



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		
DATA DR.(mm)	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



30%
OFF

Gourd Shape Ratchet Head

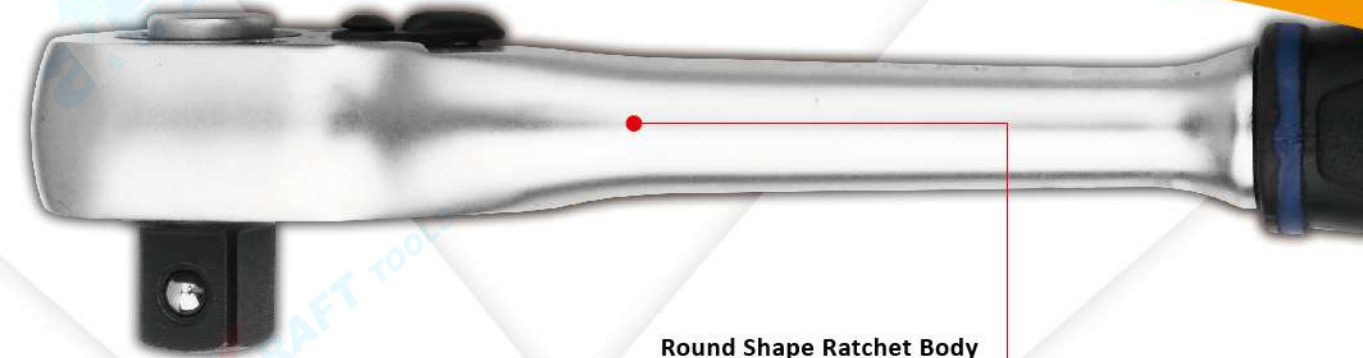
Slim Ratchet Head design is suitable for working in tight and hard-to-accesses area.

Normal Pear Type Ratchet



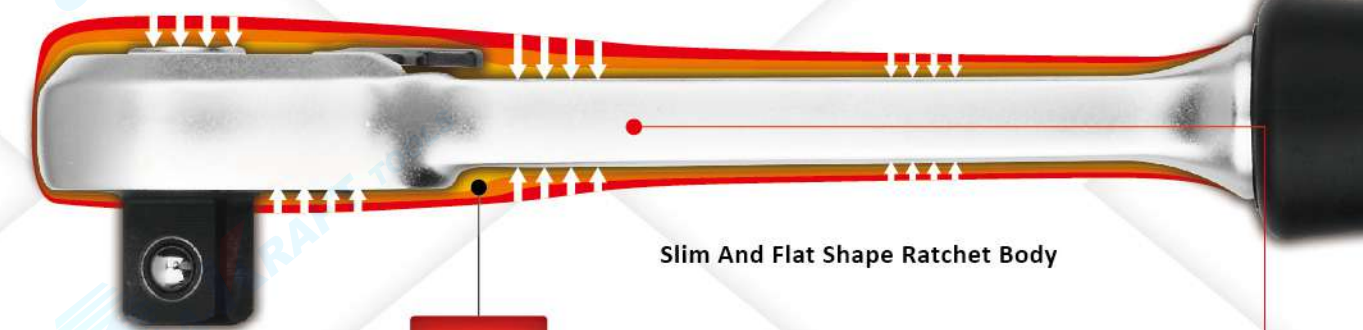
Oval Shape Ratchet Head

Normal Pear Type Ratchet



Round Shape Ratchet Body

Slim Pear Type Ratchet
KH3000 Ratchet



Slim And Flat Shape Ratchet Body

30%
OFF

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 with least effort, users can replace sockets quickly and efficiently.

Ergonomic Design Handle

Ratchet handle is designed to facilitate action and provide great comfort 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

Compressed Spring

Steel Cover

Bolt

Pawl

Steel Ball

Spring Cap

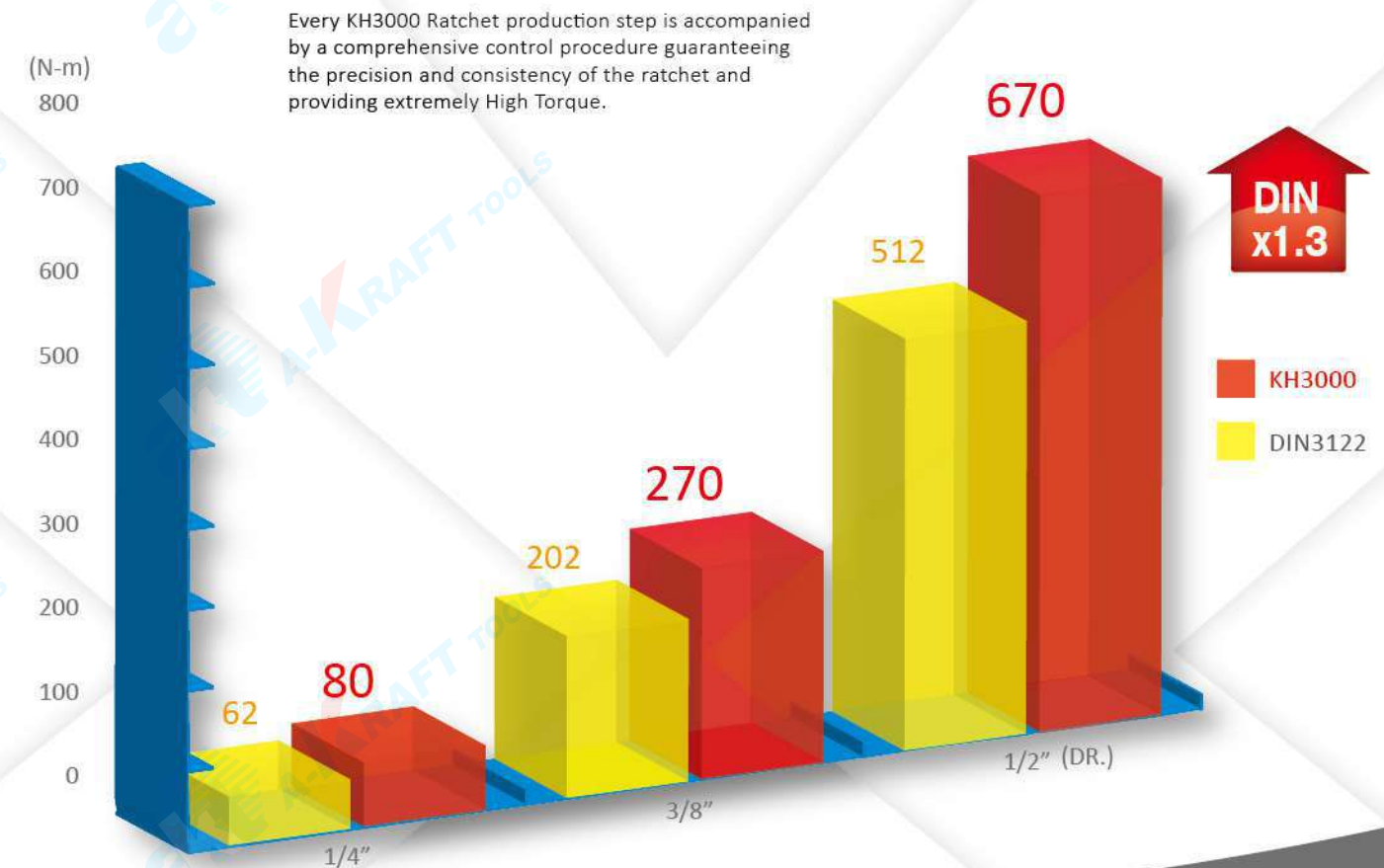
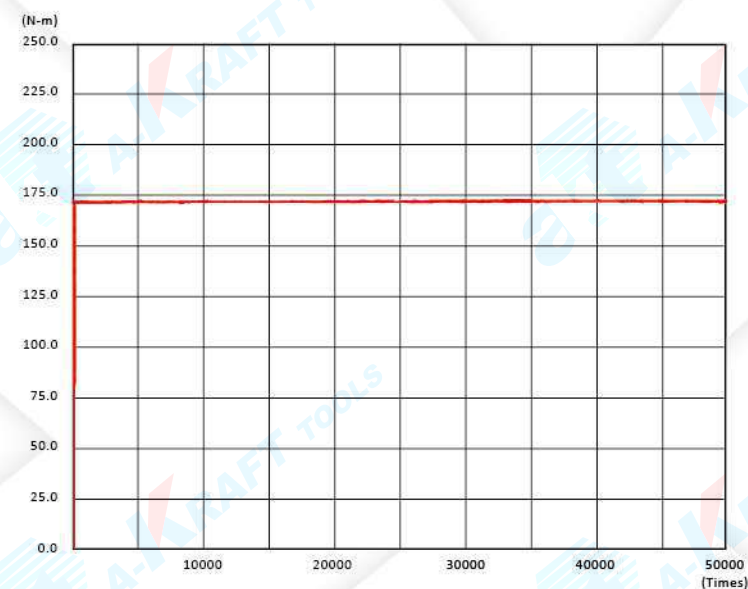
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Life-Time Dynamic Load Tests Report

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



Test Reports:

DR. (mm)	Conditions	DATA	ISO 3315:1996(E)	KH3000	Performance	Times
1/4" (6.3)	Cycle test torque(N-m)		15	21	1.4	50000

DR. (mm)	Conditions	DATA	ISO 3315:1996(E)	KH3000	Performance	Times
3/8" (10)	Cycle test torque(N-m)		50	68	1.36	50000

DR. (mm)	Conditions	DATA	ISO 3315:1996(E)	KH3000	Performance	Times
1/2" (12.5)	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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