

BACK

M

**AIR AND ELECTRIC
TOOLS**



AIR IMPACT WRENCH



• Extra Light Weight Type

Model	Capacity (Bolt Dia.) mm	Square Drive mm	Revolution (No-Load) rpm	Air Consumption m ³ /min	Air Hose Inside Dia. mm	Overall Length mm	Weight kg
AW-1600VPU	16	12.7	7,200	0.4	6.35	171	1.89
AW-1600VPLU	16		7,200	0.4	6.35	199	1.95
AW-3800VPU	39	25.4	3,200	0.7	9.5	264	6.9
AW-3800VU	39		3,200	0.7	9.5	356	7.5
AW-4800VLU	48		3,200	1	12.7	559	12.8

• Light Weight Type

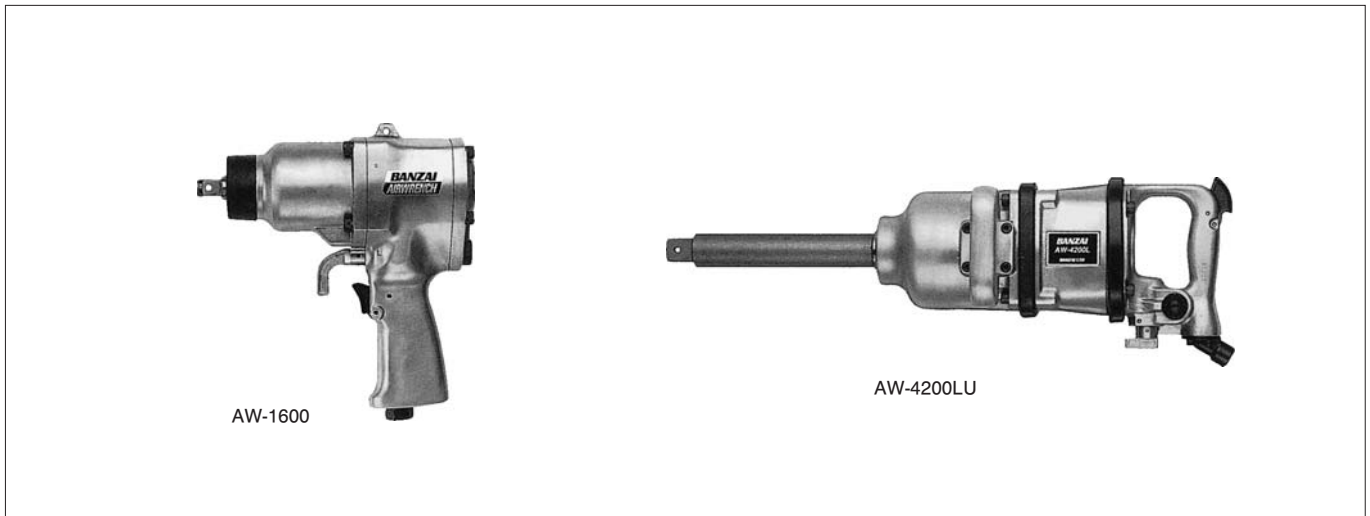


Model	Capacity (Bolt Dia.) mm	Square Drive mm	Revolution (No-Load) rpm	Air Consumption m ³ /min	Air Hose Inside Dia. mm	Overall Length mm	Weight kg	Accessory of Sockets
AW-2000PF	20	19.0	5,500	0.48	9.5	210	3.5	L19, 21, 23, 26
AW-2000PFU								-
AW-2500PF	25	19.0	3,200	0.7	9.5	242	6.2	L27, 30, 32
AW-2500PFU								-
AW-2500LF	25	19.0	3,200	0.7	9.5	478	7.3	35, 38, S17, 20
AW-2500LFU								-
AW-3800PF	38	25.4	3,800	0.8	12.7	251	9.2	L27, 30, 32
AW-3800PFU								-
AW-4200PF	42	25.4	2,500	1.0	12.7	296	11.5	L27, 30, 32
AW-4200PFU								-
AW-4200LF	42	25.4	3,200	1.0	12.7	559	13.3	41, S21
AW-4200LFU								-

L : Long Sockets, S : Square Sockets








AIR IMPACT WRENCH

- Standard Type



Model	Capacity (Bolt Dia.) mm	Square Drive mm	Revolution (No-Load) rpm	Air Consumption m ³ /min	Air Hose Inside Dia. mm	Overall Length mm	Weight kg	Accessory of Sockets
AW-1400P	14	12.7	7,000	0.35	6.35	182	2.25	14, 17, 21
AW-1400PU								—
AW-1600	16	12.7	6,300	0.42	6.35	197	3.0	L14, 17, 19, 21, 23
AW-1600T								14, 17, 19, 21, 23
AW-1600U								—
AW-2000P	20	19.0	5,000	0.45	9.5	240	4.3	L19, 21, 23, 26
AW-2000PU								—
AW-4200P	42	25.4	2,500	1.0	12.7	316	14.2	L26, 29, 32
AW-4200PU								—
AW-4200L	42	25.4	3,200	1.0	12.7	597	15.9	38, 41, S21
AW-4200LU								—

L : Long Sockets, S : Square Sockets

Model	Recommended Usage							
		Tire Mounting and Demounting	Assembling and Taking Apart a car	Body Repair	U-bolt	Shock Absorber	Engin Maintenance	General Machinry
AW-1600VPU/VPLU	•	•	•	•	•	•	•	•
AW-4800VLU	•	•	•	•	•	•	•	•
AW-2000PF/PFU	•	•	•	•	•	•	•	•
AW-2500PF/PFU	•	•	•	•	•	•	•	•
AW-2500LF/LFU	•	•	•	•	•	•	•	•
AW-3800PF/PFU AW-4200PF/PFU	•	•	•	•	•	•	•	•
AW-4200LF/LFU	•	•	•	•	•	•	•	•
AW-1400P/PU	•	•	•	•	•	•	•	•
AW-1600/T-U	•	•	•	•	•	•	•	•
AW-1600N	•	•	•	•	•	•	•	•
AW-2000P/PU	•	•	•	•	•	•	•	•
AW-4200L/LU	•	•	•	•	•	•	•	•

IMPACT WRENCH HOLDER



Model	AWH-21	
Type	Link Mechanism (by Shock Absorber)	
Application	Air Impact Wrench	
Working Level	Weight 6 – 18kg	
Air Inlet	Over Floor 172 – 731mm	
Air Outlet	3/8 plug	
Dimensions	mm	W 430 × D 794 × H 920
Weight	kg	40

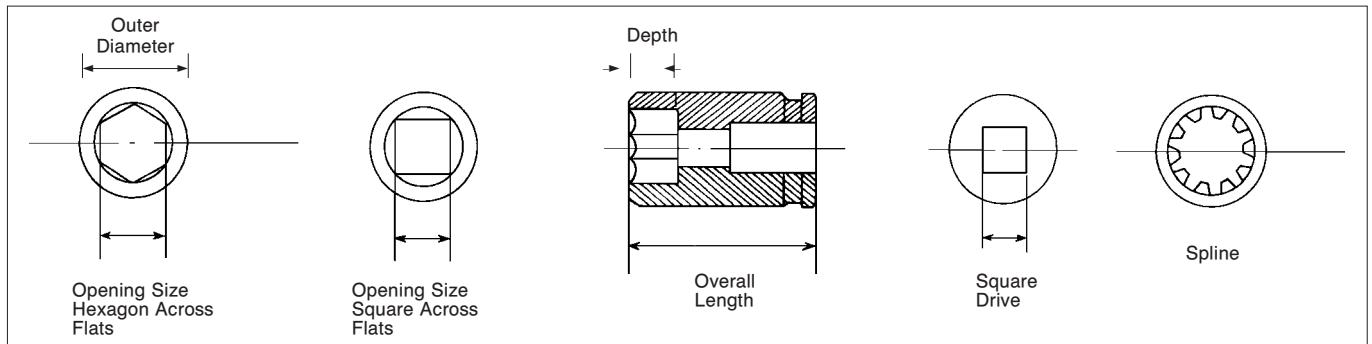
COMBINATION SOCKET FOR IMPACT WRENCH



It's much easy to change tyres of middle and large vehicles. These sockets can be used for both of inner nut and outer nut.

Model	Square Drive mm	Size (6 × 4) mm	Overall Length mm	Hexagon Outer Dia. mm	Hexagon Depth mm
6-3217W	19.0	32 × 17	78	47	14
6-3517W	19.0	35 × 17	80	51	13
6-3820W	19.0	38 × 20	80	56	13
6-4119W	19.0	41 × 19	86	59	14
6-4120W	19.0	41 × 20	86	59	14
6-4121W	19.0	41 × 21	86	59	14
8-3517W	25.4	35 × 17	85	52	13
8-3820W	25.4	38 × 20	85	56	13
8-4119W	25.4	41 × 19	90	59	14
8-4121W	25.4	41 × 21	90	59	14
1/1WBQ-S	8-3517W – 4121W (4pcs./set)				

SOCKET FOR IMPACT WRENCH



• 9.5mm Square Drive

Model	Opening Size Across Flats mm	Overall Length mm	Outer Dia. mm	Depth mm
3-7	7	32	12	5
3-8	8	32	13	5
3-9	9	32	14.5	6
3-10	10	32	16	7
3-11	11	32	17.5	7
3-12	12	32	19	8
3-13	13	32	20	8
3-14	14	34	22	8
3-17	17	34	25.5	10

• 12.7mm Square Drive

Model	Opening Size Across Flats mm	Overall Length mm	Outer Dia. mm	Depth mm
4-9	9	35	16	6
4-10	10	35	17.5	7
4-11	11	35	19	8
4-12	12	35	20.5	8
4-13	13	35	21	8
4-14	14	38	23	9
4-17	17	38	27	10
4-19	19	40	30	12
4-21	21	40	33	14
4-22	22	43	34	14
4-23	23	43	35	14
4-24	24	43	36.5	14
4-26	26	45	39	15
4-27	27	45	40	15
4-29	29	45	43	16
4-30	30	47	44	18
4-32	32	47	47	18
4-10L	10	52	16.5	15
4-11L	11	52	18	15
4-12L	12	52	19.5	15
4-13L	13	52	20.5	15
4-14L	14	52	22	17
4-17L	17	52	26	17
4-19L	19	52	28	17
4-21L	21	52	31.5	17
4-22L	22	52	33	20
4-23L	23	52	34	20
4-24L	24	52	35.5	20
4-26L	26	75	38	20
4-27L	27	75	39.5	20

• 19.0mm Square Drive

Model	Opening Size Across Flats mm	Overall Length mm	Outer Dia. mm	Depth mm
6-17	17	48	27.5	10
6-19	19	48	30.5	12
6-21	21	50	33	13
6-22	22	50	34.5	14
6-23	23	50	36	14
6-24	24	53	38	14
6-26	26	53	40	15
6-27	27	53	42	15
6-29	29	55	44	16
6-30	30	55	46	16
6-32	32	55	49	18
6-33	33	55	50	19
6-34	34	55	51.5	19
6-35	35	58	53	22
6-36	36	58	54.5	22
6-38	38	60	58	23
6-41	41	60	62	23
6-17L	17	60	26	17
6-19L	19	60	29	17
6-21L	21	60	32	17
6-22L	22	60	33	20
6-23L	23	60	34.5	20
6-24L	24	60	36	20
6-26L	26	85	40	20
6-27L	27	85	41	20
6-29L	29	85	42.5	23
6-30L	30	85	44	23
6-32L	32	100	47	23
6-34L	34	100	49.5	26
6-35L	35	100	51	26
6-36L	36	100	52	26
6-38L	38	100	55	28
6-41L	41	100	59	28
6-17S	17(Sq.)	67	37.5	27(In. dia)
6-19S	19(Sq.)	67	38	29(In. dia)
6-20S	20(Sq.)	67	39.5	31(In. dia)
6-21S	21(Sq.)	67	39.5	32(In. dia)

• 25.4mm Square Drive

Model	Opening Size Across Flats mm	Overall Length mm	Outer Dia. mm	Depth mm
8-17	17	57	31	12
8-19	19	57	33.5	12
8-21	21	57	36	13
8-22	22	57	37.5	14
8-23	23	57	38.5	14
8-24	24	57	40	14
8-26	26	57	43	15
8-27	27	60	45	15
8-29	29	60	47	16
8-30	30	62	49	16
8-32	32	62	52	18
8-33	33	62	53	19
8-34	34	62	54	19

• 25.4mm Square Drive

Model	Opening Size Across Flats mm	Overall Length mm	Outer Dia. mm	Depth mm
8-35	35	62	55	19
8-36	36	62	56	19
8-38	38	72	56	26
8-41	41	80	59	26
8-46	46	72	69	26
8-50	50	75	73	28
8-54	54	80	78	31
8-55	55	80	80	31
8-58	58	80	83	31
8-60	60	80	86	32
8-63	63	80	90	34
8-65	65	85	92	36
8-17S	17(Sq.)	76	40	27(In. dia)
8-19S	19(Sq.)	76	44	29(In. dia)
8-20S	20(Sq.)	76	45	31(In. dia)
8-21S	21(Sq.)	76	47	32(In. dia)
8-17L	17	100	30	20
8-19L	19	100	32	23
8-21L	21	100	35	23
8-22L	22	100	36	23
8-23L	23	100	37	23
8-24L	24	100	38	25
8-26L	26	100	41	25
8-27L	27	100	42	26
8-29L	29	100	45	26
8-30L	30	100	46	26
8-32L	32	100	48	26
8-33L	33	100	50	26
8-34L	34	100	51	26
8-35L	35	100	52	26
8-36L	36	100	54	30
8-38L	38	100	56	30
8-41L	41	100	59	35

• Spline

Model	Opening Size Across Flats mm	Overall Length mm	Outer Dia. mm	Depth mm
SP-32	32	73	50	19
SP-35	35	73	54	22
SP-36	36	73	56	22
SP-38	38	78	56	28
SP-41	41	82	59	28
SP-17S	17(Sq.)	78	40	27(In. dia)
SP-21S	21(Sq.)	78	45	32(In. dia)

O-Ring and pin are equipped with each socket.

SUPER SLIM SOCKET FOR IMPACT WRENCH



• Semi-Long Square Drive 12.7mm

Model	Opening Size mm	Overall Length mm	Outer Dia. mm	Depth mm
4WG-10	10	60	14	15
4WG-12	12	60	17	15
4WG-13	13	60	18	15
4WG-14	14	60	20	17
4WG-17	17	60	24	17
4WG-19	19	60	26	17
4WG-21	21	60	28.5	17
4WG-22	22	60	30	20
4WG-23	23	60	31	20
4WG-24	24	60	33	20
4WG-26	26	80	35	20
4WG-27	27	80	37	20
4WG-30	30	80	41	23
4WG-32	32	80	43	23
4WG-7S	4WG-10, 12, 13, 14, 17, 19, 21 (7pcs./set)			
4WG-S	4WG-10 – 4WG-32 (14pcs./set)			

• Semi-Long Soket

Model	Square Drive mm	Opening Size mm	Overall Length mm	Outer Dia. mm	Depth mm
6WG-32	19.0	32	85	45	23
6WG-35	19.0	35	85	49	23
6WG-38	19.0	38	85	54	25
6WG-41	19.0	41	85	57	25
6WG-S	6WG-32, 35, 38, 41 (4pcs./set)				
8WG-32	25.4	32	85	45	22
8WG-35	25.4	35	85	49	24
8WG-38	25.4	38	85	54	26
8WG-41	25.4	41	85	57	26
8WG-S	8WG-32, 35, 38, 41 (4pcs./set)				

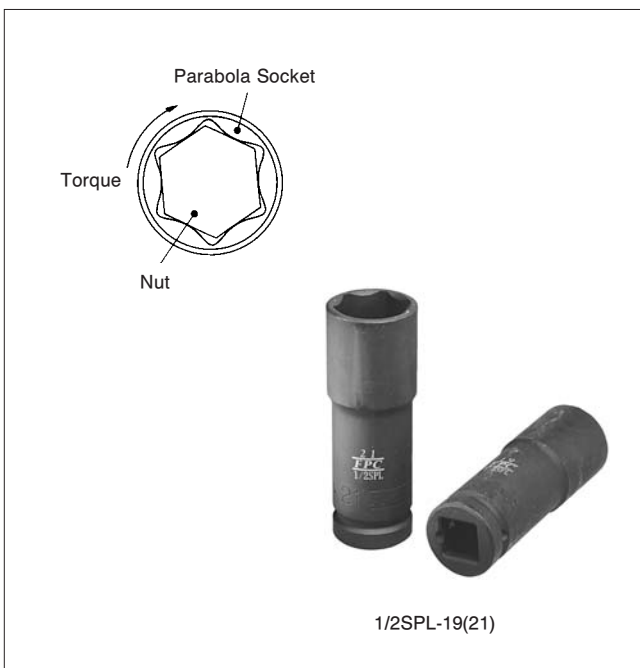
• Shallou Socket for Aluminum Wheel

8WG-41A	25.4	41	74	57	15
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• Combination Socket

8WG-4121C	25.4	41×21	91	57	14
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SLIM PARABOLA SOCKET FOR IMPACT WRENCH



Contacting with side face of nut prevent the nuts damage.

Model	Square Drive mm	Opening Size mm	Overall Length mm	Outer Dia. mm	Depth mm
1/2SPL-14	12.7	14	80	20.5	18
1/2SPL-17	12.7	17	80	24.5	20
1/2SPL-19	12.7	19	80	27	20
1/2SPL-21	12.7	21	80	29	20
1/2SPL-22	12.7	22	80	31	21
1/2SPL-23	12.7	23	80	32.5	22
1/2SPL-24	12.7	24	80	34	22
SPL-407	1/2SPL-14 – 24 (7pcs./set)				

Model	Square Drive mm	Type	Contents mm
SPL-304	9.5	Semi Long	10, 12, 14, 17
SPD-305	9.5	Long	8, 10, 12, 13, 14
SPS-405	12.7	Short	14, 17, 19, 21, 23
SPA-604	19.0	Short	22, 24, 26, 27
SPA-804	25.4	Semi Long	32, 35, 38, 41

BALL RETAINING SOCKET FOR IMPACT WRENCH



Model	Square Drive mm	Opening Size mm	Overall Length mm	Over Dia. mm	Depth mm	Remark
8-41B	25.4	41	80	59	26	Semi-Long Socket
8-21B	25.4	21	76	47	32	
8-4121WB	25.4	41×21	90	59	14	Combination Socket

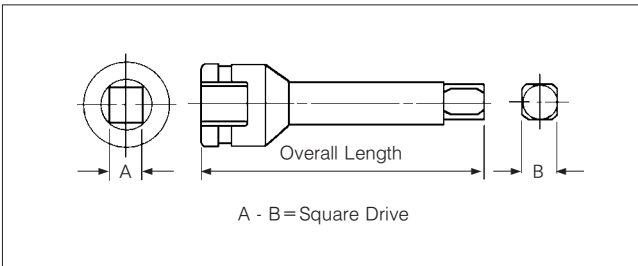
IMPACT SOCKET FOR CHROME PLATED NUT



Parabola opening and setting of rubber on the sockets bottom prevent nuts damage.

Model	Square Drive mm	Opening Size mm	Overall Length mm	Outer Dia. mm	Depth mm
1/2WM-17	12.7	17	60	25	24
1/2WM-19	12.7	19	60	27.5	27
1/2WM-21	12.7	21	60	29.5	28
1/2WM-S	1/2WM-17, 19, 21 (3pcs./set)				

EXTENSION BAR FOR IMPACT WRENCH



Model	Square Drive mm	Overall Length mm	Model	Square Drive mm	Overall Length mm
3-75E	9.5	75	6-200E	19.0	200
4-100E	12.7	100	6-250E	19.0	250
4-200E	12.7	200	8-160E	25.4	160
4-250E	12.7	250	8-200E	25.4	200
6-100E	19.0	100	8-250E	25.4	250
6-150E	19.0	150	8-300E	25.4	300

UNIVERSAL JOINT FOR IMPACT WRENCH



Model	Square Drive mm
H3-3	9.5
H4-4	12.7
iU-6	19
iU-8	25.4

ADAPTER FOR IMPACT WRENCH



Model	凹 Square Drive mm	凸 Square Drive mm	Overall Length mm
4-6AD	12.7	19.0	47
6-4AD	19.0	12.7	50
6-8AD	19.0	25.4	61
8-6AD	25.4	19.0	64
8-SAD	NO.5 Spline	25.4	69

LONG ADAPTER FOR IMPACT WRENCH



Model	凹 Square Drive mm	凸 Square Drive mm	Overall Length mm
6-4AD-150	19.0	12.7	150
8-6AD-160	25.4	19.0	160

UNIQUE OILER (AIR MOTOR OIL)



Air with oil is supplied to the motor parts so as to clean and grease-up the motor.

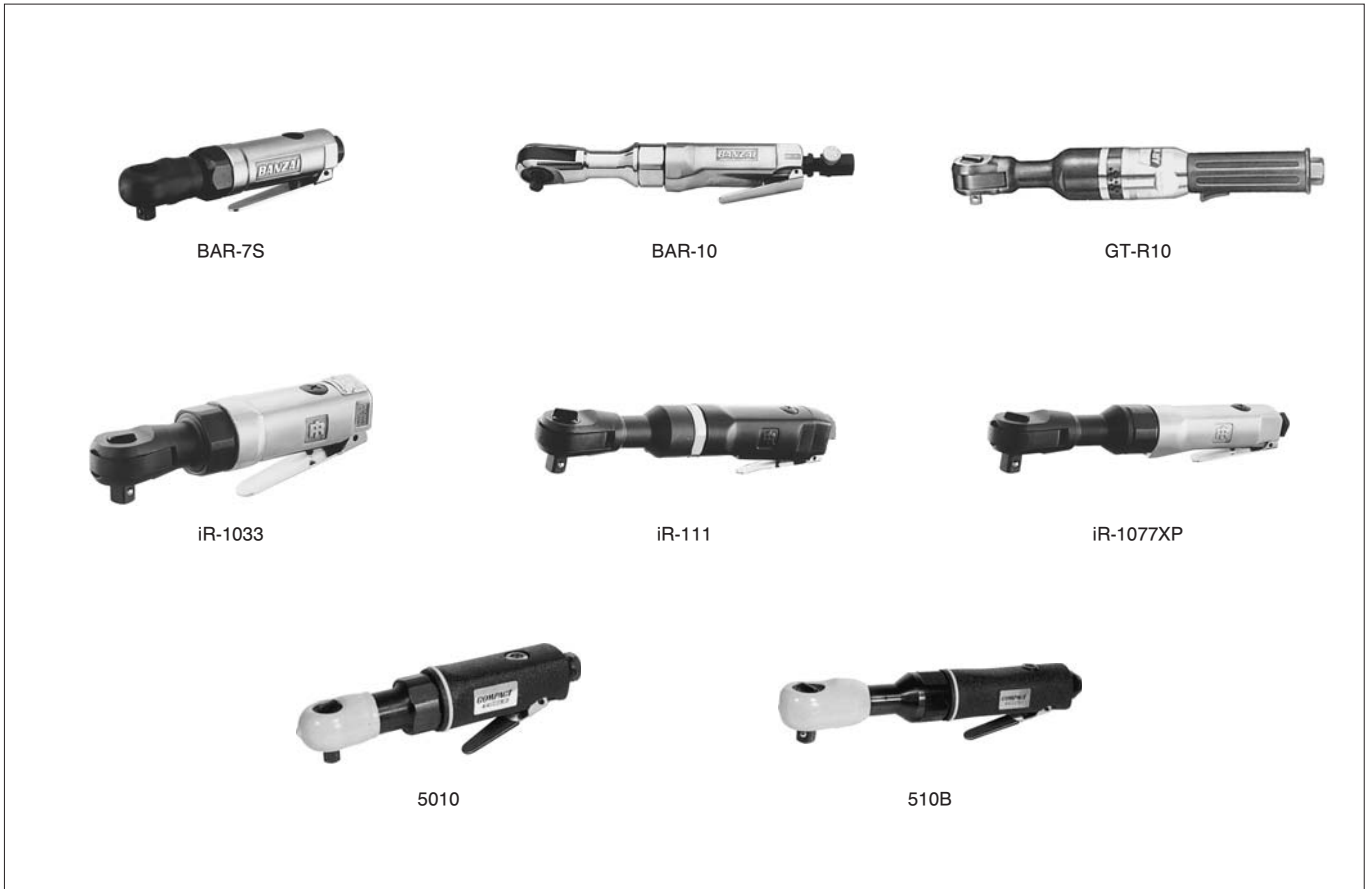
Model	Thread Connection	Remarks
UO-20 UO-200	for PT 1/4 for PT 1/4	Unique Oiler only UO-20 ⊕ Oil (200cc)
UO-30 UO-300	for PT 3/8 for PT 3/8	Unique Oiler only UO-30 ⊕ Oil (200cc)
AMO-12	—	Motor Oil 200C × 12

AIR IMPACT WRENCH



Model	Capacity Bolt Dia. mm	Square Drive mm	Type
GT-S650	6 – 8	9.5	Straight
GT-S600C	6 – 8	9.5	Angled
GT-S65W	6 – 8	9.5	Straight
GT-S70WK	6 – 8	9.5	Straight
GT-P65W	6 – 8	9.5	Pistol
GT-S60CW	6 – 8	9.5	Angled
GT-P80W	8 – 10	12.7	Pistol
GT-W100P II	10 – 12	12.7	Pistol
GT-P14W	12 – 16	12.7	Pistol

AIR RATCHET WRENCH



Model	Capacity Bolt Dia. mm	Square Drive mm	Air Inlet	Overall Length mm	Weight kg
BAR-7S	10	9.5	¼PT	165	0.5
BAR-10	12	9.5	¼PT	254	1.1
BAR-12	12	12.7	¼PT	254	1.1
GT-R10	10	9.5	¼PT	297	1.1

Model	Capacity Bolt Dia. mm	Square Drive mm	Air Inlet	Overall Length mm	Weight kg
iR-1033	8	9.5	¼PT	165	0.5
iR-111	12	9.5	¼PT	262	1.2
iR-107XP	12	9.5	¼PT	267	1.1
iR-1077XP	12	12.7	¼PT	267	1.1
iR-1111	12	12.7	¼PT	262	1.2
5010	8	9.5	¼PT	182	0.6
510B	10	9.5	¼PT	270	1.2

AIR DRIVER



Model	Capacity Bolt Dia. mm	Hexagon Drive mm	Type
GT-PLR	4-5	6.35	Straight
GT-P4.5D	4-5	6.35	Straight
GT-S6CD	5-6	6.35	Angled
GT-P5LS	4-5	6.35	Pistol
GT-P6HS	5-6	6.35	Pistol
GT-P6.5D	6-8	6.35	Pistol
GT-P8D	8-10	8	Pistol
GT-P10S II	10	8	Pistol
DV-75	6	6.35	Pistol

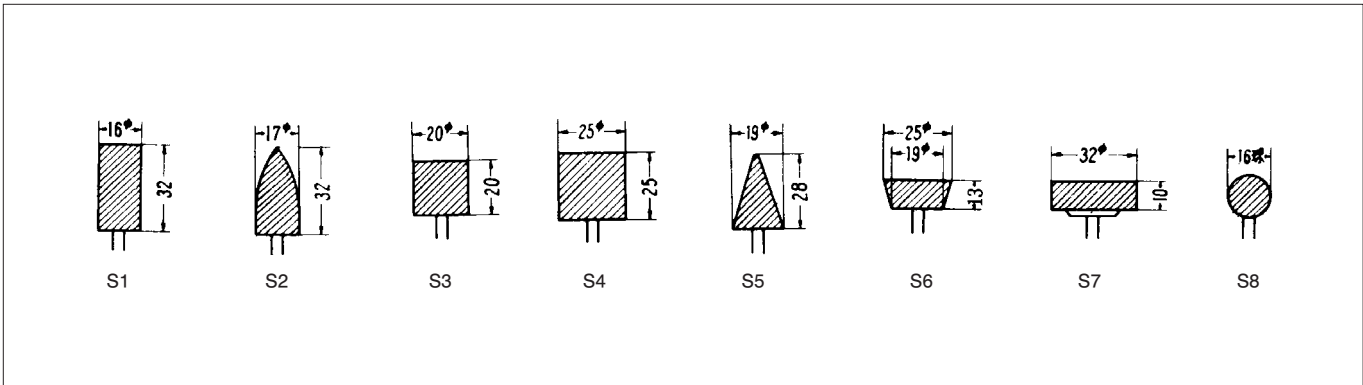
Standard Accessories of DV-75
(9.5mm Socket Adapter, 65mm Driver Bit)

AIR GRINDER

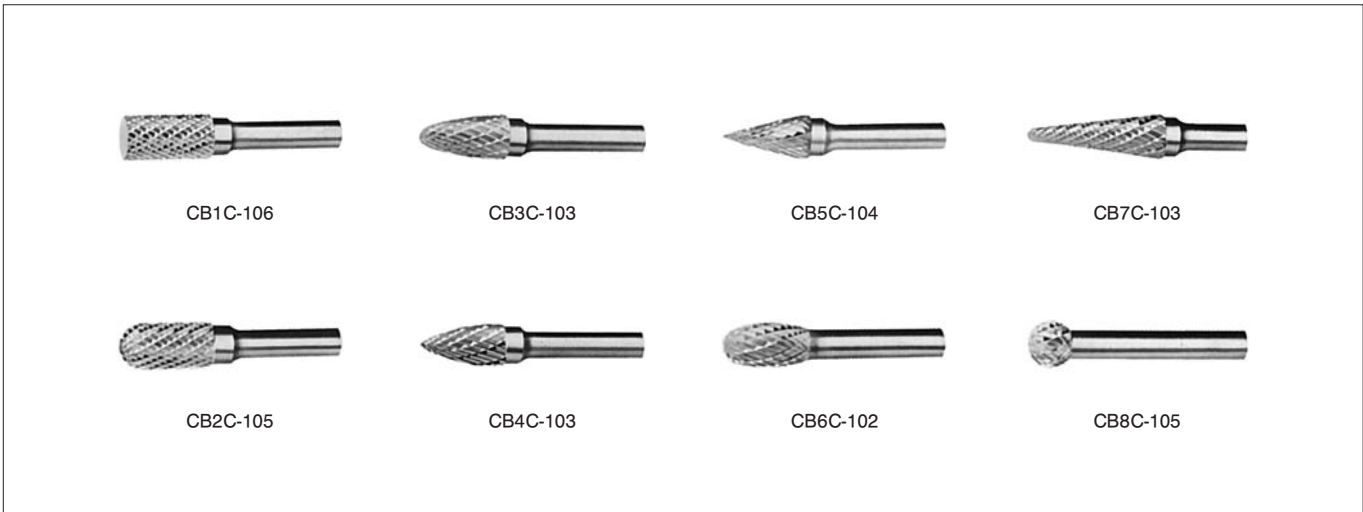


Model	Revolution (No-Load) rpm	Chuck Dia. mm	Length mm	Weight kg
L-25B	27,000	6	148	0.6
L-35C	37,500	6	183	0.5

- Optional Grinding Stone for L-25B (S1 and S2 are standard accessories)



- Optional Rotary burr for L-35C



Shape	Model	Dia. × Length of Blade mm
	SA-3M-NF	9.5 × 19.0
	SA-5M-NF	12.7 × 25.0
	SA-7M-NF	19.0 × 25.0
	SC-3M-NF	9.5 × 19.0
	SC-5M-NF	12.7 × 25.0
	SC-7M-NF	19.0 × 25.0
	SF-3M-NF	9.5 × 19.0
	SF-5M-NF	12.7 × 28.0

Shape	Model	Dia. × Length of Blade mm
	SL-4M-NF	12.7 × 28.0
	SD-5M-NF	12.7 × 12.0
	SE-5M-NF	12.7 × 22.0

HAND AIR GRINDER



Model	Grinding Wheel Dia. mm	Revolution (No-Load) rpm	Weight kg
MAS-40	100	14,000	0.9
MAG-25B	58	22,000	0.5
MAG-40	100	13,000	1.6

• Air Die Grinder

Model	Paper Dia. inch	Revolution (No-Load) rpm	Weight kg
iR-308	6	25,000	0.5

AIR DISK SANDER



Revolving action only.
It is changeable from disk paper to wire brush or buff and so on.

Model	Wheel Dia. mm	Revolution (No-Load) rpm	Weight kg
DS-400	127	18,000	0.98
424A	100	13,000	0.9

BELT SANDER



Model	Belt Size mm	Revolution (No-Load) rpm	Air Consumption ℓ /min.	Air Pressure MPa	Weight kg
B-10B	10 × 330	17,000	400	0.58	0.8
B-20C	20 × 520	17,000	520	0.58	1.4
B-30B	30 × 540	14,000	670	0.58	2.2
212A	12 × 330	13,000	350	0.58 - 0.68	0.9
220	20 × 520	12,000	400	0.58 - 0.68	1.4

(Grit: #60, #80, #100, #120)

AIR ORBITAL SANDER



Model	Type, Form	Revolution (No-Load) rpm	Orbit Dia. mm	Air Consumption ℓ /min.	Air Inlet PT	Pad Size mm	Weight kg	Pad Type
803A4	Short	7,000	5	400	¼	93 × 176	1.8	Leather or Magic
803A4D	Dust Free Short	7,000	5	400	¼	93 × 176	1.8	Leather or Magic
812A4	Wide	6,000	5	400	¼	112 × 220	2.2	Leather or Magic
812A4D	Dust Free Wide	6,000	5	400	¼	112 × 220	2.2	Leather or Magic
813	Mini	9,000	3	260	¼	73 × 98	0.8	Magic
814BD	Dust Free Body	8,000	5	340	¼	74 × 145	1.2	Leather or Magic
820A4	Long	5,000	5	400	¼	93 × 400	2.5	Leather or Magic
820A4D	Dust Free Long	5,000	5	400	¼	93 × 400	2.5	Leather or Magic
803B4D	Dust Free (Strong) Short	6,000	5	400	¼	93 × 176	2.1	Leather or Magic
812B4D	Dust Free (Strong) Wide	6,000	5	400	¼	112 × 220	2.2	Leather or Magic
818B4D	Dust Free (Strong) Semi-Long	6,000	5	400	¼	93 × 330	2.5	Leather or Magic

(Air Pressure: 5 – 7kgf/cm² (813: 4 – 5kgf/cm²))

DOUBLE ACTION SANDER



905A4



905A4P



905B4D



914BD



915A4D

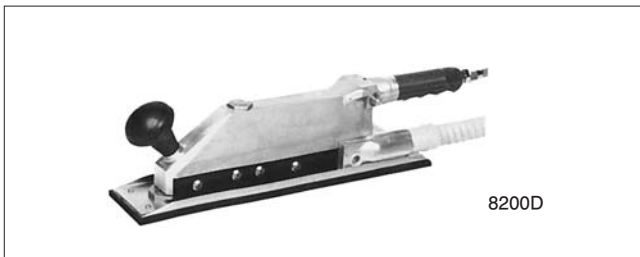


945A4B

Model	Type	Form	Revolution (No-Load) rpm	Orbit Dia. mm	Air Consumption ℓ /min.	Air Inlet PT	Pad Size mm	Weight kg	Pad Type
905A4	–	Rough	10,000	10	400	¼	123	1.6	Leather or Magic
905A4D	Dust Free	Rough	10,000	10	400	¼	123	1.6	Leather or Magic
905A4P	Wax Polish	Finish	6,000	10	300	¼	165	1.7	Magic
905B4D (-6)	Dust Free Strong	Rough	10,000	10	400	¼	123 (148)	1.9 (2.0)	Leather or Magic
914B	–	Finish	9,000	5	340	¼	123	1.1	Leather or Magic
914BD	Dust Free	Finish	9,000	5	340	¼	123	1.1	Leather or Magic
915A4D	Dust Free	Rough	10,000	7	400	¼	123	1.6	Leather or Magic
945A4D	Dust Free	Finish	10,000	5	400	¼	123	1.4	Leather or Magic
955BD	Dust Free	Finish	9,000	5	380	¼	123	1.0	Magic

(Air Pressure: 5 – 7kgf/cm²)

LINE SANDER



Model	Type	Stroke mm	Air Consumption ℓ /min.	Air Inlet PT	Pad Size mm	Weight kg
8200	-	20	240	1/4	73×330	2.6
8200D	Dust Free	20	240	1/4	93×330	2.7

Remark: 1 piston Half Magic Type
(Air Pressure: 5 – 7kgf/cm²)

AIR POLISHER & SANDER



Model	Revolution (No-Load) rpm	Air Consumption ℓ /min.	Air Inlet PT	Pad Size mm	Weight kg	Remark
UHP-2700	2,700	420	1/4	125	1.6	High-Pitch EPN Pad
715A2	2,200	450	1/4	123	1.2	6" Vertical
717A2	4,500	550	1/4	180	1.9	7" Vertical

(Air Pressure: 5 – 7kgf/cm²)

WET SANDER



Model	Type, Form	Revolution (No-Load) rpm	Air Consumption ℓ /min.	Air Pressure MPa	Disk Size mm	Orbit Dia. mm	Weight kg	Action
812AW	Wet, Wide	7,000	400	0.49–0.68	112×220	5	2.3	Orbital
813W	Suction, Mini	7,000	260	0.49–0.68	73×98	3	1.0	Orbital
873-W	Suction, Mini	7,000	260	0.39–0.49	73×98	3	1.0	Orbital
873-WL	Suction, Long	7,000	260	0.39–0.49	73×140	3	1.0	Orbital
873-W5	Suction, Disk	7,000	260	0.39–0.49	ϕ 123	3	1.0	Orbital
905-A4W	Wet	10,000	400	0.49–0.68	ϕ 123	10	1.6	Double Action
913W-5	Suction	9,000	260	0.39–0.49	ϕ 75 ϕ 123	5	0.9	Double Action

(Air Inlet: PT 1/4)

AIR DRILL



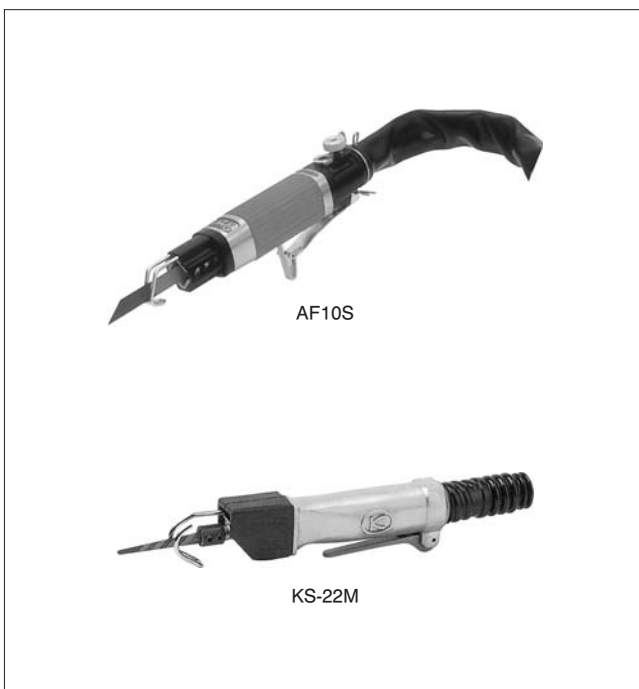
Model	Capacity φ mm	Revolution (No-Load) rpm	Weight kg	Remarks
DR-10	10	2,100	1.0	Reversible
DR-10R	10	2,000	1.1	
GT-D60-26	6	2,600	0.9	
2100R	9.5	2,100	1.1	
iR-7802R	10	2,000	1.1	Reversible
iR-7803R	13	450	1.7	Reversible

ANGLE-HEAD AIR DRILL



Model	Chuck Capacity mm	Revolution (No-Load) rpm	Weight kg
DR-10A	10 φ	1,900	0.9

AIR SAW



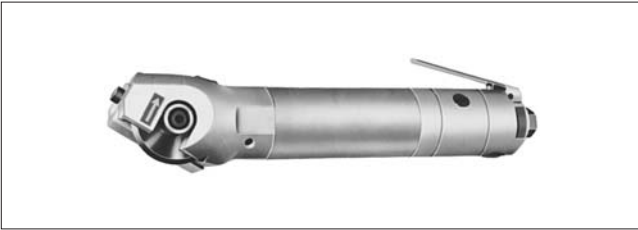
Model	Stroke mm	Length mm
AF10S	10	690

Model	Cutting Capacity mm	spm	Weight kg
AS-10	3.0	4,800	1.0

- Spare brade for AS-10
AS-48-32 (for general use)
AS-48-24 (for aluminum)
AS-48-14 (for plastic)

Model	Stroke mm	Length mm
KS-22M	9	232

AIR ROTARY CUTTER (DIAMOND WHEEL TYPE)



Model	Revolution (No-Load) rpm	Air Pressure MPa(kg/cm ²)	Length mm
DAC-11S	13,000	0.58 (6)	300

NEEDLE SCALER



Model	Needle Length mm	Number of Needle	Weight kg
JT-20	180	$\phi 2 \times 29$, $\phi 3 \times 12$	2.2
JEX-20	180	$\phi 2 \times 29$, $\phi 3 \times 12$	2.8
JC-16	150	$\phi 2 \times 29$	1.4
JEX-24	180	$\phi 2 \times 53$, $\phi 3 \times 23$	2.7
JEX-66	180	$\phi 2 \times 66$, $\phi 3 \times 28$, $\phi 4 \times 14$	3.5

• Needle

Model	Size $\phi \times$ Length (mm)	Number of PCS
JN2-150	$\phi 2 \times 150$	100
JN2-180	$\phi 2 \times 180$	100
JN3-180	$\phi 3 \times 180$	50
JN4-180	$\phi 4 \times 180$	50

AIR IMPACT CUTTER



• Main Body

Model	Blows/min.	Length mm	Weight kg
iR-121	3,000	193	1.6

AUTO CHISEL



Model	Blows/min.	Length mm	Weight kg
A-302	2,600	185	1.7

CHISEL FOR AIR IMPACT CUTTER

• Optional Attachment for iR-121




















Figure	Model	Description
	MC-66	Straight Chisel
	MC-67	Angled Cutting Chisel
	MC-68	Wide Cutting Chisel
	MC-70	Punch
	MC121-72	Muffler Cutter
	MC-73	Tail Pipe Cutter
	MC121-74	Tie-Lod Tool
	MC121-75	Bushing Driver
	MC121-76	Cone Cape Chisel
	MC121-80	7" Shock Absorber Chisel

Figure	Model	Description
	AVC1-83	Safety Tool Retainer
	MC121-84	3/4 Fork Chisel
	MC121-87	Spot Weld Breaker
	MC121-88	Edging Tool
	MC121-89	Double Edge Ripper Chisel
	MC121-90	Body Homing Tool
	MC121-91-10	Punch
	MC131-98	Smoothing Hammer
	AVC10-183A	Tool Retainer

• Optional Attachment for A-302







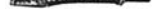

















Figure	Model	Description
	No.1	Blank Chisel
	No.2	Flat Chisel
	No.3	Sheet Metal Chisel A
	No.4	Sheet Metal Chisel B
	No.5	Muffler Cutting Chisel
	No.6	Rubber Bushing Remover
	No.7	Spot Weld Booster
	No.8	Bushing Tool
	No.9	Punch
	No.10	Removing Tool
	No.11	Sheet Metal Punch
	No.12	Bend Chisel

Figure	Model	Description
	No.13	Fork Chisel 24mm
	No.14	Panel Crimper
	No.16	Fork Chisel 35mm
	No.17	Fork Chisel 15mm
	No.18	Scraper 38mm
	No.19	Scraper 60mm A
	No.20	Scraper 60mm B
	No.22	Oildrain Chisel
	No.23	Sheet Metal Chisel C
	No.24	Moil Point Chisel
	No.25	Revet Removing Punch
	No.26	Revet Strengthen Chisel

ELECTRIC DRILL



D-6C



LUh-7



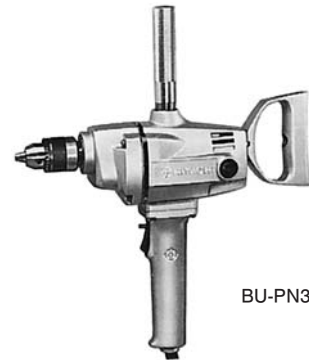
D-10C



NU-DH4



BUL-SH3



BU-PN3

Model	Capacity mm	Power Input W	No-Load Speed	Overall Length mm	Weight kg	Drill Chuck (Code No.)	Standard Accessories
D-6C	Steel 6.5 ($\frac{1}{4}$ " Wood 13.0 ($\frac{1}{2}$ "	290	2,500/min.	291 (11- $\frac{15}{32}$ "	1.6 (3.5lbs.)	6.5EB (302281)	1 Chuck Wrench
LUh-7	Steel 6.5 ($\frac{1}{4}$ "	360	2,200/min.	289 (11- $\frac{7}{16}$ "	1.9 (4.2lbs.)	6.5EB (302281)	1 Chuck Wrench
D-10C	Steel 10.0 ($\frac{3}{8}$ " Wood 21.0 ($\frac{13}{16}$ "	380	1,250/min.	320 (12- $\frac{5}{8}$ "	2.0 (4.4lbs.)	10ELA (950276)	1 Chuck Wrench, 1 Side Handle
NU-DH4	Steel 10.0 ($\frac{3}{8}$ "	400	1,250/min.	311 (12- $\frac{1}{4}$ "	2.2 (4.9lbs.)	10ELA (950276)	1 Chuck Wrench, 1 Side Handle
BUL-SH3	Steel 13.0 ($\frac{1}{2}$ "	620	1,100/min.	333 (13- $\frac{1}{8}$ "	2.6 (5.7lbs.)	13ELA (950274)	1 Chuck Wrench, 1 Side Handle
BU-PN3	Steel 13.0 ($\frac{1}{2}$ "	620	750/min.	384 (15")	4.4 (9.7lbs.)	13ELA (950274)	1 Chuck Wrench

DRILLING MACHINE



B-13R



B-13S



B-23S

Model	Capacity (Steel) mm	Power Output W	Spindle Speed		Spindle Taper	Swing mm	Max. Quill Stroke mm	Table mm	Base mm	Overall Height mm	Weight kg
			50Hz	60Hz							
B-13S	13 (1/2")	200	500/800/ 1,425/2,000/ 3,000/min.	600/960/ 1,700/2,400/ 3,600/min.	No.6 (2-1/2") Jacobs Taper	360 (14")	80 (3-1/8")	240 × 240 (9-7/16 × 9-7/16")	210 × 200 (8-1/4 × 7-7/8")	990 (39")	53 (116.8lbs.)
B-13R	13 (1/2")	200	500/800/ 1,425/2,000/ 3,000/min.	600/960/ 1,700/2,400/ 3,600/min.	No.6 (2-1/2") Jacobs Taper	360 (14")	80 (3-1/8")	280 (11")	210 × 200 (8-1/4 × 7-7/8")	990 (39")	55 (121.3lbs.)
B-23S	23 (15/16")	400	400/825/ 1,320/2,400/ min.	480/990/ 1,584/2,880/ min.	No.2 Morse Taper	430 (17")	125 (4-7/8")	300 × 300 (11-7/8 × 11-7/8")	240 × 240 (9-3/8 × 9-3/8")	1,280 (50")	145 (310lbs.)
B-23R								360 (14-3/16")			150 (330lbs.)

• Drill Chuck

Model	Size mm
EDC-5	5
EDC-6.5	6.5
EDC-10	10
EDC-13	13

Model	Size mm	Remark
EDC-6.5G EDC-13G	0.5 – 6.5 0.8 – 13	for Bench Drilling Machine

STRAIGHT SHANK TWIST DRILL SET



Model	Set Contents φ mm	Remark
HSD-13	13pcs. 1.5, 2.0, 2.5, 3.0, 3.2, 3.5, 4.0, 4.5, 4.8, 5.0, 5.5, 6.0, 6.5	Steel Case
HSD-19	19pcs. 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10	
HSD-25M	25pcs. 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0	

CONICAL REAMING DRILL



Model	Capacity φ mm	Shaft φ mm
DR-21541	3 – 14	6
DR-21542	8 – 20	9
DR-21543	16 – 30.5	9

PORTABLE ELECTRIC GRINDER



Model	Capacity mm			Power Input W	No-Load Speed	Spindle Thread	Overall Length mm	Weight kg	Standard Accessory
	External Dia.	Thickness	Hole Dia.						
GP-10	100(4")	19 (¾")	12.7 (½")	325	5,800/min.	M12 × 1.75 Left Hand Nut	552 (21-¾")	5.0 (11.0lbs.)	1 Grinding Wheel
GP-13	125 (5")			570	4,800/min.	M12 × 1.75	597 (23-½")	5.5 (12.1lbs.)	



Model	LDU-6	
Capacity Chuck Max. Wheel Dia.	mm	6 (¼") 32 (1-¼")
Power Input	W	240
No-Load Speed		23,000/min.
Overall Length	mm	365 (14-¾")
Weight	kg	1.9 (4.2lbs.)
Standard Accessories		5 Mounted Wheels, 2 Wrenches, 1 Case, 1 Dresser

Lathing possible with universal mount.

ELECTRIC BENCH GRINDER



GT 31SH



GR-26

Model	Disk Dimension O.D. × Thickness × H. Dia. mm	Power Input	Revolution rpm (50Hz)	Weight kg
GT 15SH(1P)	150 × 16 × 12.7	345W(50Hz)	2,970	16
GT 21SH(1P)	205 × 19 × 15.88	645W	2,960	27
GT 21SH(3P)	205 × 19 × 15.88	592W	2,970	24
GT 26SH	255 × 25 × 19.05	1,050W	1,490	41
GT 31SH	305 × 32 × 25.40	1,770W	1,470	65
● GR21	205 × 19 × 15.88	400W	3,000	98
● GR26	255 × 25 × 19.05	0.75kW	1,500	112
● GR31	305 × 32 × 25.4	1.5kW	1,500	159

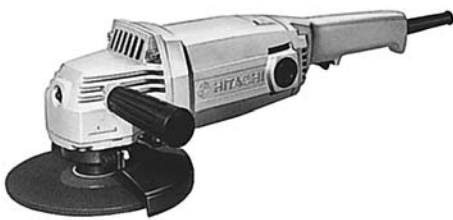
● W/Dust Collector

• Eye Shield for Electric Grinder



Model	Dimension mm
HBG-1	160 × 117

ELECTRIC DISK GRINDER (SANDER)



PDH-180C

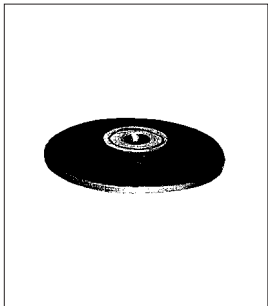


S15

Model	Disk Dia. mm	Paper Dia. mm	Power Input W	Weight kg
PDA-100H	100	–	760	1.9
G 15SP	150	–	1,010	3.2
G 18SP	180	–	1,070	3.3
PDH-180C	180	–	1,700	5.7
S15	–	150	530	3.2

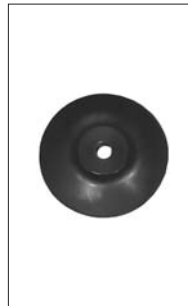
AIR AND ELECTRIC TOOLS

RESIN BOND GRINDING WHEEL



Model	O.D. mm	Thickness mm
RW-4A	100	3
RW-4B	100	6.4
RW-5	125	6.4
RW-6	150	6.4
RW-7	180	6.4

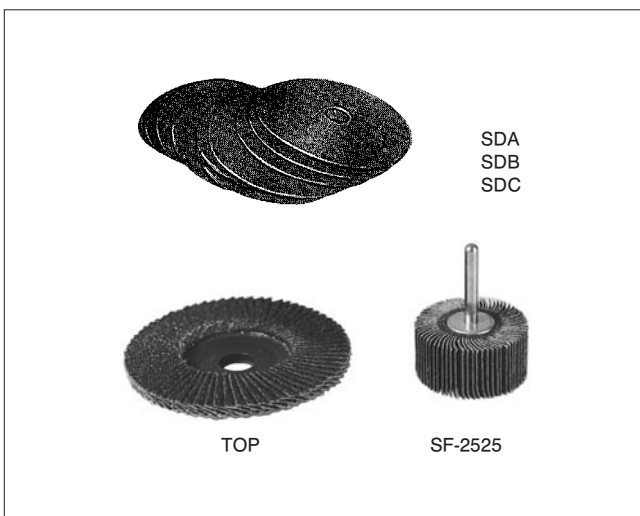
RUBBER PAD FOR SANDING DISC



These pad are for setting of disk paper to resining sander.

Model	Application ϕ mm
RP-4	100
RP-5	125
RP-6	150
RP-7	180

ABRASIVE DISC



Grit	Model		
	100mm	125mm	150mm
16	SDA-16	SDB-16	SDC-16
24	SDA-24	SDB-24	SDC-24
30	SDA-30	SDB-30	SDC-30
36	SDA-36	SDB-36	SDC-36
40	SDA-40	SDB-40	SDC-40
60	SDA-60	SDB-60	SDC-60
80	SDA-80	SDB-80	SDC-80
100	SDA-100	SDB-100	SDC-100

• For Aluminum

Model	Grit
TOP-60	60
TOP-100	100

• Flap Type W/Shaft

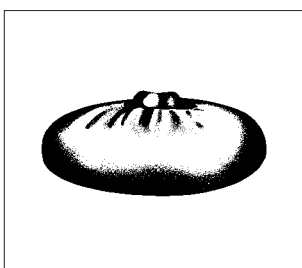
Model	Grit
SF-2525	60

ELECTRIC POLISHER



Model	Capacity ϕ mm	Power Input W	Weight kg
SP-13	125	240	2.3
SP-18	180	530	3.8
PO-125S1	125	230	2.5

POLISHING BONNET



Model	Application ϕ mm
PB-125	125
PB-175	180

POLISHING PAD



Model	Application ϕ mm
SP-5	125
SP-7	180

DOUBLE ACTION POLISHER



It is most suitable for waxing a car body.

Model	Capacity φ mm	Power Input W	Standard Accessory
MDS-20B	250	300	Polisher Cover 5 Sheets

PARTS FOR ELECTRIC GRINDER

• Wire Wheel Brush



Model	Dia. mm	Model	Dia. mm
WB-3	75	WB-6	150
WB-4	100	WB-8	200
WB-5	125	WB-10	250

• Grinding Wheel



Please select the wheel dia. thickness, hole dia. and grid.

Wool Buff



Rubber Pad for Buff



Towel Buff



Cup Type Wire Brush



Bevel Wire Brush



Wire Cup Brush



SUPER DRESSING TOOL



Model	Overall Length mm
SP-D	300

SCREW DRIVER



Model	Capacity mm	Motor
W6SD	6	1-ph., 340W

ELECTRIC JIG SAW



Model	Capacity mm	Motor
CJ-65SC	Wood 60 × R25	1-ph., 500W

CUTTING GRINDER



Model	Capacity ϕ mm	Motor
CC-16SB	405	3-ph., 2.2kW