

**The
Complete
Package**

entrepot

Experience Entrepot The Complete Package

- **Fast**
- **Reliable**
- **Dependable**

**“We strive to provide you the best service
that you deserve and ensure
our products work harder for you.”**



INTRODUCTION

Experience The Complete package

02

OUR SERVICES

Repairs, Maintenance, Installation

04

TOKU

Ratchet & Impact Wrench ; Screw Driver
Drill ; Die / Straight Grinder ; Angle Grinder
Sander & Tamper ; Baby Hammer
Needle Scaler ; Flux Chipper
Chipping Hammer; Pick Hammer & Clay
Digger ; Concrete Breaker
Rock Drill & Drilling Accessories : Rod &
Drill Bit

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OUR FULL RANGE OF SERVICES

The Complete Package FAST RELIABLE DEPENDABLE

We take pride to serve our best Quality Products and Services that our Customers can always rely on.



REPAIRS

Technical Officers will ensure **FAST - RELIABLE - DEPENDABLE** repair and services, termed **The Complete Package.** We make our products work harder for you



MAINTENANCE

We improve the safety and productivity of Customers. Our maintenance program includes MOM - PE Inspection, Testing and Certification of Lifting Equipment.



INSTALLATION

Our One-Stop Service
We provide on-site evaluation & installation of Hoist, Winch, Hose Reel, Cable Reel, etc.

FAST - RELIABLE - DEPENDABLE

RATCHET WRENCH



Made in Japan

- Compact and powerful
- Forward and reverse switch
- Ideal for tight work space



MR-2207C
MR-2209C



MR-2310B
MR-2410B

Model	Sq Drive	Torque kgm	Max Kg-m	Weight kg	OAL mm	Pt
MR-2207C	1/4"	0.6 - 2.8	5.5	0.53	165	1/4
MR-2209C	3/8"	0.6 - 2.8	5.5	0.53	165	1/4
MR-2310B	3/8"	1.4 - 7.0	8.3	1.13	254	1/4
MR-2410B	1/2"	1.4 - 7.0	8.3	1.13	254	1/4

IMPACT WRENCH 3/8" square drive

- One-hammer clutch
- Butterfly throttle quick reverse
- 360° air inlet swivel



MI-1310S



MI-1311B

Model	Sq Drive	Torque kgm	Max Kg-m	Weight kg	OAL mm	Pt
MI-1310S	3/8"	1.0 - 9.0	12.0	0.9	177	1/4
MI-1311B	3/8"	3.0 - 7.0	10.0	1.3	150	1/4

FAST - RELIABLE - DEPENDABLE

IMPACT WRENCH 1/2" to 1" square drive



Made in Japan

- Higher reverse power design
- Soft throttle for precise control



A1

- Short body
- Only at 99mm wide
- Ideal at tight corner



B1



B2



C1



C2

Model	Pix	Sq Drive	Torque kgm	Weight kg	OAL mm	Speed rpm	Pt
MI-14S	A1	1/2"	15-31	1.1	99	11,700	1/4
MI-16M	B1	1/2"	15-25	1.5	170	7,200	1/4
MI-17M	B1	1/2"	25-45	2.5	179	5,500	1/4
MI-17ML	B2	1/2"	25-45	2.6	232	5,500	1/4
MI-17C	B1	1/2"	26-56	1.8	181	8,500	1/4
MI-20P	B1	3/4"	40-80	3.9	220	5,000	3/8
MI-20PL	B2	3/4"	40-80	4.6	340	5,000	3/8
MI-2500P	C1	3/4"	50-110	8.2	265	5,300	3/8
MI-2500PL	C2	3/4"	50-110	9.3	386	5,300	3/8
MI-2500P	C1	1"	50-110	8.2	265	5,300	3/8
MI-2500PL	C2	1"	50-110	9.3	386	5,300	3/8
MI-3800P	C1	1"	50-150	9.5	276	4,700	1/2
MI-3800PL	C2	1"	50-150	10.8	430	4,700	1/2
MI-5000P	C1	1"	50-220	13.9	310	3,700	1/2
MI-5000PL	C2	1"	50-220	16.2	520	3,700	1/2

FAST - RELIABLE - DEPENDABLE

IMPACT WRENCH 3/4" to 1 1/2" square drive

TOKU 

Made in Japan

- Soft throttle for precise control
- 4-Position power regulator



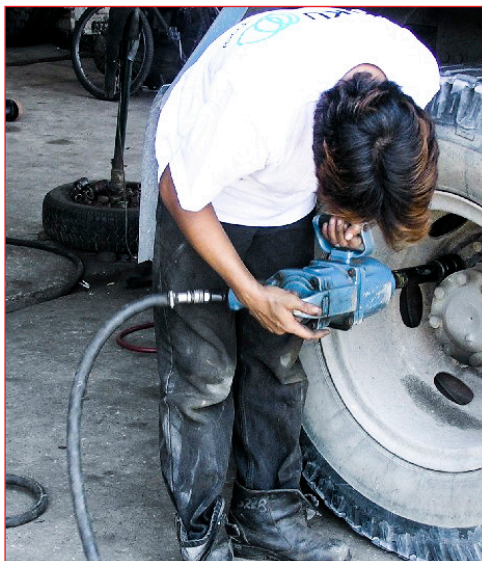
E1



E2



E3



Model	Pix	Sq Drive	Torque kgm	Weight kg	OAL mm	Speed rpm	Pt
MI-2500GS	E1	3/4"	50-110	8.2	341	5,300	3/8
MI-2500GL	E2	3/4"	50-110	9.0	459	5,300	3/8
MI-2500GS	E1	1"	50-110	8.2	341	5,300	3/8
MI-2500GL	E2	1"	50-110	9.0	341	5,300	3/8
MI-3800GS	E1	1"	50-150	9.5	335	4,700	1/2
MI-3800GL	E2	1"	50-150	10.2	504	4,700	1/2
MI-38GL	E2	1"	50-110	7.9	498	3,700	1/2
MI-42GS	E1	1"	50-180	10.2	370	3,900	1/2
MI-42GL	E2	1"	50-180	10.6	519	3,900	1/2
MI-5000GS	E1	1"	50-220	14.3	460	3,700	1/2
MI-5000GL	E2	1"	50-220	16.0	594	3,700	1/2
MI-5500	E3	1 1/2"	150-428	18.1	520	2,800	1/2

FAST - RELIABLE - DEPENDABLE

SCREW DRIVER Compact & Powerful



MV-6226B



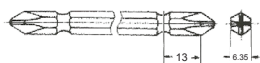
MID-60



MV-6216B



MI-12D



Driver Bit
Length (mm)

PH2+PH2	65	110	150	200
PH3+PH3	65	110	-	-

Model	Bit Size	Screw mm	Max kg-m	Weight kg	OAL mm	Speed rpm
MV-6216B	1/4	6	0.9	1.20	250	1,800
MV-6226B	1/4	6	1.2	1.30	205	1,800
MID-60	1/4	6	9.8	0.80	181	10,800
MI-12D	1/4	12	12.0	1.20	154	9,500

DRILL Compact & Powerful



MD-3310B



MD-3312B

- Compact and lightweight
- Forward and reversible

Model	Chuck mm	Weight kg	OAL mm	Speed rpm	Pt
MD-10L	10	0.9	130	2,300	1/4
MD-3310B	10	1.0	165	2,400	1/4
MD-3311B	10	1.1	200	2,000	1/4
MD-3312B	10	1.2	208	1,200	1/4
MD-3413B	13	1.6	220	500	1/4



Adaptable for
paint mixing
MD-3413B

FAST - RELIABLE - DEPENDABLE

DIE GRINDER

General Duty



Made in Japan



MG-7206B



MG-7236B

- Lever with safety lock
- Light and handy
- Collet - Standard 6mm
- Optional - 3mm or 1/4"

Industrial Duty

TG-38ZL



Refer to page 41 on **procut** Carbide Burrs

**TSG-3C
TSG-3CL**



Refer Pg 45 & 46 on Industrial Wire Brushes

Model	Collet mm	Weight kg	OAL mm	Speed rpm	Pt
MG-20	6	0.6	139	22,000	1/4
MG-7204B	6	0.4	120	25,000	1/4
MG-7206B	6	0.6	146	22,000	1/4
MG-7236B	6	0.4	123	18,000	1/4
TG-25ZII	6	0.6	150	18,000	1/4
TG-38Z/ZL	6	0.7 / 0.6	178 / 163	23,000	1/4
TSG-3C/CL	6	1.6 / 1.7	340 / 400	12,700	3/8

STRAIGHT GRINDER

Industrial Duty



**TSG-5S
TSG-5L**

Model	Wheel Size mm	Weight kg	OAL mm	Speed rpm	Pt
TSG-3F/3L	75 x 13 x 9.5	1.6 / 1.78	305 / 367	12,700	3/8
TSG-5L/5S	125 x 19 x 12.7	3.03 / 3.0	457 / 400	7,600	3/8
TSG-6L/6S	150 x 25 x 15.9	4.2	430	6,300	3/8

FAST - RELIABLE - DEPENDABLE

ANGLE GRINDER

Heavy Industrial Duty



Made in Japan



TAG-40SAL
TAG-40SML



TAG-40FR
TAG-40MR

- High power air motor
- Safety speed governor
- Diffuser exhaust silencer



TAG-400QJL
TAG-700QJL
TAG-900QJL

- Throttle system: safety lever/roll sleeve
- Secure: bore hole / threaded spindle
- Application: Wire cup brush, metal removal, diamond wheel

Application options:

CC-31

CCO-35



Cup Wire Brush



Flap Disc



Diamond Disc

Model	Wheel ø mm	Bore ø Thread	Max. Rpm	HP	Weight kg	OAL mm	Pt
TAG-20NR	58	9.5	12,500	0.4	0.55	162	1/4
TAG-40SA	100	16	12,000	0.7	1.4	204	1/4
TAG-40SAL	100	16	12,000	0.7	1.4	204	1/4
TAG-40SML	100	M10	12,000	0.7	1.4	210	1/4
TAG-40MR	100	M10	12,000	0.9	1.4	195	1/4
TAG-40FR	100	16	12,000	0.9	1.4	195	1/4
TAG-40FRH	100	16	12,000	0.9	1.8	217.5	1/4
TAG-40FLH	100	16	12,000	0.9	1.6	213.5	1/4
TAG-400	100	16	12,000	0.7	1.7	220	3/8
TAG-400QJL	100	16	12,000	0.7	1.8	266	3/8
TAG-700	180	22	7,500	1.3	3.1	274	3/8
TAG-700QJL	180	22	8,400	1.3	3.1	304	3/8
TAG-900QJL	230	22	6,500	1.3	3.4	304	3/8

FAST - RELIABLE - DEPENDABLE

SANDER

Circular & Orbital Action

TOKU 

Made in Japan



MS-4125B



ES-680N5/6
ES-680G5/6 (vacuum)



Sanding Disc

Model	Pad Dia inch	Abrasive	Max rpm	Weight kg	OAL mm	m³/min	Pt
MS-4125B	5	75-115	14,000	1.0	115	0.40	3/8
ES-680N5	5	125	12,000	0.7	140	0.40	3/8
ES-680N6	6	150	12,000	0.8	140	0.40	3/8
ES-680G5	5	125	12,000	0.8	210	0.40	3/8
ES-680G6	6	150	12,000	0.8	225	0.40	3/8
ES-730	7 x 3½	90 X 180	10,000	1.0	220	0.40	3/8

SAND RAMMER & TAMPER



T-6

- Used for compacting of sand in foundry & backfill in trenches



TB-00G
TB-0G

Model	Pad Dia inch	Max rpm	Weight kg	OAL mm	m³/min	Pt
TB-00G	5	1,600	1.7	280	0.25	3/8
TB-0G	5	1,000	2.7	395	0.30	3/8
TF-1N	6	800	6.8	1,070	0.70	1/2
TF-2N	6	700	9.0	1,105	0.85	1/2
T-6	38.0	700	18.0	1,240	1.10	1/2

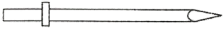
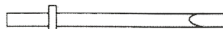
FAST - RELIABLE - DEPENDABLE

BABY HAMMER



- **MH-5111** - for light hacking and chiseling
- **BRH-3** - Chiseling with regulator for good control

Optional Accessories for MH-5111 and BRH-3

Model	Description	Shank size $\varnothing 10\text{mm} \times 200\text{mm}$
M5N	Moil Point	
C5N	Chisel Point	

Option: Other chisel type may be available on request

NEEDLE SCALER / FLUX CHIPPER



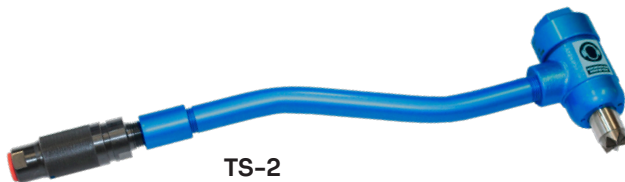
TJN-200
C/w 12 needle (3mm x 125)



TFC-200
C/w C15



TFC-200F
C/w C20



TS-2

Model	Weight kg	OAL mm	Max bpm	m ³ /min	Pt
MH-5111	1.6	200	3,500	0.2	1/4
BRH-3	1.4	200	1,800	0.32	1/4
TS-2	2.2	500	8,000	0.3	3/8
TJN-200	1.12	225	12,000	0.25	1/4
TFC-200	0.89	182	12,000	0.25	1/4
TFC-200F	1.06	187	12,000	0.25	1/4



Spare Piston
Part no. P110102
For TS-2

FAST - RELIABLE - DEPENDABLE

CHIPPING HAMMER



AA-OB



AA-3B



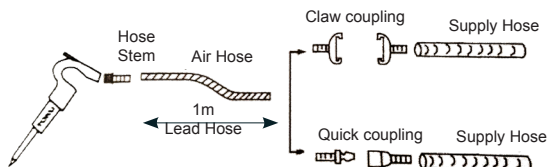
THA-4S RV

- Heavy duty and reliable
- Easy weight balance
- Spool valve delivers higher power
- Designed for rugged work in construction, marine and refractory hacking

Model	Weight kg	OAL mm	Max bpm	m ³ /min	pt
AA-OB	2.0	254	3,600	0.35	3/8
AA-1.3B	4.5	320	2,800	0.45	3/8
AA-3B	5.8	330	2,400	0.45	3/8
THA-4SRV	7.0	480	1,800	0.95	3/8

Part No.	OAL mm	M: Moil Point, C: Chisel for AA-OB
M8N / NL	220 / 300	
C8N / NL	220 / 300	

Part No.	OAL mm	M: Moil Point, C: Chisel, D: Digger for AA-3B & THA-4S RV
M3N / NL	300 / 600	
C3N / NL	300 / 586	
D3	300	



Optional Accessories

- 1m lead hose can assist to reduce stress on tool
- Various type of coupling and hoses available OR.
- More details on page. 18

Note: To prevent hose stem breakage, suspend air hose to reduce stress to it

FAST - RELIABLE - DEPENDABLE

PICK HAMMER & DIGGER

TOKU 
Made in Japan



G-9S



TCA-7

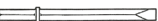
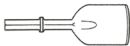


TCD-20



TCB-300

TCA-7		TCB-200 & TCB-300		Accessories	
Part No.	OAL mm	Part No.	OAL mm	Description	Drawing
M7 / M7N	400 / 450	M23	400	Moil Point	
M7L / M7LL	600 / 1,200	M33	465		
C7	400	C23 / C33	390/455	Chisel	
D7	450			Asphalt Cutter	

TCD-20		TCD-30		Accessories	
Part No.	OAL mm	Part No.	OAL mm	Description	Drawing
M9 / M9L	480 / 710	M4	580	Moil Point	
M9LL	1,100	M4L	1,330		
C9	475	C4S	500	Chisel	
S9	475	D4	500	Asphalt Cutter	

Model	Weight kg	OAL mm	Max. bpm	m ³ /min	Shank Size	Pt
G-9S	9.0	470	1,800	1.2	R26 x 80mm	1
TCA-7	7.2	465	1,250	1.0	R26 x 80mm	3/4
TCD-20	10.0	520	2,000	1.1	7/8" Hex x 3 1/4"	1/2
TCD-30	13.6	559	1,550	1.4	1"Hex x 4 1/4"	1/2
TCB-200	21.0	556	1,100	1.4	R30 x 87mm	1
TCB-300	30.0	610	950	1.7	R35 x 87mm	1

FAST - RELIABLE - DEPENDABLE

CONCRETE BREAKER



**TPB-30
TPB-40**

Accessories: TPB-30, TPB-40

Part No.	OAL mm	Description	
M4	580	Moil Point	
M4L	1,330	Moil Point Long	
C4S	500	Chisel	
D4	500	Wide Chisel 3"	
DW4	490	Wide Chisel 5"	

Note:

OA Length may vary on manufacturing batches,
More accessories available on pg 64



Optional:
Muffler



**TPB-60
TPB-73
TPB-90**

Accessories: TPB-60, TPB-73, TPB-90

Part No.	OAL mm	Description	
M1S	550	Moil Point	
M1	620	Moil Point	
M1L	760	Moil Point Long	
C1	610	Chisel	
D1	570	Wide Chisel 3"	
DW1	545	Wide Chisel 5"	

Model	Weight kg	OAL mm	Max bpm	m ³ /min	Shank Size	Pt
TPB-30	15	564	1,550	1.4	1"Hex x 4¼"	3/8
TPB-40	18	660	1,100	1.6	1"Hex x 4¼"	1/2
TPB-60	30	645	1,400	2.0	1¼"Hex x 6"	3/4
TPB-73	31	690	1,200	1.8	1¼"Hex x 6"	3/4
TPB-90	42	723	1,250	2.2	1¼"Hex x 6"	3/4

FAST - RELIABLE - DEPENDABLE

CONCRETE DRILL Mini



Faster Drill Speed

TH-5S - Concrete & rock drill
5.8kg (lightweight)

Drill holes up to 38mm at 3-10 times the speed of electric drill



Taper Rod

Drill Bit



Insert Bit (TH-5S)

Bit Ø	OAL mm	
13mm	250	400
16mm	400	600
19mm	400	600
22mm	400	600

T15 - Taper Rod & Bit (TH-5S)

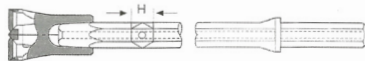
Taper Rod OAL
400mm
600mm
900mm

Carr Bit Ø
20mm
22mm

T19 - Taper Rod & Bit (TH-5S)

Taper Rod OAL	Carr Bit Ø	
400mm	24mm	32mm
600mm	26mm	34mm
900mm	28mm	36mm
1,200mm	30mm	38mm

ROCK DRILL



T22 - Button Bit

Button Bit - Drill Ø		
28mm	36mm	45mm
30mm	38mm	48mm
32mm	40mm	50mm
34mm	42mm	55mm

T22 - Taper Rod

T-22Taper Rod: OAL		
600mm	1,500mm	3,000mm
900mm	2,400mm	4,000mm
1,200mm		

TJ-15LBS
TJ-20LBS
TS-55

Model	Weight kg	OAL mm	Max bpm	m ³ /min	Shank Size	Pt
TH-5S	5.8	425	3,400	0.85	5/8" Hex	1/2
TJ-15LBS	14.0	507	2,450	1.60	1" H x 4 1/4"	3/4
TJ-20LBS	18.5	610	2,400	2.50	1 1/4" H x 6"	3/4
TS-55	27.0	568	1,800	2.60	1 1/4" H x 6"	3/4

FAST - RELIABLE - DEPENDABLE

PNEUMATIC LEG DRILL



Made in Korea



BRD-24LD Rock Drill
coupled to BL-24: Air feed leg



Model	Weight kg	OAL mm	Max. bpm	Shank Size (mm)
BRD-24LD	26	660	1,800	7/8"H x 4 1/4"
BL-24	12	1,395	Extended length 2,360mm	

HYDRAULIC DRILLING MAST



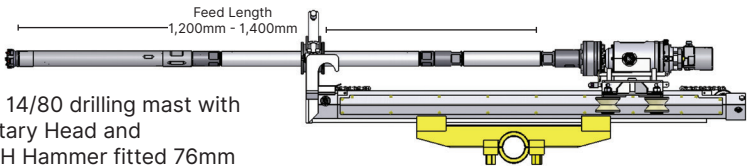
Made in Germany



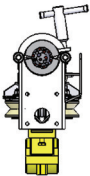
Founded in 1967, Germany.
Specialise Rock Drilling Solutions

Optional:

- Toku air rock drill TS-55
- Rockmore rotary head and DTH (down the hole) hammer



AK 14/80 drilling mast with
Rotary Head and
DTH Hammer fitted 76mm
drill bit



Model	Drill ø	Feed Length	Weight kg	OAL mm	Feed force
AK12/80	115	1,200mm	40	660	3,800kN
AK14/80	115	1,400mm	43	660	3,800kN

FAST - RELIABLE - DEPENDABLE

EARTH AUGER

TOKU 
Made in Japan

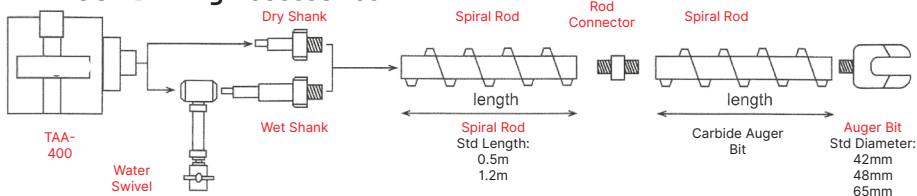


TAA-400



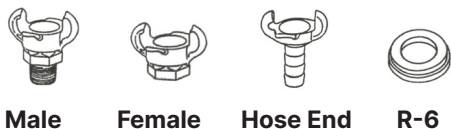
Very effective for drilling hole into very hard earth, soft rock, etc... To facilitate installation of anchor in tunnel, hill slope, etc...

TAA-400 - Drilling Accessories



Model	Weight kg	OAL mm	Speed rpm	Power Hp	m ³ /min	Pt
TAA-400	10.2	275	600-950	275	3.4	3/4

CLAW COUPLER - UNIVERSAL



HOSE CONNECTOR SET

HC-51



HC-52



HC-53 3/8" MT (1/2" Hose)



HC-54 1/4" MT (3/8" Hose)

HC-55



WIRE ARRESTOR / WHIP CHECK

9001SC 3mm x 520mm
Safety device to prevent
air hose from
disconnected



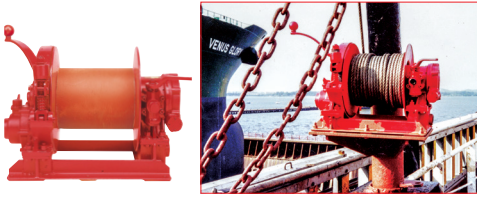
Standard 1/2" air hose x 1m (length)
other sizes on request

FAST - RELIABLE - DEPENDABLE

WINCH TAW Series



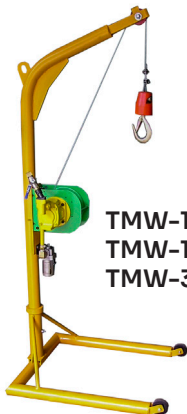
Made in Japan



- Compact and light
- Double Brake: Auto and Manual
- Free Drum - clutch lever switch
- Rugged marine operation
- Optional: Pendant remote control

Model	SWL kg	Rope Spd m/min	Wire Rope mm x m	Weight kg	L x W x H mm	Pt
TAW-300B	300	27	6 x 37	42.0	375x282x377	3/4
TAW-500	500	20	8 x 61	75.0	475x350x447	3/4
TAW-1000	1,000	11.5	10 x 91	90.0	581x350x448	3/4
TAW-1500A	1,500	8.5	12 x 60	90.0	581x350x448	3/4
TAW-2000	2,000	5.7	16 x 45	130.0	581x460x583	3/4

AIR MUCKING WINCH 100kg to 300kg



**TMW-100
TMW-150
TMW-300B**

STANDARD ACCESSORIES

- Oil Lubricator
- Mill test cert @125% loading

ADVANTAGES

- Built-in automatic brake: Operational safety
- Totally oil enclosed gear selection: low maintenance
- Light weight and compact size: Easy to handle and carry
- High speed lifting: High productivity, lower cost.



Model	SWL kg	Speed m/min	Wire Rope mm x m	Weight kg	Pt
TMW-100	100	24	4mm x 40m	54	1/2
TMW-150	150	24	5mm x 40m	56	1/2
TMW-300B	300	27	6mm x 37m	109	3/4
TCR-250DPE	250	8.1	40m chain	60	1/2

Option to fix a Toku TCR-250DPE air chain hoist

FAST - RELIABLE - DEPENDABLE
AIR CHAIN HOIST 250kg to 25ton

TOKU 
 Made in Japan



TCR-1000C2



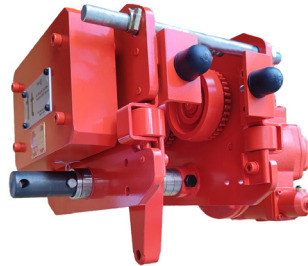
TMH-3000PE

TOKU air chain hoists are internationally used in marine and offshore industries

- Auto disc brake - built-in
- Built in silencer
- Variable speed operation
- Upper and lower hook-travel limiter
- Pull cord & pendant controller
- Manual & air powered trolley
- Mill test cert @ **125% SWL**



Pendant Control
 - Push button with
 E Stop



TMTNC - Air Powered Trolley

AIR BALANCER 140kg & 250kg



TMM-140AE puts 140kg lifting power with a one-hand controller

Specially designed for you

- Up-down thumb controller
- Built in silencer: 80dBA
- Speed-inching operation
- Left/right hand operation

FAST - RELIABLE - DEPENDABLE**AIR CHAIN HOIST**

Made in Japan

Suffix used: C - Cord Control ; P - Pendant ; E - E-Stop

Model	SWL kg	Fall	Lift Spd m/min	Weight kg	H - H mm	m ³ /min	Pt
TCR-250DPE	250	1	8.1	9	305	0.7	3/8
TCR-250C	250	1	9.0	7	305	0.8	3/8
TCR-500	500	1	10.5	30	465	1.5	1/2
TCR-1000	1,000	2	5.3	35	520	1.5	1/2
TCR-1000	1,000	1	6.0	32	466	1.5	1/2
TCR-2000	2000	2	3.0	34	580	1.5	1/2
TMH-3000	3000	1	5.4	98	540	3.9	3/4
TMH-6000	6,000	2	2.7	120	742	3.9	3/4
TMH-10T	10,000	2	1.4	160	890	3.6	3/4
TMH-25T	25,000	2	1.4	509	1,290	8.7	1-1/2

HIGH SPEED TYPE

Model	SWL kg	Fall	Lift Spd m/min	Weight kg	H - H mm	m ³ /min	Pt
TCS-250	250	1	34.0	18	414	1.7	1/2
TCS-500	500	1	17.0	21	414	1.7	1/2
TCS-1000	1,000	2	8.5	27	456	1.7	1/2

TROLLEY Air Powered

Model	SWL kg	Top Spd m/min	T. Radius m	I beam mm	m ³ /min	Weight kg
TMTNC-1	1,000	20.0	1.0	75-125	1.5	45
TMTNC-3	3,000	18.0	1.5	100-150	1.5	63
TMTNC-6	6,000	16.0	2.0	125-175	1.5	95

Model	SWL kg	Lift Spd m/min	HOL m	Weight kg	m ³ /min	Pt
TMM-140AE	140	11.0	2.0	10.0	0.6	3/8
TCR-250ME	250	8.0	2.0	10.0	0.7	1/2

FAST - RELIABLE - DEPENDABLE



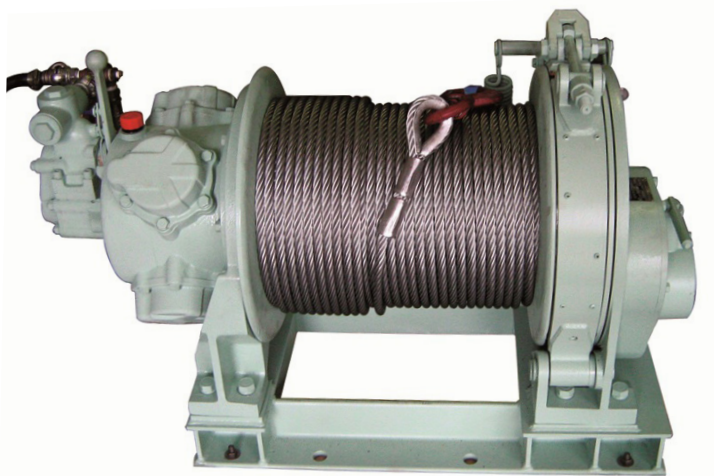
SAN-EI

Made in Japan

AIR WINCH 500kg to 5,000kg

Founded in 1925, San-ei Seiki Seisakusho Co Ltd is a specialized manufacturer for pneumatic winches used mainly in heavy industries such as petrochemical, marine and offshore etc.

SANEI Air Winch are sturdy and compact in design, incorporating work safety features and ability to operate at difficult environment with minimum maintenance.



- Soft lever control - optional remote pendant on request
- Rugged and compact design
- Safety brake - Manual or Auto
- Big diameter and long drum

Optional:

ABS Certification

Model	SWL kg	Rope Spd m/min	Wire mm x m	Weight kg	m ³ /min	Pt
W05-3LAC-AB	500	19	8 x 90	64	2.0	3/4
W10-220LAC-AB	1,000	37	10 x 350	288	5.4	1
W20-220LAC-AB	2,000	19	12.5 x 230	297	5.4	1
W30-36LAC-AB	3,000	19	16 x 320	527	9.0	1-1/2
W50-36LAC-AB	5,000	11	22 x 230	873	9.0	1-1/2

FAST - RELIABLE - DEPENDABLE
ELECTRIC WINCH Capacity 200kg

CE LIFTKET

Made in Germany



Liftket LSF-200

- Up/Down & E-stop Pendant
- Low voltage 24V control & IP-54
- Capacity SWL : 200kg
- Weight: 60kg
- Speed: 15m/min
- Drum Capacity: 5mm x 80m
- Power: 0.55kW
- Supply: 415V 3ph 50hz

BABY ELECTRIC WINCH Capacity 150kg



TOYO KOKEN K. K.

Made in Japan



MA-650MB : 150kg

- Enclosed gear box & oil cooled
- MB: Disc brake
- M: Anti-acceleration Brake
- Pendant control: Up/Down & E-stop
- Compact and light



**Optional:
MA-650MB
on J-stand**



**Liftket-electric
hoist on J-stand**

Model	SWL kg	Speed m/min	Wire Rope	Motor Watt	Voltage 50/60Hz	Weight kg
MA-650MB	150	24	5mm x 40m	650W	220v	28
MA-650M	150	24	5mm x 40m	650W	100v	30

FAST - RELIABLE - DEPENDABLE

ELECTRIC CHAIN HOIST 0.25ton to 25ton

CE LIFTKET

Made in Germany

HOOK SUSPENSION

TROLLEY SUSPENSION



STAR Liftket Hoist

- Modular system design
- Motor-fan cooled
- Hot climate operation
- IP-55 insulation class F
- Low headroom
- Clutch-brake - Patented
- Upper-lower limiters
- 24V low voltage pendant
- Thermal relay protection
- E-stop button for safety
- Supply: 415v 3ph 50hz
- Optional: 440v 3ph 60hz

STAR LIFTKET - 220V 1ph 50Hz/60Hz

Model	SWL kg	Fall	Speed m/min	Motor kW	Weight kg	H-H mm
050/02	500	1	8	0.7	33	462
050/02	1,000	2	4	0.7	35	515

STAR LIFTKET - 415V 3ph 50Hz (440V 3ph 60hz)

Model	SWL kg	Fall	Speed m/min	Motor kW	Weight kg	H-H mm	I-beam
021/51	250	1	8/2	0.32 / 0.08	17	432	50mm~ 300mm
021/51	500	2	4/1		19	485	
051/55	250	1	18/4.5	0.9/ 0.2	33	462	66mm~ 300mm
051/55	500	2	9/2.25		35	515	
030/52	500	1	8	0.7	18	432	66mm~ 300mm
030/52	1,000	2	4		20	485	

STAR LIFTKET 415V 3ph 50Hz (Optional 440V 3ph 60Hz)

Made in Germany

Model	SWL kg	Fall	Speed m/min	Motor kW	Weight kg	H-H mm	I-beam
071/53	500	1	10 / 2.5	0.9 / 0.2	42	492	66 mm ~ 300 mm
071/53	1,000	2	5 / 1.25		47	602	
070/53	1,000	1	10	1.7	42	492	66 mm ~ 300 mm
070/53	2,000	2	5		47	602	
071/55	1,000	1	6 / 1.5	1.1 / 0.2	42	492	66 mm ~ 300 mm
071/55	2,000	2	3 / 0.75		47	602	
070/56	1,250	1	8	1.7	42	492	66 mm ~ 300 mm
070/56	2,500	2	4		47	602	
091/56	1,600	1	10 / 2.5	3.0 / 0.75	88	616	82 mm ~ 300 mm
091/56	3,200	2	5 / 1.25		98	725	
110/52	2,500	1	10	4.0	90	728	90 mm ~ 310 mm
110/52	5,000	2	5		107	858	
111/54	3,200	1	8 / 2	4.4 / 1.1	118	728	90 mm ~ 310 mm
111/54	6,300	2	4 / 1		135	858	

LIFTKET 6,300kg -12,500kg

Model	SWL kg	Fall	Speed m/min	Motor kW	Weight kg	H-H mm	I-beam
B-13	6,300	1	5.6 / 1.4	6.4 / 1.6	224	995	140mm ~ 310 mm
B-13	12,500	2	2.8 / 0.7		254	1,090	

POWER LIFTKET 16,000kg -25,000kg

Model	SWL kg	Fall	Speed m/min	Motor kW	Weight kg	T-H mm	I-beam
235/50	16,000	2	3.2 / 0.8	12.5 / 3.1	668	1,700	140 mm~ 310mm
235/50	20,000	2	3.2 / 0.8				
235/50	25,000	2	3.2 / 0.8				

Electric Trolley

Turn radius:	Model 020-070 1.0m	Model 091 1.5m	Model 110-111 2.0m
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Option : we supply, install, PE & load test, MOM certification

FAST - RELIABLE - DEPENDABLE

AIR SAW & FILE



Made in Japan



AF-10S

- Muromoto air saw and filer are considered the best quality and reliability
- Design to lower vibration for easy handling



Model	Stroke mm	Stroke/min	Weight kg	OAL mm
AF-5A	5	3,500	0.38	158
AF-10S	10	5,500	0.75	201

Accessories

AF-5A	Saw blade - 36tpi (SB-36S)	File - flat ; round ; triangle
AF-10S	Saw blades - 14 ; 24 & 32 tpi	File - flat ; round ; triangle

AIR SHEAR



PSH-10



E300S
Standard Blade



E300
Long Blade (optional)
For straight Cutting



E300H
High Speed Steel Blade
(optional)

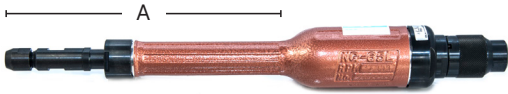
- Designed to cut flat material such as metal plate, rubber sheet, carpet, etc...

Model	Stroke/min	Weight kg	OAL mm	m ³ /min
PSH-10	1,900	1.23	225	0.45

FAST - RELIABLE - DEPENDABLE



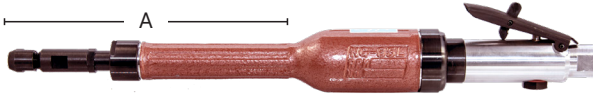
AIR DIE GRINDER Extended Body



NG-65LCR

Options:-

- Throttle: Roll or Lever
- 1/4" Collet



NG-65LCS

Standard collet diameter is 6mm

Model	Wheel Size	Free rpm	Weight kg	OAL mm	m³/min	A mm	Pt
NG-65LCR	38mm	16,000	1.35	370	0.5	205	3/8
NG-65LCS	38mm	16,000	1.40	425	1.5	205	3/8
NG-65LLCR	38mm	16,000	1.60	515	2.5	330	3/8

OPTIONAL ACCESSORIES



Please refer to Pg 41 for more options on **procut** Carbide Burrs



FLAP WHEEL with SHANK

Please refer to Pg 44 for more options on **EM2** abrasives



Please refer to Pg 45 & 46 for more options on Industrial Brushes.



WIRE BRUSH WITH SHANK

Please refer to Pg 45 & 46 for more options on Industrial Brushes.

FAST - RELIABLE - DEPENDABLE

INDUSTRIAL AIR TOOLS

EM2

Made in Japan



TW-6S

EM2 Impact wrench and screw driver

- Double hammer impact mechanism
- Power regulator
- Low vibration



KE-HR135

KE-HR135: Hybrid ratchet wrench power to unscrew cap of 44 gal. drum

Model	Drive	Torque kg.m	Weight kg	OAL mm	Speed rpm	Pt
TW-6S	3/8" Sq Dr	17.0	1.31	207	8,000	1/4
TW-6SD	1/4" Hex	17.0	1.50	215	6,750	1/4
KE-HR135	1/2" Sq Dr	14.0	1.70	340	180	1/4

BELT SANDER

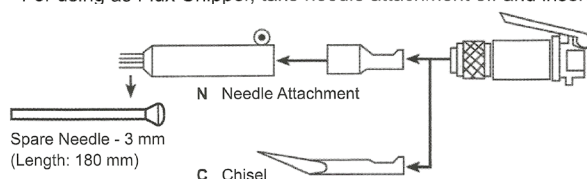


KE-380

Model	Belt Size mm	Weight kg	OAL mm
KE-370	10 x 330	0.8	290
KE-380	20 x 520	1.4	360

FLUX CHIPPER & NEEDLE SCALER

For using as Flux Chipper, take needle attachment off and insert chisel.



AFC-20N



AFC-30C

Model	Needle & Chisel	Weight kg	OAL mm	Pt
AFC-20C	C25 Chisel	1.8	180	1/4
AFC-20N	3mm x 13pcs	2.5	395	1/4
AFC-30C	C25 Chisel	1.7	210	1/4
AFC-30N	3mm x 19pcs	2.8	410	1/4

*Optional chisel on request: S25, F25

FAST - RELIABLE - DEPENDABLE

INDUSTRIAL AIR TOOLS



Made in Taiwan



SM-6N-6661/58
7" Angle Polisher
(Comes with wool polishing pad)



CCS-350D
Air Hacksaw



SM-67-6661/58
7" Angle Sander



SM-7H-7538
16mm Industrial Air Drill
(Forward Action only)



EP-100/100A
Engravepen

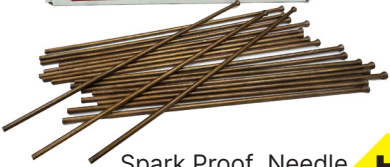
Model	Weight kg	OAL mm	Speed rpm	m ³ /min	Pt
CCS-350D	2.8	470	1,200	0.13	1/4
SM-67-6661/58	1.9	307	4,500	0.09	1/4
SM-6N-6661/58	1.9	307	2,500	0.09	1/4
SM-7H-7538	3.6	328	800	0.14	1/4
EP-100	0.22	140	13,000	0.02	1/4
EP-100A	0.22	140	13,000	0.02	1/4

FAST - RELIABLE - DEPENDABLE NEEDLE SCALER

TRELAWNYTM

Made in England







VL-303 Vibro-Lo

- Low vibration Level - 2.3 m/s²
- Low Noise - 109 dBA
- Standard: 3mm x 28 needle

Spark Proof Needle

- Beryllium Copper
- 3mm x 180mm 100/box
- BS-2873 & ATEX - CE



Model	Weight kg	OAL mm	BPM	Pt	No. of needle		
					2mm	3mm	4mm
VL-303	3.5	370	3,000	1/4	-	28	19
VL-303C	4.25	370	3,000	1/4	29	12	-

ATEX CERTIFIED LOW VIBRATION NEEDLE SCALERS



VL-EX • Low Vibro Needle Scaler
Needle scaler c/w spare needle (spark proof) and kit accessories.



ATEX



Low Vibration



Model	Weight kg	OAL mm	BPM	Needle Quantity	Vibra Aeq m/s ²	Noise dBA
VL223-Ex	2.35	370	2,400	19 x 3mm	2.56	90.7
VL203-Ex	2.70	340	2,400	19 x 3mm	2.75	90.7
VL303-Ex	3.51	370	3,000	28 x 3mm	2.30	109.5

FAST - RELIABLE - DEPENDABLE

NEEDLE/CHISEL SCALER



Made in England

1B-N
2B-N



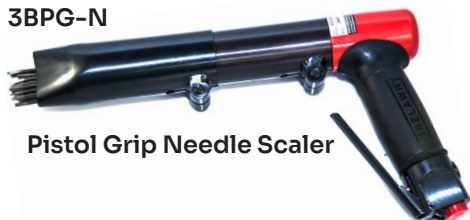
Straight Needle Scaler

1B-C
2B-C



Straight Chisel Scaler

2BPG-N
3BPG-N



Pistol Grip Needle Scaler

2BPG-C
3BPG-C



Pistol Grip Chisel Scaler

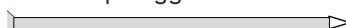
Spare Needle - 2mm : 3mm : 4mm



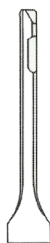
Flat Tip- reduces marks on surface



Chisel Tip- Aggressive removal



Pointed Tip- Very aggressive removal



Chisel - Options:

Part no. - Type x Blade width

T704-1101 - Straight x 19mm

T704-1103 - Straight x 60mm

T704-2105 - Curved x 35mm

T704-1110 - Straight x 50mm
(Spark Resistant)



Needle Scaler

Model	Weight kg	OAL mm	BPM	No. of needle		
				2mm	3mm	4mm
1B-N	1.7	343	3,800	29	12	-
2B-N	2.6	375	3,000	51	19	-
2BPG-N	2.6	315	3,000	51	19	-
3BPG-N	3.8	342	2,200	65	28	19

Chisel Scaler

Model	Weight kg	OAL mm	BPM	Chisel Type
1B-C	1.6	313	3,800	T704.2105
2B-C	2.0	343	3,000	T704.1101
2BPG-C	2.1	260	3,000	T704.1101
3BPG-C	2.6	339	2,200	T704.1101

FAST - RELIABLE - DEPENDABLE

SCALING HAMMER



Made in England



**VL SF-1 T Lo-Vibro
Single Piston**



**VL SF-1 T
Single Piston**



**SH-3H
Triple Piston**

SF & SH - Single and Triple heads

SF- Fixed with harden steel piston to scale off old paint on ship deck, metal surfaces, corrosion, etc

SH- Heavy built-body and integral piston system - chips off hard concrete floor and hard surfaces, etc...



**Spark Resistant
Head
Beryllium
Copper**
Part No.
606.5303



**Cruciform
Head
Tungsten
Carbide Tipped**
Part No.
426.5351



**Bush head
Tungsten
Carbide Tipped**
Part No.
426.5352



Taper Piston
Part No.
612.5301



Hard Steel
Part No.
612.5305

Model	Part No.	BPM	Weight kg	OAL mm
VL-SF-1T	196.5095	3,000	2.5	465
SF-3T	153.5300	3,000x3	3.7	460
SH-3H	153.5200	2,400x3	5.2	485
SF-1S	151.5180	3,800	2.5	485
SF-3S	153.5380	3,000 x 3	3.7	485



Integral Piston
Tungsten Carbide Tipped
Part No. 612.0125
Replacement part
MHS-11 & SH-3 H

FAST - RELIABLE - DEPENDABLE
MULTI HEAD SCALER

TRELAWNY™
Made in England



MHS-5

MHS-11



TCT 5 point bush head
Part No 441.5359
Replacement part MHS-5



Integral Piston
Tungsten Carbide Tipped
Part No. 612.0125
Replacement part
MHS-11 & SH-3 H

MHS-5

MHS-5 breaks very hard concrete & surface
set of 5 large piston with carbide heads

MHS-11

MHS-11 chips off concrete and hard surfaces
Set of 11 integral piston with carbide heads
Chips off concrete floor and hard surfaces, etc...

SF-11 (ATEX certified available)

SF-11 removal of rust on ship deck
Set of 11 carbide piston-heads to break up rust,
corrosion old paint, etc...
Width 300mm x Height 140mm

Model	Part No.	BPM	Weight kg	OAL mm	m ³ /min	Pt
MHS-5	159.5050	1,300 x 5	114.0	970	2.25	3/4
MHS-11	159.6000	2,200 x 11	70.0	1,290	1.98	3/4
SF-11	159.5910	3,000 x 11	36.0	1,210	1.98	3/4

FAST - RELIABLE - DEPENDABLE

TRIDENT NEPTUNE Deck De-Scaler



Made in England



Option

- Electric
- Air



Model	Power kw	RPM	Weight kg	Type
340.TN/S/110	0.55	3,000	34	110V 1ph 50/60Hz
340.TN/S/220	0.55	3,000	34	220V 1ph 50/60Hz
340.490/S	0.75	3,200	30	Air Pressure - 6kg/cm ²

Accessories

6 CUTTER SCALING HEAD							
Six Cutter Scaling Head 340.581	Cutter Wheel 340.332	Side Plate 340.575/2	Cutter Pin 340.583/12	Centre Bolt 340.581/A			
							
HEAVY DUTY SCALING HEAD							
Heavy Duty Scaling Head 340.550	Chipping Leaf 340.347	Side Plates (Set of 2) 340.551/2	Cutter Pin 340.553/12	Centre Bolt 340.552	Spacing Washer (Set of 50) 340.584/50		
							
HEAVY DUTY SCALING HEAD							
6" Power Brush 340.160	Centre Bolt 340.558	6" Twisted Knot Brush 340.163	Centre Bolt 340.559	Crimped Wire Cup Brush 340.166	Centre Bolt 340.557	Twisted Knot Cup Brush 340.167	Centre Bolt 340.557
							
Flexible shaft c/w Hand piece & Coupling 340.285				Hand Guard Assembly 340.633			
							

FAST - RELIABLE - DEPENDABLE

TFP-200 Floor Scarifier

TRELAWNY™

Made in England



Electric - 68kg

- Works on ship deck, concrete floor, etc..
- Width 195mm & 50mm side clearance
- Cutting depth adjustable

Supply voltage:-

- 380v to 440v 3-phase
- 220v single phase
- 110v single phase
- Petrol / Diesel / Others
- 50hz / 60hz



Model	Power kW	Rpm	Weight kg	Power Type
TFP-200E	3.0	1,750	68	Electric motor
TFP-200A	3.5	1,800	63	Air motor @ 6 bar

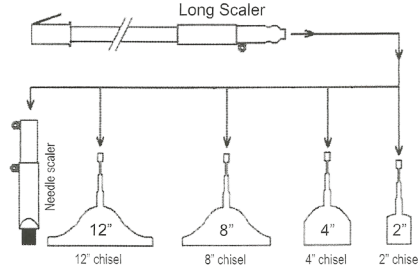
Spare Cutters Refills	Assembly
320.5500 Tungsten Carbide Tipped Cutter  For the removal of hard scale, thick coatings & corrosion. Used also for concrete texturing and scabbling	320.1020ST TCT Cutter Assembly 
320.3658 Star Cutter  For the removal of paint coatings and laitence, grease, dirt and ice deposit	320.1020SS Star Cutter Assembly 
320.5120 Beam Cutter  For the removal of paint coatings and laitence, grease, dirt and ice deposit	320.1020SB Beam Cutter Assembly 
320.9612 Crimp Brush  For general workshop cleaning and removal of light surface rust. For finish cleaning and polishing. Removal from steel shuttering	320.9610 Crimp Brush 
320.9622 Twist Knot Brush  For removal of floor stains or coatings and rust on flat steel surface.	320.9620 Twist Knot Brush 

FAST - RELIABLE - DEPENDABLE

LONG REACH SCALER



Made in England



Model	Weight kg	OAL mm	Bpm
LR-2	4.8	740	2,200
LR-5	6.25	1,400	2,200
LLR-5	4.05	1,400	2,200



LR-2
LR-5



Integral Chisel

T705.1106 - 2"

T705.1102 - 4"

T705.1100 - 2"
Spark proof



Shank Holder & Chisel Blade

T431.3504 - 4"

T431.3508 - 8"

T431.3512 - 12"



Spare Chisel Blade

T439.3504 - 4"

T439.3508 - 8"

T439.3512 - 12"

POLE SCABBLER



LRS-55 - designed for very heavy impact force to demolish hard concrete surface



- Weight: 13.4kg
- OAL: 1.4m
- Bpm: 1,100
- 5-point Tungsten carbide head



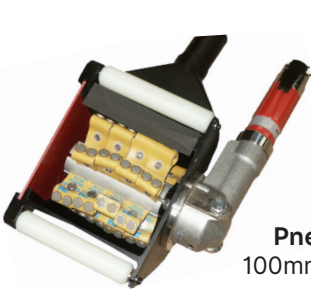
TCT 5 point bush head
Part No 441.5359

FAST - RELIABLE - DEPENDABLE
HYDRAFLEX Water Jet



Air Pressure	Water Volume	Weight w Gun	OAL mm	Weight w Tripod
100 psi	480 Ltr/min	5.6 kg	740	15 kg

PEENING TOOLS Handheld Scarifiers



- 100mm cutting width
- fine surface finishing
- remove epoxy, adhesive, etc...
- Optional: 110V / 220V

Pneumatic model 194.0405
 100mm cutting width with "C" Flaps



Part No.	Power	Weight kg	Rpm	Vibration level Aeq
194.0405	Air	4.10	2,700	3.10m/s ²
194.C405	Air	6.47	2,700	4.60m/s ²

Accessories:-



3M rotopeen flaps



Star cutters / Beam cutters

FAST - RELIABLE - DEPENDABLE

PENCIL GRINDER & TURBINE GRINDER



Made in Ireland



SPM-45R
SPM-60R



SDM-26L

Model	Max rpm	Hp	Weight (kg)	ø x L mm	Collet size (option)
SPM-45R	45,000	0.20	0.15	ø 20 x 132	1/8" or 3mm
SPM-60R	60,000	0.15	0.15	ø 20 x 132	1/8" or 3mm
ST-100	100,000	0.06	0.24	ø 31 x 150	1/8" or 3mm

DIE GRINDER

Model	Max rpm	Hp	Weight (kg)	ø x L mm	Collet size (option)
SD-45R-CC	45,000	0.20	0.24	ø 26 x 140	1/8" or 3mm
SD-45R-CE	45,000	0.20	0.24	ø 26 x 160	1/8" or 3mm
S-25	25,000	0.30	0.36	ø 34 x 163	1/8" or 3mm
SDM-26L	25,000	0.40	0.46	ø 36 x 167	1/4" or 6mm
P-25A	25,000	0.44	0.40	ø 35 x 160	1/4" or 6mm
SM-10LR	10,000	1.10	0.73	ø 40 x 213	1/4" or 6mm

ANGLE HEAD DIE GRINDER / SANDER



RPM-25R

Model	Max rpm	Hp	Weight kg	ø x L mm	Collet size (option)
RAM-20LR	20,000	0.40	0.52	ø 36 x 167 x 70	1/4" or 6mm
RPM-25R	25,000	0.15	0.23	ø 20 x 140 x 33	1/8" or 3mm

FAST - RELIABLE - DEPENDABLE

DIE GRINDER Extended body



Made in Ireland



SDM-26LRES



SDHM-30LR-150

Model	RPM	Hp.	Weight kg	ø x L mm	Collet size (option)
SDM-26LRES	25,000	0.40	0.45	ø 36 x 232	1/8" or 3mm
SDM-30LR-75	30,000	0.40	0.50	ø 36 x 206	1/4" or 6mm
SDHM-30LR-150	30,000	0.40	0.82	ø 36 x 288	1/4" or 6mm
SMX-16LR	16,000	1.1	1.3	ø 42 x 345	1/4" or 6mm

QUICK CHANGE DISCS Aluminium Oxide



- Ideal for grinding, deburring, blending & edge grinding on Ferrous & Non-Ferrous materials
- Excellent durability for edge grinding

Model	Grit No.	Dia. Ø mm	Max RPM	Disc Holder 1
AD20	50-320	20	37,000	ADH20
AD25	30-320	25	37,000	ADH25
AD38	30-320	38	25,000	ADH38
AD50	30-320	50	25,000	ADH50
AD75	30-320	75	20,000	ADH75

Standard Holder



AD Type	Dia Ø mm
ADH20	20
ADH25	25
ADH38	38
ADH50	50
ADH75	75

Short Reach Direct Attachment Holder



AD Type	Dia Ø mm
A420-010-20	50

FAST - RELIABLE - DEPENDABLE



Made in Ireland

ANGLE SANDER



RA-2

BELT SANDER



**BLM-16L
RAL-20L**

Model	RPM	Hp.	Weight kg	ø x L x H mm	Abrasive mm
RA-2	2,700	1.10	2.75	ø 40 x 279 x 95	D178 x 22
RA-5	5,500	1.10	2.75	ø 40 x 279 x 95	D178 x 22
RA-14-100-PA4	15,000	1.50	1.9	ø 40 x 261 x H85	D100 x 16

BELT SANDER

Model	RPM	Hp.	Weight kg	ø x L x H mm	Abrasive mm
BLM-16L	16,000	0.50	1.30	ø 40x350 x H120	W20 x 480
RAL-20L	20,000	0.40	0.85	ø 20 x 278 x H75	W12 x 305

ENGRAVEPEN



Air pen with solid carbide tip that writes on hard material such as glass, steel, etc...



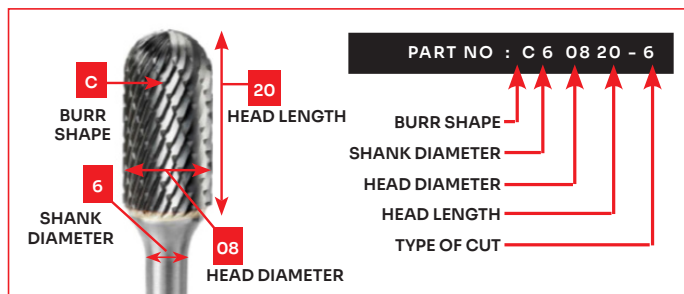
Model	Bpm	Weight kg	ø x L mm	dBA	Accessory
EP-400-1	540	0.15	ø 17 x 140	65	2.5m hose

FAST - RELIABLE - DEPENDABLE

TUNGSTEN CARBIDE BURR

procut

Made in Ireland



International renowned high quality carbide burrs. More than 50 years experience in metal working solution

How to order your burr; by Application: Cut, Shape and Size

Cut Selection Guide - other cut available on request; e.g. Cut 5

A		B		C		D		E	
F		G		H		J/K		L	
M		N		Special cut possible on request:  A6122.6-2 A62006-6 A62505-6					

Cut 2	Cut 3	Cut 6
Standard cut for general application	Fast Mill cut for rapid stock removal of softer non-ferrous materials, plastics	Double cut for general purpose use. Improves control & reduces chips.

FAST - RELIABLE - DEPENDABLE

Burr Set

procut

Made in Ireland



BS1 - 20 Piece Burr Set
(3mm Shank / Cut 2 & 4)

BS2 - 8 Piece Burr Set
(6mm Shank / Cut 6)

BS1A - 10 Piece Burr Set
(3mm Shank / Cut 6)

Part No.	Head Dia mm	Head Length mm	Shank Dia. mm	Sketch
Cylinder				
A30211	2.0	11.0	3	
A30314	3.0	14.0	3	
A30605	6.3	4.7	3	
A30612	6.3	12.7	3	
A60618	6.0	18.0	6	
A60820	8.0	19.0	6	
A61020	9.6	19.0	6	
A61220	12.7	19.0	6	
A61225*	12.7	25.0	6	
A61525*	16.0	25.0	6	
A62025*	19.0	25.0	6	
A62525*	25.0	25.0	6	

Cylinder with Endcut				
B30211	2.0	11.0	3	
B30314	3.0	14.0	3	
B30605	6.3	4.7	3	
B30612	6.3	12.7	3	
B60618	6.0	18.0	6	
B60820	8.0	19.0	6	
B61020	9.6	19.0	6	
B61225*	12.7	25.0	6	
B61525*	16.0	25.0	6	
B62025*	19.0	25.0	6	
B62525*	25.0	25.0	6	

Part No.	Head Dia mm	Head Length mm	Shank Dia. mm	Sketch
Ball Nosed Cylinder				
C30211	2.0	11.0	3	
C30312	3.0	14.0	3	
C30612	6.3	12.7	3	
C60618	6.0	18.0	6	
C60820	8.0	19.0	6	
C61020	9.6	19.0	6	
C61125	11.0	25.0	6	
C61225*	12.7	25.0	6	
C61525*	16.0	25.0	6	
C62025*	19.0	25.0	6	

Ball				
D30202	2.0	1.8	3	
D30303	3.0	2.5	3	
D30404	4.0	3.4	3	
D30505	5.0	4.7	3	
D30606	6.3	5.0	3	
D60606	6.0	4.7	6	
D60808	8.0	6.0	6	
D61010	9.6	8.0	6	
D61111	11.0	9.5	6	
D61212*	12.7	11.0	6	
D61515*	16.0	14.0	6	
D62020*	19.0	16.5	6	
D62525*	25.0	22.0	6	

Part No.	Head Dia mm	Head Length mm	Shank Dia. mm	Sketch
Oval				
E30306	3.0	6.0	3	
E30610	6.3	9.5	3	
E60610	6.0	10.0	6	
E60815	8.0	15.0	6	
E61015	9.6	16.0	6	
E61220*	12.7	22.0	6	
E61525*	16.0	25.0	6	
E62025*	19.0	25.0	6	

Ball Nosed Tree				
F30308	3.0	8.0	3	
F30312	3.0	14.0	3	
F30612	6.3	12.7	3	
F60618	6.0	18.0	6	
F60820	8.0	20.0	6	
F61020	9.6	19.0	6	
F61220	12.7	19.0	6	
F61225*	12.7	25.0	6	
F61525*	16.0	25.0	6	
F62025*	19.0	25.0	6	
F62032*	19.0	32.0	6	

Pointed Tree				
G30312	3.0	14.0	3	
G30612	6.3	12.7	3	
G60618	6.0	18.0	6	
G60820	8.0	19.0	6	
G61020	9.6	19.0	6	
G61220	12.7	19.0	6	
G61225*	12.7	25.0	6	
G61525*	16.0	25.0	6	
G62025*	19.0	25.0	6	

Flame				
H30306	3.0	6.0	3	
H30612	6.0	10.0	3	
H60820	8.0	19.0	6	
H61020	9.6	19.0	6	
H61232*	12.7	32.0	6	
H61535*	16.0	36.0	6	
H62042*	19.0	41.0	6	



*Optional: 8mm available
Extended-Long shank

Part No.	Head Dia mm	Head Length mm	Shank Dia. mm	Sketch
60°/90° Countersink				
J60606	6.0	4.0	6	
J61008	9.6	8.0	6	
J61210*	12.7	11.0	6	
J61512*	16.0	14.5	6	
J62018*	19.0	17.5	6	
K30303	3.0	1.5	3	
K60603	6.0	3.0	6	
K61004	9.6	4.7	6	
K61206*	12.7	6.3	6	
K61508*	16.0	8.0	6	
K62012*	19.0	9.5	6	

Ball Nose Cone				
L30310	3.0	10.0	3	
L30312	3.0	14.0	3	
L60618	6.0	18.0	6	
L60822	8.0	25.4	6	
L61026	9.6	30.0	6	
L61228*	12.7	32.0	6	
L61533*	16.0	33.0	6	
L62038*	19.0	41.0	6	

Cone				
M30311	3.0	11.0	3	
M30315	3.0	15.0	3	
M30612	6.3	12.7	3	
M60620	6.0	20.0	6	
M61020	9.6	19.2	6	
M61222*	12.7	22.0	6	
M61525*	16.0	25.0	6	

Inverted Cone				
N30304	3.0	4.0	3	
N30606	6.3	6.0	3	
N60606	6.0	8.0	6	
N61010	9.6	9.5	6	
N61212*	12.7	12.7	6	
N61520*	16.0	19.0	6	
N62015*	19.0	16.0	6	

Rim				
A6122.6-2	12.0	2.6	6	
A62006-6	19.0	6.0	6	
A62505-6	25.0	5.0	6	

FAST - RELIABLE - DEPENDABLE

ABRASIVES



How to select your Flap wheel with shank?

- Grind or polish
- Diameter and height. e.g. 50mm x 30mm
- Shank size: 3mm or 6mm
- Grit P40 to P320
- Customised abrasives upon request

FLAP WHEEL with SHANK



- Fan shaped abrasives for contoured metal surface grinding or finishing

FINISHING WHEEL



- Full nylon flaps or with abrasive cloth combination for buffing and surface finishing

FLAP WHEEL



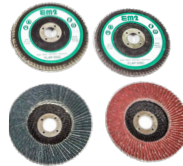
- For stainless steel grinding, polishing for hairline or after welding

CNS BLACK DISC



For derusting & surface preparation
 ø 100mm x 10mm x 16mm (ID)
 Max RPM: 13,700
 *Available in threaded lock

FLAP DISC



For grinding & metal removal
 ø 100mm x 16mm (ID)
 Max RPM : 13,700
 Available in :
 Alum Oxide Grits: P40 to P400
 Zirconia Grits: P60 to P120
 Premium Grits: P60 to P120

SANDING DISC



For quality finishing on most surfaces
 Grits : P16 to P400
 Sizes ø : 5", 6"
 Available in : 5 holes, 6 holes, stick it or Velcro backing types

SANDING BELT CLOTH



For surface finishing on contours
 Grits : P24 to P600
 Available in : Alum Oxide & Zirconia
 Sizes (mm) : 10 x 330, 12 x 305, 20 x 460, 20 x 520

CUP BRUSH (Flexible Type)

Model	Dia mm(in)	Width mm	Thread hole	Max rpm	Remark
CC-31	75 (3)	25	M10 x 1.5	12,500	For Air/Electric Tools
CCO-35	75 (3)	25	16 (5/8)	12,500	For Air Tools
CCO-45	100 (4)	30	16 (5/8)	9,000	
CCS-31	75 (3)	25	M10 x 1.5	12,500	Stainless Steel
CCOS-35	75 (3)	25	16 (5/8)	12,500	

CC-31

**CCO-35
CCO-45**

DISH BRUSH

Model	Dia mm(in)	Width mm	Thread hole	Max rpm	Remark
VO-45	100 (4)	20	16 (5/8)	12,500	For Air Tools
VA-41	100 (4)	20	M10 x 1.5	12,500	For Air/Electric Tools

VO-45

WIRE BRUSH WITH SHANK

Model	Dia mm(in)	Width mm	OAL mm	Shank mm	Max rpm	Remark
SWA-15	40 (1½)	10	10	6	18,000	Hi-speed use
SWA-30	75 (3)	13	20	6	12,000	
SW-15	40 (1½)	10	10	6	4,500	DIY type

SWA-30

END BRUSH

Model	Dia mm(in)	Width mm	OAL mm	Shank mm	Max rpm	Remark
SE-02	6 (¼)	20	70	6	20,000	For use on drills and high speed electric tools Made in Japan
SE-03	10 (3/8)	20	70	6	20,000	
SE-04	12 (½)	25	75	6	20,000	
SE-06	20 (¾)	25	75	6	20,000	
SE-140	20 (¾)	25	75	6	20,000	

SE-06

CUP BRUSH WITH SHANK

Model	Dia mm(in)	OAL mm	Shank mm	Max rpm	Remark
SC-15	40 (1½)	20	6	4,500	DIY type
SC-25	70 (2¾)	25	6	4,500	
SCS-15C	40 (1½)	20	6	4,500	Stainless Steel

SC-25


FAST - RELIABLE - DEPENDABLE
INDUSTRIAL BRUSHES

LESSMANN®
 THE GERMAN BRUSH COMPANY
 Made in Germany



KE



SE

END BRUSH

Model	Dia mm	Width mm	OAL mm	Shank mm	Max RPM	Material
SE-05	17	22	65	6	20,000	Brass Coated
SE-10	23	25	68	6	18,000	Brass Coated
SES-04	12	25	75	6	20,000	Stainless Steel
SES-10	23	25	68	6	18,000	Stainless Steel
SES-12	30	25	68	6	18,000	Stainless Steel
KE-10	29	28	72	6	20,000	Twist Knot / Steel Wire



KSW



SWA/SWAS

WHEEL BRUSH WITH SHANK

Model	Dia mm	Width mm	OAL mm	Shank mm	Max RPM	Material
SWA-20	50	12	10 - 12	6	15,000	Brass Coated
KSW-30	75	15	9	6	25,000	Twist Knot / Steel Wire
SWAS-20	50	12	10	6	15,000	Stainless Steel
SWAS-30	75	17.5	14	6	15,000	Stainless Steel



SC/SCS

CUP BRUSH WITH SHANK

Model	Dia mm	OAL mm	Shank mm	Max RPM	Material
SC-20	50	20	6	4,500	Brass Coated, For DIY
SC-30	75	22	6	4,500	Brass Coated, For DIY
SCS-25	60	25	6	8,000	Stainless Steel
SCS-30	70	25	6	6,000	Stainless Steel

FAST - RELIABLE - DEPENDABLE

AIRSET® AIR DUSTER



Made in Italy

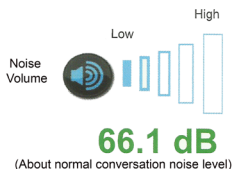
Features:

- Low output pressure at 30psi
- Low noise level at 66.1dBA
- Nozzle length 108mm



Protective Shield

Stock Code: 3908



Option: Silencer

Stock Code: 3903

Stock Code: 3907



TUCANO AIR DUSTER



L130 - w/o silencer (3902)

L130S- w silencer (3901)

Nozzle - 100mm

L520 - w/o silencer (3904)

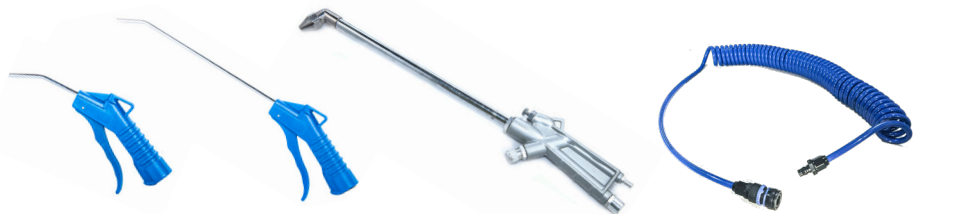
L520S - w silencer (3905)

Nozzle - 482mm

L1000- w/o silencer (3906)

Nozzle - 1,000mm

STANDARD AIR DUSTER



Air Duster nozzle

100mm

32NV040

Air Duster nozzle

270mm

32NV041

Air Water Cleaning Gun with alu body and 1.2mtr PVC hose

32NV042

Coil Hose Assembly

(2m, 4m, 6m and 8m)

-id 5mm x od 8mm

-id 6.5mm x od 10mm

-Max op. pressure: 10bar

FAST - RELIABLE - DEPENDABLE

QUICK COUPLERS



Made in Japan



**Metal
coupler**

Jopla coupler
Lighter & better

WHY - Plastic better than metal?

- Weight about 1/3 of metal coupler
- No rust & impact resistant
- Valve design ensures max air flow
- One touch connect / disconnect
- Plastic body is natural spark proof



TT



JT



TS



JS



TL-1NR



JF



JSL



JTL

Part No.	Size	Type
TS-2NR	1/4"	Socket - TS Male Thread
TS-3NR	3/8"	
TS-4NR	1/2"	

TT-2NR	1/4"	Socket - TT Hose End
TT-3NR	3/8"	
TT-4NR	1/2"	

Part No.	Size	Type
JS-02	1/4"	Plug - JS Male Thread
JS-03	3/8"	
JS-04	1/2"	

JT-02	1/4"	Plug - JT Hose End
JT-03	3/8"	
JT-04	1/2"	

Part No.	I.D.	Type
TN-5NR	5mm	Socket - TN Tube Connection
TN-6.5NR	6.5mm	
TN-8N	8mm	
TN-8.5N	8.5mm	
TN-9N	9mm	



Part No.	I.D.	Type
JN-5N	5mm	Plug - JN Tube Connection
JN-6.5N	6.5mm	
JN-8N	8mm	
JN-8.5N	8.5mm	
JN-9N	9mm	



FAST - RELIABLE - DEPENDABLE

QUICK COUPLERS



Made in Japan

High Performance metal coupler

Std Code	Size	Socket
22SH	1/4"	
23SH	3/8"	
24SH	1/2"	
44SH	1/2"	
46SH	3/4"	

Std Code	Size	Plug
22PH	1/4"	
23PH	3/8"	
24PH	1/2"	
44PH	1/2"	
46PH	3/4"	

Std Code	Size	Socket
22SM	1/4"	
23SM	3/8"	
24SM	1/2"	
44SM	1/2"	

Std Code	Size	Plug
22PM	1/4"	
23PM	3/8"	
24PM	1/2"	
44PM	1/2"	

Std Code	Size	Socket
22SF	1/4"	
23SF	3/8"	
24SF	1/2"	

Std Code	Size	Plug
22PF	1/4"	
23PF	3/8"	
24PF	1/2"	

SS: Stainless steel option

JOPLASTAR AIR DUSTER & ACCESSORIES

Reasons why we choose

JoplaStar TD-30HN

- Full Trigger reduces operator's fingers fatigue
- Flow controller knob
- Complete with 140mm nozzle for precise flow direction



NL-P-2

One to Two Line Connector

TF-10N



Hollow fiber filter

FL-600R



FL-600E



Optional

Jet Nozzle

TD-30HN - JoplaStar Air Duster is suitable for many applications such as blow drying, cooling and cleaning by air flow.

FAST - RELIABLE - DEPENDABLE

YOSHIDA AIR TOOLS



Made in Japan



YA-5K-20
120° Power Brush
(Roll Throttle)



YA-5K-20F
120° Power Brush
(Safety Lever)

Model	Throttle	Max. rpm	Brush mm	Weight kg	OAL mm	Pt
YA-5K-20	Roll	8,400	125 x 16	1.60	193	3/8
YA-5K-20F	Lever	8,400	125 x 16	1.63	223	3/8



YA-4C-12F
Angle Grinder
(Safety Lever)



YGT-6
Mini Palm Grinder

Model	Throttle	Max. rpm	D x T x B mm	Weight kg	OAL mm	Pt
YA-4C-12F	Lever	12,500	100 x 6 x 16	2.01	246	3/8
YGT-6	Lever	20,000	-	0.40	76	1/4

FAST - RELIABLE - DEPENDABLE

SMC-AIR TREATMENT SYSTEM

Filter Regulator Lubricator (F.R.L)



Filter Regulator
Lubricator (FRL)



Filter-Regulator
& Lubricator (FR+L)

Size Code	20	30	40	50	60	80
Air Inlet - FT	1/4	3/8	1/2	3/4	1	1 1/2
Max. Flow m³/min	0.8	1.5	3.0	6.0	7.0	12.0
Max Pressure	1.0MPa / 10 Bar					
Weight - kg	0.73	1.00	1.34	4.20	4.34	7.5



32NV050 - 1/4" PT
Mini Line Oiler



32NV051 - 3/8" PT
Mini Line Oiler

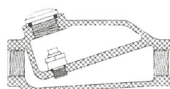


SR-3 - 1/4" PT
Mini air flow
regulator

AIR LINE LUBRICATOR



PL-400



EMLL-13



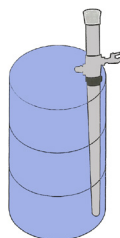
The Right Connection™
Made in USA

Model	PL-400	PL-400L	EMLL 13
In & Out	3/4" NPT	3/4" NPT	1" NPT
Oil cap.(ml)	110	320	1,300
Air Flow (cfm)	70	70	100
Weight (kg)	0.63	1.08	2.52

AIR HOSES

ID	OD mm	OAL m	WP PSI	BP PSI
1/4"	12.0	100	250	1,000
3/8"	16.0	100	250	1,000
1/2"	19.0	100	250	1,000
3/4"	26.5	100	250	1,000

BARREL PUMP



BDP 10

Model	BDP 10
Weight kg	5.3
OAL mm	1,175
Barrel OD ø mm	54
Flow Rate l/min	35

FAST - RELIABLE - DEPENDABLE

AIR HOSE REEL

ZECA products are well known all over the world for the quality and technology, due to strict conformity to the EEC rules, and are CE-marked.

ZECA

Made in Italy



9100/6



**AM80/8
AM85/10**



**AM86/10
AM86/13**



**813/8
813/10**



8804

- Suitable for air and water transmission - up to 20bar
- Ratchet stop device at every 50cm
- Complete with Quick couplers and 1 metre incoming hose

Model	Hose ID mm	Hose Lgth m	Max Pressure Bar	Weight (kg)	Casing
9100/6	5.5	6.5	12	2	Plastic
AM80/8	8.0	10.0	15	4.5	Plastic
AM85/10	10.0	16.0	15	8.0	Plastic
AM86/10	10.0	25.0	15	10.0	Plastic
AM86/13	12.5	16.0	15	10.0	Plastic
813/8	8.0	12.0	12	10.5	Aluminium
813/10	10.0	9.0	12	10.5	Aluminium
8804	12.5	16.0	20	20.0	Aluminium

FAST - RELIABLE - DEPENDABLE

CABLE REEL WITH LAMP

ZECA

Made in Italy



5907/328



5907/329



5907/370

Model	Description	Max Watt bulb	IP Status	Weight kg	Cable m
5907/328 230V	Cable reel with fluo lamp 328	11	Lamp IP 55	4.5	14 + 1.5
5907/329 230V	Cable reel with LED lamp 329	30 Led	Reel IP 42	4.5	14 + 1.5
5907/370	Cable Reel with lamp 370	60		4.5	14 + 1.5

RETRACTABLE CABLE REEL



4315



5822/XF
5825/XF
5834/XF
5838/XF



7315
7325
7525RNF

Model	No. of Conductor	Conductor mm ²	Voltage V	Weight kg	Cable m
4315	3	1.5	230/110	5.0	14 + 1
5822/XF	4	2.5	400	4.0	5.5 + 1.5
5825/XF	3	2.5	230/110	4.0	7 + 1.5
5834/XF	1	6.0	Grounding	4.0	12.5 + 1.5
5838/XF	8	1.0	Grounding	4.0	5.5 + 1.5
7315	3	1.5	230/110	10.0	25 + 2
7325	3	2.5	230/110	10.0	20 + 2
7525RNF	5	2.5	400/230	10.0	10 + 2

FAST - RELIABLE - DEPENDABLE RECHARGEABLE LED LAMP

ZECA

Made in Italy



Adjustable body



Magnetic base
& hook

KB 140

- Adjustable to 150°
- 400 Lumen
- 3hr operating time



Art. 342

- IP64
- 160 Lumen
- 9hr operating time



Art. 345

- IP64
- 430 Lumen
- 2.5hr operating time

SPRING BALANCER

Features:

- Die-cast aluminium case
- Easy adjustment to required capacity
- Two suspension points for safety

Model	Capacity kg	Travel mm	Weight g
630	0.4-1	1,600	630
631	1-2	1,600	670
632	2-3	1,600	790
633	2-4	2,500	2,850
634	4-6	2,500	3,000
635	6-8	2,500	3,100
636	8-10	2,500	3,200
637	10-14	2,500	3,500



Manufactured according to Directive 2006/42/CE, and to International Standards DIN 15112
ISO EN 12100-1
ISO EN 12100-2

FAST - RELIABLE - DEPENDABLE AUTOMOTIVE TOOLS



Made in Italy

VALVE GRINDER Art. 209



An essential air grinder in any workshop for a quick valve grinding.

- Light & easy to handle: 1.5kg
- Speed control by regulating air flow
- Comes with $\varnothing 22$, 33 and 40 rubber suction pads

BATTERY & ALTERNATOR TESTER Art. 210

Modern microprocessor tester for batteries and alternators. Simple, fast, intuitive and accurate to use.

Features:

- 12V Test
- Fast and easy - test time: 15sec
- LED display
- Weighs 1.5kg only



JUMBOZECA Portable Exhaust Gas Extractor Art. 673



Mechanics can work with vehicle engine running without causing air pollution

Specifications

- 220V, 1ph, 50Hz
- IP 54
- Includes 1.5m power cable (3C x 1.5mm²)
- Includes heat resistant (130°) ducting hose 6mtr x $\varnothing 120$ mm
- Capacity : 430m³/h
- Max hose length / height - 18m / 12m

Optional :

- Art 678 : Additional ducting hose - 6m

FAST - RELIABLE - DEPENDABLE

POLY-PTX® 800

Professional Complete Set (5801B)

Features:

- Mirror Finish in just 3 steps
- Hairline finishing in 1 simple step
- Variable Speed Control

Specification	
Speed (rpm)	1,000 - 3,500
Motor (Watt)	1,750
Voltage	220V, 50/60Hz
Grinding Width (mm)	100
Weight (kg)	3.3

POLY-PTX® 800

Basic Machine (5801A)



Completes with ECO adaptor and Fleece wheel Grit 80.



Made in Germany

**Handheld polisher
excellent for polishing
metal surfaces
up to mirror finish..**

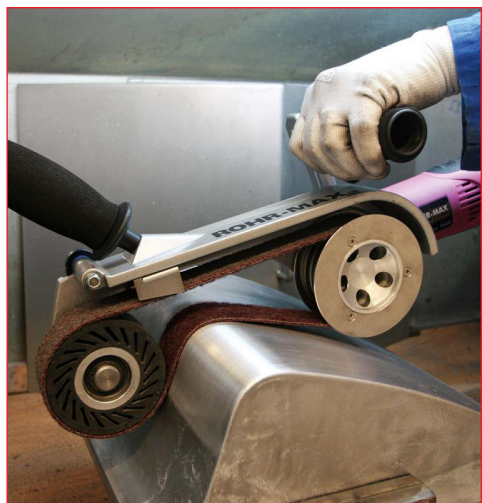


PIPE-MAX 802 HT (5803A)

Features:

- Perfect grinding and polishing on pipes
- Fast, easy belt changing
- Adjustable Handle for right or left handed operator

Specification	
Speed (rpm)	820-3,000
Motor (watt)	1,750
Voltage	230V 50/60Hz
Weight (kg)	4.8
Belt Dimensions (mm)	40 x 780



FAST - RELIABLE - DEPENDABLE

ACCESSORIES

Accessories	Applications	Dimensions
Eco Flap Wheel 	For removing rust, oxide layers, scratches and paint for regraining and burnishing metals	Ø 105mm x 100mm (Grit: 40, 50, 60, 80, 120, 180, 240)
Eco Fleece Wheel 	For the shadow-free completion of industrial grinding finishes (matt and satin), pre-polishing, removing oxide layers	Ø 105mm x 100mm (Grit: 60, 80, 180, 280, 400)
Zirconium Grinding Sleeve 	Removal of deep scratches, rust, scale and welds.	Ø 90mm x 100mm (Grit: 36, 40, 60, 80, 120, 150, 180)
Trizact Pyramid Sleeve 	Very high material removal whilst producing a very fine finish. Ideal for removing scratches and for pregrinding for polishing to a mirror finish	Ø 90mm x 100mm A160 - Grit 120 A100 - Grit 220 A65 - Grit 280 A45 Grit 400 A30 - Grit 600 A16 - Grit 1200 A06 - Grit 2000
SC Fleece Sleeve 	For removing minor scratches and oxide layers, matt and satin finishes, deburring and final grinding	Ø 90mm x 100mm Brown: Coarse - Grit 80 Red: Medium - Grit 180 Blue: Fine - Grit 280 Grey: Super Fine - Grit 400
Adaptor for Eco Smart Abrasives 	Adaptor for using Eco Smart abrasive with the POLY-PTX 800	Ø 45 mm, internal Ø 19mm with two keyways; width 100mm
Expansion Roller 	For use with Zirconium, Trizact™, SC Fleece, Felt and SuperPolish sleeves.	Ø 90mm x 100mm

Accessories for PIPE-MAX 802HT (5803A)

Special Zirconium Belt	For grinding spot welds, eliminates deep scratches and rust: G40/60/80/120	
SC Fleece Belt	For removing minor scratches & oxide layers to produce matt and satin finish: Coarse G80, Medium G180, Fine G280, Superfine G400	

FAST - RELIABLE - DEPENDABLE

METAL CORE DRILLING MACHINE



Made in Germany



V32

Features:

- Oil bath gearbox
- Built in height adjustment
- 230v, 50Hz / 60Hz



**RB35SP
RB50SP**



RB 100B RL-E

Specifications

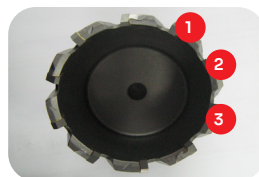
Type	RB 35SP	RB 50SP	50B RL-E	RB 100B RL-E	RB 130B	V32
Input (watt)	1,100	1,200	1,200	2,500	2,500	900
Speed (rpm)	450	250/450	100-250 180-450	50-150/ 75-230 100-310/ 160-490	30-80 / 50-120 130-350 / 210-550	450
Max ø of cutter (mm)	35	50	50	100	130	32
Max Cutting Depth (mm)	50	50	110	50/110	50/110	30
Min. Material Thickness (mm)	2	2	10	10	10	6
Size of Magnetic Foot: L x B (mm)	70 x 220	70 x 220	92 x 238	92 x 238	90 x 400	80 x 230
Weight (kg)	9.9	11.5	16	28	37	12.5

FAST - RELIABLE - DEPENDABLE

TCT CUTTERS



Made in Germany



- With Weldon Shank 19.0mm
- Available in cutting depths of 35mm, 50mm, 75mm, 100mm and 110mm
- Available in cutting diameter from 14mm to 100mm

ALFRA "Chip-breaker system"

1. Pre-cutter
2. Middle-cutter
3. Post-cutter

ACCESSORIES

Description	Product No.	RB 35SP	RB 50SP	50B RL-E	100B RL-E	Figure
Drill Chuck for Twist Drill Ø1-13mm	2822					
Drill Chuck MT2 & 3 for Twist Drill Ø1-16mm	MT-2 (2820) MT-3 (2821)					
Tool Holder MT2 & 3 for Ø12-60mm, depth 50mm	2808					
Tool Holder MT3 for Ø61-100mm, depth 50mm	2810					
Tool Holder MT3 for Ø12-60mm, depth 100mm	2809XL					
Tool Holder MT3 for Ø61-100mm, depth 100mm	2810XL					
Tapping Adaptor MT2 & 3	MT-2 (2818) MT-3 (2819)					



Complete with Machine



Optional Item

FAST - RELIABLE - DEPENDABLE

PNEUMATIC RIVETER & NUT INSERT TOOL



Made in Italy



RAC-83/95



RAC-211



KJ-60



RAC-230



Angular Head (Optional Accessory)

- Rivet Capacity : 2.4mm to 4.0mm
- To be used in confined area



K-1 Manual (Hand Riveter)

- Rivet Capacity : 2.4mm to 4.8mm

Model	Rivet Cap. mm	Max Power kg	Weight kg	OAL mm	Nozzle mm
RAC-83/95	2.4-4.8	535	1.40	220	2.4/3.2/4.0/4.8
RAC-211	2.4-4.8	677	1.40	270	2.4/3.4/4.0/4.8
RAC-182	2.4-6.0	1,071	1.70	295	2.4/3.4/4.0/4.8/6.0
RAC-230	2.4-4.8	960	1.60	443	2.4/3.2/4.0/4.8
RAC-171	4.8-7.8	1,750	2.93	325	4.8/5.0/6.4/7.8

Model	Max Power kg	Weight kg	OAL mm	Capacity - Insert Nut
KJ-60	1,450	2.10	295	M3/M4/M5/M6/M8
KJ-45/S	2,798	2.86	296	M4/M5/M6/M8/M10/M12

FAST - RELIABLE - DEPENDABLE

SCANGRIP®

INNOVATION FROM DENMARK

Made in Denmark

UNI-EX

Handheld Rechargeable Ex-Proof LED Work Light

FEATURES:

- EX Proof - II 2G Ex ib op IIC T4 Gb
II 2D Ex ib IIIC T120°C Db IP65
- Rechargeable with up to 6hr operation time
- Waterproof IP65
- Ergonomic design for a comfortable, firm grip
- Built-in magnet, belt clip and sturdy hook

TECHNICAL SPECIFICATIONS

- High efficiency COB LED
- Spot: SMD LED (step 1/step 2)
- 6h/3h operating time
- Spot: 3h
- 4 hours charging time



NOVA-EX R

Rechargeable Ex-Proof LED Work Light

FEATURES:

- NOVA-EX R- Rechargeable EX Proof LED Work Light
- EX Proof - II 2G Ex db eb mb op is IIC T4 Gb
II 2D Ex tb IIIC T85°C Db IP65
- Extremely durable – made of Die-casted Aluminium
- High light output - 1500 lumen
- Rechargeable with up to 4h operation time
- Waterproof IP65

TECHNICAL SPECIFICATIONS

- High efficiency COB LED (step 1/step 2)
- 750/1500 lumen
- 2h/4h operating time
- 5m charging cable
- 2 hours charging time
- 14 W power consumption



FAST - RELIABLE - DEPENDABLE

MOIL POINT & CHISEL

**THOMAS
TURTON**

Made in England

- Our moil point and chisel are carefully selected from international quality manufacturers to ensure you get the best value for money
- The OAL are guide length only, difference due to manufacturers' variance

Code	Toku Breaker	OAL mm
M1S	TPB-60 TPB-73 TPB-90	545
M1		625
M1L		780
C1		600
D1	Shank size 1-1/4" Hex x 6"	570
DW1		500
A1		545

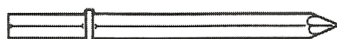
M4	TPB-30 TPB-40 TCD-30	575
M4L		1,330
C4S		510
D4		500
DW4	Shank size 1" Hex x 4-1/4"	485
A4		505

M9	TCD-20	480
M9L		700
M9LL		1,090
C9		475
S9	Shank size 7/8" Hex x 3-1/4"	480

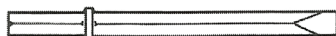
C2	Shank size 1-1/8" Hex x 6"	610
D2		570

Sketch

M: Moil Point - pointed end



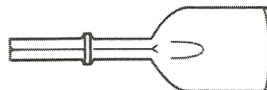
C: Chisel - narrow knife end



D: Digger - long flat chisel
D: width 3" ; DW: width 5"



S: Spade-curve wide blade



A: Asphalt cutter - short wide chisel



FAST - RELIABLE - DEPENDABLE

PULSE TOOLS Air & Cordless

Du-Pas®

Made in Taiwan



PW-35S3
Shut off Wrench



SCT-6-A / SCT-9-A
SCT-12-A
Shut off Screwdriver



TDIS-30
Shut off Wrench



TDCS-30SL07/17
Air Screwdriver



WRTBA-35S3
WRTBA-50S3
Shut off Screwdriver



TDIS -30S/50S
Shut off Wrench

Model	Drive Size	Bolt Capacity	Torque Range Nm	Weight kg	OAL mm
PW-35S3	3/8" Sq	-	22.0 - 35.0	1.74	243
SCT-6-A	1/4 Hex	6.0 (1/4")	1.0 - 6.0	0.95	238
SCT-9-A	1/4 Hex	6.0 (1/4")	1.5 - 9.0	0.95	238
SCT-12-A	1/4 Hex	6.0 (1/4")	2.0 - 12.0	0.95	238
WRTBA-50S3	3/8" Sq	M6-M10	22.0 - 50.0	2.0	579
WRTBA-35S3	3/8" Sq	M6-M8	10.0-30.0	1.6	480
TDCS-30SL07	1/4 Hex	M5	3.0 - 8.0	0.97	274
TDCS-30SL17	1/4 Hex	M4	2.0 - 4.5	0.97	274
TDIS-30	3/8" Sq	M6	6.5 - 13	0.89	167
TDIS-30S	3/8" Sq	M6	6.5 - 13	0.8	221
TDIS-50S	3/8" Sq	M8	14.0 - 28.0	0.8	221

FAST - RELIABLE - DEPENDABLE

IMPACT WRENCH



AB-1700P
Short Body - 1/2"



AW-100P - 1/2"
AW-170P - 3/4"



AW-422GL - 1"

Model	Sq Drive	Torque kg.m	Weight kg	OAL mm	Speed rpm	Pt
AB-1700P	1/2"	70	1.1	129	8,000	1/4
AW-100P	1/2"	82.6	1.8	160	7,500	1/4
AW-170P	3/4"	122	3.2	227	6,600	3/8
AW-422GL	1"	352	14.3	605	3,000	1/2

INDUSTRIAL AIR TOOLS



AB-10
Impact Screwdriver



DR-65
Straight Drill



AG-50C-3
Angle Die Grinder
(Roll Throttle)



AG-50C-3BF
Angle Die Grinder
(Lever Throttle)

Model	Capacity (mm)	Torque kg.m	Weight kg	OAL mm	Speed rpm	Pt
AB-10	8-10	30-70	1.1	215	8,000	1/4
DR-65	9.6 (3/8")	-	0.9	210	2,600	1/4
AG-50C-3	6	27	0.6	157	15,000	1/4
AG-50C-3BF	6	27	0.7	188	15,000	1/4

FAST - RELIABLE - DEPENDABLE

EXTENDED DIE GRINDER



DG-26L-1



DG-26L-1BF
Safety Lever

EXTENDED STRAIGHT GRINDER



SG-65HL-1 A = 295mm
SG-100HL-1 A = 250mm



SG-125HL-2 A = 585mm
SG-125HL-2M Lever A = 585mm

Model	Capacity (mm)	Torque kg.m	Weight kg	OAL mm	Speed rpm	Pt
DG-26L-1	25 x 13	22.5	0.8	297	24,000	1/4
DG-26L-1BF	25 x 13	22.5	0.9	306	24,000	1/4
SG-65HL-1	65 x 13 x 9.6	52.5	1.9	522	12,000	3/8
SG-100HL-1	75 x 19 x 9.6	67.5	2.7	585	12,000	3/8
SG-125HL-2	100 x 19 x 12.7	97.5	5.3	953	9,000	3/8
SG-125HL-2M	100 x 19 x 12.7	96.0	5.4	1,050	9,000	3/8

FAST - RELIABLE - DEPENDABLE

AIR SAW & FILE



Made in Taiwan

Specification	
Free speed (rpm)	5,000
Length (mm)	250
Weight (kg)	0.8
Cutting capacity (mm)	1.6



SHUT-OFF SCREW DRIVER



Push-start Type



Angle Head Type



Lever Type



Pistol Type

Model	Drive Size	Torque Range -Nm	Weight kg	OAL mm	Speed Rpm	Type
AP180-D	1/4 F/Hex	0.5 - 1.8	0.59	244	900	Lever
AP450-D	1/4 F/Hex	0.8 - 4.5	0.69	263	1,000	Lever
AP900-D	1/4 F/Hex	4.0 - 11.0	0.98	309	500	Lever
AP180A-D	1/4 F/Hex	0.5 - 1.8	0.88	298	900	Angle Head
AP500A-H-D	1/4 F/Hex	1.4 - 4.5	1.02	314	800	Angle Head
AP1100A-D	3/8" SQ	6.0 - 12.0	1.36	350	480	Angle Head
AP230P-D	1/4 F/Hex	0.7 - 1.8	1.03	198	3,500	Pistol
AP450P-D	1/4 F/Hex	0.8 - 4.5	1.03	209	2,000	Pistol
AP900P-D	1/4 F/Hex	4.0 - 11.0	1.15	238	500	Pistol
AP180PS-D	1/4 F/Hex	0.5 - 1.8	0.54	228	900	Push Start
AP450PS-D	1/4 F/Hex	0.8 - 4.5	0.64	244	1,000	Push Start
AP900PS-D	1/4 F/Hex	4.0 - 11.0	0.93	276	500	Push Start

* Other models and specifications available upon request

FAST - RELIABLE - DEPENDABLE

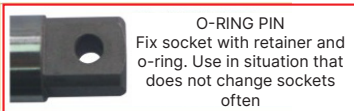
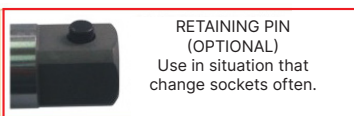
OIL PULSE WRENCH



Made in Taiwan

Features:

1. Reliable torque accuracy - +/-20%
2. Low noise and vibration
3. High efficiency and low maintenance



**Non Shut-off type
OBN series**



**Shut-off Type
OBT Series**

Model	Bolt size mm	Torque Range Nm	Weight kg	OAL mm	Speed rpm	Pt
OBN-30PD	5-6	6-12	0.70	131	4,000	1/4
OBN-40PD	6	13-22	0.70	131	4,000	1/4
OBN-50PD	6-8	20-35	0.77	134	7,000	1/4
OBN-70PD	10	40-60	0.95	155	6,000	1/4
OBN-90PD	12	80-100	1.30	165	5,200	1/4
OBN-100PD	12-14	90-125	1.66	172	4,600	1/4
OBN-180PD	16-18	220-300	3.00	226.5	3,200	3/8
OBT-60PD	8	16-32	0.95	170	6,000	1/4
OBT-90PD	10-12	42-85	1.45	192	5,000	1/4
OBT-100PD	12	75-130	1.70	198	4,500	1/4
OBT-250PD	16-20	250-450	4.20	221	3,600	3/8

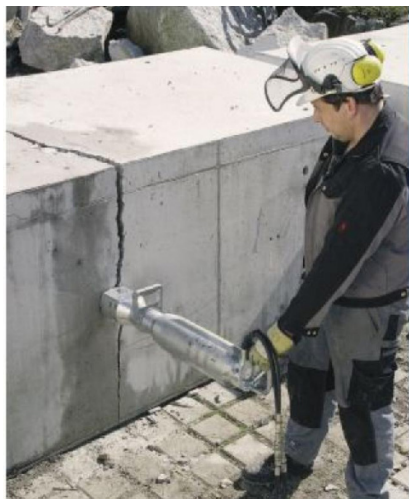
* Other models and specifications available upon request

FAST - RELIABLE - DEPENDABLE

ROCK SPLITTER Handheld

darda

Made in Germany



* C-12N delivers **358 ton** actual splitting force – quiet, non-explosive, no dust



Excavator mount - Splitter

* C-20N delivers **1,500 ton** of actual splitting force

Splitter

Model	Drill hole ø mm	Drill depth mm	Split Force	Split Gap	Weight kg	OAL mm
C9N	45-48	450	200ton	18mm	22	1,020
C12N	45-48	650	358ton	19mm	31	1,290
C20N	76	950	1,500ton	22mm	390	2,500

Power Pack

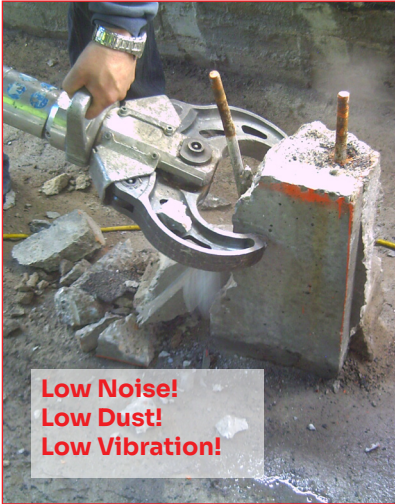
Model	Type of motor	Supply	Weight kg	Dimension-mm			# splitter
				L	W	H	
AP2	Air motor	6kg/cm ²	40	600	398	426	3
BP2	Petrol engine	Petrol	40	600	398	426	3
EP2	Electric motor	220V/415V	50	600	398	426	3
D4	Diesel engine	Diesel	137	1,180	720	730	5

FAST - RELIABLE - DEPENDABLE

ROCK CRUSHER Handheld Crusher & Cutter



Made in Germany



**Low Noise!
Low Dust!
Low Vibration!**

HCS-8 J Concrete Crusher

- **Crushing Force - 8.6 ton**
- **Weight - 16.5kg**
- **OAL - 715mm**



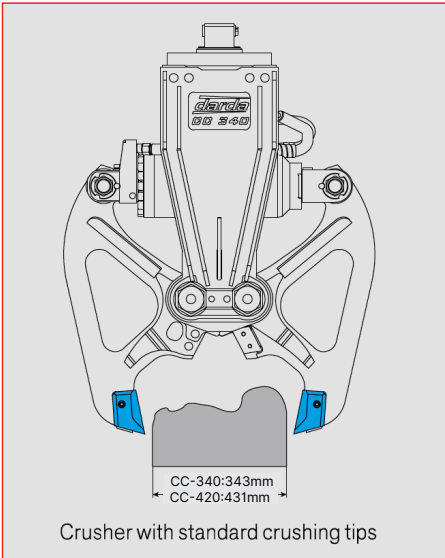
Sickle
Cutter



Shear
Cutter

Model	Type	Jaw Width
HCS 8J	Concrete	17cm
HCS 8B	Brick Jaw	32cm
HCS 8S	Sickle	9cm
HCS 8C	Shear	25cm

EXCAVATOR MOUNTED CRUSHER



CC-340

- **Crush power 36 ton**
- **Jaws open 34cm**
- **Weights 150kg**
- **1.5-2.7 ton mini excavator**

CC-420

- **Crush power 43 ton**
- **Jaws open 43cm**
- **Weights 240kg**
- **2.5-4.5 ton mini excavator**

CC-340:343mm
CC-420:431mm

Crusher with standard crushing tips

FAST - RELIABLE - DEPENDABLE

CORDLESS TOOLS



Made in China



29DW800M2T Drill Driver

- Voltage : 20V
- Max Torque : 90Nm
- No Load Speed : 0-650/ 2,000rpm
- Chuck Capacity : 13mm
- Weight (Tool Only) : 1.3kg
- Length x Height : 164 x 210mm
- Comes w 2 x 4.0Ah Battery, charger & carrying case



29DW891N 1/2" Impact Wrench

- Voltage : 20V
- Max Torque : 813Nm
- No Load Speed : 0-600/ 1,200/ 2,000rpm
- Impact Per Minute : 0-800 /1,900 / 3,250bpm
- Weight (Tool Only) : 1.7kg
- Comes w 2 x 5.0Ah Battery, charger & carrying case



29DW273P2 Rotary Hammer

- Voltage : 20V
- Impact Energy : 2.1J
- Drill Cap : Concrete Ø24mm / Wood Ø26 / Metal Ø13mm
- No Load Speed : 0-1100rpm
- Blow Per Minute : 0-4,600bpm
- Weight (Tool Only) : 2.5kg
- Length x Height : 301 x 202mm
- Vibration Level : 6.6m/s²
- Comes w 2 x 5.0Ah Battery, charger & carrying case



29DW406N 4" Angle Grinder

- Voltage : 20V
- Wheel Diameter : 100mm
- No Load Speed : 9,000rpm
- Switch Type : Paddle Switch
- Spindle Thread : M10
- Weight (Tool Only) : 1.74kg
- Length x Height : 310 x 125mm
- Comes w 2 x 5.0Ah Battery, charger & carrying case



29DW426N Die Grinder

- Voltage : 20V
- Wheel Diameter : 38mm
- No Load Speed : 1,0000-2,5000rpm
- Switch Type : Trigger Switch
- Weight (Tool Only) : 1.2kg
- Length x Height : 380 x 85mm
- Comes w 2 x 5.0Ah Battery, charger & carrying case

OPERATION & MAINTENANCE INSTRUCTION FOR AIR TOOLS

Proper operating procedure and regular maintenance greatly affect the performance, safety and durability of air tools. The following instructions must be complied before operating the air tools to ensure proper performance, durability and safety.



AIR COMPRESSOR

Air tools are designed to be operated at air pressure of 5 to 7kg/cm² at the air inlet during operation.

Air compressor distribution capacity should be 20% more than the recommended air consumption of the tool specification to compensate for air loss through piping system. In general, a 10HP compressor can deliver 1m³/min of air at 6kg/cm².



DUST-PROOF & ANTI-CORROSION

Dust and moisture will affect the performance of air tools, therefore, an air treatment system. Filter-Regulator Lubricator should always be equipped in the piping. The oil in the lubricator should also be checked regularly.

Before storing your air tools for an extended period of time, carefully clean, lubricate and place them in an area where they would not collect dust or moisture. It is generally a good idea to save the original packaging for such a situation.



LUBRICATION

Lubrication is very important to ensure smooth and long life operation of air tools.

However, as air tools are generally lubricated and tested before delivery, non/poor performance may occur in some situation due to long term storage. In this case, we suggest that we loosen up the dried lubricant with small amount (3 ~ 5 ml) of anti-corrosive light hydraulic oil (e.g. H32, etc.) and try operating the tool again.



MAINTENANCE & PERIODICAL INSPECTION

Air tool parts are precision-machined items. Throwing, dropping or rough handling is strictly prohibited. Periodical inspection will increase the durability performance and efficiency of the air tool. Check air line regularly to ensure clean air is supplied to the air tools.

Take the necessary precautions to protect yourself from possible injury. **Always use safety goggles** or face shield. Be mindful of loose clothing—ties, short sleeves, jackets etc. — that could become entangled with a tool.

LIMITED WARRANTY

All products in our quality package are warranted to be free from defects in material and workmanship for twelve months from the date of purchase. The warranty applies only to the products purchased from us or other authorized distributors and will not apply to products that have been abused, misuse, modified or repaired by unauthorized Service Centres.

There are no warranties expressed or implied, and we shall not be responsible or liable for any damages, handling and logistic costs, or any other expenses resulting from the use of our product except only the cost of repair and parts replacement.

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ISSUE : CAT2025