



PNEUMATIC TOOLS
SHINANO INC.
<http://www.shinanoinc.com/>



INDUSTRIAL

AIR TOOLS



ANGLE GRINDER



DIE GRINDER



EDGE CUTTER

PROFESJONALNE NARZĘDZIA DLA WYMAGAJĄCYCH

CENTRALA TECHNICZNA

ELTECH

Centrala Techniczna **ELTECH** Sp. z o.o. ul. Fabryczna 1-3, 58-100 Świdnica

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BIELSKO-BIAŁA 512 550 177 CIECHANÓW 23 657 44 56 CZĘSTOCHOWA 34 368 06 39 GDAŃSK 884 885 045 KATOWICE 508 149 490 KRAKÓW 12 265 22 50

LEGNICA 76 852 46 94 ŁÓDŹ 42 307 27 47 PŁOCK 600 436 523 POZNAŃ 506 192 876 RZESZÓW 17 864 01 21 SIEDLCE 25 633 14 44

STAŁOWA WOLA 502 165 600 SZCZECIN 695 701 703 TYCHY 32 218 04 73 WROCŁAW 71 339 05 36 ZIELONA GÓRA 669 071 355



CENTRALA TECHNICZNA
ELTECH



for Bridge industry

for Shipbuilding industry

for Building industry

productivity

accessibility

ergonomics

durability

safety

for Airplane industry

for Welding operation





1608-Vol.3



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DISC GRINDERS

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AG2



SI-NO.	Switch type	Description	Spindle size	Disc size
AG2-U2P	Palm grip-safety lever(P)	2"Angle Disc Grinder	Φ9.53-1/4"-28UNF	50X4X9.53
AG2-U2R	Rotary twist switch(R)	2"Angle Disc Grinder	Φ9.53-1/4"-28UNF	50X4X9.53

AG4



SI-NO.	Switch type	Description	Spindle size	Disc size
AG4-E2P	Palm grip-safety lever(P)	4"Angle Disc Grinder	Φ15.8-3/8-24UNF	100X6X15.8
AG4-A2P	Palm grip-safety lever(P)	4"Angle Disc Grinder	Φ15.8-M8-1.25	100X6X15.8
AG4-A2PJ	Palm grip-safety lever(P)	4"Angle Disc Grinder	Φ15-M8-1.25	100X6X15
AG4-A2RJ	Rotary twist switch(R)	4"Angle Disc Grinder	Φ15-M8-1.25	100X6X15
AG4-A2R	Rotary twist switch(R)	4"Angle Disc Grinder	Φ15.8-M8-1.25	100X6X15.8
AG4-A2LJ	Long grip-safety lever(L)	4"Angle Disc Grinder	Φ15-M8-1.25	100X6X15
AG4-A2L	Long grip-safety lever(L)	4"Angle Disc Grinder	Φ15.8-M8-1.25	100X6X15.8
AG4-E2L	Long grip-safety lever(L)	4"Angle Disc Grinder	Φ15.8-3/8-24UNF	100X6X15.8

AG5



SI-NO.	Switch type	Description	Spindle size	Disc size
AG5-E3P	Palm grip-safety lever(P)	5"Angle Disc Grinder	Φ22.2-M14-2	125X6/22.2
AG5-E4P	Palm grip-safety lever(P)	5"Angle Disc Grinder	Φ22.2-5/8-11UNC	125X6/22.2
AG5-A3P	Palm grip-safety lever(P)	5"Angle Disc Grinder	Φ22.2-M8-1.25	125X6/22.2
AG5-A3R	Rotary twist switch(R)	5"Angle Disc Grinder	Φ22.2-M8-1.25	125X6/22.2
AG5-E3L	Long grip-safety lever(L)	5"Angle Disc Grinder	Φ22.2-M14-2	125X6/22.2
AG5-E4L	Long grip-safety lever(L)	5"Angle Disc Grinder	Φ22.2-5/8-11UNC	125X6/22.2
AG5-A3L	Long grip-safety lever(L)	5"Angle Disc Grinder	Φ22.2-M8-1.25	125X6/22.2

AG7



SI-NO.	Switch type	Description	Spindle size	Disc size
AG7-A4R	Rotary twist switch(R)	7"Angle Disc Grinder	Φ22.2-1/2-16UN	180X6X22.2
AG7-A4L	Long grip-safety lever(L)	7"Angle Disc Grinder	Φ22.2-1/2-16UN	180X6X22.2
AG7-E5L	Long grip-safety lever(L)	7"Angle Disc Grinder	Φ22.2-5/8-11UNC	180X6X22.2

STRAIGHT GRINDERS.....10Page

SG3



SI-NO.	Switch type	Description	Spindle size	Disc size
SG3-2L	Safety lever(L)	2.5"Straight Disc Grinder	Φ9.53-W3/8-16	65 X 13 X 9.53
SG3-3L	Safety lever(L)	3"Straight Disc Grinder	Φ9.53-W3/8-16	75 X 13 X 9.53
SG3-2R	Rotary twist switch(R)	2.5"Straight Disc Grinder	Φ9.53-W3/8-16	65 X 13 X 9.53
SG3-3R	Rotary twist switch(R)	3"Straight Disc Grinder	Φ9.53-W3/8-16	75 X 13 X 9.53

DIE GRINDERS

COLLET TYPE.....10Page

AG2



SI-NO.	Switch type	Description	Spindle size	Collet size
AG2-C2P-6	Palm grip-safety lever(P)	Angle Die Grinder	W3/8-16	6mm
AG2-C2P-Q	Palm grip-safety lever(P)	Angle Die Grinder	W3/8-16	1/4"
AG2-C2R-6	Rotary twist switch(R)	Angle Die Grinder	W3/8-16	6mm
AG2-C2R-Q	Rotary twist switch(R)	Angle Die Grinder	W3/8-16	1/4"

SG3



SI-NO.	Switch type	Description	Spindle size	Collet size
SG3-CL-6	Safety lever(L)	Straight Die Grinder	W3/8-24UNF	6mm
SG3-CL-Q	Safety lever(L)	Straight Die Grinder	W3/8-24UNF	1/4"
SG3-CR-6	Rotary twist switch(R)	Straight Die Grinder	W3/8-24UNF	6mm
SG3-CR-Q	Rotary twist switch(R)	Straight Die Grinder	W3/8-24UNF	1/4"

DUAL ACTION SANDER11Page



SI-NO.	Switch type	Description	Paper size
DS6-5L	Short lever	Dual Action Sander	125 φ mm New

DIE GRINDERS.....12~13Page



Angle Model

SI-NO.	Switch type	Description	Collet size
AG20E-6L-6	Safety lever(L)	Angle Die Grinder	6mm
AG20E-6L-Q	Safety lever(L)	Angle Die Grinder	1/4"
AG20E-6R-6	Rotary twist switch(R)	Angle Die Grinder	6mm New
AG20E-6R-Q	Rotary twist switch(R)	Angle Die Grinder	1/4" New

Light Model

SI-NO.	Switch type	Description	Collet size
SG20E-6L-6	Safety lever(L)	Die Grinder	6mm
SG20E-6L-Q	Safety lever(L)	Die Grinder	1/4"
SG20E-6LL-6	Safety lever(L)	5"EXT Die Grinder	6mm
SG20E-6LL-Q	Safety lever(L)	5"EXT Die Grinder	1/4"
SG20E-6R-6	Rotary twist switch(R)	Die Grinder	6mm New
SG20E-6R-Q	Rotary twist switch(R)	Die Grinder	1/4" New
SG20E-6RL-6	Rotary twist switch(R)	5"EXT Die Grinder	6mm New
SG20E-6RL-Q	Rotary twist switch(R)	5"EXT Die Grinder	1/4" New

Standard Model

SI-NO.	Switch type	Description	Collet size
SG40E-6L-6	Safety lever(L)	Die Grinder	6mm
SG40E-6L-Q	Safety lever(L)	Die Grinder	1/4"
SG40E-6LL-6	Safety lever(L)	5"EXT Die Grinder	6mm
SG40E-6LL-Q	Safety lever(L)	5"EXT Die Grinder	1/4"

Power Model

SI-NO.	Switch type	Description	Collet size
SG60E-6L-6	Safety lever(L)	Die Grinder	6mm
SG60E-6L-Q	Safety lever(L)	Die Grinder	1/4"
SG60E-6LL-6	Safety lever(L)	5"EXT Die Grinder	6mm
SG60E-6LL-Q	Safety lever(L)	5"EXT Die Grinder	1/4"

EDGE CUTTERS.....14~15Page



High Power Model

SI-NO.	Switch type	Description	Carbide tip type
4010	Rotary twist switch	Edge Cutter	R3 or C3
4010L	Safety lever(L)	Edge Cutter	R3 or C3

Light Model

SI-NO.	Switch type	Description	Carbide tip type
4011	Rotary twist switch	Edge Cutter	R3 or C3
4011L	Safety lever(L)	Edge Cutter	R3 or C3

SHINANO INC. concepts
for the Industrial range
products are ;

- Productivity
- Accessibility
- Ergonomics
- Durability
- Safety

We SHINANO INC. were established in 1949
and specaalized our SI brand air tools in 1969.
Over 45 years, we have been developing our
skills for your trust and satisfaction.
Now, we are introducing our Indutrial range
products for heavy-duty users.

Target market



Air craft



Shipyard



construction



Bridge



Welding

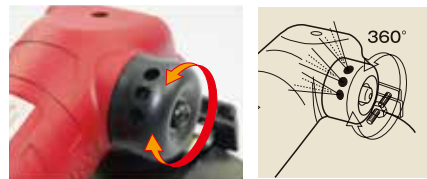
The Industrial range products have improved
150% on the accuracy compare with our
automotive range products.

ISO 9001 certificated



Adjustable Silencer

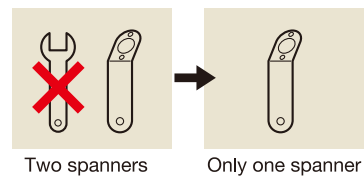
The 4", 5" & 7" Industrial Angle Grinders feature front mounted 360 degree adjustable silencers. This enables directional control of exhaust air.



Spindle Lock



The 2", 4", 5" & 7" Industrial Angle Grinders feature a Spindle lock button for quick and easy grinding disc replacement.



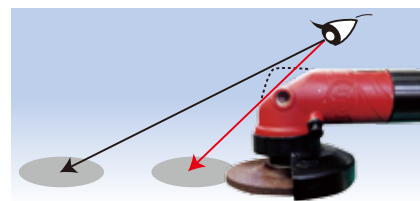
High Precision Bearings & Gears

The Shinano Industrial range has been designed with new high tolerance bearings offering low noise and vibration levels and superior performance at high speeds. Precisely ground transmission gears are made from high grade nickel-chromium molybdenum steel with a specialised hardening process. These high quality specifications allow for a more compact design while maintaining heavy duty performance.

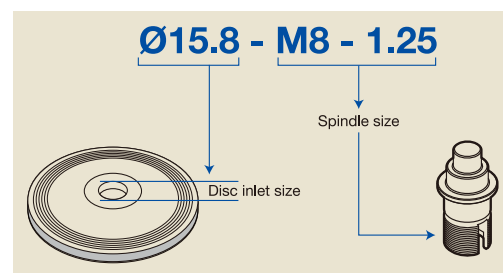


Low Profile Gearbox

Low Profile gearbox greatly increases the operators view of the work area.



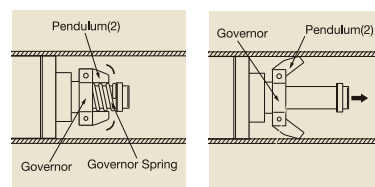
SPINDLE TYPE & SIZE



Governed Motor



Speed governed motor delivers both higher torque levels and optimal disc RPM for optimum grinding performance.



Switch Type



Palm grip-safety lever(P)

The safety lever protects from inadvertent starting. When the lever is released, the lever will be locked automatically.



Rotary twist switch(R)

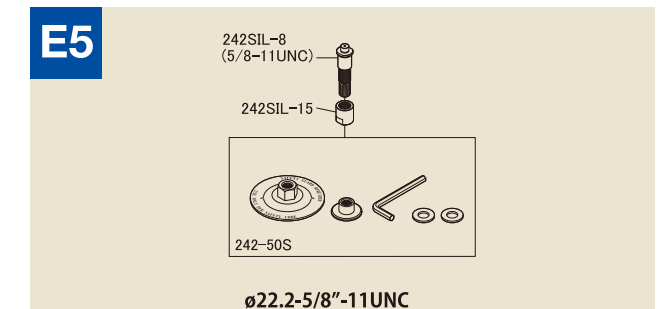
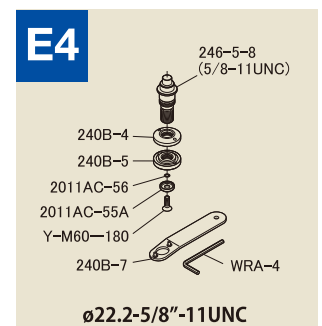
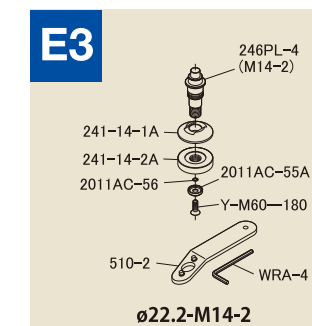
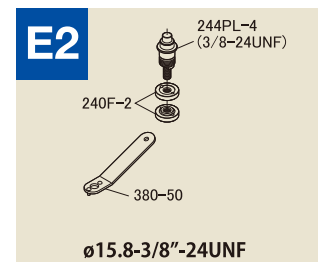
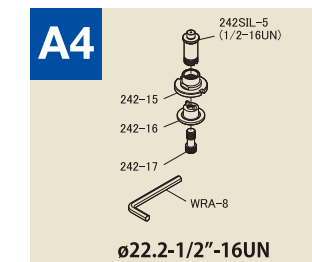
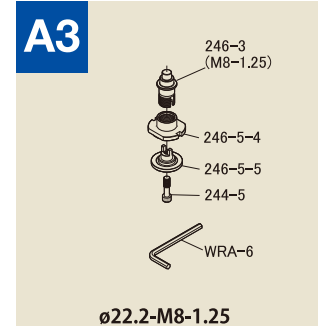
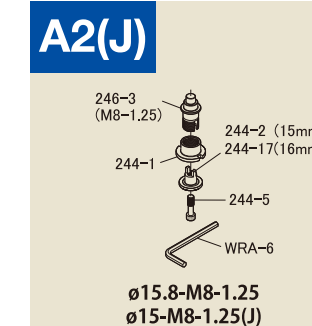
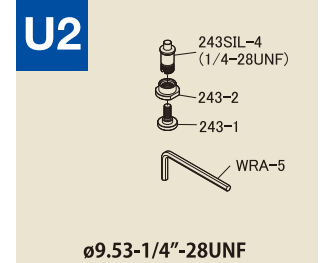
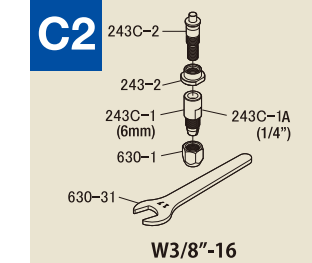
Twist Switch is suitable for Continuous operation. No switch stress to operators.



Long grip-safety lever(L)

The same safety lever system of palm grip. The distance between Wheel and handle is longer than Palm Grip type. It is more safety.

Spindle Type



Products No.

AG type		SG type	
S I - A G 4 - A 2 R -		S I - S G 3 - C R	
A	G Grinder	S	G Grinder
	2 Disc size : 2 inch. = 50mm		R Rotary twist switch
	4 Disc size : 4 inch. = 100mm		P Palm grip-safety lever
	5 Disc size : 5 inch. = 125mm		L Long grip-safety lever
	7 Disc size : 7 inch. = 180mm		C Collet Die Grinder
J ø15mm (Diameter of disc hole)		2 Disc size : 2.5 inch. = 65mm	
R Rotary twist switch		3 Disc size : 3 inch. = 75mm	
P Palm grip-safety lever			
L Long grip-safety lever			



Ergonomic Handle

It is good feeling for operating with soft grip.

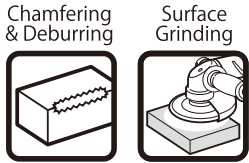
DISC GRINDER

2'' & 4'' ANGLE DISC GRINDER

2'' (50mm) ANGLE DISC GRINDER

 **SPINDLE TYPE**

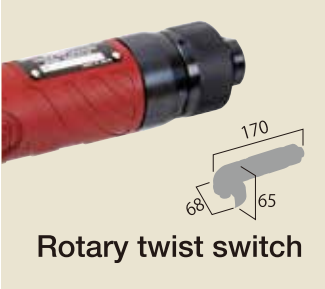
U2 Ø 9.53 - 1/4" - 28UNF



SI-AG2-U2P



SI-AG2-U2R



Option Attachment

Parts No.243-30



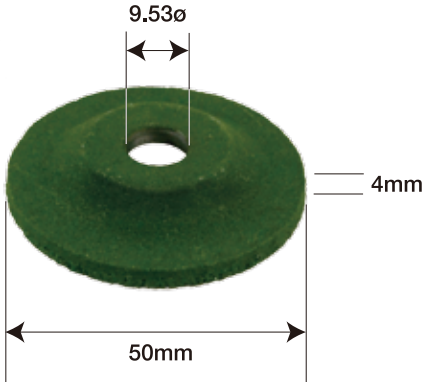
Option Disc Pad

Parts No.129-100

Option Attachment

Parts No.243-W50

Disc Size : 50×4×9.53mm



Specifications

SI-No.	Free Speed (rpm)	Motor Watt (w)	Noise Level (db) Press/Power	Air Consumption (L/sec)	Air Inlet Size (inch)	Length (mm)	Width (mm)	Height (mm)	Weight (g)
SI-AG2-U2P	15,000	240	84/95	8.67	1/4	170	68	65	630
SI-AG2-U2R	15,000	240	84/95	8.67	1/4	170	68	65	640

Noise levels according to ISO 15744:2008,ISO 11203:2009

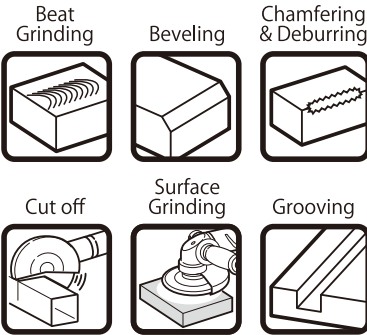
4'' (100mm) ANGLE DISC GRINDER

 **SPINDLE TYPE**

A2 Ø 15.8 - M8 - 1.25

E2 Ø 15.8 - 3/8" - 24UNF

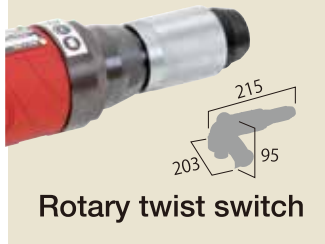
A2(J) Ø 15 - M8 - 1.25



SI-AG4-E2P
SI-AG4-A2P
SI-AG4-A2PJ



SI-AG4-A2RJ
SI-AG4-A2R



SI-AG4-A2LJ
SI-AG4-A2L
SI-AG4-E2L



Standard Accessorie

Parts No.240-71E

Disc Size : 100×6×15.8mm
※This grinding stone is not attached to "J-type".

J-type : SI-AG4-A2PJ, SI-AG4-A2RJ, SI-AG4-A2LJ
Disc Size : 100×6×15mm

Specifications

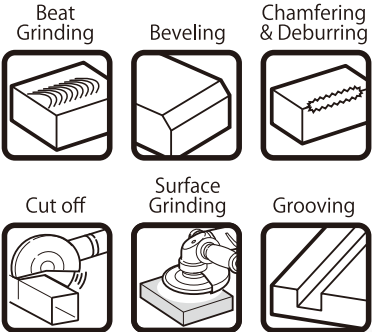
SI-No.	Free Speed (rpm)	Motor Watt (w)	Noise Level (db) Press/Power	Vibration(m/s²)		Air Consumption (L/sec)	Air Inlet Size (inch)	Length (mm)	Width (mm)	Height (mm)	Weight (g)
				a Body/Grip	K Body/Grip						
SI-AG4-E2P	13,500	600	84/95	5.54/13.9	1.8/4.51	9.67	1/4	214	203	95	1890
SI-AG4-A2P	13,500	600	84/95	5.54/13.9	1.8/4.51	9.67	1/4	214	203	95	1880
SI-AG4-A2PJ	13,500	600	84/95	5.54/13.9	1.8/4.51	9.67	1/4	214	203	95	1880
SI-AG4-A2RJ	13,500	600	84/95	5.54/13.9	1.8/4.51	10	3/8	215	203	95	1750
SI-AG4-A2R	13,500	600	84/95	5.54/13.9	1.8/4.51	10	3/8	215	203	95	1750
SI-AG4-A2LJ	13,500	600	84/95	5.54/13.9	1.8/4.51	9	3/8	276	203	95	1890
SI-AG4-A2L	13,500	600	84/95	5.54/13.9	1.8/4.51	9	3/8	276	203	95	1890
SI-AG4-E2L	13,500	600	84/95	5.54/13.9	1.8/4.51	9	3/8	276	203	95	1900

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927-1

5'' (125mm) ANGLE DISC GRINDER

SPINDLE TYPE

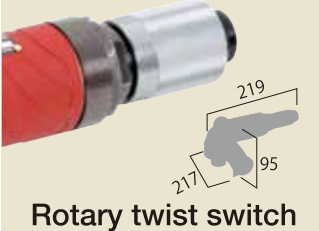
- A3 Ø 22.2 - M8 - 1.25
- E3 Ø 22.2 - M14 - 2
- E4 Ø 22.2 - 5/8'' - 11UNC



SI-AG5-E3P
SI-AG5-E4P
SI-AG5-A3P



SI-AG5-A3R



SI-AG5-E3L
SI-AG5-E4L
SI-AG5-A3L



Standard Accessorie
Parts No.241-49E
Disc Size : 125×6×22.2mm

Specifications

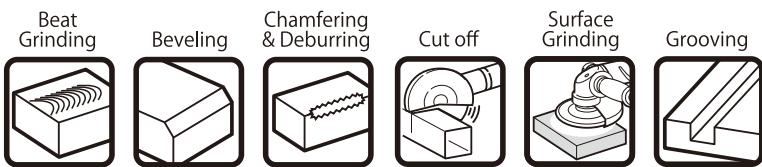
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				a Body/Grip	K Body/Grip						
SI-AG5-E3P	12,000	800	85.5/96.5	7.56/18.9	2.49/6.22	12	1/4	223	217	95	2050
SI-AG5-E4P	12,000	800	85.5/96.5	7.56/18.9	2.49/6.22	12	1/4	223	217	95	2050
SI-AG5-A3P	12,000	800	85.5/96.5	7.56/18.9	2.49/6.22	12	1/4	223	217	95	2020
SI-AG5-A3R	12,000	800	85.5/96.5	7.56/18.9	2.49/6.22	14.17	3/8	219	217	95	2000
SI-AG5-E3L	12,000	800	85.5/96.5	7.56/18.9	2.49/6.22	14.67	3/8	285	217	95	2080
SI-AG5-E4L	12,000	800	85.5/96.5	7.56/18.9	2.49/6.22	14.67	3/8	285	217	95	2080
SI-AG5-A3L	12,000	800	85.5/96.5	7.56/18.9	2.49/6.22	14.67	3/8	285	217	95	2040

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927-1

7'' (180mm) ANGLE DISC GRINDER

SPINDLE TYPE

- A4 Ø 22.2 -1/2'' - 16UN
- E5 Ø 22.2 - 5/8'' - 11UNC



For USA Market



SI-AG7-E5L

Standard Accessorie
Parts No.280-28E
Disc Size : 180×6×22.2mm

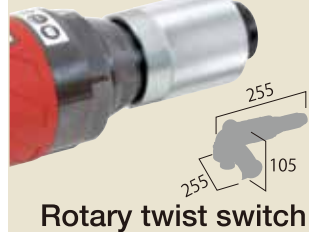


Specifications

SI-No.	Free Speed (rpm)	Motor Watt (w)	Noise Level (db) Press/Power	Vibration(m/s²)		Air Consumption (L/sec)	Air Inlet Size (inch)	Length (mm)	Width (mm)	Height (mm)	Weight (g)
				a Body/Grip	K Body/Grip						
SI-AG7-A4R	7,600	1,000	84.5/95.5	4.32/6.65	1.39/2.14	9.17	3/8	255	255	105	2900
SI-AG7-A4L	7,600	1,000	84.5/95.5	4.32/6.65	1.39/2.14	8.5	3/8	312	255	105	2880
SI-AG7-E5L	7,600	1,000	84.5/95.5	4.32/6.65	1.39/2.14	8.5	3/8	312	260	135	3300

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927-1

SI-AG7-A4R



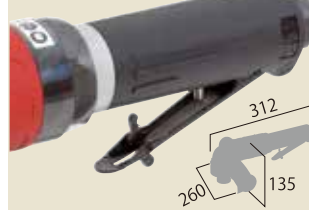
Rotary twist switch

SI-AG7-A4L



Long grip-safety lever

SI-AG7-E5L



Long grip-safety lever

DISC & DIE GRINDER

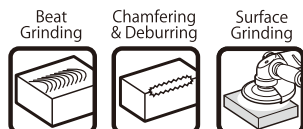
STRAIGHT & COLLET TYPE

STRAIGHT TYPE DISC GRINDER



SPINDLE TYPE

Ø 9.53 - W3/8" - 16



Option Accessorie

Parts No.630-W65

Disc Size :
65×13×9.53mm
(SI-SG3-2R & SI-SG3-2L)

Specifications

Option Accessorie

Parts No.630-W75

Disc Size :
75×13×9.53mm
(SI-SG3-3R & SI-SG3-3L)

SI-SG3-2L



Palm grip-safety lever

SI-SG3-3L



Palm grip-safety lever

SI-SG3-2R



Rotary twist switch

SI-SG3-3R



Rotary twist switch

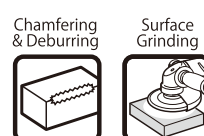
SI-No.	Free Speed (rpm)	Motor Watt (w)	Noise Level (db) Press/Power	Vibration(m/s²)		Air Consumption (L/sec)	Air Inlet Size (inch)	Length (mm)	Width (mm)	Height (mm)	Weight (g)
				a	K						
SI-SG3-2L	14,600	520	83.5/94.5	2.86	0.78	6.67	1/4	316	82	95	1660
SI-SG3-3L	12,700	520	83.5/94.5	2.86	0.78	5.17	1/4	316	95	102	1685
SI-SG3-2R	14,600	520	83.5/94.5	2.86	0.78	7.5	3/8	316	82	65	1520
SI-SG3-3R	12,700	520	83.5/94.5	2.86	0.78	5.67	3/8	316	95	72	1545

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927-1

COLLET TYPE DIE GRINDER

COLLET TYPE

Ø 6mm or 1/4"



Option Attachment

Parts No.129-101(6mm)

Parts No.129-102(1/4")



Option Disc Pad

Parts No.129-100



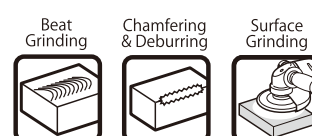
SI-AG2-C2P-6 SI-AG2-C2P-Q



Palm grip-safety lever

COLLET TYPE

Ø 6mm or 1/4"



Slimline Shaft

The mid-mounted bearing assembly and extended drive shaft design allows access to confined areas where heavy duty cutting power is needed.

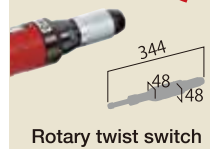


SI-SG3-CL-6 SI-SG3-CL-Q



Palm grip-safety lever

SI-SG3-CR-6 SI-SG3-CR-Q



Rotary twist switch

Specifications

SI-No.	Free Speed (rpm)	Motor Watt (w)	Noise Level (db) Press/Power	Vibration(m/s²)		Air Consumption (L/sec)	Air Inlet Size (inch)	Length (mm)	Width (mm)	Height (mm)	Weight (g)
				a	K						
SI-AG2-C2P	15,000	240	84/95	7.97	1.28	8.67	1/4	170	56	90	640
SI-AG2-C2R	15,000	240	84/95	7.97	1.28	8.67	1/4	157	56	90	650
SI-SG3-CL	14,000	520	83.5/94.5	2.86	0.78	6.17	1/4	346	48	78	1530
SI-SG3-CR	14,000	520	83.5/94.5	2.86	0.78	6.33	3/8	344	48	48	1400

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927:12

DUAL ACTION SANDER

SI-DS6-5L

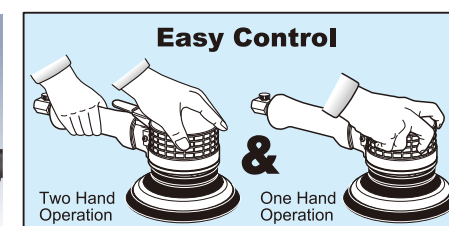
PAD TYPE

5" Leather Pad or 5" Velcro Pad

New

Features

- Large size motor generate high abrasive power and high free speed 11,200 r.p.m.
- Reduced vibration thanks to wide random shaft.
- Ergonomic grip for easy operation.
- short throttle lever makes you feel that the tool is light weight.
- Safety cover mounted for safety use.



The short throttle lever close to center of gravity. Also,easy for one-hand operation.

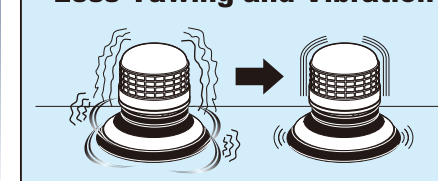


Wide random shaft reduce the yawing and vibration.

Wide random shaft



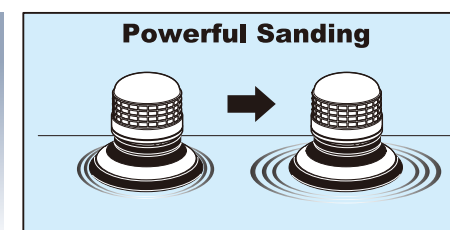
Less Yawing and Vibration



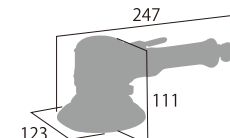
The steel balancer enhance the durability and stable balance.



Steel Balancer



Powerful Sanding



Specifications

SI-No.	Pad/Disc Size (mm/in)	Spindle Size	Orbit Dia (mm)	Free Speed (rpm)	Out Put Watt	Weight (kg)	Noise Level dBA/power	Vibration a/k m/s²	Air Consumption (L/sec)
SI-DS6-5L	125(5")	5/16-24UNF	6	11,200	485	1.54	88.7/(99.7)	7.16/1.36	10

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927:12

High Spec Collet

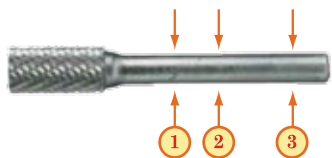


High Spec Collet
Grips at 3 locations.



Standard Collet
Grips at 1 location.

Conventional die grinder collets grip the burr in only one location leaving it susceptible to the effects of "Centre Runout" vibration. The High Spec Collet utilizes its entire length to grip the burr shank, aligning it with the centre of rotation. This reduces vibration which in turn improves control and comfort for the operator and extends the service life of the burr. This is particularly useful when using extended or oversize burrs.



Gears



High Precision Bearings & Gears

The Shinano Industrial range has been designed with new high tolerance bearings offering low noise and vibration levels and superior performance at high speeds. Precisely ground transmission gears are made from high grade nickel-chromium molybdenum steel with a specialised hardening process. These high quality specifications allow for a more compact design while maintaining heavy duty performance.

Safety Lever



The safety lever protects from inadvertent starting. When the lever is released, the lever will be locked automatically.

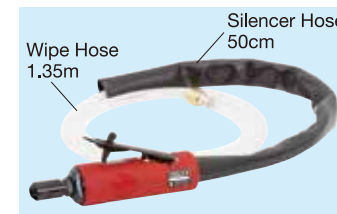
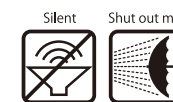
Rotary Twist Switch(R)



Rotary Twist Switch is suitable for Continuous operation. No switch stress to operators.

Silencer Hose

In addition to significantly reduced noise levels, the 50 cm silencer hose will also ensure that moisture and oil that may be present in exhaust air are directed away from the work area.



Rubberised Extension Tube

All LL series extended die grinders feature a rubberized section of the extension tube which provides extra grip and protection against scuffing of the work piece.

SI-SG20E-6RL-6 (6mm collet) SI-SG20E-6RL-Q (1/4" collet) **New**



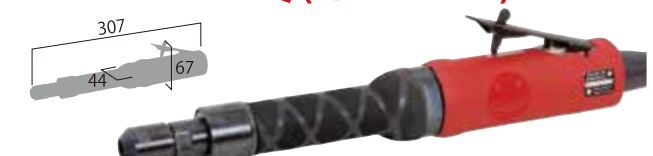
Free Speed.....	26,000 rpm	(Body/Grip)	
Motor watt.....	150 w	Vibration.....	a=2.01/3.2 m/s ²
Weight.....	810 g		K=0.69/0.81 m/s ²
Air Consumption.....	5.00 L/sec	Noise (Press).....	77.5 db
Air Inlet Size.....	1/4 "	Noise (Power).....	88.5 db

SI-SG20E-6LL-6 (6mm collet) SI-SG20E-6LL-Q (1/4" collet)



Free Speed.....	28,000 rpm	(Body/Grip)	
Motor watt.....	180 w	Vibration.....	a=2.01/3.2 m/s ²
Weight.....	680 g		K=0.69/0.81 m/s ²
Air Consumption.....	6.83 L/sec	Noise (Press).....	77.5 db
Air Inlet Size.....	1/4 "	Noise (Power).....	88.5 db

SI-SG40E-6LL-6 (6mm collet) SI-SG40E-6LL-Q (1/4" collet)



Free Speed.....	25,000 rpm	(Body/Grip)	
Motor watt.....	450 w	Vibration.....	a=2.66/3.44 m/s ²
Weight.....	1,120 g		K=0.76/0.92 m/s ²
Air Consumption.....	12.5 L/sec	Noise (Press).....	83 db
Air Inlet Size.....	1/4 "	Noise (Power).....	94 db

SI-SG60E-6LL-6 (6mm collet) SI-SG60E-6LL-Q (1/4" collet)



Free Speed.....	25,000 rpm	(Body/Grip)	
Motor watt.....	650 w	Vibration.....	a=2.44/4.28 m/s ²
Weight.....	1,190 g		K=0.74/0.92 m/s ²
Air Consumption.....	13.83 L/sec	Noise (Press).....	80.5 db
Air Inlet Size.....	1/4 "	Noise (Power).....	91.5 db

SI-AG20E-6L-6 (6mm collet) SI-AG20E-6L-Q (1/4" collet)



Free Speed.....	20,000 rpm	Noise (Press).....	75.5 db
Motor watt.....	200 w	Noise (Power).....	86.5 db
Weight.....	570 g	Air Consumption.....	6.83 L/sec
Vibration.....	a=2.74 m/s ² K=0.77 m/s ²	Air Inlet Size.....	1/4 "

SI-AG20E-6R-6 (6mm collet) SI-AG20E-6R-Q (1/4" collet) **New**



Free Speed.....	20,000 rpm	Noise (Press).....	75.5 db
Motor watt.....	160 w	Noise (Power).....	86.5 db
Weight.....	700 g	Air Consumption.....	5.25 L/sec
Vibration.....	a=2.74 m/s ² K=0.77 m/s ²	Air Inlet Size.....	1/4 "

SI-SG20E-6L-6 (6mm collet) SI-SG20E-6L-Q (1/4" collet)



Free Speed.....	28,000 rpm	Noise (Press).....	75 db
Motor watt.....	180 w	Noise (Power).....	86 db
Weight.....	380 g	Air Consumption.....	6.83 L/sec
Vibration.....	a=2.81 m/s ² K=0.77 m/s ²	Air Inlet Size.....	1/4 "

SI-SG20E-6R-6 (6mm collet) SI-SG20E-6R-Q (1/4" collet) **New**



Free Speed.....	26,000 rpm	Noise (Press).....	75 db
Motor watt.....	150 w	Noise (Power).....	86 db
Weight.....	510 g	Air Consumption.....	5.00 L/sec
Vibration.....	a=2.81 m/s ² K=0.77 m/s ²	Air Inlet Size.....	1/4 "

SI-SG40E-6L-6 (6mm collet) SI-SG40E-6L-Q (1/4" collet)



Free Speed.....	25,000 rpm	Noise (Press).....	73.5 db
Motor watt.....	450 w	Noise (Power).....	84.5 db
Weight.....	650 g	Air Consumption.....	12.5 L/sec
Vibration.....	a=4.21 m/s ² K=0.55 m/s ²	Air Inlet Size.....	1/4 "

SI-SG60E-6L-6 (6mm collet) SI-SG60E-6L-Q (1/4" collet)



Free Speed.....	25,000 rpm	Noise (Press).....	81.5 db
Motor watt.....	650 w	Noise (Power).....	92.5 db
Weight.....	710 g	Air Consumption.....	13.83 L/sec
Vibration.....	a=3.93 m/s ² K=0.88 m/s ²	Air Inlet Size.....	1/4 "

Market segments

For Shipyard



For Construction



For Bridge



IMO PSPC

The Shinano carbide tipped edge cutter is a superior edge finishing solution when compared to conventional edge grinding methods. It can quickly and easily machine consistent beveled or radiused edges that meet and exceed the IMO's PSPC regulations for surface preparation and is suitable for use on aluminium, structural grade steel and most types of stainless steel.

Features

Safety cutting method

•The edge cutters are cutting the seat metal with hard tip. It is different method of working between the grinders, reduced sparking and rounded corners are safety since risk of injury.

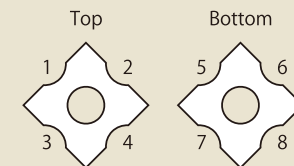
High quality welding seam

•The high quality of the welding seam is a particular advantage. Only one step, that is no need for refreshing and no any working. With our edge cutters can produce clean, burr-free and oxide-free finished edges.

Original Carbide Tip

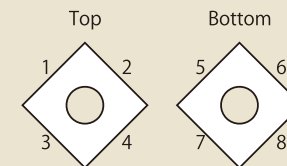
The router head features three cutting tips for hight stock removal. Each tip gives 8 cutting edges offering a long and economical service life.

R3 Carbide Tip for rounding the edges
Parts No.693-17GS



8 position(it can use 8 times)

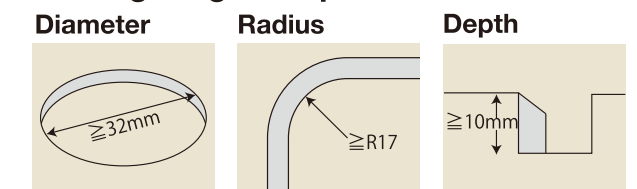
C3 Carbide Tip for radiusing the edges
Parts No.693-39GS



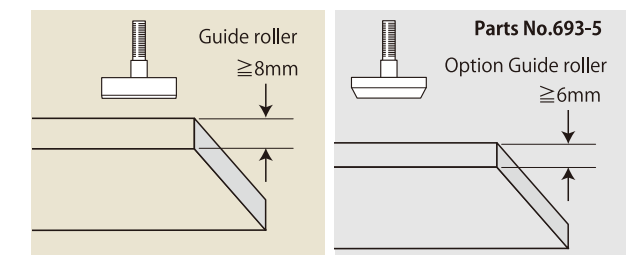
Superior Edge Finishing



Cutting range of Operation



Thickness



SI-4010L

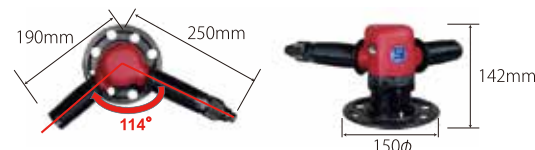
Free Speed..... 10,000 rpm
Motor watt..... 900 w
Weight..... 3,300 g
Air Consumption.... 16.00 L/sec
Air Inlet Size..... 1/4 "

SI-4010



Free Speed..... 10,000 rpm
Motor watt..... 900 w
Weight..... 3,360 g
Air Consumption.... 16.00 L/sec
Air Inlet Size..... 1/4 "

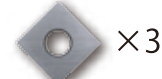
High Power Model



Standard Carbide tips
Parts No.693-17GS



Optional Carbide tips
Parts No.693-39GS



SI-4011L

Free Speed..... 10,000 rpm
Motor watt..... 600 w
Weight..... 2,200 g
Air Consumption.... 13.67 L/sec
Air Inlet Size..... 1/4 "

SI-4011



Free Speed..... 10,000 rpm
Motor watt..... 600 w
Weight..... 2,280 g
Air Consumption.... 13.67 L/sec
Air Inlet Size..... 1/4 "

Light Model



Standard Carbide tips
Parts No.693-17GS



Optional Carbide tips
Parts No.693-39GS

