

Grinding Tools



How to Select your finishing tool?

Step 1

Applications

- Materials
- Access
- Intensity
- Precision

Step 2

Abrasives

- Carbide Burrs
- Mounted Points
- Grinding Wheels
- Cutting Wheels
- Flap Wheels

Step 3

Tools

- Die Grinders
- Angle Grinders
- Vertical Grinders
- Extended Grinders

NKS – Abrasive Tools

The NKS line of industrial grinders and sanders has been developed to offer the widest selection of product choices to meet increased market demand for quality, accuracy and dependability; as well as meeting increased demands for low vibration, temperature, insulation and general operator comfort.

NKS grinders and sanders features the highest HP to weight ratio, and modern design offer built in comfort feature such as composite insulated grips, as well as reduced noise and vibration. All NKS grinders fully meet ANSI requirements for guards, spindles, mounting fixtures and spindle run out.

Our extensive line up covers a range from 0.18 HP precision grinders up to 4 HP vertical and horizontal grinders with choices of steel bodies and angle configurations.

Various models in the NKS die grinders and angle grinders line up feature our “softouch” coating which provides insulation to the operator, along with reduced vibration, and comfort grip handles.



Instructions and warning for safety use – Grinders and Sanders

Intended Use	The tool is designed to be used with abrasive products for grinding, cutting and sanding materials. Do not use the product for other purpose
Protective Equipment	Always wear necessary protective equipment such as an eye protector, an ear protector, a face shield, a safety apron, a helmet, gloves and other necessary protective clothing. Use protective barriers where necessary
Maximum Speeds of Abrasives Product and Tools	Always check the spindle speed of the tool when mounting the abrasive product. Ensure that the maximum free speed rating of the abrasive product is above that of the tool in use.
Wheel Size of Abrasive Product and Peripheral Speed	The following is a reference of 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 the reference.
Correct Wheel Guard and Flanges for Grinders	Always use the wheel guard and wheel flanges supplied with the tool and ensure that they are mounted correctly with the appropriate tightness when mounting the abrasive product. Only trained & qualified personnel should mount the abrasive product. Do not use a wheel guard or the flanges if they are damaged or worn. Do not modify or repair a wheel guard or flanges.
Correct Abrasive Product to Correct Tool	Make sure the dimensions of the abrasive product are compatible with the tool and that the abrasive product fits the spindle of the tool.
Mounting and Dismounting Abrasive Product	When mounting and dismounting the abrasive product, make sure to disconnect tool. Make sure the dimensions of the abrasive product are compatible with the tool and that the abrasive product fits the spindle of the tool.
Tools with Speed Governor	For the grinder with a speed governor, check the maximum free speed regularly. Make it a rule to check the maximum free speed, whenever before use.

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

ERGONOMIC FEATURES

NKS Abrasive Tools are designed with advanced ergonomics and features required to enable operators to achieve increased productivity levels such as:

- Significant sound and vibration reduction – helps reduce operator fatigue and improve performance.
- Complete line – designed for maximum productivity under rugged conditions.
- Wide choice of tools – die grinders, small wheel grinders, horizontal grinders, and vertical grinders.
- Powerful yet lightweight – produces more power per pound than comparable electric models.

- Air Powered – Minimal risk of electrical shock or overheating – even with continuous use.

OTHER FEATURES:

- Rugged construction – to withstand tough use.
- Heat treated internal parts – keep tool operating, minimize repairs.
- Engineered to minimize downtime – simple replacement of rotor blades usually restores original power.
- Wide variety of accessories – Increases productivity, ergonomics, and safety.

COLLET GRINDERS

Recommended speeds depend on both the shank and head diameter of the carbide burr.

The choice of burr depends on the size of your application. A larger volume of material to be removed will require a larger size abrasive.

Select the tool rpm depending on the diameter of the burr head, the material to be ground and the material in the rotary burr. Use tungsten carbide burrs for hard and tough materials. High speed steel burrs are recommended for unhardened and medium hard materials. See table.

DIAMETER OF THE HEAD OF THE CARBIDE BURRS					
Material Type	1/8" (3mm)	1/4" (6mm)	3/8" (10mm)	1/2" (12mm)	5/8" (16mm)
Steel	60,000 – 90,000	45,000 – 60,000	30,000 – 40,000	22,500 – 30,000	18,000 – 24,000
Tempered Steel	60,000 – 90,000	30,000 – 45,000	19,000 – 30,000	15,000 – 22,500	12,000 – 18,000
Stainless Steel	60,000 – 90,000	30,000 – 45,000	19,000 – 30,000	15,000 – 22,500	12,000 – 18,000
Casting	45,000 – 90,000	22,500 – 60,000	15,000 – 40,000	11,000 – 30,000	9,000 – 24,000
Titanium	60,000 – 90,000	30,000 – 45,000	19,000 – 30,000	15,000 – 22,500	12,000 – 18,000
Nickel	60,000 – 90,000	30,000 – 45,000	19,000 – 30,000	15,000 – 22,500	12,000 – 18,000
Copper & Copper Alloys	45,000 – 90,000	22,500 – 60,000	15,000 – 40,000	11,000 – 30,000	9,000 – 24,000
Aluminum	30,000 – 90,000	15,000 – 70,000	10,000 – 50,000	7,000 – 38,000	6,000 – 30,000
Plastics	30,000 – 90,000	15,000 – 70,000	10,000 – 50,000	7,000 – 38,000	6,000 – 30,000
Cermet	60,000 – 90,000	30,000 – 45,000	19,000 – 30,000	15,000 – 22,500	12,000 – 18,000

Small precision deburring: die grinding is performed with either tungsten carbide, high speed steel burrs or mounted points.



WHEEL GRINDERS

Pure material removal, regardless of whether it is removed from a cramped or an open space, is determined by the power generated on the grinding application. The applied feed force and the rotation of the wheel generates a cutting force which when multiplied by the peripheral speed of the wheel, represents the power for removing material (power = peripheral speed x cutting force).

NKS grinders features a high degree of safety. Safety throttles, over-speed shut-off and wheel guards are good examples of product safety features carried by your grinders.

The table below will help you to translate the peripheral speed of the grinding wheel to the correct rotational speed of the grinder when using a specific diameter of grinding wheel.

Diameter In. (mm)	Max. Work Speed in m/s or ft/min							
	32	35	40	50	63	80	100	125
1 (25)	24,450	24,740	30,560	38,200	48,130	61,120	76,390	95,490
1-1/4 (32)	19,100	20,890	23,870	29,840	37,600	47,750	59,680	74,600
1-9/16 (40)	15,280	16,710	19,100	23,870	30,080	38,200	47,750	59,680
2 (50)	1,220	13,370	15,280	19,100	24,060	30,560	38,200	47,750
2-1/2 (63)	9,700	10,610	12,130	15,160	19,100	24,250	30,320	37,890
3 (75)	7,640	8,360	9,550	11,940	15,040	19,100	23,870	29,840
4 (100)	6,110	6,680	7,640	9,550	12,030	15,280	19,100	23,870
5 (125)	4,890	5,350	6,110	7,640	9,630	12,220	15,280	19,100
6 (150)	4,070	4,460	5,090	6,370	8,020	1,190	12,730	15,920
7 (180)	3,400	3,710	4,240	5,310	6,680	8,490	10,610	13,260
7-7/8 (200)	3,060	3,340	3,820	4,780	6,020	7,640	9,550	11,940
9 (230)	2,660	2,910	3,320	5,150	5,230	6,640	8,300	10,380
9-27/32 (250)	2,440	2,670	3,050	3,820	4,810	6,110	7,640	9,550
11-13/16 (300)	2,040	2,230	2,550	3,180	4,010	5,090	6,370	7,960

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Die Grinders – CDR Series



A



B



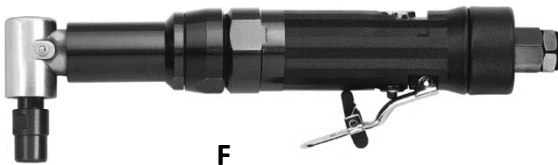
C



D



E



F



G

CDR series is equipped with variable speed safety throttle lever, composite and durable housing with new rear exhaust silencer design. Noise levels are the industry lowest. Comprises complete range including small and handy to extended and angle head type enabling the operator to select the right tool for his job.

Safety lever ensures complete safety of the operator during usage. Ergonomic handle and slim design offer complete ease and fatigue free operation.

Model	Pic Ref	Variable Speed	Collet Size	Motor Power	Exhaust	Air Con.	Air Inlet	Dia. x Length	Net Wt	Sound	Start Type
		rpm	mm	W (HP)		l/m		mm	Kg	dBA	
CDR Series											
NK2720	A	0 ~ 26,000	6	300 (0.4)	Front	390	1/4"	36 x 147	0.41	75	Lever
NK2721	B	0 ~ 26,000	6	300 (0.4)	Rear	390	1/4"	36 x 196	0.49	75	Lever
NK2722	C	0 ~ 4,500	6 or 8	450 (0.6)	Rear	480	1/4"	42 x 267	0.98	75	Lever
NK2723	C	0 ~ 21,000	6 or 8	450 (0.6)	Rear	480	1/4"	42 x 215	0.71	75	Lever
NK2724	D	0 ~ 25,000	6	300 (0.4)	Rear	390	1/4"	36 x 305	0.65	75	Lever
NK2725	D	0 ~ 20,000	6	450 (0.6)	Rear	480	1/4"	42 x 331	1.04	78	Lever
NK2726	E	0 ~ 5,000	6	300 (0.4)	Rear	390	1/4"	36 x 197	0.61	78	Lever
NK2727	E	0 ~ 15,000	6	300 (0.4)	Rear	390	1/4"	36 x 197	0.61	78	Lever
NK2728	E	0 ~ 12,000	6	300 (0.4)	Rear	390	1/4"	36 x 197	0.61	78	Lever
NK2729	E	0 ~ 20,000	6	300 (0.4)	Rear	390	1/4"	36 x 197	0.61	78	Lever
NK2730	F	0 ~ 3,600	6	225 (0.3)	Rear	396	1/4"	36 x 266	1.04	78	Lever
NK2731	G	0 ~ 4,000	6	225 (0.3)	Rear	396	1/4"	36 x 285	1.14	78	Lever

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Composite Die Grinders- SDR Series



A



B

SDR series offer new rear exhaust silencer design with low noise levels and composite handle. SDR series is equipped with Erickson type collect for extreme performance and reliability.



C



G



H

Model	Pic Ref	Variable Speed	Collet Size	Motor Power	Exhaust	Air Con.	Air Inlet	Dia. x Length	Net Wt.	Sound Pressure	Start Type
		rpm	mm	W (HP)		l/min		mm	Kg	dBA	Lever
NK2729	A	0 ~ 12,000	6 or 8	300 (0.4)	Rear	410	1/4"	36 x 190	0.64	75	Lever
NK2730	A	0 ~ 15,000	6 or 8	300 (0.4)	Rear	420	1/4"	36 x 190	0.64	73	Lever
NK2731	A	0 ~ 20,000	6 or 8	300 (0.4)	Rear	390	1/4"	36 x 190	0.64	75	Lever
NK2732	B	0 ~ 12,000	6	300 (0.4)	Rear	410	1/4"	36 x 190	0.66	73	Lever
NK2733	B	0 ~ 15,000	6	300 (0.4)	Rear	420	1/4"	36 x 190	0.66	75	Lever
NK2734	B	0 ~ 20,000	6	300 (0.4)	Rear	390	1/4"	36 x 190	0.66	73	Lever
NK2735	C	0 ~ 12,000	6 or 8	300 (0.4)	Front	410	1/4"	36 x 143	0.56	75	Lever
NK2736	C	0 ~ 15,000	6 or 8	300 (0.4)	Front	420	1/4"	36 x 143	0.56	73	Lever
NK2737	C	0 ~ 20,000	6 or 8	300 (0.4)	Front	390	1/4"	36 x 143	0.56	75	Lever
NK2738	D	0 ~ 12,000	6	300 (0.4)	Front	410	1/4"	36 x 143	0.56	73	Lever
NK2739	D	0 ~ 15,000	6	300 (0.4)	Front	420	1/4"	36 x 143	0.56	75	Lever
NK2740	D	0 ~ 20,000	6	300 (0.4)	Front	390	1/4"	36 x 143	0.56	73	Lever
NK2741	E	0 ~ 9,000	6 or 8	450 (0.6)	Rear	410	1/4"	42 x 209	0.86	75	Lever
NK2742	E	0 ~ 12,000	6 or 8	450 (0.6)	Rear	420	1/4"	42 x 209	0.86	73	Lever
NK2743	E	0 ~ 15,000	6 or 8	450 (0.6)	Rear	390	1/4"	42 x 209	0.86	75	Lever
NK2744	F	0 ~ 25,000	6	300 (0.4)	Rear	410	1/4"	36 x 215	0.62	73	Lever
NK2745	F	0 ~ 30,000	6	300 (0.4)	Rear	420	1/4"	36 x 215	0.62	75	Lever
NK2746	G	0 ~ 25,000	6	300 (0.4)	Front	390	1/4"	36 x 166	0.56	73	Lever
NK2747	G	0 ~ 30,000	6	300 (0.4)	Front	410	1/4"	36 x 166	0.56	75	Lever
NK2748	H	0 ~ 3,200	6	300 (0.4)	Rear	420	1/4"	36 x 218	0.82	73	Lever
NK2749	H	0 ~ 5,000	6	300 (0.4)	Rear	390	1/4"	36 x 218	0.82	75	Lever

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Die Grinders – Lever Type

NK2225CDS

24,000 rpm
0.40 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 25mm, Burr 13mm
- ⇒ Rugged Steel Construction for Industrial Applications
- ⇒ Lightweight: 0.77kg

NK2226RP

30,000 rpm
0.25 HP



1/8" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 13mm, Burr 10mm
- ⇒ Rugged Steel Construction for Industrial Applications
- ⇒ Lightweight: 0.45kg

NK2235RP

18,000 rpm
0.55 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 25mm, Burr 13mm
- ⇒ Rugged Steel Construction for Industrial Applications
- ⇒ Lightweight: 0.70kg

NK2269RP

30,000 rpm
0.30 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 25mm, Burr 13mm
- ⇒ Rugged Steel Construction for Industrial Applications
- ⇒ Lightweight: 0.45kg

NK2701RP

25,000 rpm
0.65 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 13mm, Burr 10mm
- ⇒ Rugged Steel Construction for Industrial Applications
- ⇒ Lightweight: 0.84kg

NK0508RP

25,000 rpm
0.30 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 13mm, Burr 10mm
- ⇒ Rugged Steel Construction for Industrial Applications
- ⇒ Lightweight: 0.42kg

Model	Collet Size		Max Dia.		Rotational Frequency	Weight	Length	Power		Air Consumption		Air Inlet
	mm	in	Disc (mm)	Burr (mm)				kw	HP	CFM	m³/min	
NK2225RP	6	1/4	25	13	24,000	0.77	179	0.30	0.40	14	0.40	1/4
NK2226RP	3	1/8	13	10	30,000	0.45	156	0.19	0.25	8.8	0.25	1/4
NK2235RP	6	1/4	25	13	18,000	0.70	188	0.41	0.55	15	0.43	1/4
NK2269RP	6	1/4	25	13	30,000	0.45	164	0.23	0.30	5.3	0.15	1/4
NK2701RP	6	1/4	25	13	25,000	0.84	156	0.49	0.65	5.3	0.15	1/4
NK0508RP	6	1/4	25	13	25,000	0.42	145	0.23	0.30	8.0	0.25	1/4

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Die Grinders – Roll Type

NK391RP

24,000 rpm
0.40 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 25mm, Burr 13mm
- ⇒ Rugged Steel Construction
- ⇒ Lightweight: 0.66kg

NK392RP

30,000 rpm
0.25 HP



1/8" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 13mm, Burr 10mm
- ⇒ Rugged Steel Construction
- ⇒ Lightweight: 0.45kg

NK393RP

18,000 rpm
0.55 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 25mm, Burr 13mm
- ⇒ Rugged Steel Construction
- ⇒ Lightweight: 0.81kg

NK394RP

20,000 rpm
0.56 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ NK394RP: Max Dia. Disc 25mm, Burr 13mm
- ⇒ NK2213RP: Max Dia. Disc 32mm, Burr 22mm
- ⇒ Rugged Steel Construction

NK2213RP (0.78HP)

NK395RP

25,000 rpm
0.30 HP



1/4" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 25mm, Burr 13mm
- ⇒ Rugged Steel Construction
- ⇒ Lightweight: 0.50kg

NK0517RP

30,000 rpm
0.30 HP



1/8" Collet Heavy Duty Die Grinder

- ⇒ Max Dia. Disc 13mm, Burr 10mm
- ⇒ Low Air Consumption: 10 CFM
- ⇒ Lightweight: 0.39kg

Model	Collet Size		Max Dia.		Rotational Frequency	Weight	Length	Power		Air Consumption		Air Inlet
	mm	in	Disc (mm)	Burr (mm)				kw	HP	CFM	m³/min	
NK391RP	6	1/4	25	13	24,000	0.66	170	0.30	0.40	14	0.40	1/4
NK392RP	3	1/8	13	10	30,000	0.45	148	0.19	0.25	8.8	0.25	1/4
NK393RP	6	1/4	25	13	18,000	0.81	180	0.41	0.55	13	0.38	1/4
NK394RP	6	1/4	25	13	20,000	0.58	170	0.42	0.56	14	0.40	1/4
NK2213RP	6	1/4	32	22	20,000	0.78	170	0.42	0.56	19	0.55	1/4
NK395RP	6	1/4	25	13	25,000	0.50	145	0.23	0.30	14.2	0.42	1/4
NK0517RP	3	1/8	13	10	30,000	0.39	160	0.23	0.30	10	0.30	1/4

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Steel Die Grinders – DGS Series



DGS series offer Erikson type collet and unbreakable rust-free steel construction for rugged industrial applications.

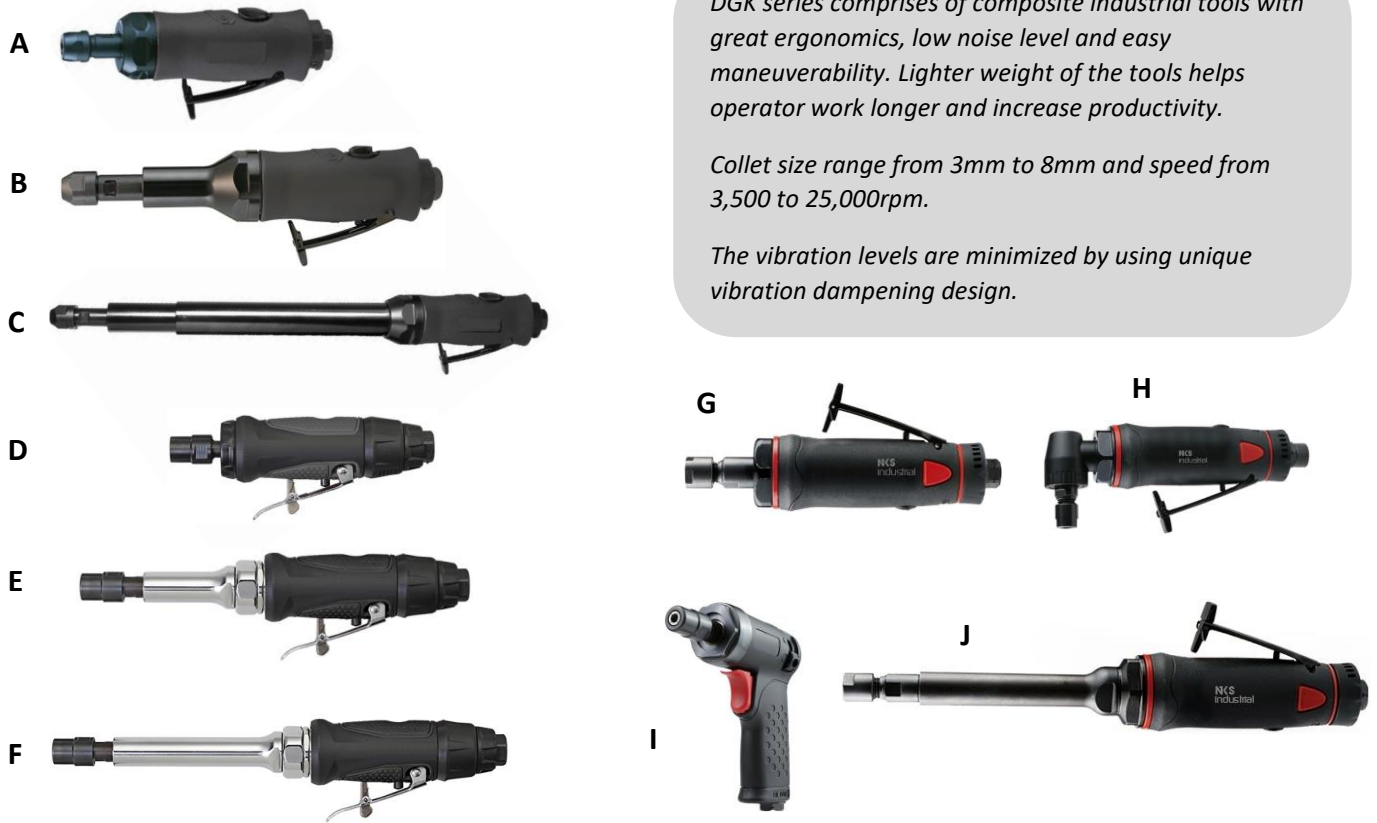
Collet sizes ranges from 3 to 8mm.

Model	Pic Ref	Variable Speed	Collet Size	Motor Power	Exhaust	Air Con.	Air Inlet	Dia. x Length	Net Wt	Sound Pressure	Start Type
		rpm	mm	W (HP)		l/min		mm	Kg	dBA	
NK2338-A09	A	9,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 222	0.92	89	Lever
NK2338-A12	A	12,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 222	0.92	89	Lever
NK2338-A15	A	15,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 222	0.92	89	Lever
NK2338-A20	A	20,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 222	0.92	89	Lever
NK2338-F09	A	9,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 222	1.32	89	Lever
NK2338-F12	A	12,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 222	1.32	89	Lever
NK2338-F15	A	15,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 222	1.32	89	Lever
NK2338-F20	A	20,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 222	1.32	89	Lever
NK2340-A09	A	9,000	3, 6 or 8	750 (1.0)	Rear	670	1/4"	41 x 220	0.80	88	Lever
NK2340-A12	A	12,000	3, 6 or 8	750 (1.0)	Rear	670	1/4"	42 x 220	0.80	88	Lever
NK2340-A15	A	15,000	3, 6 or 8	750 (1.0)	Rear	670	1/4"	43 x 220	0.80	88	Lever
NK2340-A20	A	20,000	3, 6 or 8	750 (1.0)	Rear	670	1/4"	44 x 220	0.80	88	Lever
NK2340-F09	A	9,000	3, 6 or 8	750 (1.0)	Rear	670	1/4"	45 x 220	1.20	86	Lever
NK2340-F12	A	12,000	3, 6 or 8	750 (1.0)	Rear	670	1/4"	46 x 220	1.20	86	Lever
NK2340-F15	A	15,000	3, 6 or 8	750 (1.0)	Rear	670	1/4"	47 x 220	1.20	86	Lever
NK2340-F20	A	20,000	3, 6 or 8	750 (1.0)	Rear	670	1/4"	48 x 220	1.20	86	Lever
NK2352G-A34	A	3,400	3, 6 or 8	750 (1.0)	Rear	670	1/4"	41 x 403	2.34	84	Lever
NK2352G-F34	A	3,400	3, 6 or 8	750 (1.0)	Rear	670	1/4"	41 x 403	2.73	84	Lever
NK2337-A09	B	9,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 225	0.86	89	Roll
NK2337-A12	B	12,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 225	0.86	89	Roll
NK2337-A15	B	15,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 225	0.86	89	Roll
NK2337-A20	B	20,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 225	0.86	89	Roll
NK2337-F09	B	9,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 225	1.26	89	Roll
NK2337-F12	B	12,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 225	1.26	89	Roll
NK2337-F15	B	15,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 225	1.26	89	Roll
NK2337-F20	B	20,000	3, 6 or 8	750 (1.0)	Front	670	1/4"	41 x 225	1.26	89	Roll
NK2302-A09	C	9,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 370	2.00	73	Lever
NK2302-A12	C	12,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 370	2.00	74	Lever
NK2302-A15	C	15,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 370	2.00	73	Lever
NK2302-A20	C	20,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 370	2.00	73	Lever
NK2302-F09	C	9,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 370	2.40	73	Lever
NK2302-F12	C	12,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 370	2.40	74	Lever
NK2302-F15	C	15,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 370	2.40	73	Lever
NK2302-F20	C	20,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 370	2.40	73	Lever
NK2327-A20	C	20,000	3, 6 or 8	750 (1.0)	Rear	650	3/8"	41 x 539	2.23	73	Lever
NK2303-A09	D	9,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 365	1.97	73	Roll
NK2303-A12	D	12,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 365	1.97	74	Roll
NK2303-A15	D	15,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 365	1.97	73	Roll
NK2303-A20	D	20,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 365	1.97	73	Roll
NK2303-F09	D	9,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 365	2.37	73	Roll
NK2303-F12	D	12,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 365	2.37	74	Roll
NK2303-F15	D	15,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 365	2.37	73	Roll
NK2303-F20	D	20,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 365	2.37	73	Roll
NK2328-A20	D	20,000	3, 6 or 8	750 (1.0)	Side	650	1/4"	41 x 534	2.20	74	Roll

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Composite Die Grinders – DGK Series Lever Type



DGK series comprises of composite industrial tools with great ergonomics, low noise level and easy maneuverability. Lighter weight of the tools helps operator work longer and increase productivity.

Collet size range from 3mm to 8mm and speed from 3,500 to 25,000rpm.

The vibration levels are minimized by using unique vibration dampening design.

Model	Pic Ref	Variable Speed rpm	Collet Size mm	Motor Power W (HP)	Exhaust	Air Con. l/min	Air Inlet 1/4"	Dia. x Length mm	Net Wt. Kg	Sound Pressure dBA	Start Type
NK2370	A	23,000	3, 6 or 8	675 (0.9)	Rear	512	1/4"	48 x 180	0.5	73	Lever
NK2373L09	B	22,000	3, 6 or 8	750 (1.0)	Rear	512	1/4"	48 x 240	0.8	73	Lever
NK2373L14	B	22,000	3, 6 or 8	750 (1.0)	Rear	512	1/4"	48 x 280	1.0	74	Lever
NK2372L30	C	3,500	3, 6 or 8	750 (1.0)	Rear	462	1/4"	48 x 477	1.6	74	Lever
NK2372L50	C	3,500	3, 6 or 8	750 (1.0)	Rear	462	1/4"	48 x 719	2.0	73	Lever
NK2372L80	C	3,500	3, 6 or 8	750 (1.0)	Rear	462	1/4"	48 x 974	2.5	75	Lever
NK2373L30	C	22,000	3, 6 or 8	750 (1.0)	Rear	512	1/4"	48 x 445	1.3	73	Lever
NK2373L50	C	22,000	3, 6 or 8	750 (1.0)	Rear	512	1/4"	48 x 688	1.8	75	Lever
NK2373L80	C	22,000	3, 6 or 8	750 (1.0)	Rear	512	1/4"	48 x 943	2.2	73	Lever
NK2792G	D	25,000	3 or 6	225 (0.30)	Rear	160	1/4"	48 x 170	0.4	96	Lever
NK2796G	D	22,000	3, 6 or 8	375 (0.5)	Rear	190	1/4"	48 x 190	0.7	78	Lever
NK2798G	D	22,000	3 or 6	375 (0.5)	Rear	190	1/4"	48 x 204	0.76	83	Lever
NK2799G	D	20,000	3 or 6	525 (0.70)	Rear	210	1/4"	48 x 199	0.85	81	Lever
NK2793A	E	23,000	3 or 6	225 (0.30)	Rear	160	1/4"	48 x 218	0.5	88	Lever
NK2793B	E	23,000	3 or 6	225 (0.30)	Rear	160	1/4"	48 x 248	0.6	88	Lever
NK2793C	F	23,000	3 or 6	225 (0.30)	Rear	160	1/4"	48 x 295	0.7	88	Lever
NK2797G	F	25,000	3 or 6	225 (0.30)	Rear	160	1/4"	48 x 179	0.53	78	Lever
NK2386G	G	25,000	3 or 6	230 (0.3)	Side	155	1/4"	35 x 158	0.45	81.5	Lever
NK2390G	G	20,000	3 or 6	375 (0.5)	Side	160	1/4"	41 x 188	0.62	80	Lever
NK2385	H	16,000	3 or 6	230 (0.3)	Side	160	1/4"	35 x 168	0.53	81.5	Lever
NK2389	H	14,000	3 or 6	375 (0.5)	Side	160	1/4"	41 x 185	0.73	80	Lever
NK2375	I	17,000	3 or 6	263 (0.35)	Side	155	1/4"	120	0.5	83	Button
NK2391	J	18,000	3 or 6	375 (0.5)	Side	158	1/4"	41 x 303	0.93	80	Lever
NK2391L	J	18,000	3 or 6	375 (0.5)	Side	158	1/4"	430	1.17	80	Lever
NK2387	J	22,000	3 or 6	230 (0.3)	Side	157	1/4"	35 x 288	0.74	81.5	Lever

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Die Grinders- T Series Lever Type

NK1180LT



NK1281T



NK1181T



NK1082T



NK1180T



NK11805T



NK1201A



Model	Chuck Size	Free Speed	Air Consumption		Overall Length		Air Inlet	Net Weight		Hose Size		Motor Power	
	mm	rpm	l/min	cfm	mm	Inch	Inch	kg	lb	mm	Inch	W	HP
NK1180LT	6	21000	297	10.5	290	11.41	1/4	0.71	1.56	9.5	3/8	240	0.33
NK1281T	6	12000	283	10	165	6.50	1/4	0.53	1.17	9.5	3/8	240	0.33
NK1181T	6	26000	297	10.5	285	11.22	1/4	0.65	1.43	9.5	3/8	240	0.33
NK1082T	6	26000	311	11	150	5.9	1/4	0.36	0.79	9.5	3/8	240	0.33
NK1180T	6	26000	325	11.5	230	9.05	1/4	0.54	1.19	9.5	3/8	240	0.33
NK11805T	6	26000	283	10	190	7.48	1/4	0.46	1.01	9.5	3/8	240	0.33
NK1201A	6	22000	381	13.5	170	6.69	1/4	0.62	1.37	9.5	3/8	383	0.50

Die Grinders Extended - DGEX Series

A



C



A

Roll Start



D



Model	Pic Ref	Variable Speed	Collet Size	Motor Power	Exhaust	Air Con.	Air Inlet	Dia. x Length	Net WT	Sound Pressure	Start Type
		rpm									
NK2228	A	16,000	6 or 8	600 (0.75)	Front	500	3/8"	47 x 300	1.30	73	Roll
NK2228L4	B	16,000	6 or 8	600 (0.75)	Front	500	3/8"	47 x 365	1.45	74	Roll
NK2228L5	B	16,000	6 or 8	600 (0.75)	Front	500	3/8"	47 x 515	1.70	75	Roll
NK2229	B	16,000	6 or 8	600 (0.75)	Front	500	3/8"	47 x 355	1.35	73	Lever
NK2229L4	B	16,000	6 or 8	600 (0.75)	Front	500	3/8"	47 x 420	1.50	73	Lever
NK2229L5	B	16,000	6 or 8	600 (0.75)	Front	500	3/8"	47 x 570	1.75	74	Lever
NK2703-AD	B	14,600	6	675 (0.90)	Front	630	3/8"	51 x 345	1.30	75	Roll
NK2703-BD	B	14,600	6	675 (0.90)	Front	630	3/8"	51 x 345	1.30	73	Roll
NK2250	C	13,500	6 or 8	675 (0.90)	Front	640	1/4"	51 x 375	1.74	73	Lever
NK2255	C	4,000	6 or 8	675 (0.90)	Front	640	1/4"	51 x 375	1.75	74	Lever
NK398LR	D	25,000	6	750(1.0)	Side	650	1/4"	36x335	1.50	75	Lever

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Micro Die Grinders – DGM Series



A



B



C

NKS micro die grinders feature high speed up to 70,000rpm. Steel construction models are rugged with great durability. Noise levels are among the lowest in industry.

Ideal for limited space applications.



D



E



F

Model	Pic Ref	Variable Speed	Collet Size	Motor Power	Exhaust	Air Con.	Air Inlet	Dia. x Length	Net WT	Sound Pressure	Start Type
		rpm	Inch or mm	W (HP)		l/min		mm	Kg	dBA	
NK0570A	A	56,000	3/32", 1/8" or 3		Rear	120		15.5 x 132	0.131	73	Roll
NK0579	A	60,000	3/32", 1/8" or 3		Rear	120		20.5 x 132	0.13	75	Roll
NK0571N	B	60,000	1/8" or 3		Rear	156		19 x 135	0.13	74	Roll
NK0571S	B	60,000	1/8" or 3		Rear	156		17.7 x 135	0.13	75	Roll
NK0571C	B	60,000	3/32", 1/8" or 3		Rear	120		15.5 x 132	0.10	73	Roll
NK0573	B	70,000	1/8" or 3		Rear	250		17 x 145	0.14	73	Roll
NK2248	B	70,000	1/8" or 3		Rear	156		17.7 x 135	0.13	74	Roll
NK2345	C	35,000	1/8", 1/4", 3 or 6		Rear	160		29.7 x 188	0.6	75	Roll
NK0514	D	21,000	1/8" or 3		Rear	95		160	0.20	74	Roll
NK0529	E	21,000	1/8" or 3		Rear	95		16.5 x 136	0.20	73	Roll
NK0572	F	22,000	30mm pad		Rear	100		16.5 x 136	0.20	75	Roll

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Angle Grinders - Lever Start GL Series

A



B



C



D



E



F



NKS lever type angle grinders feature aluminum alloy housing with adjustable protective guard, spiral bevel gear for premium performance and ergonomic side handle. Power ranges from 0.4hp to 2.5hp.

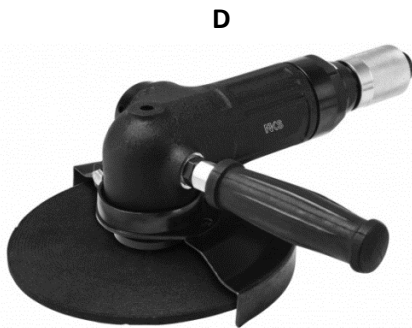
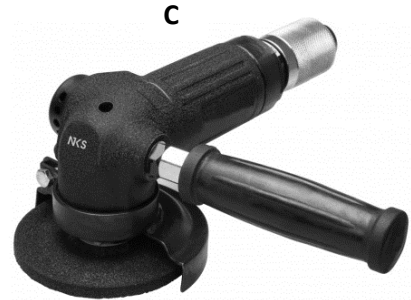
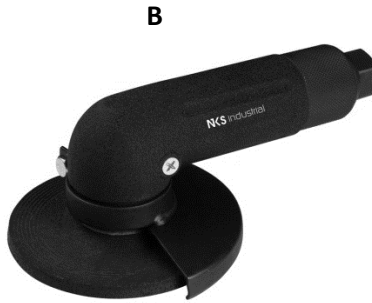
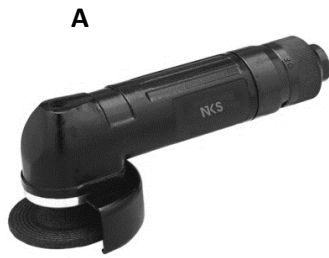
Easy to maintain and repair design with lightweight and rugged housing.

Model	Pic Ref	Wheel Size	Spindle Size	Free Speed	Overall Length	Weight	Power	Air Consumption	Air Inlet	Air Hose
		mm		rpm	mm	Kg	hp	m ³ /min	Inch	mm
NK3109GL	A	50	3/8"X24	20,000	133	0.5	0.4	0.4	1/4	9.5
NK3110GL	B	50	1/4"X28F	15,000	188	0.7	1.0	0.4	1/4	9.5
NK3120GL	C	100		11,000	145	1.02	0.65	0.5	1/4	9.5
NK2220GL	D	100	M8x1.25F	13500	272	2.0	1.0	0.40	1/4	9.5
NK2222GL	D	125	M8x1.25F	12000	272	2.1	0.9	0.55	1/4	9.5
NK2238GL	E	150	1/2"X16F	9000	252	3.0	1.8	0.65	1/4	9.5
NK2224GL	E	180	1/2"X16F	7000	353	3.0	1.8	1.20	3/8	12.7
NK2225GL	E	180	1/2"X16F	7600	353	3.0	1.8	1.20	3/8	12.7
NK2226GL	E	180	1/2"X16F	9000	353	3.0	2.0	1.20	3/8	12.7
NK2227GL	E	180	5/8"X11M	7000	353	3.0	1.5	1.20	3/8	12.7
NK2228GL	E	180	5/8"X11M	7600	353	3.0	1.8	1.20	3/8	12.7
NK2229GL	E	180	5/8"X11M	8400	353	3.0	2.0	1.20	3/8	12.7
NK2230GL	F	230		5900	309	4.4	2.5	1.65	1/2	19.0

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Angle Grinders - Roll Start G1 Series



NKS roll type angle grinders feature aluminum alloy housing with adjustable protective guard, spiral bevel gear for premium performance and ergonomic side handle. Power ranges from 0.4hp to 2.5hp.

Easy to maintain and repair design with lightweight and rugged housing.

Model	Pic Ref	Wheel Size mm	Spindle Size	Free Speed rpm	Overall Length mm	Weight Kg	Power hp	Air Consumption m ³ /min	Air Inlet inch	Air Hose mm	inch
NK3110CG1	A	50	1/4"X28F	15,000	157	0.6	1.0	0.4	1/4	9.5	3/8
NK3120CG1	B	100		11,000	165	1.02	0.65	0.5	1/4	9.5	3/8
NK2220G1	C	100	M8x1.25F	13500	216	1.8	1.0	0.40	1/4	9.5	3/8
NK2222G1	C	125	M8x1.25F	12000	216	2.1	0.9	0.55	1/4	9.5	3/8
NK2238G1	D	150	1/2"x16F	9000	252	2.9	1.8	0.65	1/4	9.5	3/8
NK2224G1	D	180	1/2"x16F	7000	252	2.9	1.8	1.20	3/8	12.7	1/2
NK2225G1	D	180	1/2"x16F	7600	252	2.9	1.8	1.20	3/8	12.7	1/2
NK2226G1	D	180	1/2"x16F	8400	252	2.9	2.0	1.30	3/8	12.7	1/2
NK2227G1	D	180	5/8"X11M	7000	252	2.9	1.5	1.20	3/8	12.7	1/2
NK2228G1	D	180	5/8"X11M	7600	252	2.9	1.8	1.20	3/8	12.7	1/2
NK2229G1	D	180	5/8"X11M	8400	252	2.9	2.0	1.30	3/8	12.7	1/2
NK2230G1	E	230		5900	309	4.4	2.5	1.65	1/2	19	3/4

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Angle Grinders - Roll Start

A



B



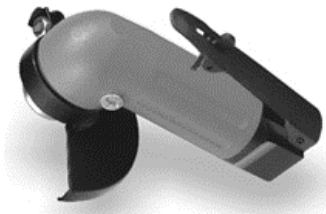
C



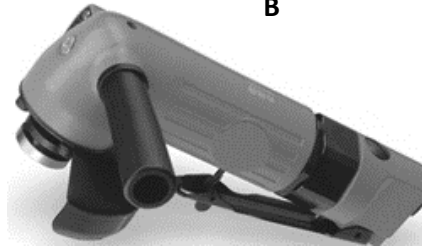
Model	Pic Ref	Wheel Size	Free Speed	Overall Length	Weight	Power	Air Consumption	Air Inlet	Air Hose	
		mm	rpm	mm	Kg	hp	m ³ /min	inch	mm	inch
NK2850	A	100	11000	235	1.8	0.63	1.20	1/4	9.5	3/8
NK2850A	A	125	9500	235	1.8	0.63	1.20	1/4	9.5	3/8
NK3856	B	175	7000	290	3.31	1.2	1.20	1/4	9.5	3/8
NK859P	C	125	11000	230	1.58	1	1.30	3/8	12.7	1/2

Angle Grinders - Lever Start

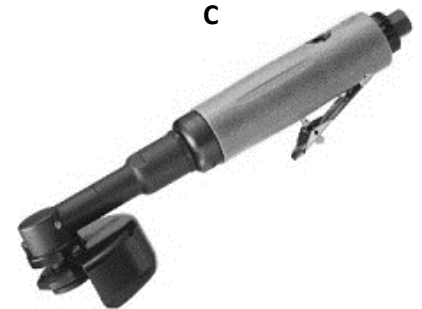
A



B



C



D



E



Model	Pic Ref	Wheel Size	Free Speed	Overall Length	Weight	Power	Air Consumption	Air Inlet	Air Hose	
		mm	rpm	mm	Kg	hp	m ³ /min	inch	mm	inch
NK1851A	A	100	10,500	145	1	0.33	1.20	1/4	9.5	3/8
NK1850	B	100	11,000	245	1.8	0.63	1.20	1/4	9.5	3/8
NK1850A	B	125	9,500	245	1.8	0.63	1.20	1/4	9.5	3/8
NK845P	C	100	12,000	303	1.5	1	1.30	1/4	9.5	3/8
NK8591P	D	125	11,000	230	1.69	1	1.30	1/4	12.7	1/2
NK3855	E	175	7,000	345	3.31	1.2	1.30	1/4	9.5	3/8

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Straight Grinder - Roll Start

NK664R



NK665R



NK666R



NK667R



NK668R



NK669R



NK670R



NK671R

NK672R



Model	Wheel Size		Spindle Thread	Free Speed rpm	Overall Length		Weight		Air Consumption m ³ /min	Air Inlet in	Air Hose in
	mm	in			mm	in	kg	lb.			
NK664R	45x13x-	1 25/32x1/2x-	W3/8-16	12,000	316	12-7/16	1.2	2.6	0.50	3/8	1/2
NK665R	65x13x9.53	2 1/2x1/2x3/8	W3/8-16	14,600	317	12 31/64	1.5	3.3	0.60	3/8	1/2
NK666R	100x19x12.7	4x3/4x1/2	W1/2-12	9,500	391	15 25/64	2.2	4.8	0.80	3/8	1/2
NK667R	125x19x12.7	5x3/4x1/2	W1/2-12	7,600	405	15 60/64	2.9	6.4	1.0	3/8	1/2
NK668R	150x25x15.8	6x1x5/8	5/8-11UNF	6,300	434	17 5/64	3.5	7.7	1.2	3/8	1/2
NK669R	205x25x15.8	8x1x5/8	5/8-11UNF	4,600	472	18 37/64	5.4	11.8	1.6	1/2	1/2
NK670R	65x13x9.53	2 1/2x1/2x3/8	W3/8 - 16	12,000	522	20 35/64	1.9	4.2	0.6	3/8	3/8
NK671R	75x19x9.53	3x3/4x3/8	W3/8 - 16	12,000	585	23 1/32	2.7	5.9	0.8	3/8	1/2
NK672R	100x19x12.7	4x3/4x1/2	W1/2 - 12	9,000	953	37 33/64	5.3	11.7	1.0	3/8	1/2

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1

Straight Grinder - Lever Start



NK664L



NK665L



NK666L



NK667L



NK668L



NK669L



NK670L



NK671L

NK672L



Model	Wheel Size		Spindle Thread	Free Speed rpm	Overall Length		Weight		Air Consumption m ³ /min	Air Inlet in	Air Hose in
	mm	in			mm	in	kg	lb.			
NK664L	45x13x-	1 25/32x1/2x-	3/8-24UNF	14,600	367	14 29/64	1.5	3.3	0.60	3/8	3/8
NK665L	65x13x9.53	2 1/2x1/2x3/8	W3/8-16	14,600	342	13 15/32	1.7	3.7	0.60	3/8	3/8
NK666L	100x19x12.7	4x3/4x1/2	W1/2-12	9,500	414	16 19/64	2.3	5.1	0.80	3/8	1/2
NK667L	125x19x12.7	5x3/4x1/2	W1/2-12	7,600	506	19 59/64	3.0	6.7	1.0	3/8	1/2
NK668L	150x25x15.8	6x1x5/8	5/8-11UNF	6,300	531	20 29/32	3.4	7.5	1.2	3/8	1/2
NK669L	205x25x15.8	8x1x5/8	5/8-11UNF	4,600	556	21 57/64	5.5	12.1	1.6	1/2	1/2
NK670L	65x13x9.53	2 1/2x1/2x3/8	W3/8 - 16	12,000	547	20 17/32	1.9	4.2	0.6	3/8	3/8
NK671L	75x19x9.53	3x3/4x3/8	W3/8 - 16	12,000	616	24 7/32	2.6	5.7	0.8	3/8	1/2
NK672L	100x19x12.7	4x3/4x1/2	W1/2 - 12	9,000	1050	41 11/32	5.4	11.9	1.0	3/8	1/2

Warning: Face and eye protection must be worn while operating power tools per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90psi (620kpa). Use cutting tool manufacturer's mounting and operating instructions.

It is user's responsibility to refer and comply with ANSI B7.1



Parts & Spares

Original Parts. Original Performance.

NKS strongly recommends using original parts and components that has passed our strict test criteria. All parts are designed to match the tool and are tested to obtain the highest level of protection, extending the tool's lifetime and keep the cost of ownership to an absolute minimum.

Distributed by:

NKS Industrial Corporation Japan
〒537-0003
大阪府大阪市東成区神路3-7-20 Japan
Email: info@nkstools.com

