



# Pneumatic Tools

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## Safety Guidance

**1. Do not use the tool outside of design and original purpose**  
Any other use is prohibited. Use the tool only for original purpose (sanding and/or grinding) designed by manufacturer.

### 2. Protective Equipment

To protect people, always wear necessary protective equipment such as a helmet, an eye protector, an ear protector, a face shield, gloves, safety shoes and other necessities.



### 3. Maximum Free Speed of the Tool and Attachment

Make sure the allowable speed of attachment not lower than the speed of tool.

### 4. The Table of Wheel Sizes of Abrasive Product and Peripheral Speed

The following table is a reference for Grinding Wheel Size / Peripheral Speed / Maximum Free Speed.

When using abrasive product, on which the peripheral speed is shown instead of the maximum allowable free speed, refer to this table.

Make sure the maximum free speed of Grinding Wheel is equal to or higher than the speed of the tool.

### 5. Wheel Guard and Flanges

Make sure to use correct wheel guard and flanges. When mounting accessories, make sure to tighten with correct torque.

### 6. Matching Attachment with Tool

Ensure that the specifications of attachment match the specifications and capabilities of the tool.

### 7. Mounting and Dismounting Accessories

Disconnect the tool from air supply when mounting or/and dismantling abrasives or/and accessories.

### 8. Tool with Governor

Regularly heck the tool designed with governor. Be sure the tool can run smoothly before use.

Mounted point diameter/Linear velocity/maximum free speed

Grinding Wheel Size	Preipheral Speed (m/s)														
	10	15	20	25	28	30	33	35	40	45	48	50	60	70	80
mm	Maximum Free Speed (rpm)														
25	7639	11459	15279	19099	21390	22918	25210	26738	30558	34337	36669	38197	45837	53476	61115
40	4775	7162	9549	11937	13369	14324	15756	16711	19099	21486	22918	23873	28648	33423	38197
50	3820	5730	7639	9549	10695	11459	12605	13369	15279	17189	18335	19099	22918	26738	30558
63	3032	4547	6063	7579	8488	9095	10004	10610	12126	13642	14551	15158	18189	21221	24252
80	2387	3581	4775	5968	6685	7162	7878	8356	9549	10743	11459	11937	14324	16711	19099
100	1910	2865	3820	4775	5438	5730	6303	6685	7639	8594	9167	9549	11459	13369	15279
115	1661	2491	3321	4152	4650	4982	5480	5813	6643	7473	7972	8304	9964	11625	13286
125	1528	2292	3056	3820	4278	4584	5042	5348	6112	6875	7334	7639	9167	10695	12223
150	1273	1910	2546	3183	3565	3820	4202	4456	5093	5730	6112	6366	7639	8913	10186
180	1061	1592	2122	2653	2971	3183	3501	3714	4244	4775	5093	5305	6366	7427	8488
200	955	1432	1910	2387	2674	2865	3151	3342	3820	4297	4584	4775	5730	6685	7639
230	830	1246	1661	2076	2325	2491	2740	2906	3321	3737	3986	4152	4982	5813	6643
250	764	1146	1528	1910	2139	2292	2521	2674	3056	3438	3667	3820	4584	5348	6112
300	637	955	1273	1592	1783	1910	2101	2228	2546	2865	3056	3183	3820	4456	5093

# HDAG-14 Series

## All in One Grinders

The world's first multi-functional grinder that can effortlessly transform into a collet grinder, a straight grinder, or an angle grinder with a single body.



# 01

### Features:

- By simply exchanging the head, you can use  $\Phi 100$  offset grinding wheels, 65mm flat grinding wheels, 6mm shank mounted points and rotary burrs.
- Designed with a Safety Lock mechanism that works when the head part is mounted into the body part. This design allows the tool under safe operation.
- Powerful motor provides grinding productivity and finish precision







**Before**

Model

Overall Length

Weight

+



Model

Overall Length

Weight

=



Model

Overall Length

Weight



Model

Overall Length

Weight



**HDAG-14-C/BD**



**HDAG-14-S/BD**



**HDAG-14-A/BD**

## Safety Lock Mechanism

The connection between the body and the head part is as simple as aligning the shaft, inserting, and rotating. The Safety Lock mechanism works and ensure safety operation.



Model	Grinding Wheel or Collet Size mm	Free Speed rpm	Output W	Overall length mm	Weight kg	Max Air Consumption m³/min	Inlet Thread inch	Air Hose ID mm	Exhaust
HDAG-14-C/BD	6	14,600	870	378	1.64	1	Rc 3/8	12.7	Front
HDAG-14-S/BD	65x13x9.5	14,600	870	352	1.78	1	Rc 3/8	12.7	Side
HDAG-14-A/BD	100x6x15.8	13,500	920	267	2.10	1	Rc 3/8	12.7	Side

# HDA Series

## Angle Grinders

A new high-power motor with more than 50% increase in output power compared to previous models



02

Sun Ken



HDA-50-1



HDA-100-1



HDA-100M-1



HDA-125-1



HDA-180

### Angle Grinders (Front Exhaust Models)

Air Pressure 0.63MPa

Model	Grinding Wheel mm	Free Speed rpm	Output W	Head Height mm	Overall Length mm	Weight kg	Max Air Consumption m <sup>3</sup> /min	Inlet Thread in	Air Hose ID mm
HDA-50-1	50x4x9.53	15,000	380	59	157	0.6	0.59	Rc1/4	9.5
HDA-100-1	100x6x15.8	13,500	1060	90	209	1.9	1.00	Rc3/8	12.7
HDA-100M-1	100x6x15.8	13,500	610	79	187	1.2	0.68	Rc1/4	9.5
HDA-125-1	125x6x22.2	12,000	1455	92	219	2.1	1.10	Rc3/8	12.7
HDA-180	180x6x22.2	7,600	1030	110	256	3.0	1.15	Rc3/8	12.7



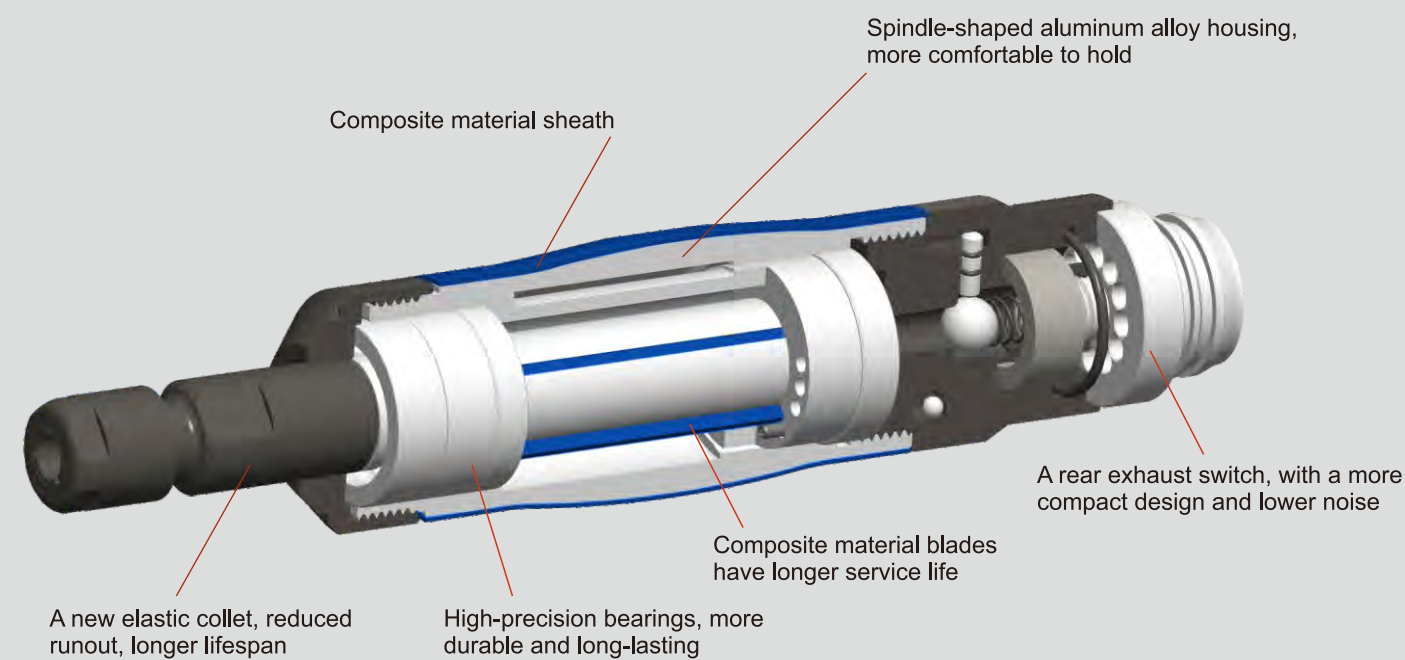
### Angle Grinders (Collet Models)

Air Pressure 0.63MPa

Model	Collet Size mm	Free Speed rpm	Output W	Head Height mm	Overall Length mm	Weight kg	Max Air Consumption m <sup>3</sup> /min	Inlet Thread in	Air Hose ID mm
HDA-50C-1	6	15,000	380	-	157	0.6	0.59	Rc1/4	9.5

# HDGseries

## Die Grinders



03



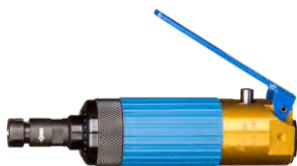
HDG-10H-1



HDG-25H-1



HDG-15-1F



HDG-15-1FR  
(Left-hand special machine)



HDG-25H-1F



HDG-25H-2



HDG-25H-2F



HDG-32H-2

### Die Grinders (Front and Side Exhaust Models)

Air Pressure 0.63MPa

Model	Collect Size mm	Free Speed rpm	Output W	Overall Length mm	Weight kg	Max Air Consumption m <sup>3</sup> /min	Inlet Thread in	Air Hose ID mm	Throttle Type	Exhaust
HDG-10H-1	3	30,000	170	163	0.4	0.25	Rc1/4	6.3	Roll	Front
HDG-15-1F	3/6	30,000	300	129	0.3	0.25	Rc1/4	6.3	Lever	Front
HDG-15-1FR	3/6	30,000	300	129	0.3	0.25	Rc1/4	6.3	Lever	Front
HDG-25H-1	3/6	24,000	283	175	0.6	0.40	Rc1/4	9.5	Roll	Front
HDG-25H-1F	3/6	24,000	283	167	0.6	0.40	Rc1/4	9.5	Locking Lever	Front
HDG-25H-2	3/6	24,000	283	175	0.6	0.40	Rc1/4	9.5	Roll	Side
HDG-25H-2F	3/6	24,000	283	167	0.6	0.40	Rc1/4	9.5	Locking Lever	Side
HDG-32H-2	3/6	18,000	354	186	0.8	0.45	Rc1/4	9.5	Roll	Side

※ A 6mm collet is attached to the main body, and a 3mm collet is included for replacement.



HDG-25HX-1F



HDG-25HX-2

Die Grinders (Rear Exhaust Models)

Air Pressure 0.63MPa

Model	Collect Size mm	Free Speed rpm	Output W	Overall Length mm	Weight kg	Max Air Consumption m³/min	Inlet Thread in	Air Hose ID mm	Throttle Type	Exhaust
HDG-25HX-1F	3/6	24,000	283	196	0.55	0.40	Rc1/4	9.5	Locking Lever	Rear
HDG-25HX-2	3/6	24,000	283	186	0.6	0.40	Rc1/4	9.5	Roll	Rear

※ A 6mm collet is attached to the main body, and a 3mm collet is included for replacement.



HDG-65H

Straight Grinders (Side Exhaust Models)

Air Pressure 0.63MPa

Model	Grinding Wheel mm	Free Speed rpm	Output W	Overall Length mm	Weight kg	Max Air Consumption m³/min	Inlet Thread in	Air Hose mm	Throttle Type	Exhaust
HDG-65H	65x13x9.5	14,600	480	317	1.6	0.55	Rc3/8	9.5	Roll	Side



HDG-25HL-1



HDG-25HL-1F



HDG-25HL-2



HDG-25HL-2F

Die Grinders (Front and Side Exhaust Models)

Air Pressure 0.63MPa

Model	Collect Size mm	Free Speed rpm	Output W	Overall Length mm	Weight kg	Max Air Consumption m³/min	Inlet Thread in	Air Hose ID mm	Throttle Type	Exhaust
HDG-25HL-1	3/6	24,000	283	286	0.67	0.40	Rc1/4	9.5	Roll	Side
HDG-25HL-1F	3/6	24,000	283	279	0.7	0.40	Rc1/4	9.5	Locking Lever	Side
HDG-25HL-2	3/6	24,000	283	286	0.8	0.40	Rc1/4	9.5	Roll	Front
HDG-25HL-2F	3/6	24,000	283	279	0.7	0.40	Rc1/4	9.5	Locking Lever	Front

※ A 6mm collet is attached to the main body, and a 3mm collet is included for replacement.

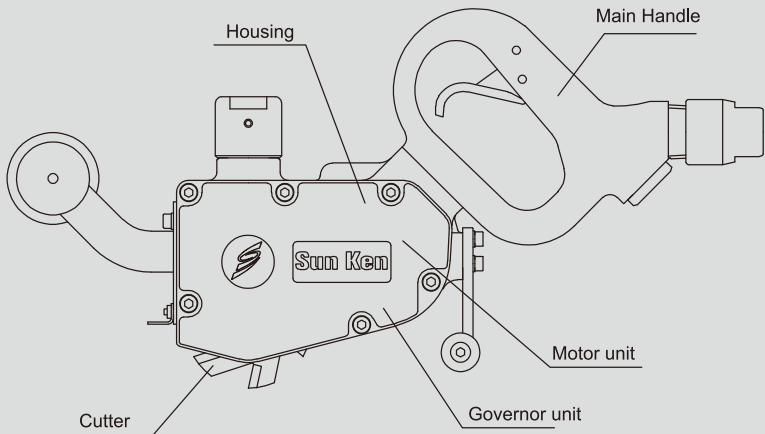


# HDAC Series

## Aluminum/Steel Weld Shavers

### Features:

- Durability: Cooling the cutter with a chip-blowing function.
- Gentleness: Smooth start with a slow-start throttle.
- Stability: Center guide with roller ensures steady operation.
- Efficiency: High-power motor with speed control governor for seamless milling.



### Aluminum Models

Air Pressure 0.63MPa

Model	Cutter Size mm	Free Speed rpm	Output W	Overall Length mm	Weight kg	Max Air Consumption m³/min	Inlet Thread in	Air Hose ID mm
HDAC-25-1	9.5	10,500	735	222	2.47	0.9	Rc1/4	9.5
HDAC-50-1	12	7,000	1,250	295	4.7	1.4	Rc3/8	12.7



HDAC-25-1



HDAC-50-1

### Steel Models

Air Pressure 0.63MPa

Model	Cutter Size mm	Free Speed rpm	Output W	Overall Length mm	Weight kg	Max Air Consumption m³/min	Inlet Thread in	Air Hose ID mm
HDAC-50-2	L: Φ50 MAX L: 50	6,000	1,125	358	5.5	1.4	Rc3/8	12.7

※ When using the maximum blade width, adjustments should be made on the installation side.

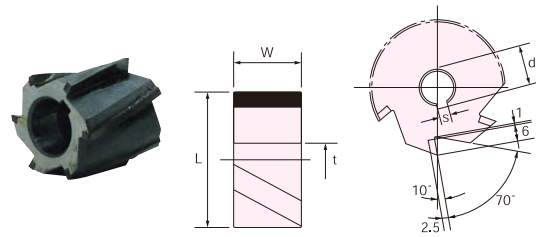


HDAC-50-2

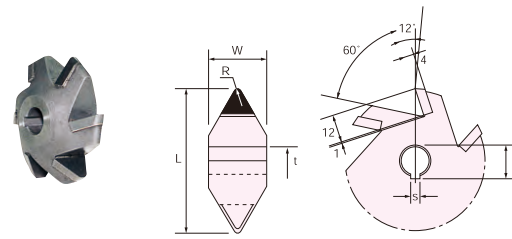




## Accessories(Cutter)



Flat Surface Shaving Cutter



Grooving Cutter

Model	Size			Tool selection guide	Applicable material	Applicable tool
	L(mm)	W(mm)	t(mm)			
CUT-0201	51	25	9.5	V-Grooving	Aluminium	HDAC-25-1
CUT-0202	62	25	12	V-Grooving	Aluminium	HDAC-50-1
CUT-0203	39	25	9.5	Flat-surface Shaving	Aluminium	HDAC-25-1
CUT-0205	50	25	12	Flat-surface Shaving	Aluminium	HDAC-50-1
CUT-1G01	50	25	12	Flat-surface Shaving	Steel	HDAC-50-2

### Features:

- Compact, lightweight, powerful, and stable milling.
- Easy depth adjustments to match your application.
- Center guide with roller for clear visibility of working direction and surface.
- Standard cutter is installed on the product as standard equipment and shipped.
- Available in aluminum models (HDAC-25-1, HDAC-50-1) and steel models (HDAC-50-2)



Before removal



After removal

## After-sales Services



The rapid development of industrial technology, automation, and intelligence has brought new service demands, and time & cost efficiency have become the key to improvement. For this purpose, we offer better service: technical support, maintenance, and spare parts.

### Technical Support

An independent localization team with professional technical support, on-site services, and high-quality training courses.

- Covering the design, manufacturing, installation, commissioning, and after-sales services for tools and automation systems. The team possesses independent capabilities and rich engineering experience in software& hardware development, design, manufacturing, integration, and secondary development.
- The entire process starts from selection design, manufacturing, installation, and commissioning to after-sales service.
- The basic training courses introduce all our products, and the professional training involves every detail of installation, programming, parameterization, calibration, and system integration.
- Work with customers for production optimization.
- According to the latest trend in industrial manufacturing and automation systems, guided by customer production requirements, we've been providing overall solutions that include tools, and automation systems, with our own accumulated, innovative technologies over the years, combining ergonomics, so that production tempo can be improved, labor costs to be saved.



### Maintenance

Our commitment to our customers comes from a longer warranty and a full range of after-sales services to minimize line failures and downtime. Provide excellent quality service with faster response time and shorter maintenance cycles.

- Customized preventive tool and equipment maintenance plans.
- Preventive tool calibration and calibration are available.
- Use the latest test equipment and original parts for inspection and repair.
- Use the "after-sales service system" platform for real-time tracking.
- Provide professional training and assessment personnel for on-site services.
- Upgrade or retrofit to meet the latest requirements.



### Spare parts

We offer spare parts programs to ensure normal production operations and running the first moment you need them.

- For the maintenance and replacement of faulty parts, there's the option to replace single parts (instead of a whole kit) so that customers can maximize the savings on maintenance costs while the quality of maintenance is also assured.
- Provide a list of wearing parts for tools and equipment to extend the overall service life.
- In addition to the spare parts' order, secondary spare parts are carried out according to the data analysis, so that we can replace a repair the tools for customers more quickly.



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