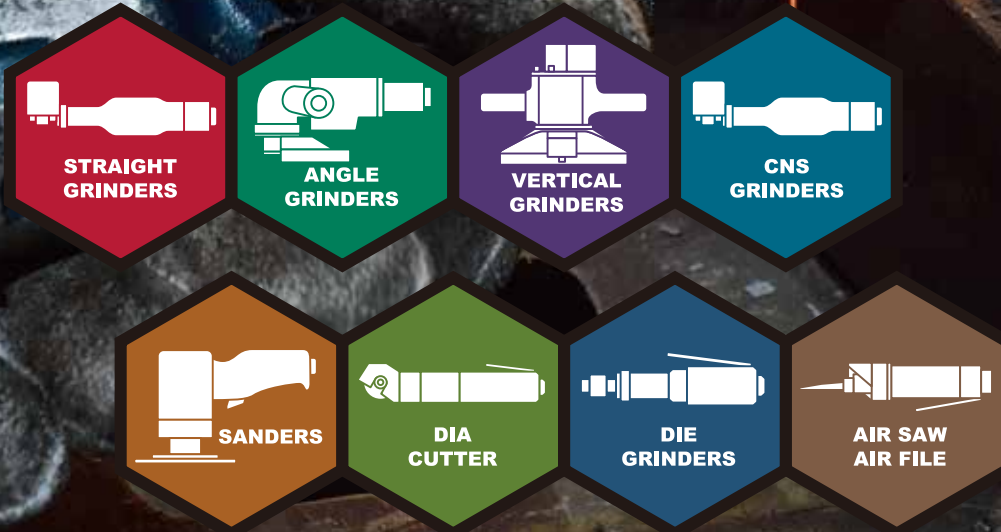


# GRINDERS



NPK Grinders are compact, light weight and user friendly. They feature smooth rotation and low vibration levels. Useful in various applications including polishing, grinding, and chamfering.

Our wide variety of grinders meet the requirements of all industrial applications:



Bridge Construction



Manufacturing



Foundry



Welding



Rail Road

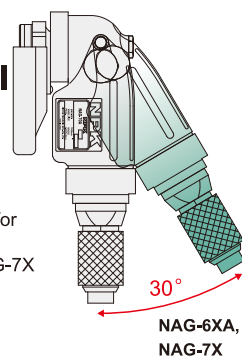


Ship Yard



**Tools for Grinding Vertical and Upper Surfaces**

120 degree angle grinders for walls and ceilings. Models: NAG-6XA and NAG-7X



NAG-6XA, NAG-7X



**Quick and Easy Abrasive Change with Integrated Spindle Lock**

[NGP-100, NGP-100, NGP-125, NAG-11A]

The NPK integrated spindle lock allows quick and easy abrasive changes and is available for some 100mm(4") and 125mm(5") angle grinders.



Press the spindle lock to install or remove the wheel.

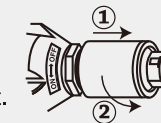


## Straight Grinders

- Heavy duty and powerful grinders with narrow aluminium housing.
- Ideal for operation in confined work spaces.

### Safety Grip Type

- ① Pull back the sleeve, and
- ② Turn it anticlockwise to start.



### Safety Grip Type

#### Collet / Non-governor



NHG-65KA-06 (6mm collet)

NHG-65KA-20 (1/4" collet)

\*3mm collets are also available.



NHG-65LKA-06 (6mm collet)

NHG-65LKA-20 (1/4" collet)

\*3mm collets are also available.



NHG-65LKA-75 (6mm collet)

NEW!

NHG-65KA-S (6mm collet)

72.8% LESS NOISE

- ➔ Retains high power and rotation speed with low noise
- ➔ Flexible exhaust cover
- ➔ 45° exhaust angle for easier handling
- ➔ Reduced exhaust dust

	Noise Level	Max.output	Max.free speed	Average air consumption
	db	kW	min <sup>-1</sup>	m <sup>3</sup> /min
NHG-65KA-S	79	0.58	19,000	0.55
NHG-65KA	90.6	0.58	19,000	0.55

#### 65mm(2 1/2") Built-in governor



NHG-65D



NHG-65LD



NHG-65LD-75

#### 100mm(4") Built-in governor



NHG-100A

#### Instructions when using cone wheels

Spindle should not be exposed.



Cone wheel Spacer



**No gap** between grinding stone and spacer



Ensure cone wheel is screwed properly. If there is any exposed area, use a spacer. Failure to comply with instructions above may cause the cone wheel to burst and could result in serious injury.

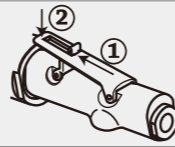
Model	Code	Collet size		Wheel size		Max.free speed	Overall length		Weight		Max. output		Air inlet thread		Hose size		Average air consumption	
		mm/in	mm	mm	in		mm	in	kg	lb	kW	hp	Rc	mm	in	m <sup>3</sup> /min	cfm	
NHG-65D	10053	-	65x13x9.5	2 <sup>9</sup> / <sub>16</sub> x	1 <sup>1</sup> / <sub>2</sub> x	14600	310	12 <sup>3</sup> / <sub>16</sub>	1.3	2.9	0.58	0.79	1/4	9.5	3/8	0.55	19.4	
NHG-65LD	10054	-	65x13x9.5	2 <sup>9</sup> / <sub>16</sub> x	1 <sup>1</sup> / <sub>2</sub> x	14600	510	20 <sup>1</sup> / <sub>16</sub>	1.6	3.5	0.58	0.79	1/4	9.5	3/8	0.55	19.4	
NHG-65LD-75	70427	-	65x13x9.5	2 <sup>9</sup> / <sub>16</sub> x	1 <sup>1</sup> / <sub>2</sub> x	14600	756	29 <sup>3</sup> / <sub>4</sub>	2.2	4.8	0.58	0.79	1/4	9.5	3/8	0.55	19.4	
NHG-100A	10075	-	100x19x12.7	4 x	3 <sup>3</sup> / <sub>4</sub> x	9500	366	14 <sup>5</sup> / <sub>16</sub>	2.3	5.1	0.88	1.2	3/8	12.7	1/2	0.65	23.0	
NHG-125	10077	-	125x19x12.7	5 x	3 <sup>3</sup> / <sub>4</sub> x	7500	405	15 <sup>15</sup> / <sub>16</sub>	3.2	7.0	1.04	1.42	3/8	12.7	1/2	0.9	31.8	
NHG-150	10081	-	150x25x15.9	6 x	1 x	6200	440	17 <sup>3</sup> / <sub>16</sub>	4.6	10.1	1.32	1.8	3/8	12.7	1/2	1.1	38.8	
NHG-65KA-06	15405	6mm	32	1 <sup>1</sup> / <sub>4</sub>		19000	311	12 <sup>1</sup> / <sub>4</sub>	1.3	2.9	0.58	0.79	1/4	9.5	3/8	0.55	19.4	
NHG-65KA-20	15406	1/4"																
new NHG-65KA-S	15408	6mm	-	-		19000	311	12 <sup>1</sup> / <sub>4</sub>	1.4	3.1	0.58	0.79	1/4	9.5	3/8	0.55	19.4	
NHG-65LKA-06	15411	6mm																
NHG-65LKA-20	15412	1/4"	32	1 <sup>1</sup> / <sub>4</sub>		19000	511	20 <sup>1</sup> / <sub>8</sub>	1.6	3.5	0.58	0.79	1/4	9.5	3/8	0.55	19.4	
NHG-65LKA-75	15415	6mm	32	1 <sup>1</sup> / <sub>4</sub>		19000	756	29 <sup>3</sup> / <sub>4</sub>	2.2	4.8	0.58	0.79	1/4	9.5	3/8	0.55	19.4	



# Straight Grinders

## Safety Lever Type

- ① Slide the stopper.
- ② Push down the lever.



### Safety Lever Type

#### 65mm(2 1/2") Built-in governor



NHG-65DLW



NHG-65LDLW

#### 100mm(4") Built-in governor

NHG-100ALW



#### 125mm(5") Built-in governor

NHG-125LW



#### 150mm(6") Built-in governor

NHG-150LW



### Collet / Non governor



NHG-65KLWA-06 (6mm collet)  
NHG-65KLWA-20 (1/4" collet)  
\*3mm collets also available.



NHG-65LKLWA-06 (6mm collet)  
NHG-65LKLWA-20 (1/4" collet)  
\*3mm collets also available.



NHG-65LKLWA-75 (6mm collet)  
NHG-65LKLWA-75-20 (1/4" collet)

Model	Code	Collet size		Wheel size		Max. free speed	Overall length		Weight		Max. output	Air inlet thread	Hose size		Average air consumption		
		mm	in	mm	in		mm	in	kg	lb			kw	hp	Rc	mm	in
NHG-65DLW	10055	-	-	65x13x9.5	2 <sup>9</sup> / <sub>16</sub> x 1/2 x 3/8	14600	338	13 <sup>5</sup> / <sub>16</sub>	1.3	2.9	0.58	0.79	1/4	9.5	3/8	0.55	19.4
NHG-65LDLW	10056	-	-	65x13x9.5	2 <sup>9</sup> / <sub>16</sub> x 1/2 x 3/8	14600	538	21 <sup>3</sup> / <sub>16</sub>	1.6	3.5	0.58	0.79	1/4	9.5	3/8	0.55	19.4
NHG-100ALW	10076	-	-	100x19x12.7	4 x 3/4 x 1/2	9500	411	16 <sup>3</sup> / <sub>16</sub>	2.3	5.1	0.88	1.2	3/8	12.7	1/2	0.65	23.0
NHG-125LW	10078	-	-	125x19x12.7	5 x 3/4 x 1/2	7500	452	17 <sup>13</sup> / <sub>16</sub>	3.2	7.0	1.04	1.42	3/8	12.7	1/2	0.9	31.8
NHG-150LW	10082	-	-	150x25x15.9	6 x 1 x 5/8	6200	486	19 <sup>1</sup> / <sub>8</sub>	4.6	10.1	1.32	1.8	3/8	12.7	1/2	1.1	38.8
NHG-65KLWA-06	11994	6mm	-	-	-	19000	339	13 <sup>3</sup> / <sub>4</sub>	1.3	2.9	0.58	0.79	1/4	9.5	3/8	0.55	19.4
NHG-65KLWA-20	11995	1/4"	-	-	-	19000	539	21 <sup>1</sup> / <sub>4</sub>	1.6	3.5	0.58	0.79	1/4	9.5	3/8	0.55	19.4
NHG-65LKLWA-06	11996	6mm	-	-	-	19000	539	21 <sup>1</sup> / <sub>4</sub>	1.6	3.5	0.58	0.79	1/4	9.5	3/8	0.55	19.4
NHG-65LKLWA-20	11997	1/4"	-	-	-	19000	756	29 <sup>3</sup> / <sub>4</sub>	2.2	4.8	0.58	0.79	1/4	9.5	3/8	0.55	19.4
NHG-65LKLWA-75	70686	6mm	-	-	-	19000	756	29 <sup>3</sup> / <sub>4</sub>	2.2	4.8	0.58	0.79	1/4	9.5	3/8	0.55	19.4
NHG-65LKLWA-75-20	70687	1/4"	-	-	-	19000	756	29 <sup>3</sup> / <sub>4</sub>	2.2	4.8	0.58	0.79	1/4	9.5	3/8	0.55	19.4



# Angle Grinders

Longtime best selling NPK angle grinders for various industrial applications.



### Non Governor

#### 100mm(4") / Grip



NAG-1F-04

#### 125mm(5") / Grip



NAG-1F-05

#### 100mm(4") / Safety Grip



NAG-1FLW-04

#### 125mm(5") / Safety Grip



NAG-1FLW-05

Wheel not included.

Model	Code	Wheel size		Spindle thread	Max. free speed	Overall length		Height		Weight		Max. output	Air inlet thread	Hose size		Average air consumption		
		mm	in			mm	in	mm	in	kg	lb			kw	hp	Rc	mm	in
NAG-1F-04	15324	100x6x15.9	4x 1/4x 5/8	-	12700	190	7 1/2	83	3 1/4	1.5	3.3	0.87	1.19	1/4	9.5	3/8	0.68	24
NAG-1FLW-04	15319	100x6x15.9	4x 1/4x 5/8	-	12700	232	9 1/8	79	3 1/8	1.5	3.3	0.87	1.19	1/4	9.5	3/8	0.68	24
NAG-1F-05	15331	125x6x22.2	5x 1/4x 7/8	-	12000	187	7 3/8	77	3 1/16	1.6	3.5	0.87	1.19	1/4	9.5	3/8	0.68	24
NAG-1FLW-05	15326	125x6x22.2	5x 1/4x 7/8	-	12000	232	9 1/8	83	3 1/4	1.6	3.5	0.87	1.19	1/4	9.5	3/8	0.68	24

### Built-in Governor

#### 100mm(4") / Grip



NAG-400A-EX



Optional left handle.

#### 100mm(4") / Safety Grip

NGS-100



- Quick wheel change with spindle lock.

Compact & Lightweight

#### 100mm(4") / Safety Grip

NGP-100



Heavy-duty



- Quick wheel change with spindle lock.

Wheel not included.

#### 125mm(5") / Safety Grip

NGP-125



Heavy-duty



- Quick wheel change with spindle lock.

Model	Code	Wheel size		Spindle thread	Max. free speed	Overall length		Height		Weight		Max. output	Air inlet thread	Hose size		Average air consumption		
		mm	in			mm	in	mm	in	kg	lb			kw	hp	Rc	mm	in
NAG-400A-EX	70661	100x6x15.9	4x 1/4x 5/8	-	13600	216	8 1/2	86	3 3/8	1.7	3.7	0.85	1.15	1/4	9.5	3/8	0.65	23
NGS-100	15208	100x6x15	4 x 1/4 x 9/16	-	13600	192	7 <sup>9</sup> / <sub>16</sub>	85	3 <sup>3</sup> / <sub>8</sub>	1.0	2.2	0.64	0.88	1/4	9.5	3/8	0.5	17.7
NGP-100	15239	100x6x15	4x 1/4x 9/16	-	13600	225	7 <sup>7</sup> / <sub>8</sub>	97	3 <sup>13</sup> / <sub>16</sub>	1.8	3.7	1.2	1.63	3/8	9.5	3/8	1.0	35.3
NGP-125	15318	125x6x22	5x 1/4x 7/8	-	10900	225	7 <sup>7</sup> / <sub>8</sub>	105	4 1/8	1.9	4.2	1.2	1.63	3/8	9.5	3/8	1.0	35.3



# Angle Grinders

Longtime best selling NPK angle grinders for various industrial applications.



## Built-in Governor

### 100mm(4") / Safety Lever



NAG-11A-04

### 125mm(5") / Safety Lever



NAG-11A-05

\* 5/8-11 UNC thread spindle is also available.

#### Features for NAG-11A-04, -05

- Quick wheel change with spindle lock.
- Rear exhaust.
- Right / left replaceable handle.

Model	Code	Wheel size		Spindle thread	Max.free speed	Overall length		Height		Weight	Max. output		Air inlet thread	Hose size		Average air consumption		
		mm	in			mm	in	mm	in		kg	lb		kw	hp	Rc	mm	in
NAG-11A-04	10794	100x6x15.9	4 x 1/4 x 5/8	-	12000	248	9 3/4	94	3 11/16	2.2	4.8	0.88	1.20	3/8	9.5	3/8	0.8	28.3
NAG-11A-05	10808	125x6x22	5 x 1/4 x 7/8	M14 x2.0	12000	248	9 3/4	98	3 7/8	2.3	5.1	0.88	1.20	3/8	9.5	3/8	0.8	28.3

## Non Governor

### 100mm(4") / Safety Lever



NAG-1FLW-04-CE

- Left side handle included.
- Wheel not included.

### 125mm(5") / Safety Lever



NAG-1FLW-05-CE

- Left side handle included.
- Wheel not included.

Model	Code	Wheel size		Spindle thread	Max.free speed	Overall length		Height		Weight	Max. output		Air inlet thread	Hose size		Average air consumption		
		mm	in			mm	in	mm	in		kg	lb		kw	hp	Rc	mm	in
NAG-1FLW-04-CE	15418	100x6x15.9	4 x 1/4 x 5/8	-	12700	232	9 1/8	79	3 1/8	1.5	3.3	0.87	1.19	1/4	9.5	3/8	0.68	24
NAG-1FLW-05-CE	15402	125x6x22.2	5 x 1/4 x 7/8	-	12000	232	9 1/8	83	3 1/4	1.6	3.5	0.87	1.19	1/4	9.5	3/8	0.68	24

## Built-in Governor

### 150mm(6") / Safety Grip



NAG-6XA

\* NAG-6XALW with a safety lever is also available

### 180mm(7") / Safety Lever



NAG-70ALW

### 230mm(9") / Safety Grip



NAG-230E  
(Long Spindle Type)

### 180mm(7") / Safety Grip



NAG-70S  
(Lightweight)



NAG-70A

### 180mm(7") / Safety Grip / Powerful



NAG-7X

### 230mm(9") / Safety Lever



NAG-230ELW  
(Long Spindle Type)

Model	Code	Wheel size		Spindle thread	Max.free speed	Overall length		Height		Weight	Max. output		Air inlet thread	Hose size		Average air consumption		
		mm	in			mm	in	mm	in		kg	lb		kw	hp	Rc	mm	in
NAG-6XA	10023	150x6x22	6 x 1/4 x 7/8	5/8" -11UNC	9000	229	9	110	4 5/16	2.5	5.5	0.87	1.10	1/4	12.7	1/2	0.65	23
NAG-6XALW	10024	150x6x22	6 x 1/4 x 7/8	5/8" -11UNC	9000	250	9 13/16	110	4 5/16	2.5	5.5	0.81	1.10	1/4	12.7	1/2	0.65	23
NAG-70S	10026	180x6x22	7 x 1/4 x 7/8	5/8" -11UNC	7600	238	9 3/8	109	4 5/16	2.8	5.5	1.30	1.70	3/8	12.7	1/2	1.1	38.8
NAG-70A	10756	180x6x22	7 x 1/4 x 7/8	5/8" -11UNC	7600	260	10 1/4	107	4 3/16	3.1	6.1	1.20	1.60	3/8	12.7	1/2	1.2	42.4
NAG-70ALW	10742	180x6x22	7 x 1/4 x 7/8	5/8" -11UNC	7600	279	11 1/32	107	4 3/16	3.1	6.8	1.20	1.60	3/8	12.7	1/2	1.2	42.4
NAG-7X	15311	180x6x22	7 x 1/4 x 7/8	5/8" -11UNC	7600	230	9	110	4 5/16	2.5	5.5	1.32	1.80	3/8	12.7	1/2	0.65	23
NAG-230E	10040	230x6x22	9 x 1/4 x 7/8	5/8" -11UNC	5500	276	10 7/8	138	5 7/16	4.4	9.7	1.32	1.80	3/8	12.7	1/2	1.2	42.4
NAG-230ELW	10041	230x6x22	9 x 1/4 x 7/8	5/8" -11UNC	5500	321	12 5/8	138	5 7/16	4.3	9.5	1.32	1.80	3/8	12.7	1/2	1.2	42.4

## Non Governor

### 50mm(2") / Grip / Safety Lever



NGE-050

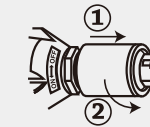


NGE-050LW

Model	Code	Wheel size		Spindle thread	Max.free speed	Overall length		Height		Weight	Max. output		Air inlet thread	Hose size		Average air consumption		
		mm	in			mm	in	mm	in		kg	lb		kw	hp	Rc	mm	in
NGE-050	15346	50x4x9.6	2 x 5/32 x 3/8	-	15000	155	6.1	62.4	2.46	0.7	1.54	0.41	0.56	1/4	9.5	3/8	0.48	17.0
NGE-050LW	15354	50x4x9.6	2 x 5/32 x 3/8	-	15000	155	6.1	62.4	2.46	0.7	1.54	0.41	0.56	1/4	9.5	3/8	0.48	17.0

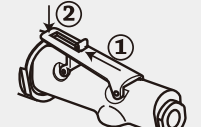
#### Safety Grip

- ① Pull back the sleeve.
- ② Turn it anticlockwise.



#### Safety Lever

- ① Slide the stopper.
- ② Push down the lever.





# Die Grinders

For precise and delicate finishing, such as deburring and removing points.



RG-25

## Lever Type / Safety Lever Type



**RG-16BK-06** (6mm collet)



Lever Type  
**RG-25-06** (6mm collet)  
**RG-25-20** (1/4" collet)

Safety Lever Type  
**RG-16BKLW-06** (6mm collet)  
**RG-16BKLW-20** (1/4" collet)



Safety Lever Type  
**RG-25LW-06** (6mm collet)  
**RG-25LW-20** (1/4" collet)

Aluminium housing  
\*3mm collets also available.

## Safety Grip Type



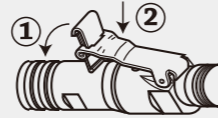
**RG-38CA-06** (6mm collet)  
**RG-38CA-20** (1/4" collet)  
Composite plastic housing



**RG-382A-06** (6mm collet)  
**RG-382A-20** (1/4" collet)  
Aluminium housing

### Safety Lever

- Slide up the stopper.
- Push down the lever.



### Option : 3 mm Collet Bushing

Code No.15000720



For changing 6 mm collet to 3 mm collet, insert bushing into 6 mm collet chuck.

[RG-16BK-06/RG-25-06/RG-25LW-06  
RG-38CA-06/RG-382A-06/RG-38CX-06  
RG-383A-06]

## Safety Lever Type



**RG-38CX-06** (6mm collet)  
**RG-38CX-20** (1/4" collet)  
Composite plastic housing



**RG-383A-06** (6mm collet)  
**RG-383A-20** (1/4" collet)  
Aluminium housing

Model	Code	Collet size	Max.free speed	Overall length		Weight		Max. output		Air inlet thread	Hose size		Average air consumption	
				mm	in	kg	lb	kw	hp		Rc	mm	in	m <sup>3</sup> /min
RG-16BK-06	11998	6mm	38000	178	7	0.4	0.88	0.30	0.41	1/4	6.3	1/4	0.25	8.8
RG-16BKLW-06	11999	6mm	38000	178	6 <sup>15</sup> / <sub>16</sub>	0.4	0.88	0.30	0.41	1/4	6.3	1/4	0.25	8.8
RG-16BKLW-20	12000	1/4"	38000	178	6 <sup>15</sup> / <sub>16</sub>	0.4	0.88	0.30	0.41	1/4	6.3	1/4	0.25	8.8
RG-25-06	10140	6mm	30000	174	6 <sup>7</sup> / <sub>8</sub>	0.52	1.1	0.41	0.56	1/4	6.3	1/4	0.4	14.1
RG-25-20	10184	1/4"	30000	174	6 <sup>7</sup> / <sub>8</sub>	0.52	1.1	0.41	0.56	1/4	6.3	1/4	0.4	14.1
RG-25LW-06	10143	6mm	30000	176	6 <sup>15</sup> / <sub>16</sub>	1.1	2.4	0.41	0.56	1/4	6.3	1/4	0.4	14.1
RG-25LW-20	10486	1/4"	30000	176	6 <sup>15</sup> / <sub>16</sub>	1.1	2.4	0.41	0.56	1/4	6.3	1/4	0.4	14.1
RG-38CA-06	15303	6mm	22000	189	7 <sup>7</sup> / <sub>16</sub>	0.5	1.1	0.42	0.57	1/4	9.5	3/8	0.5	17.7
RG-38CA-20	15305	1/4"	22000	189	7 <sup>7</sup> / <sub>16</sub>	0.5	1.1	0.42	0.57	1/4	9.5	3/8	0.5	17.7
RG-382A-06	15304	6mm	22000	184	7 <sup>1</sup> / <sub>4</sub>	0.5	1.1	0.42	0.57	1/4	9.5	3/8	0.5	17.7
RG-382A-20	15306	1/4"	22000	184	7 <sup>1</sup> / <sub>4</sub>	0.5	1.1	0.42	0.57	1/4	9.5	3/8	0.5	17.7
RG-38CX-06	15180	6mm	22000	183	7 <sup>3</sup> / <sub>16</sub>	0.6	1.3	0.42	0.57	1/4	9.5	3/8	0.5	17.7
RG-38CX-20	15302	1/4"	22000	183	7 <sup>3</sup> / <sub>16</sub>	0.6	1.3	0.42	0.57	1/4	9.5	3/8	0.5	17.7
RG-383A-06	15399	6mm	25000	178	7	0.6	1.3	0.42	0.57	1/4	9.5	3/8	0.5	17.7
RG-383A-20	15400	1/4"	25000	178	7	0.6	1.3	0.42	0.57	1/4	9.5	3/8	0.5	17.7



# Vertical Grinders

- Outstanding grinding power provided by durable vertical motor.
- Ideal for grinding large areas.

## Built-in Governor

### 180mm(7") Lever Type



**NVG-180SL**

### 180mm(7") Safety Lever Type



**NVG-180SLW**

Wheel not included.

Model	Code	Wheel size		Spindle thread	Max.free speed	Overall length		Weight		Max. output	Airinlet thread	Hose size		Average air consumption		
		mm	in			mm	in	kg	lb			kw	hp	Rc	mm	in
NVG-180SL	10119	180x6x22	7x <sup>1</sup> / <sub>4</sub> x <sup>7</sup> / <sub>8</sub>	5/8"-11UNC	7100	187	7 <sup>3</sup> / <sub>8</sub>	3.8	8.4	1.87	2.54	3/8	12.7	1/2	1.1	38.8
NVG-180SLW	10120	180x6x22	7x <sup>1</sup> / <sub>4</sub> x <sup>7</sup> / <sub>8</sub>	5/8"-11UNC	7100	187	7 <sup>3</sup> / <sub>8</sub>	3.8	8.4	1.87	2.54	3/8	12.7	1/2	1.0	35.3





# CNS Grinders

• Ideal for fine finish work and removal of black scale, oxide layer, or paint.

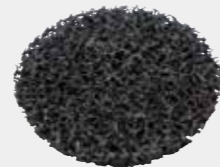
## Safety Grip Type



NHG-75G

Model	Code	Wheel size		Max.free speed min <sup>-1</sup>	Overall length		Height		Weight		Max. output		Airinlet thread Rc or NPT	Hose size		Average air consumption	
		mm	in		mm	in	mm	in	kg	lb	kw	ps		mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min
NHG-75G	10074	100x26x9.5	4 x 1/4 x 5/8	6000	328	12 <sup>15</sup> / <sub>16</sub>	-	-	1.7	3.7	0.77	1.05	1/4	9.5	3/8	0.45	15.9

### Options CNS Wheel



#### Wheel for NHG-75G (Disk Type)

Max 6000 RPM : 6000(r.p.m)

Wheel Size : 100x13(mm)

Code : No.24906003



# Wire Brush Sanders

• Ideal for removing rust and paint, and descaling beads after welding.

## Safety Grip Type



NAG-70WA

## Safety Lever Type



NAG-70WALW

Model	Code	Wheel size		Max.free speed min <sup>-1</sup>	Overall length		Height		Weight		Max. output		Airinlet thread Rc	Hose size		Average air consumption	
		mm	in		mm	in	mm	in	kg	lb	kw	hp		mm	in	m <sup>3</sup> /min	cfm
NAG-70WA	10744	120x22	4 <sup>3</sup> / <sub>4</sub> x 7/8	6500	257	10 <sup>1</sup> / <sub>8</sub>	109	4 <sup>9</sup> / <sub>16</sub>	2.8	6.2	1.2	1.6	3/8	12.7	1/2	0.9	31.8
NAG-70WALW	10714	120x22	4 <sup>3</sup> / <sub>4</sub> x 7/8	6500	276	10 <sup>7</sup> / <sub>8</sub>	109	4 <sup>9</sup> / <sub>16</sub>	2.8	6.2	1.2	1.6	3/8	12.7	1/2	0.9	31.8



# Sanders

Comfortable, compact, and perfectly balanced sanders for disc papers.



NSG-100

## 100mm(4") Lever Type



NSG-100

## 125mm(5") Grip Type



NSG-125A

## 150mm(6") Safety Grip Type



NSG-150X

## 180mm(7") Safety Grip Type



NSG-180XC

## 180mm(7") Safety Lever Type



NSG-180XCLW

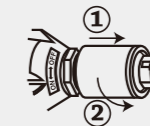
### Ref

Disc Paper



### Safety Grip

- ① Pull back the sleeve.
- ② Turn it anticlockwise.



### Safety Lever

- ① Slide up the stopper.
- ② Push down the lever.



Model	Code	Wheel size		Max.free speed min <sup>-1</sup>	Overall length		Height		Weight		Airinlet thread Rc	Hose size		Average air consumption	
		mm	in		mm	in	mm	in	kg	lb		mm	in	m <sup>3</sup> /min	cfm
NSG-100	10176	100x16	4 x 5/8	13000	161	6 <sup>5</sup> / <sub>16</sub>	102	4	0.9	2.0	1/4	6.3	1/4	0.4	14.1
NSG-125A	15350	125x16	5 x 7/8	11000	190	7 <sup>1</sup> / <sub>2</sub>	190	7 <sup>1</sup> / <sub>2</sub>	1.5	3.3	1/4	9.5	3/8	0.65	23.0
NSG-150X	15309	150x22	6 x 7/8	8400	209	8 <sup>1</sup> / <sub>4</sub>	179	7 <sup>1</sup> / <sub>16</sub>	2.2	4.8	3/8	12.7	1/2	0.65	23.0
NSG-180XC	15307	180x22	7 x 7/8	7600	209	8 <sup>1</sup> / <sub>4</sub>	179	7 <sup>1</sup> / <sub>16</sub>	2.2	4.8	3/8	12.7	1/2	0.65	23.0
NSG-180XCLW	15308	180x22	7 x 7/8	7600	239	9 <sup>7</sup> / <sub>16</sub>	190	8 <sup>1</sup> / <sub>2</sub>	2.4	5.3	3/8	12.7	1/2	0.65	23.0



# Saw·File

- Remarkable cutting speed by its dual action design.
- Rubber grip for operator comfort.



**Saw · AS-22A**  
2 pcs of 32 teeth saws included.

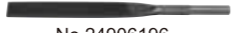



## Saws for AS-22A

	24 teeth for aluminum	32 teeth for aluminum
AS-22A	 No.24906130	 No.24906133



**File · AS-22AF**  
4 files, 1 each of all kinds included.

## Files for AS-22AF

AS-22AF	Flat file	Semi-round file
	 No.24906196	 No.24906183
	Round file	Triangle file
	 No.24906162	 No.24906166

Model	Code	Max. sheet thickness mild steel		Free frequency per minute	Overall length		Weight		Air inlet thread	Hose size		Average air consumption	
		mm	in		mm	in	kg	lb		Rc	mm	in	m <sup>3</sup> /min
AS-22A	10791	1.5	1/16	10000	212	8 <sup>3</sup> / <sub>8</sub>	0.6	1.3	1/4	6.3	1/4	0.25	8.8
AS-22AF	10810	-	-	6500	203	8	0.6	1.3	1/4	6.3	1/4	0.11	3.9

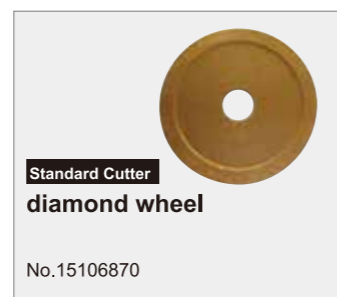


# Dia Cutter

- Designed for speedy cutting and trimming work.
- Many applications including automotive repairing, cement, duralumin, removing burr from casting, window frame, sheet metal, and fiber glass manufacturing.



**DAC-11**








1 cutter included.

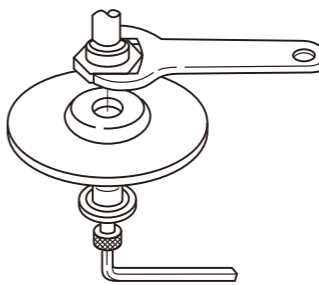
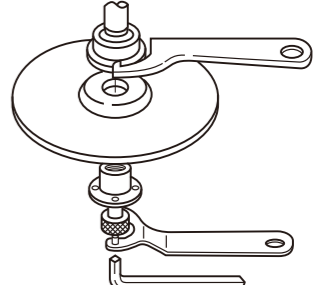
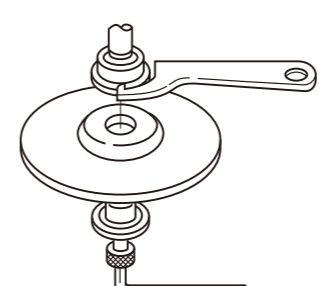
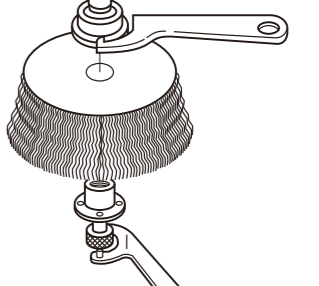
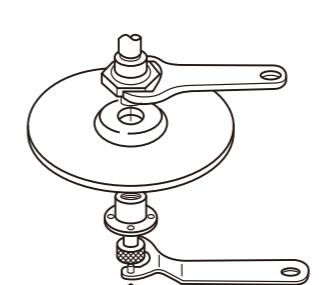
Model	Code	Max. sheet thickness mild steel		Max. free speed	Overall length		Weight		Air inlet thread	Hose size		Average air consumption	
		mm	in		mm	in	kg	lb		Rc	mm	in	m <sup>3</sup> /min
DAC-11	10225	54x1.3x10	2 <sup>1</sup> / <sub>8</sub> x <sup>3</sup> / <sub>64</sub> x <sup>3</sup> / <sub>8</sub>	13000	298	11 <sup>3</sup> / <sub>4</sub>	1.7	3.7	1/4	6.3	1/4	0.45	15.9

# Accessories for Installing Grinding Wheels

## Standard Accessories for Grinders

Shape	Name	Shape	Name
	Open Ended Spanner		Turning Spanner
	Turning Rod		Flange Spanner
	Allen Wrench		

## Installing Grinding Wheel

Model	Drawing	Model	Drawing
NAG-1F(LW)-05 NAG-400A		NAG-230E(LW)	
NAG-1F(LW)-04		NAG-70WA(LW)	
NAG-6XA(LW) NAG-70S NAG-70A(LW) NSG-180XB(LW)		NVG-180SL NVG-180SLW	