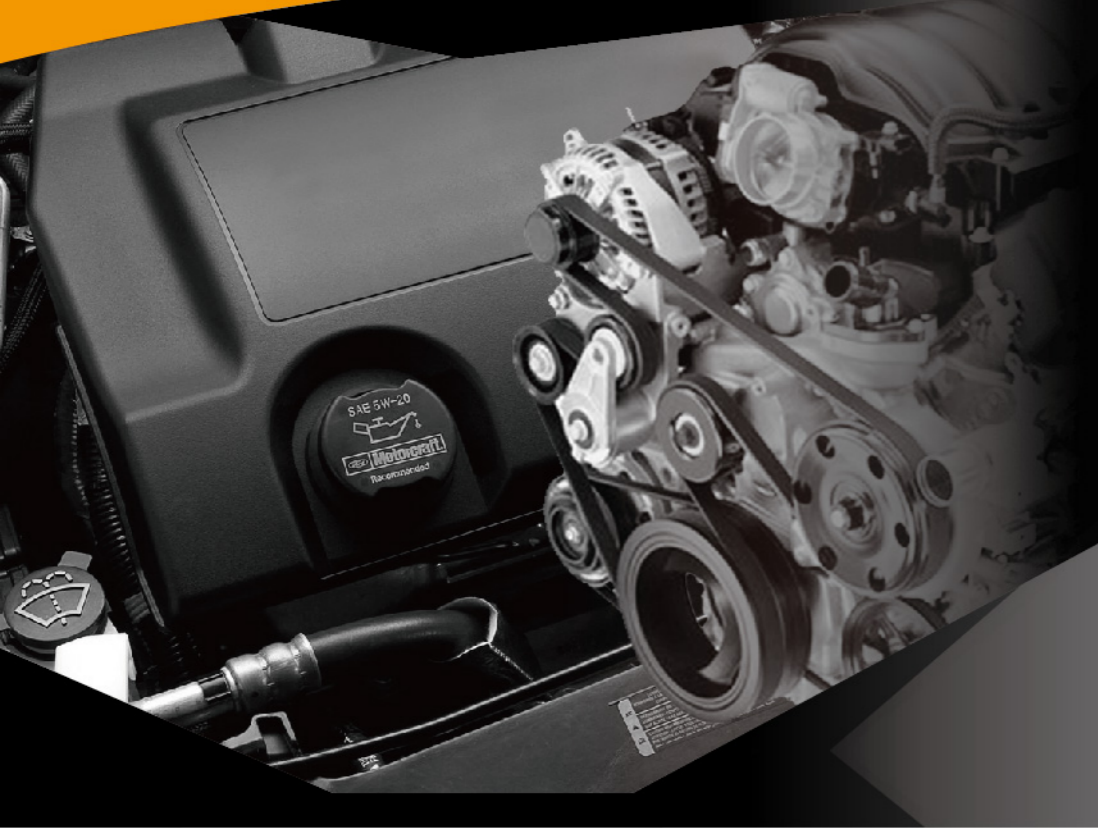




KH 3000[®]

- The perfect combination of fashion and performance -

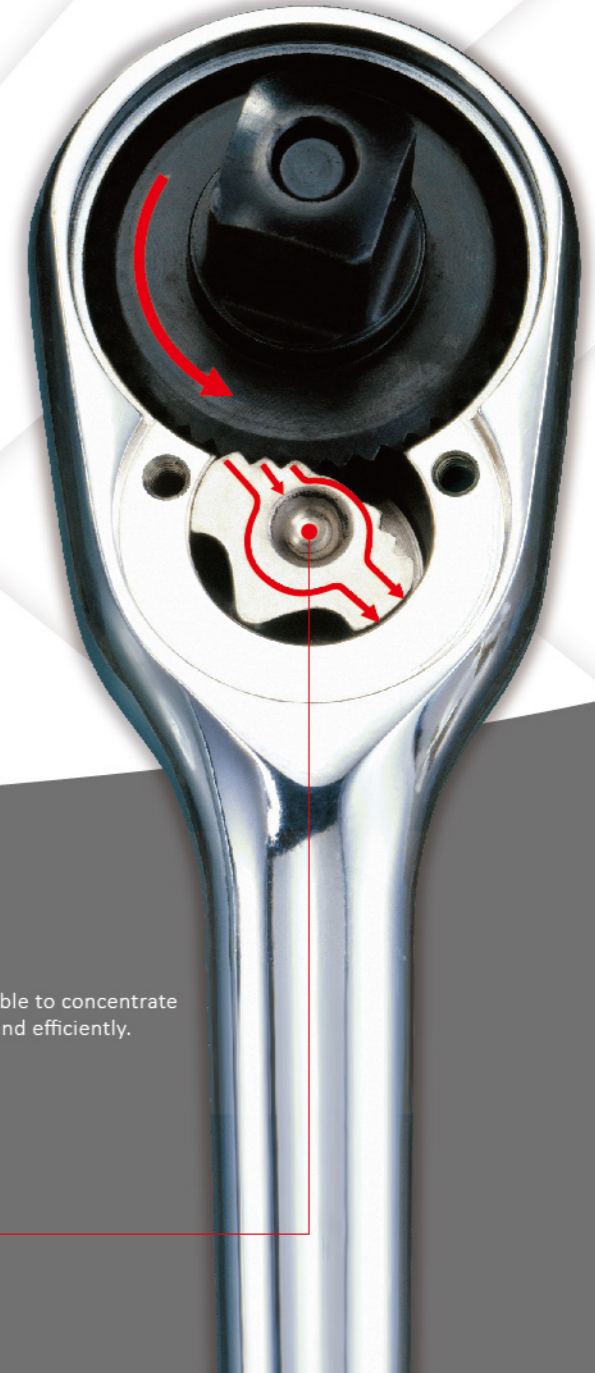
KH3000 Ratchet Torque And Life-Time



KH3000 Ratchet



Normal Type Ratchet



KH3000 Type Pawl

More than 9 Teeth Bite of Gear is technically designed to transfer extreme high torque and extend the Life-Time in use.

Teeth Bite

DR.(mm)	DATA	Normal	KH3000
1/4" (6.3)		3 teeth	9 teeth
3/8" (10)		3 teeth	9 teeth
1/2" (12.5)		3 teeth	11 teeth

Normal Type Pawl

Only 3 teeth bite, unable to concentrate the force powerfully and efficiently.

Design Patent

Germany Nr.

D. PAT. 40 2013 004 813.8

Slim Pear Type Ratchet
KH3000 Ratchet



Gourd Shape Ratchet Head

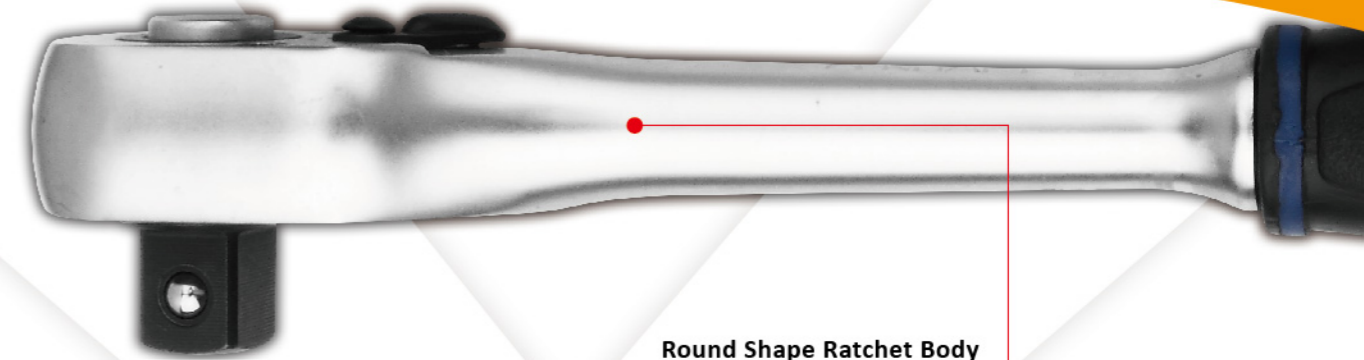
Slim Ratchet Head design is suitable for working in tight and hard-to-accesses area.

Normal Pear Type Ratchet



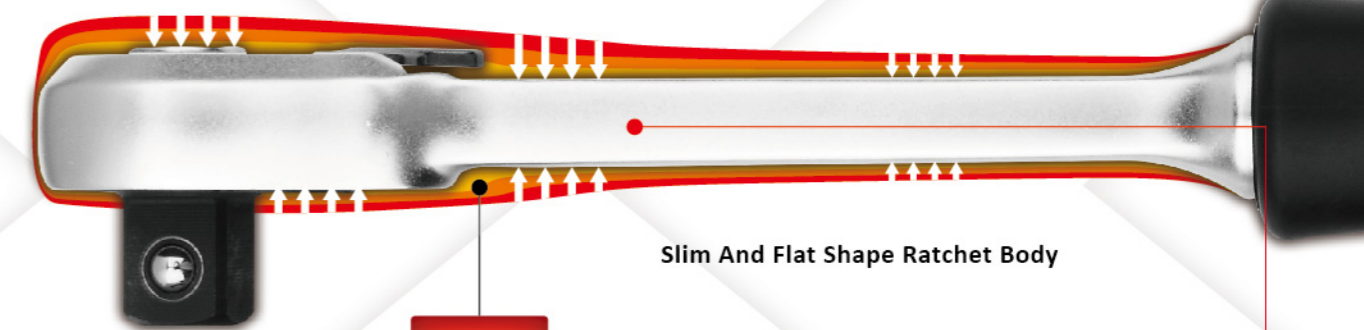
Oval Shape Ratchet Head

Normal Pear Type Ratchet



Round Shape Ratchet Body

Slim Pear Type Ratchet
KH3000 Ratchet



Slim And Flat Shape Ratchet Body

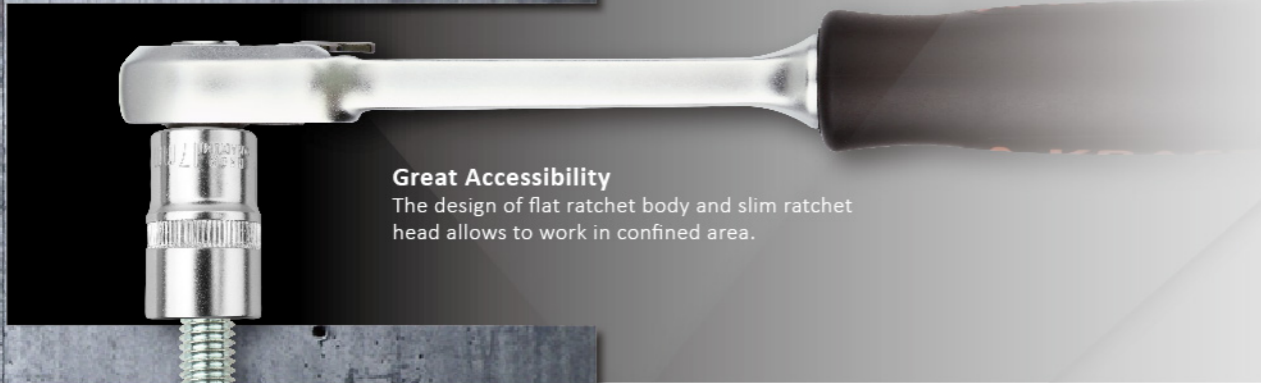
DATA DR.(mm)	Normal	KH3000	weight(%)
1/4" (6.3)	128(g)	89(g)	-30%
3/8" (10)	315(g)	217(g)	-30%
1/2" (12.5)	645(g)	442(g)	-30%

Slim And Flat Shape Ratchet

Slim and Flat shape ratchet with Reinforced Beam structure design reduces the weight and provides high torque transfer with less force application.

Features

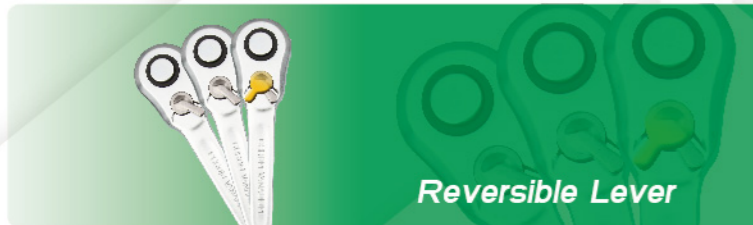
Maintenance And Repair Kits



Great Accessibility
The design of flat ratchet body and slim ratchet head allows to work in confined area.



6 Degree Action Arc



Reversible Lever



Release



ERGONOMIC DESIGN HANDLE

60 Teeth With 6 Degree Action Arc
Provides extreme high torque for professional users.

Reversible Lever Switch
Reversible lever switch is easy to switch the action direction.

Quick Release
Simply push the release button with one thumb at least effort, users can replace sockets quickly and efficiently.

Ergonomic Design Handle
Ratchet handle is designed to facilitate action and provide great confort while in use.

KH3000
The KH3000 permits to disassemble major moving parts for cleaning and replacement, if necessary.



KH3000 Ratchet

Normal Type Ratchet

Ratchet gear

Metal Cover

Screws

Pin

Steel ball and spring

Unchangeable riveted Pawl

Ratchet Gear 60 Teeth

Switch

Steel Cover

Compressed Spring

Clip

Bolt

Pawl

Spring Cap

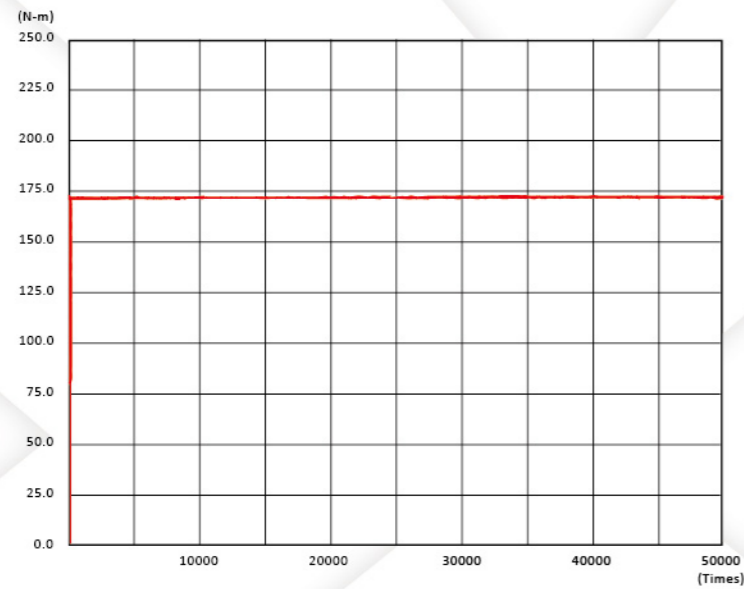
Steel Ball

Life-Time Dynamic Load Tests Report

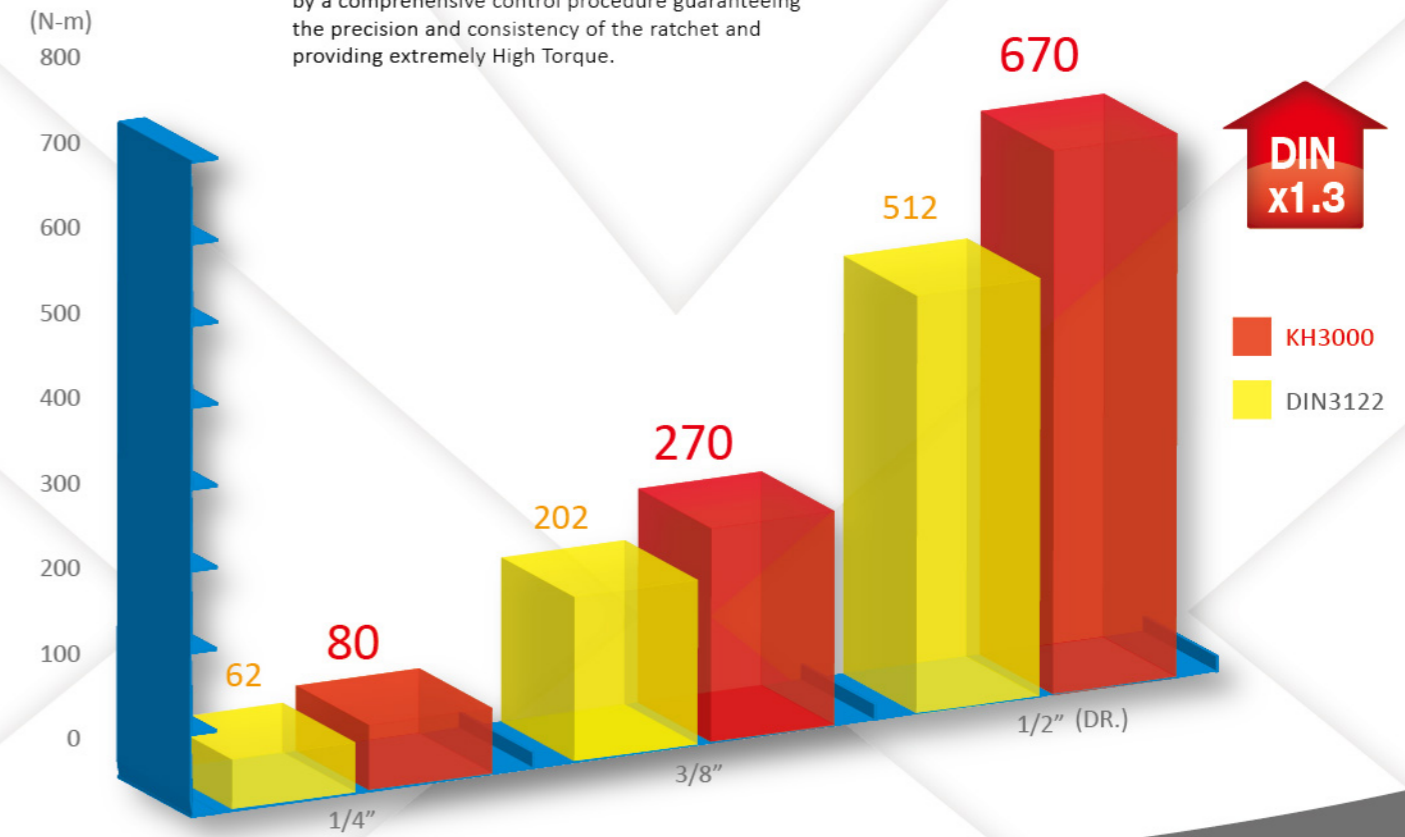
KH3000 Vs DIN Torque Test

1. Manufacturer : A-KRAFT Tools
 2. Speed : 0.3rpm
 3. Torque : 171N-m
 4. Life-Time : 50000 times

5. Test Style : Dynamic Load Test
 6. Standard : DIN3120/3122, ISO 3315:1996(E)
 7. Specimen : A-KRAFT RATCHET 1/2"DR. KH3000
 8. Notice : Life-Time Test



Every KH3000 Ratchet production step is accompanied by a comprehensive control procedure guaranteeing the precision and consistency of the ratchet and providing extremely High Torque.



Test Reports:

DR. (mm)	Conditions	DATA	ISO 3315:1996(E)	KH3000	Performance	Times
1/4" (6.3)	Conditions	DATA	ISO 3315:1996(E)	KH3000	Performance	Times
	Cycle test torque(N-m)		15	21	1.4	50000
3/8" (10)	Conditions	DATA	ISO 3315:1996(E)	KH3000	Performance	Times
	Cycle test torque(N-m)		50	68	1.36	50000
1/2" (12.5)	Conditions	DATA	ISO 3315:1996(E)	KH3000	Performance	Times
	Cycle test torque(N-m)		128	171	1.34	50000

DIN	DIN3122	KH3000	Performance
1/4" (6.3)	62(N-m)	80(N-m)	1.3
3/8" (10)	202(N-m)	270(N-m)	1.3
1/2" (12.5)	512(N-m)	670(N-m)	1.3

One Stop, All Services

You can trust A-Kraft, we Deliver!!



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