



1/4
**BIT
RATCHET**

1/4
**SOCKET
RATCHET**

KH3000S

STUBBY TYPE

RATCHET

Design Patent

Germany Nr.

D. PAT. 40 2013 004 813.8



	Item No.	Type	L (mm)	W (mm)	H (mm)	
	252311	1/4"DR	89.8	19.6	19.9	54
	252312	1/4"HEX	89.8	19.6	11.9	52

Features

Magnetic Holding System

- Prevents the bit from falling off when working, and helps users to change different specs of bits easily and quickly.



Quick Release

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



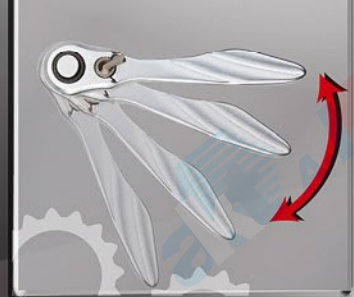
Reversible Lever

- Lever flip design for easy switching the ratchet action direction.



6 Degree Action Arc

- The fine teeth offer a small return angle of only 6° to work in confined spaces.
- With Thumbwheel for rapid spinning.



Ergonomic Design Handle

- New ergonomic-designed handle ensures the handle to be lied comfortably in hand and achieves optimum torque with excellent power transmission.



Maintenance and Repair Kits

KH3000S



Permitting to disassemble major moving parts for cleaning and replacement, if necessary.

KH3000S-B



Excellent Gear Design

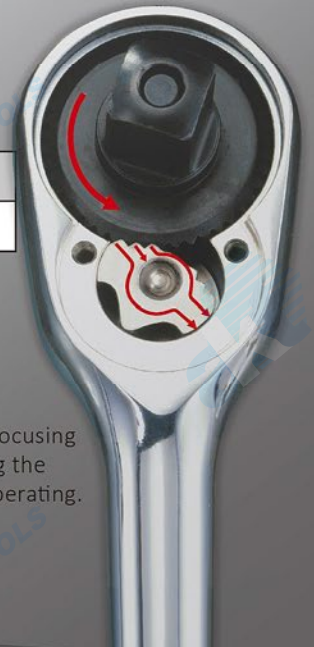
KH3000S



KH3000S Type Pawl

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

Normal Type Ratchet



Teeth Bite

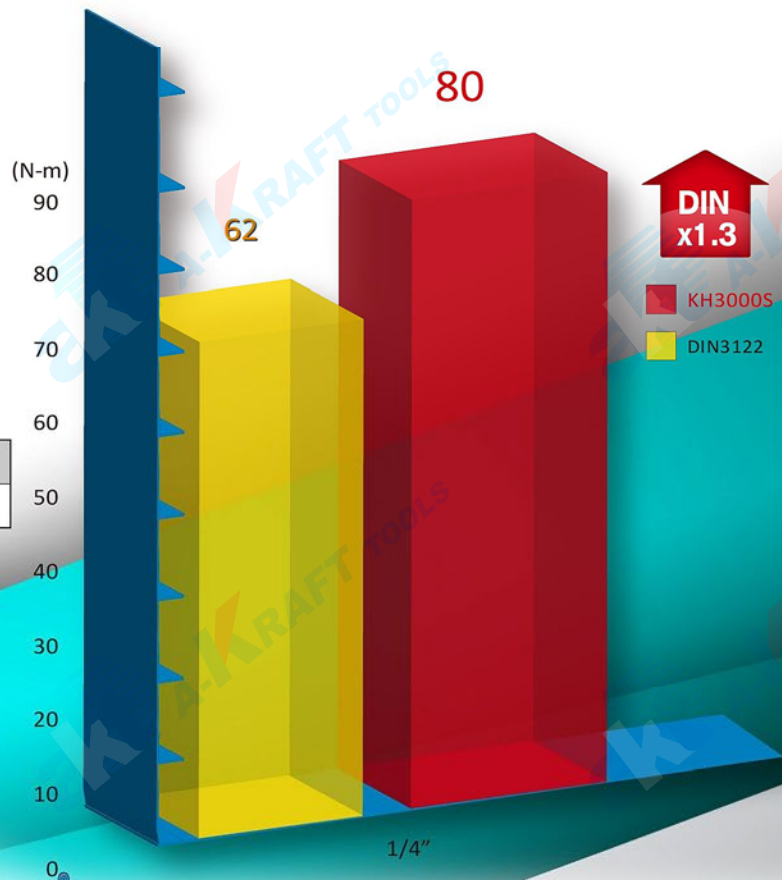
TYPE	KH3000S	Normal
DR.(mm)		
1/4" (6.3)	9 teeth	3 teeth

Normal Type Pawl

Only 3 teeth bite fails in focusing the force and transmitting the power efficiently when operating.

Torque Test

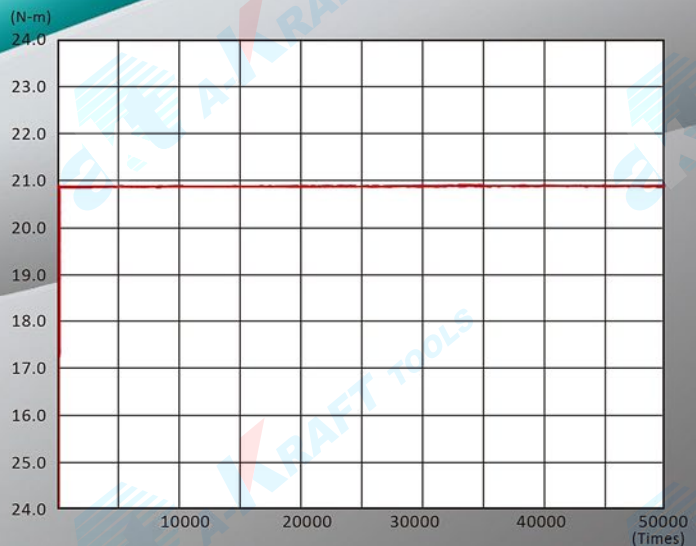
Every KH3000S Ratchet production step is accompanied by a comprehensive control procedure guaranteeing the precision and consistency of the ratchet and providing extremely High Torque.



1/4" DR. & 1/4" HEX	Torque	DIN	KH3000S	Performance
	N-m	62	80	130 %

Life-Time Dynamic Load Test

1. Manufacturer : A-KRAFT Tools
2. Speed : 0.3rpm
3. Torque : 21N-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 1/4"DR.
8. Notice : Life-Time Test



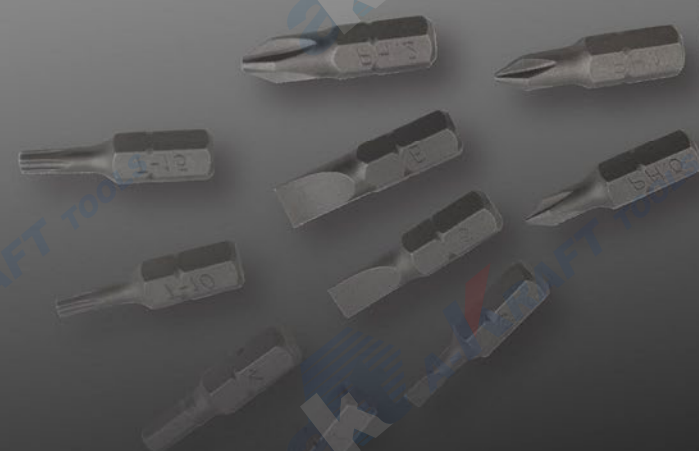
Test Reports:

1/4" DR. & 1/4" HEX	DATA	ISO 3315:1996 (E)	KH3000S	Performance	Times
	Conditions				
	Torque of cycle test (N-m)	15 N-m	21 N-m	130 %	50000
Remark	25% of Torque of DIN	34% of Torque of DIN	Higher than ISO 3315:1996(E)	PASS	



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