

Product Number	Dimensions (mm) Outer Diameter x Thickness (Inner Diameter 25.4)	Code No.	Dimensions (mm) Outer Diameter x Thickness (Inner Diameter 25.4)	Code No.	Dimensions (mm) Outer Diameter x Thickness (Inner Diameter 25.4)	Code No.	Cutting Material	Processed Product Example	Features	Standard Selection	Focus on Sharpness	Focus on Life time						
<b>Compatible Model</b>		SS-31 Model - Birdie 2-Type (φ150-φ160)		HS-100G/G2 Model/HS-45AC Model /Ace 30Z Model							Most Standard Selected Varieties	Selected Varieties that Prioritize Sharpness over Standard Selection	Selected Varieties that Prioritize Cutting Wheel Life over Standard Selection					
		HS25/25A Model (φ150 only can be installed)		N-7 Model - SS-33 Model 32F-300/250A/200 Model		32F-500 Model												
<b>For Ferrrous Materials</b>	A100P	150 x 0.5 150 x 1.0	A100P-15005 A100P-15010	205 x 0.8 205 x 1.0	A100P-20508 A100P-20510	230 x 1.0	A100P-23010	Hardness 100   200 HV General Carbon Steel (S-C) Tool Steel (SK) Mild Steel (SS)	Rolled steel material, bolt, nut, file, engraving, clutch, general steel material, pipe, wire, rasp, drill, punch, tool, press die, gauge, stamp, snap, extrusion pin for die, various springs	Commonly called "green wood," it is suitable for rolling steel for general structures. The cost performance for 31-P is excellent for the SS-31 and Birdie II models.	A100P	A100N	HA80P					
	H-10	—	—	205 x 0.5	H10-20505	230 x 0.6	H10-23006				31-P	31-N	HA80P					
	31-P	160 x 0.7	31P-16007	—	—	—	—				—	—	—					
	Stainless Steel A	A100N	150 x 0.5 150 x 1.0	A100N-15005 A100N-15010	205 x 0.8 205 x 1.0	A100N-20508 A100N-20510	230 x 1.0	A100N-23010	Hardness 100   400 HV Alloy Tool Steel (SKS) Die Steel (SKD) Quenched items such as spring steel (SUP) Heat Resistant/Oxidation Resistant Steel	Tool, drill, quenched die, gauge, punching spring, torsion bar, spring, bellows, fastener, boiler tube, round saw, die casting type, extrusion tool, casting mold, press die, mechanical parts, high temperature corrosion resistant bolt, metallic foil for electron microscopy	Has a relatively wide defensive range, and is suitable for quenched products from general carbon steel. The cost performance for 31-N is excellent for the SS-31 and Birdie II models.	A100N	HA100J	A100P				
		H-12	—	—	205 x 0.5	H12-20505	230 x 0.6	H12-23006				31-N	HA100J	31-P				
		31-N	160 x 0.7	31N-16007	—	—	—	—				—	—	—				
		HA100J	160 x 0.7	HA100J-16007	205 x 0.8	HA100J-20508	230 x 1.0	HA100J-23010				Hardness 300   750 HV High-hardness hardened products such as special steel (SNCM) and high speed steel (SKH), high-strength steel super heat resistant alloy (Ni group, Fe group, Co group)	Crankshaft, shift knob, engine parts, bicycle frame, muffler for automobile / motorcycle, cutting tool, hard material cutting tool, ship, bridge, petrochemical parts, parts for heat treatment furnace, turbine blade, pressure vessel, medical equipment, high temperature bolt, thermocouple protection tube	Using sharpness as a priority, it's suitable for high-hardness quenched products, and nickel alloy steel.	HA100J	-	NA100J WA100R HA80P	
		NA100J	—	—	205 x 0.8	NA100J-20508	230 x 1.0	NA100J-23010							Including the materials above, it has a wide application range, and is excellent in durability. It's ideal for cutting macromolecular materials with a relatively large diameter, such as SCM, SKD, SUS.	Engine parts, bicycle frame, motorcycle brake disk, spring, nut, bolt, medical equipment, steam turbine, general scientific equipment, kitchen utensils, construction, building, vehicle, heat exchange	The cutting wheel eye is relatively coarse, making it suitable for solid materials with a relatively large diameter, such as chrome steel (SCM), die steel (SKD), and stainless steel (SUS).	Stainless Steel A
		NA80P	—	—	205 x 0.8	HA80P-20508	230 x 1.0	HA80P-23010	HA80P	Stainless Steel A, HA100J	-							
		<b>For Non-Ferrrous Materials</b>	31-A	160 x 0.7	31A-16007	205 x 0.8	31A-20508	230 x 1.0	31A-23010	Tungsten, stainless steel, kovar	Cutlery, work tool, railway car, IC lead frame, electric parts	It is suitable for solid materials with a relatively small diameter, such as tungsten and stainless steel.	WA100R	HA100J	-			
			WA100R	150 x 0.5	WA100R-15005	205 x 0.8	WA100R-20508	230 x 1.0	WA100R-23010				Normal casting (FC), magnet steel, malleable cast iron, ductile	Engine parts, bicycle frame, motorcycle brake disk, spring, nut, bolt, medical equipment, steam turbine, general scientific equipment, kitchen utensils, construction, building, vehicle, heat exchange	Suitable for nonmetal and nonferrous metal cast iron materials.	AC100J	-	-
			WA220R	150 x 0.5	WA220R-15005	205 x 0.8	WA220R-20508	230 x 1.0	WA220R-23010							Titanium, titanium aluminum, super heat resistant alloy (Ni group, Fe group, Co group), heat/oxidation resistant steel, nickel-cobalt alloy, tungsten, molybdenum, bakelite, rock, ceramics (alumina, magnesia, zirconia), composite materials (carbon fiber, glass fiber), quartz, high-purity quartz, hard glass, general soda glass, resin (phenol, epoxy, melamine, other), boron	Muffler for automobile/motorcycle, shift knob, turbocharger, automobile interior parts, high temperature corrosion resistant bolt, spring, bellows, fastener, petrochemical parts, parts for heat treatment furnace, turbine blade, pressure resistant container, gas turbine combustion cylinder, nitric acid production plant, high-heat heat exchanger, turbine parts for aircraft parts jet engines, compressors, ships and vehicles, electronic and electric parts, industrial plants, marine and space development, thermocouple protection tubes, medical materials, golf clubs, cameras, clocks, glasses, cemented carbide tools, incandescent lamps, filaments of electron tubes, lighting equipment, for embedding test specimens, connectors, glass processed products (syringe tube)	Suitable for cutting nonferrous metals such as titanium and aluminum alloys. Please choose the binding degree according to the material hardness.
			H-22	—	—	205 x 0.5	H22-20505	230 x 0.6	H22-23006				Stainless steel, copper alloy, magnesium alloy, tungsten, cobalt, nickel alloy, molybdenum, kovar, precious metals such as gold, silver and platinum, lithium, various precision pipes, thin pipes	Automobile wheel, steering wheel, seat frame, mechanical parts, chemical industry, ships, gears, connectors, welded pipe for gas piping, tube plate for heat exchanger, catalytic gas purification device, gasket, clock parts, wiring instruments, switch, relay, conductive hard material, contact material, dentistry alloy, injection needle, wire, jewelry accessories, small articles, musical instruments, hard tool material, batteries, personal computers, hard disk, camera, mobile phones	Ideal for cutting within the burrs on the cut surface, such as thin-walled pipes of stainless steel with detailed abrasive grain eyes, and small diameter wire of tungsten/cobalt.			
	AC100J		—	—	205 x 0.8	AC100J-20508	230 x 1.0	AC100J-23010	GC150N							GC150L GC150H	GC100P	
	GC100P		—	—	205 x 0.8	GC100P-20508	230 x 1.0	GC100P-23010					GC150L	GC150H	GC150N, GC100P			
	GC100N		—	—	205 x 0.8	GC100N-20508	230 x 1.0	GC100N-23010	GC150H							TC-2	GC150L, GC150N, TC-2	
	GC150N		150 x 0.3 150 x 0.5 150 x 1.0	GC150N-15003 GC150N-15005 GC150N-15010	205 x 0.8	GC150N-20508	230 x 1.0	GC150N-23010					Stainless Steel B	160 x 0.5	SUSB-16005			205 x 0.7
	H-15		—	—					205 x 0.5							H15-20505	230 x 0.6	
	GC150L		150 x 0.5	GC150L-15005	205 x 0.8	GC150L-20508	230 x 1.0	GC150L-23010	WA220R				255 x 1.2	WA220R-25512	—	—		
	GC150H	150 x 0.5	GC150H-15005	205 x 0.8	GC150H-20508	230 x 1.0	GC150H-23010	AC100J		255 x 1.2	AC100J-25512	—					—	
	GC320P	150 x 0.3	GC320P-15003	—	—	—	—		GC150L				255 x 1.2	GC150L-25512	305 x 1.2	GC150N-30512		Titanium, titanium aluminum, super heat resistant alloy (Ni group, Fe group, Co group), heat/oxidation resistant steel, nickel-cobalt alloy, tungsten, molybdenum, bakelite, rock, ceramics (alumina, magnesia, zirconia), composite materials (carbon fiber, glass fiber), quartz, high-purity quartz, hard glass, general soda glass, resin (phenol, epoxy, melamine, other), boron
	GC320R	150 x 0.5	GC320R-15005	205 x 0.8	GC320R-20508	230 x 1.0	GC320R-23010	GC150H		255 x 1.2	GC150H-25512	—					—	
H-32	—	—	205 x 0.5	H32-20505	230 x 0.6	H32-23006	GC320R		255 x 1.2				GC320R-25512	—	—			
GW320R	—	—	205 x 0.8	GW320R-20508	230 x 1.0	GW320R-23010		Stainless Steel B		160 x 0.5	SUSB-16005	205 x 0.7				SUSB-20507	—	—
Stainless Steel B	160 x 0.5	SUSB-16005	205 x 0.7	SUSB-20507	—	—	H-40		—				—	205 x 0.5	H40-20505			
GC400L	150 x 0.5	GC400L-15005	205 x 0.7	GC400L-20507	—	—		H-40		—	—	205 x 0.5				H40-20505	230 x 0.6	H40-23006

# NASTON Cutting Wheel

φ150 - 230  
Standard Cutting Wheel  
Selection Examples

- Standard Product Variety
- Other Production Varieties

Product Number	Dimensions (mm) Outer Diameter x Thickness (Inner Diameter 31.75)	Code No.	Dimensions (mm) Outer Diameter x Thickness (Inner Diameter 31.75)	Code No.	Cutting Material	Processed Product Example			
<b>Compatible Model</b>		SP-7/320Z Model							
<b>For Ferrrous Materials</b>	A100P	255 x 1.2	A100P-25512	305 x 1.2	A100P-30512	Hardness 100   200 HV General Carbon Steel (S-C) Tool Steel (SK) Mild Steel (SS)	Rolled steel material, bolt, nut, file, engraving, clutch, general steel material, pipe, wire, rasp, drill, punch, tool, press die, gauge, stamp, snap, extrusion pin for die, various springs		
	A100N	255 x 1.2	A100N-25512	305 x 1.2	A100N-30512			Hardness 100   400 HV Alloy Tool Steel (SKS), Die Steel (SKD) Quenched items such as spring steel (SUP) Heat Resistant/Oxidation Resistant Steel	Tool, drill, quenched die, gauge, punching spring, torsion bar, spring, bellows, fastener, boiler tube, round saw, die casting type, extrusion tool, casting mold, press die, mechanical parts, high temperature corrosion resistant bolt, metallic foil for electron microscopy
	HA100J	255 x 1.2	HA100J-25512	305 x 1.2	HA100J-30512				
	NA100J	255 x 1.2	NA100J-25512	305 x 1.2	NA100J-30512				
	NA80P	255 x 1.2	NA80P-25512	305 x 1.2	NA80P-30512				
	Stainless Steel A	255 x 1.2	SUSA-25512	—	—				
	<b>For Non-Ferrrous Materials</b>	HA80P	255 x 1.2	HA80P-25512	—	—	Hardness 300   750 HV High-hardness hardened products such as special steel (SNCM) and high speed steel (SKH), high-strength steel super heat resistant alloy (Ni group, Fe group, Co group)	Including the materials above, it has a wide application range, and is excellent in durability. It's ideal for cutting macromolecular materials with a relatively large diameter, such as SCM, SKD, SUS.	
		NA80P	255 x 1.2	NA80P-25512	305 x 1.2	NA80P-30512			
		WA220R	255 x 1.2	WA220R-25512	—	—			
		AC100J	255 x 1.2	AC100J-25512	—	—			
GC150N		255 x 1.2	GC150N-25512	305 x 1.2	GC150N-30512				
GC150L		255 x 1.2	GC150L-25512	305 x 1.2	GC150L-30512				
GC150H		255 x 1.2	GC150H-25512	—	—				
GC320R		255 x 1.2	GC320R-25512	—	—				
									Normal casting (FC), magnet steel, malleable cast iron, ductile
						Stainless steel, copper alloy, magnesium alloy, molybdenum, kovar, precious metals such as gold, silver and platinum, lithium, various precision pipes, thin pipes			

# NASTON Cutting Wheel

φ255 - 305  
Standard Cutting Wheel  
Selection Examples

- Standard Product Variety
- Other Production Varieties

## NASTON Cutting Wheel H Series (Inner Diameter 25.4 mm - 1 box, 25 wheels)

Product Number	Dimensions (mm) Outer Diameter x Thickness	Code No.	Dimensions (mm) Outer Diameter x Thickness	Code No.	Materials to be Cut
H-10	205 x 0.5	H10-20505	230 x 0.6	H10-23006	General Steel Materials
H-12	205 x 0.5	H12-20505	230 x 0.6	H12-23006	Heat-Treated Materials, Special Steel
H-15	205 x 0.5	H15-20505	230 x 0.6	H15-23006	General Non-ferrrous Materials
H-22	205 x 0.5	H22-20505	230 x 0.6	H22-23006	Copper, Brass, Stainless Steel
H-32	205 x 0.5	H32-20505	230 x 0.6	H32-23006	Stainless Steel, Tungsten, Molybdenum
H-40	205 x 0.5	H40-20505	230 x 0.6	H40-23006	General Non-Ferrrous Materials, Precious Metals Such as Gold, Silver

## For Former Dry-Type Birdie Model (Inner Diameter 25.4 mm - 1 box, 25 wheels)

Product Number	Dimensions (mm)	Code No.	Grinding Material
Naston A	160 x 0.7	BDA-16007	General Carbon Steel/Tool Steel
Naston B	160 x 0.7	BDB-16007	Resin/Bakelite
Naston C	160 x 0.7	BDC-16007	Copper/Brass/Stainless Steel

## For Former S-2 Model (Inner Diameter 6 mm - 1 box, 50 wheels)

Product Number	Dimensions (mm)	Code No.	Grinding Material
A100P	75 x 0.5	A100P-07505	General Carbon Steel/Tool Steel
GC150P	75 x 0.5	GC150P-07505	Resin/Bakelite
WA120P	75 x 0.5	WA120P-07505	Copper/Brass/Stainless Steel

## For S-5 Model/Former MM-G Model (Inner Diameter 10 mm - 1 box, 50 wheels)

Product Number	Dimensions (mm)	Code No.	Grinding Material
A100P	90 x 0.5	A100P-09005	General Carbon Steel/Tool Steel
GC320P	90 x 0.5	GC320P-09005	Stainless Steel, Resin, Precious Metals such as Gold, Silver
WA120P	90 x 0.5	WA120P-09005	Copper/Brass/Stainless Steel

## End Surface Polisher Segment Grindstone for Fine Limiter

Product Number	Finished Surface	No. of Sheets	Code No.	Grinding Material
Mid-Level	Mid-Finish	6-Pack	B-6-6	For a wide range of precision grinding such as hard and soft iron alloy cast iron and stainless steel, etc., and for difficult grinding of tool steel, die steel, hardened alloy steel
		8-Pack	B-6-8	
Detailed	Top-Finish	6-Pack	B-12-6	
		8-Pack	B-12-8	