



**AUTOMOTIVE
SERVICE EQUIPMENT**

GENERAL CATALOGUE



Sections

- A** VEHICLE INSPECTION EQUIPMENT
- B** LIFT, JACK AND PRESS
- C** WASHING EQUIPMENT
- D** TIRE SERVICE EQUIPMENT
- E** BRAKE SERVICE EQUIPMENT
- F** BODY REPAIR AND PAINTING EQUIPMENT
- G** LUBRICATING EQUIPMENT
- H** ENGINE RECONDITIONING EQUIPMENT
- I** ELECTRICAL EQUIPMENT
- J** MESURING INSTRUMENTS
- K** AIR COMPRESSOR AND ACCESORY
- L** AIR AND ELECTRIC TOOLS
- M** GARAGE SERVICE EQUIPMENT

Reference  for Motor cycle  for Passenger car  for Truck and Bus

- Section A -

VEHICLE

INSPECTION

EQUIPMENT

[LINE MASTER — ALM]   

Line Master

Vehicle Inspection System

Line Master



Control unit



Radio remote control

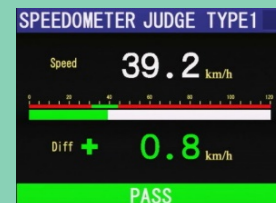
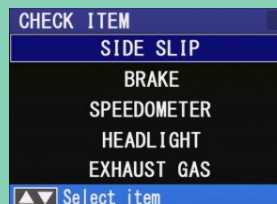


LCD monitor (22-inch standard)
Other sizes are optional

Connect devices and organize
Your

Vehicle Inspection Line

- ☐ Side-Slip Tester
- ☐ Brake and Speedometer Tester
- ☐ Headlight Tester
- ☐ Exhaust Gas Tester
- ☐ Opacimeter



Side-slip tester

BS tester

Headlight tester

Exhaust gas tester

Opacimeter

LCD monitor

Control unit

Radio remote control

Showroom display (option)

Comprehensive Vehicle Inspection Line System "Line Master"

ALM Series

[Headlight Tester — HLI-2015, HLI-215]



- Specification

Model	HLI-2015	HLI-215
Type	Image processing, automatic	Image processing, manual
Object to measure	High-beam, low-beam, fog-lamp	
Power requirement	Single-phase	
Size	L745 x W994 x H1,520 mm	L626 x W870 x H1,728 mm
Weight	170 kg	130 kg

[Headlight Tester — HL-220S]



- Specification

Model	HL-220S
Type	Screen, manual
Object to measure	High-beam, low-beam, fog-lamp
Power requirement	Size D Battery x 4
Size	L560 x W800 x H1,525 mm
Weight	56.5 kg

[Hybrid-Tester — ABS-206, ABS-210, ABS-212]



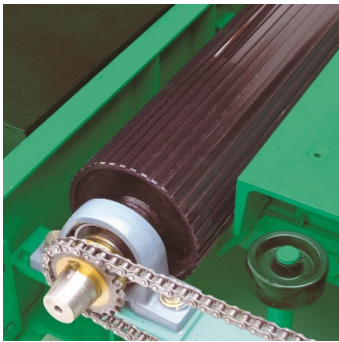
ABS-212



ABS-206

ABS-210

ABS-212



Grooved roller



Grooved quiet roller



Wireless Remote Control



Digital Indicator

- Specification

Model		ABS-206	ABS-210	ABS-212
Type		Grooved roller		Grooved quiet roller
Max. axle load		3,000 kg	3,600 kg	
Measurable range / Side slip		0.0 to 15.0 m/km		
Max. braking force		1,000 daN	1,200daN	
Max. test speed		120 km/h		
Air pressure		0.97 MPa		
Power requirement	Indicator	Single-phase		
	Motor	Three-phase 0.75 kW x 2		
Size		L630 x W2,678 x H250 mm		
Weight		Approx. 750 kg	Approx. 850 kg	

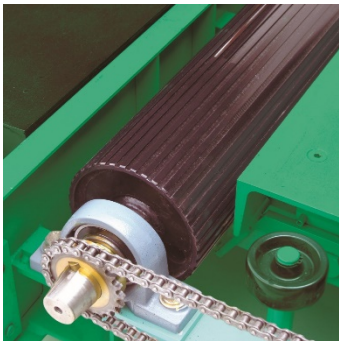
[Brake and Speedometer Tester — BS-204, BS-210, BS-212]



BS-204

BS-210

BS-212



Grooved roller



Grooved quiet roller



Wireless Remote Control Digital Indicator

- Specification

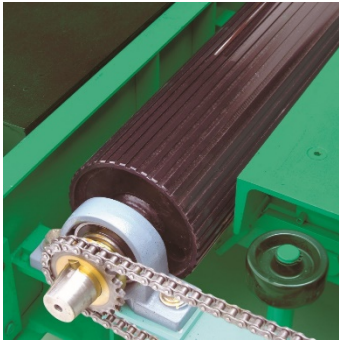
Model		BS-204	BS-210	BS-212
Type		Grooved roller		Grooved quiet roller
Max. axle load		3,000 kg	3,600 kg	
Max. braking force		1,000 daN	1,200 daN	
Max. test speed		120 km/h		
Air pressure		0.97 MPa		
Power requirement	Indicator	Single-phase		
	Motor	Three-phase 0.75 kW x 2		
Size		L630 x W2,678 x H250 mm		
Weight		Approx. 530 kg	Approx. 580 kg	

[Brake and Speedometer Tester — BS-2009, BS-2012]



BS-2009

BS-2012



Grooved roller



Grooved quiet
roller



Wireless Remote Control



Analogue
Indicator



Digital Indicator

- Specification

Model		BS-2009	BS-2012
Type		Grooved roller	Grooved noiseless roller
Max. axle load		10,000 kg	
Max. braking force		3,000 daN	
Max. test speed		120 km/h	
Air pressure		0.7 MPa	
Power requirement	Indicator	Single-phase	
	Motor	Three-phase 1.5 kW x 2	
Size		L790 x W3,800 x H456 mm	
Weight		Approx. 1,200 kg	

[Side-Slip Tester — ST-211H]

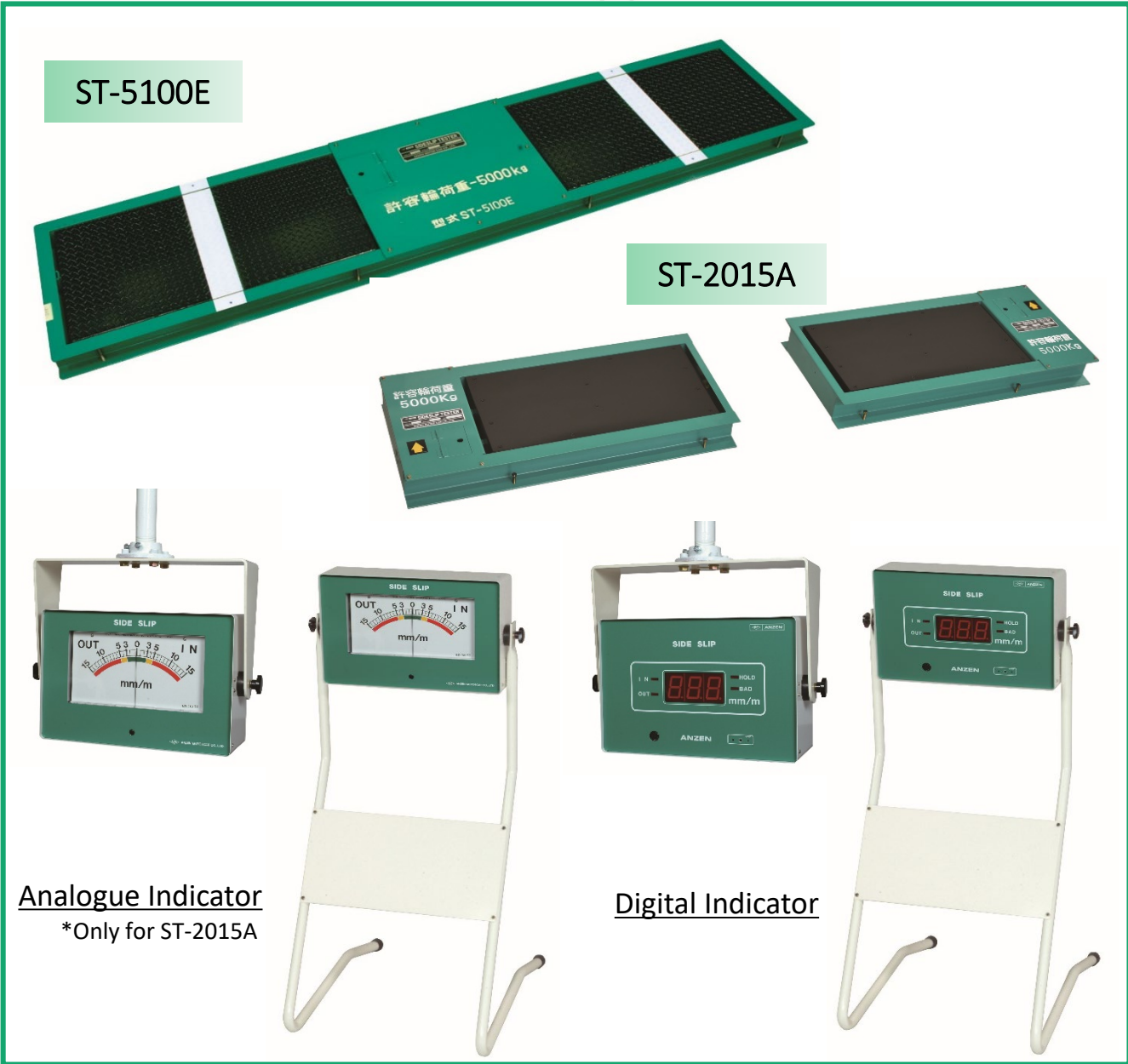


Digital Indicator

- Specification

Model	ST-211H
Object to measure	Side slip
Measurable range	0.0 to 15.0 m/km
Max. axle load	3,600 kg
Power requirement	Single-phase
Size	L570 x W2,490 x H125 mm
Weight	Approx. 200 kg

[Side-Slip Tester — ST-5100E, ST-2015A]



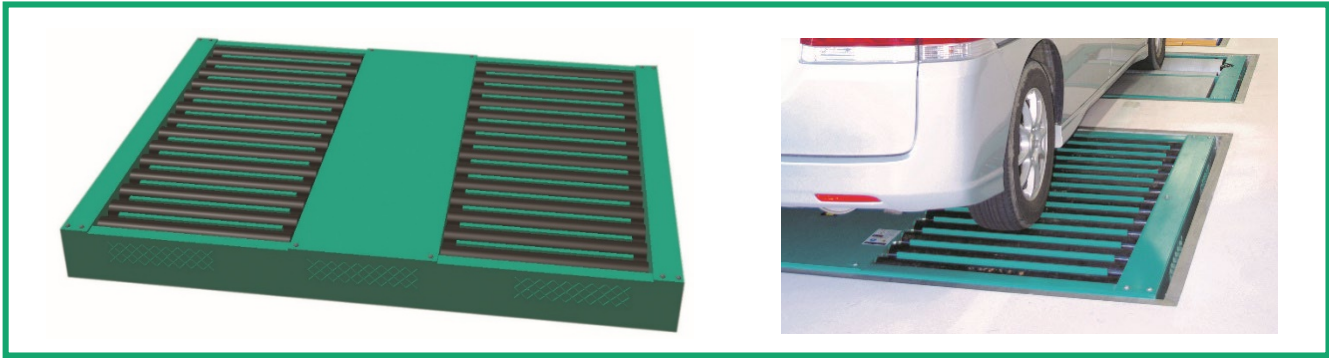
Analogue Indicator
*Only for ST-2015A

Digital Indicator

- Specification

Model	ST-5100E	ST-2015A	
Object to measure	Side slip	Side slip, axle slip	
Measurable range	IN/OUT 0.0 to 15.0 m/km	Side Slip	IN/OUT 0.0 to 15.0 m/km
		Axle Slip	0.0 to ± 40.0 m/km
Max. axle load	10,000 kg		
Power requirement	Single-phase		
Size	L610 x W2,860 x H140 mm	L660 x W1,415 x H156 mm	
Weight	Approx. 310 kg	Approx. 400 kg	

[Multi-axis Free Roller — AFR-211-14]



- Specification

Model	AFR-211-14
Max. axle load	3,600 kg
Max. test speed	50 km/h
Effective wheelbase	1,800 to 3,200 mm
Air pressure	0.7 to 1.0 MPa
Power requirement	Single-Phase
Size	L1,840 x W2,679 x H250 mm
Weight	Approx. 1,300 kg

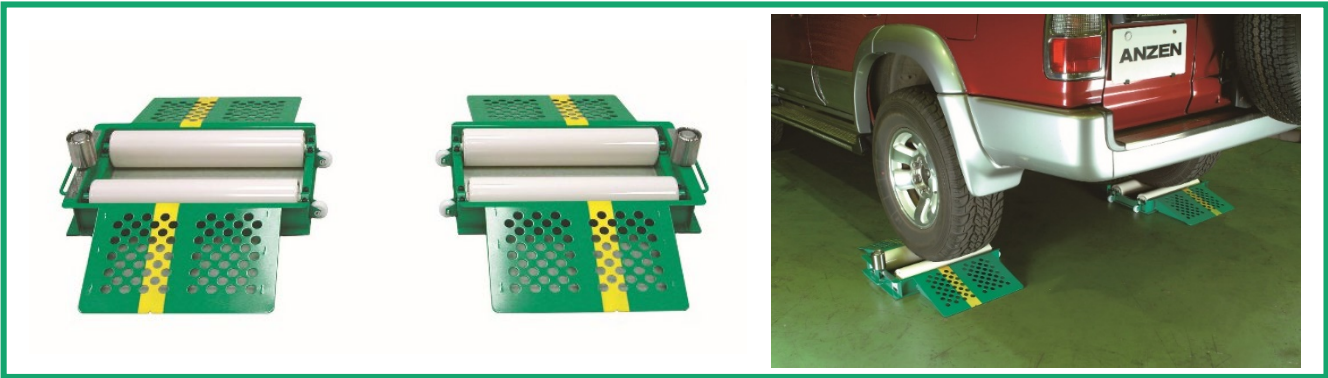
[Free Roller — AFR-2006]



- Specification

Model	AFR-2006
Max. axle load	10,000 kg
Max. test speed	120 km/h
Air pressure	0.5 MPa
Power requirement	Single-phase
Size	L730 x W3,400 x H370 mm
Weight	Approx. 750 kg

[Portable Free Roller — FRS-750]



- Specification

Model	FRS-750
Max. axle load	750 kg
Max. test speed	50 km/h
Size	L990 x W700 x H121 mm
Weight	Approx. 35 kg / one side

[Weight Scale — ZAK-06W-02, AK-06W-10]



- Specification

Model	ZAK-06W-02	ZAK-06W-10
Measurable range	2 to 16 ton	10 to 80 ton
Measurable weight	2 ton per unit, max. 8 units can be linked	10 ton per unit, max. 8 units can be linked
Power requirement	Single-phase, rechargeable	
Size	L380 x W500 x H34 mm	L500 x W900 x H34 mm
Weight	Approx. 13.8 kg / Pad	Approx. 27 kg / Pad
Control unit	Model : MS-06W, Size : L250 x W270 x H124 mm, Weight : 4.2 kg	

[Exhaust Gas Tester — ZKE]



- Specification

Model	ZKE			
Object to measure	CO , HC , CO ₂ , O ₂ (Option) , AFR , LAMBDA			
Measurable range	CO	0 to 10.00% vol	HC	0 to 10,000 ppm vol
	CO ₂	0 to 20.00% vol	O ₂	0 to 25.00% vol
Power requirement	Single-phase			
Size	L365 x W270 x H156 mm			
Weight	Approx. 5 kg			

[Exhaust Gas Tester — MEXA-584L]



- Specification

Model	MEXA-584L			
Object to measure	CO , HC , CO ₂ , O ₂ (Option) , NO(Option) , AFR , LAMBDA			
Measurable range	CO	0 to 10.00% vol	CO ₂	0 to 20.00% vol
	NO	0 to 5,000 ppm vol	O ₂	0 to 25.00% vol
	HC	0 to 10,000 or 20,000 ppm vol		
Power requirement	Single-phase			
Size	L357 x W260 x H157 mm			
Weight	Approx. 4 kg			

[Opacimeter — DEX-200T]



- Specification

Model	DEX-200T	
Measurable range	Opacity [N]	0.00 to 99.9%
	Light absorption coefficient [K]	0.000 to 9.999 m-1
Power requirement	Single-phase	
Size	L190 x W400 x H195 mm	
Weight	Approx. 7.3 kg	

[Opacimeter — MEXA-600S]



- Specification

Model	MEXA-600S	
Measurable range	Opacity [N]	0.00 to 99.9%
	Light absorption coefficient [K]	0.000 to 9.999 m-1
Power requirement	Single-phase	
Size	Control unit	L335 x W260 x H157 mm
	Detector unit	L258 x W472 x H395 mm
Weight	Control unit	Approx. 3.5 kg
	Detector unit	Approx. 6.5 kg

[Exhaust gas tester and opacimeter carrier — HSC-2]



- Specification

Model	HSC-2
Size	L420 x W600 x H585 mm
Weight	Approx. 6 kg

[Opacimeter Carrier — HSC-3]



- Specification

Model	HSC-3
Size	L340 x W450 x H850 mm
Weight	Approx. 5 kg

[Sound Level Meter — NL-27]



- Specification

Model	NL-27	
Measurable range	A-weighting	30 to 137 dB
	C-weighting	36 to 137 dB
Power requirement	Size AAA [IEC R03] battery x 2	
Size	L23.5 x W63 x H120 mm	
Weight	Approx. 0.1 kg	



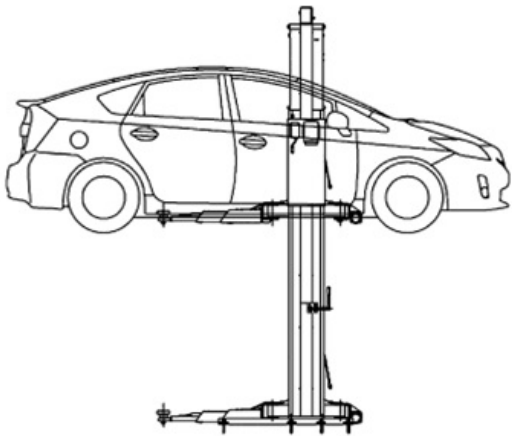
Memo

- Section B -

LIFT, JACK
AND PRESS

[2-Post Lift — OSP3500N, NSP3500N] 

OSP3500N

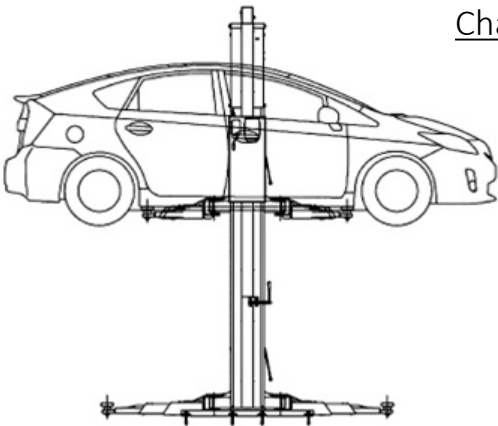


Asymmetric type



Chain type

NSP3500N



Symmetric type

- Specification

Model	OSP3500N	NSP3500N
Type	Asymmetric	Symmetric
Capacity	3,500 kg	
Vertical travel	1,800 mm	
Power requirement	Three-phase, 1.5 kW	
Height	2,836 mm	

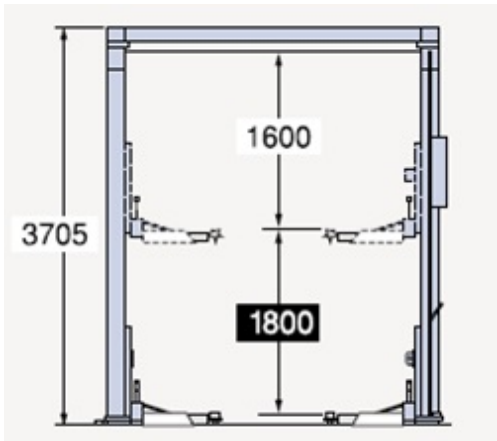
[2-Post Lift — OSA3500N, OSA3500NH, NSA3500N, NSA3500NH]



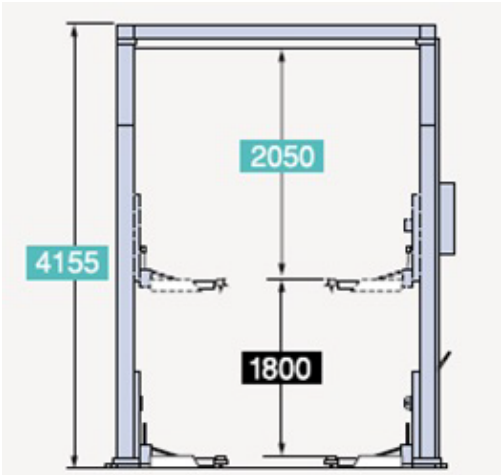
NSA3500N



Chain type



OSA3500N, NSA3500N



OSA3500NH, NSA3500NH

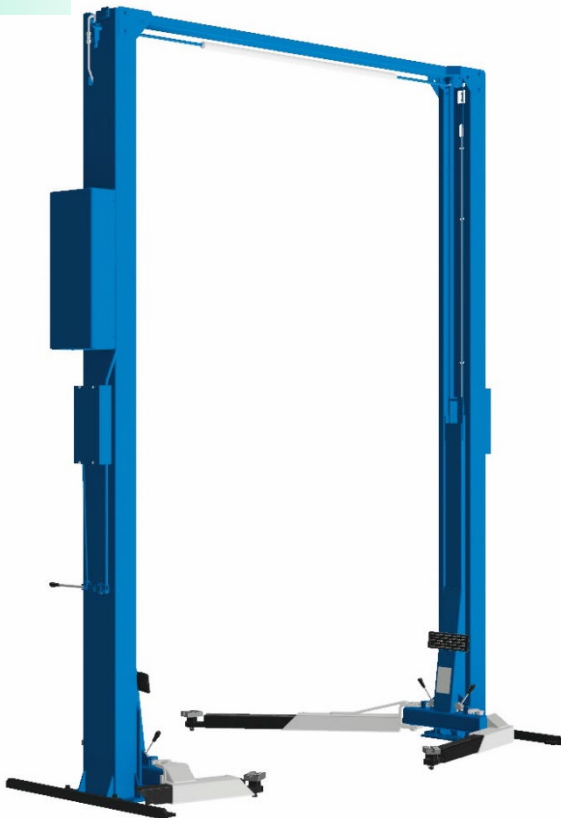
- Specification

Model	OSA3500N	OSA3500NH	NSA3500N	NSA3500NH
Type	Asymmetric		Symmetric	
Capacity	3,500 kg			
Vertical travel	1,800 mm			
Power requirement	Three-phase, 1.5 kW			
Height	3,705 mm	4,155 mm	3,705 mm	4,155 mm

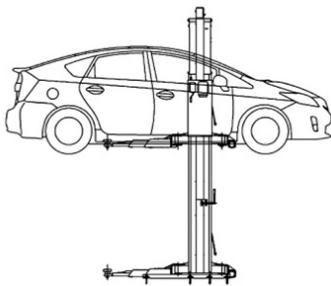
[2-Post Lift — SPA4000, SPA4000W]



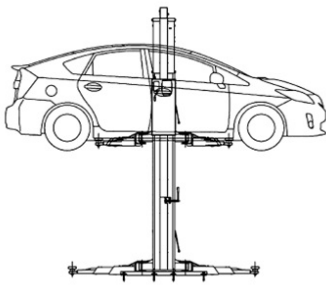
SPA4000



Dual hydraulic cylinder system



Asymmetric type
SPA4000



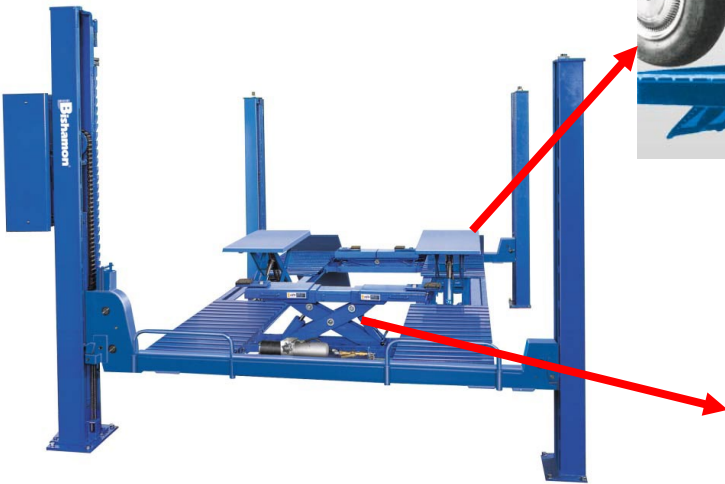
Symmetric type
SPA4000W

- Specification

Model	SPA4000	SPA4000W
Type	Asymmetric	Symmetric
Capacity	4,000 kg	
Vertical travel	1,800 mm	
Power requirement	Three-phase, 1.5 kW	
Height	3,912 mm	

[4-Post Lift — FP3500, FP3500X, FP4000, FP4000X] 

FP4000X



Upper lift
FP3500X, FP4000X



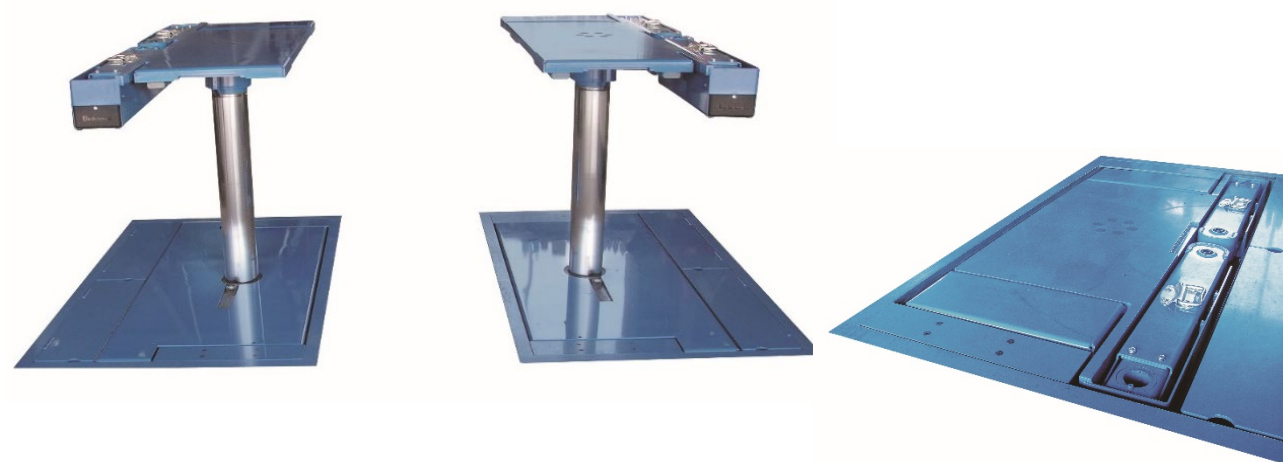
Jacking Beam (NRJ20) *Option

- Specification

Model		FP3500	FP3500X	FP4000	FP4000X
Capacity	Lower lift	3,500 kg		4,000 kg	
	Upper lift	No setting	1,500 kg x 2	No setting	1,500 kg x 2
Vertical travel		1,695 mm			
Power requirement		Three-phase, 1.5 kW		Three-phase, 2.2 kW	
Height		2,475 mm			

[Ulneo Lift — NNZ30KAUJ, NNZ30WPU] 

NNZ30KAUJ



NNZ30WPU

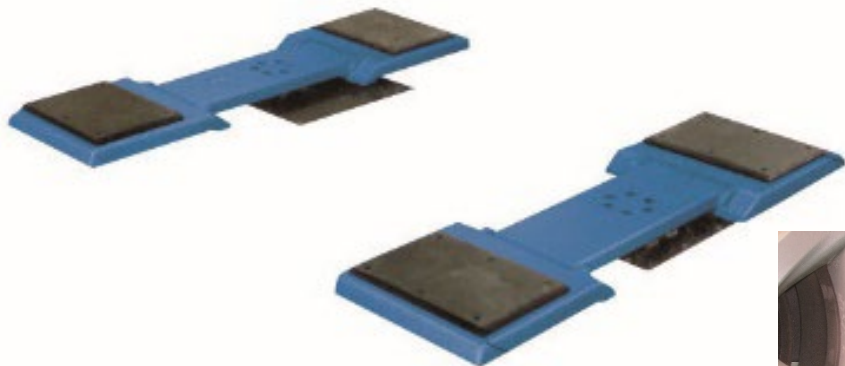


- Specification

Model	NNZ30KAUJ	NNZ30WPU
Supporter type	Plate and Arm	Swing arm
Capacity	3,000 kg	
Vertical travel	1,790 mm	
Power requirement	Three-phase, 2.2 kW	Three-phase, 1.5 kW
Air pressure	0.5 to 1.0 MPa	

[Space Lift — NNZ30AU, NNZ30WU] 

NNZ30AU



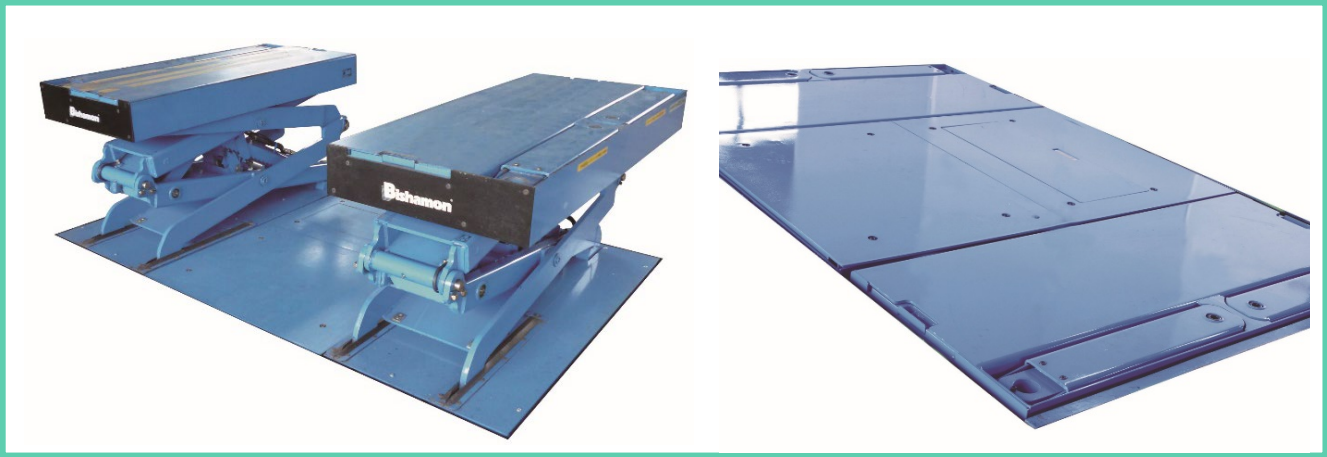
NNZ30WU



- Specification

Model	NNZ30AU	NNZ30WU
Supporter type	Plate	Swing arm
Capacity	3,000 kg	
Vertical travel	1,800 mm	
Power requirement	Three-phase, 1.5 kW	
Air pressure	0.5 to 1.0 MPa	

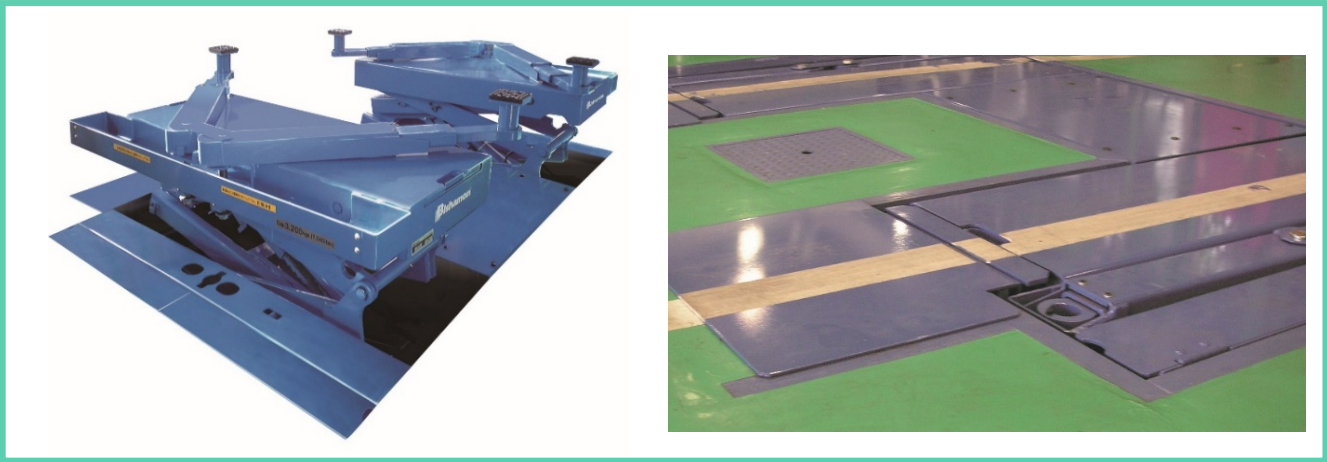
[Status Lift — ESC32UF]



- Specification

Model	ESC32UF
Capacity	3,200 kg
Vertical travel	1,800 mm
Power requirement	Three-phase, 2.2 kW
Air pressure	0.7 MPa

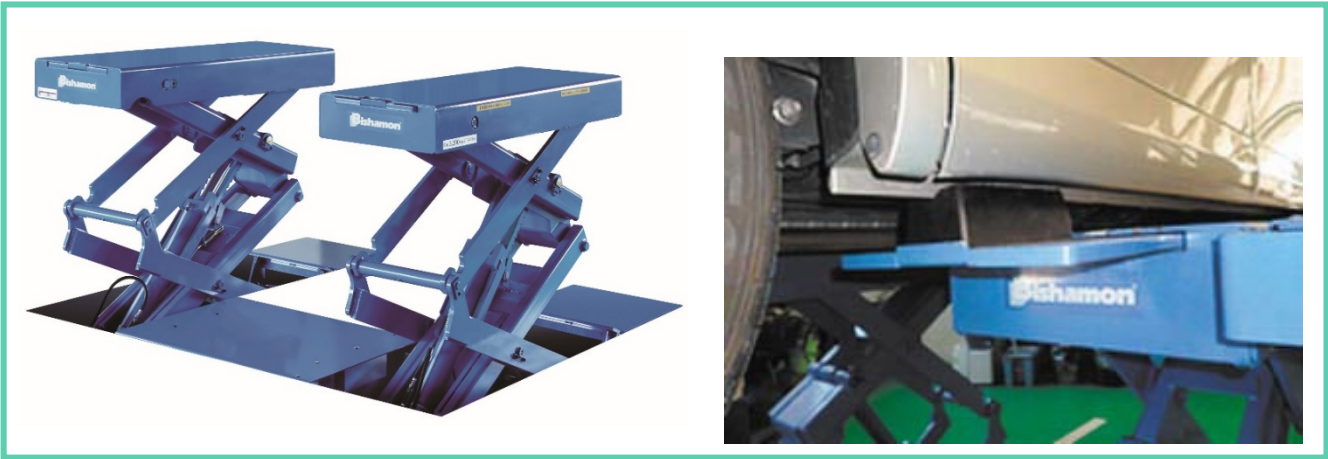
[Fantas Lift — BSC3200KUV]



- Specification

Model	BSC3200KUV
Capacity	3,200 kg
Vertical travel	1,800 mm
Power requirement	Three-phase, 2.2 kW
Air pressure	0.7 MPa

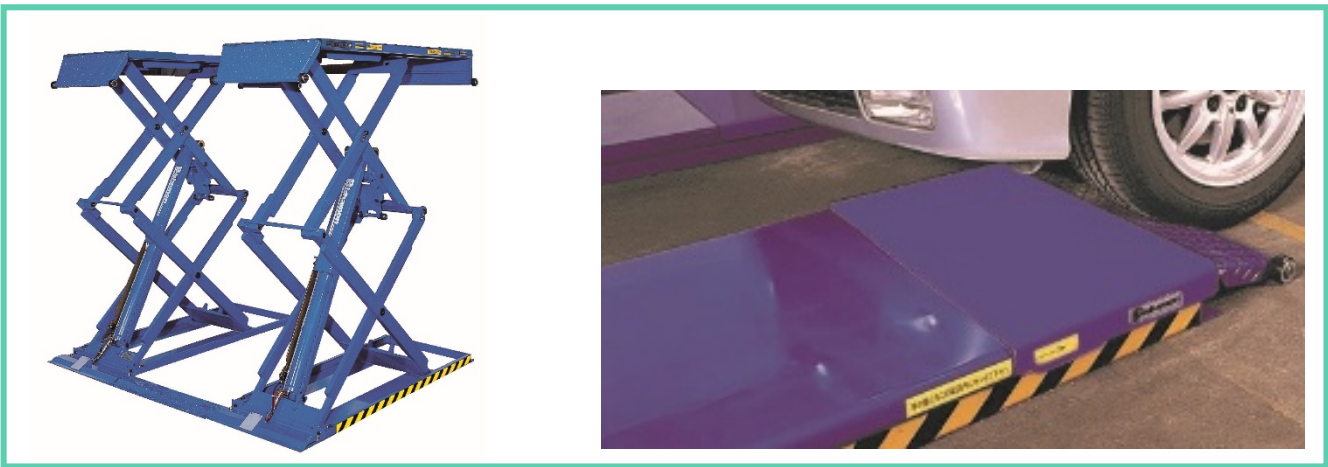
[Tortoise III Lift — BSC3200KU]



- Specification

Model	BSC3200KU
Capacity	3,200 kg
Vertical travel	1,800 mm
Power requirement	Three-phase, 2.2 kW
Air pressure	0.7 MPa

[Tortoise G Lift — SCL3000A]

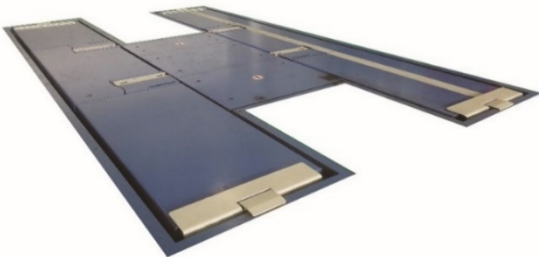
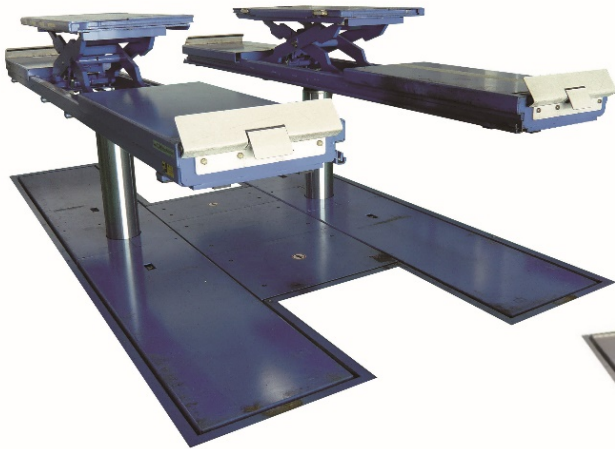


- Specification

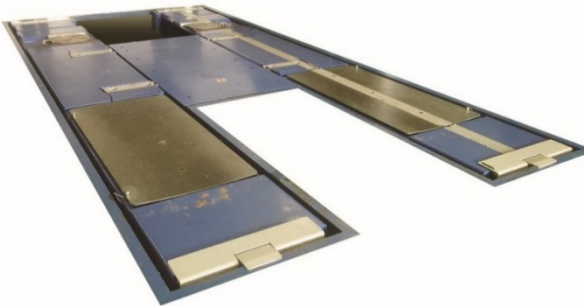
Model	SCL3000A
Capacity	3,000 kg
Vertical travel	1,800 mm
Power requirement	Three-phase, 1.5 kW
Air pressure	0.5 to 1.0 MPa

[Formal Lift — FL40UF, FL30HUF] 

FL40UF



FL30HUF



- Specification

Model		FL40UF	FL30HUF Alignment
Capacity	Lower Lift	4,000 kg	3,000 kg
	Upper Lift	3,000 kg	
Vertical travel	Lower Lift	1,700 mm	
	Upper Lift	350 mm	
Drive on plate length		4,000 mm	
Power requirement		Three-phase, 2.2 kW	
Air pressure		0.7 to 1.0 MPa	

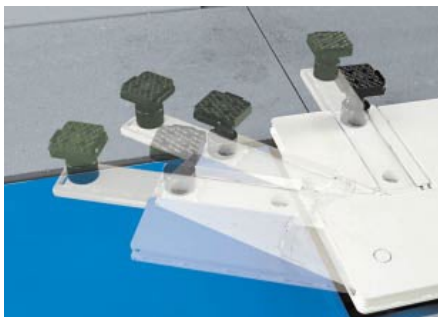
[Multi Lift — MUS40U, MUS40UL, MUS40HU, MUS40HUL] 

MUS40U



Jacking Beam (NRJ20) *Option

MUS40HU (Alignment)



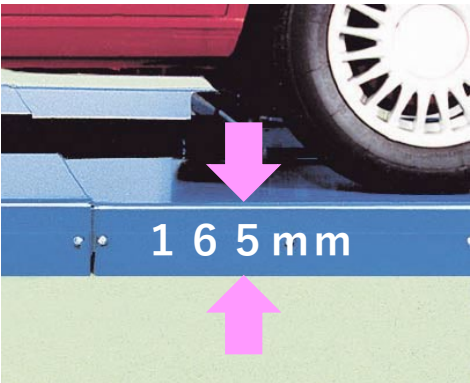
Swing Board Supporter

- Specification

Model		MUS40U	MUS40UL	MUS40HU	MUS40HUL
Type		Standard		Alignment	
Capacity	Lower Lift	4,000 kg			
	Upper Lift	3,000 kg			
Vertical travel	Lower Lift	1,650 mm			
	Upper Lift	350 mm			
Drive on plate length		4,000 mm	4,500 mm	4,000 mm	4,500 mm
Power requirement		Three-phase, 2.2 kW			
Air pressure		0.7 to 1.0 MPa			

[Mucross Lift — MUL30, MUL30H] 

MUL30



MUL30H

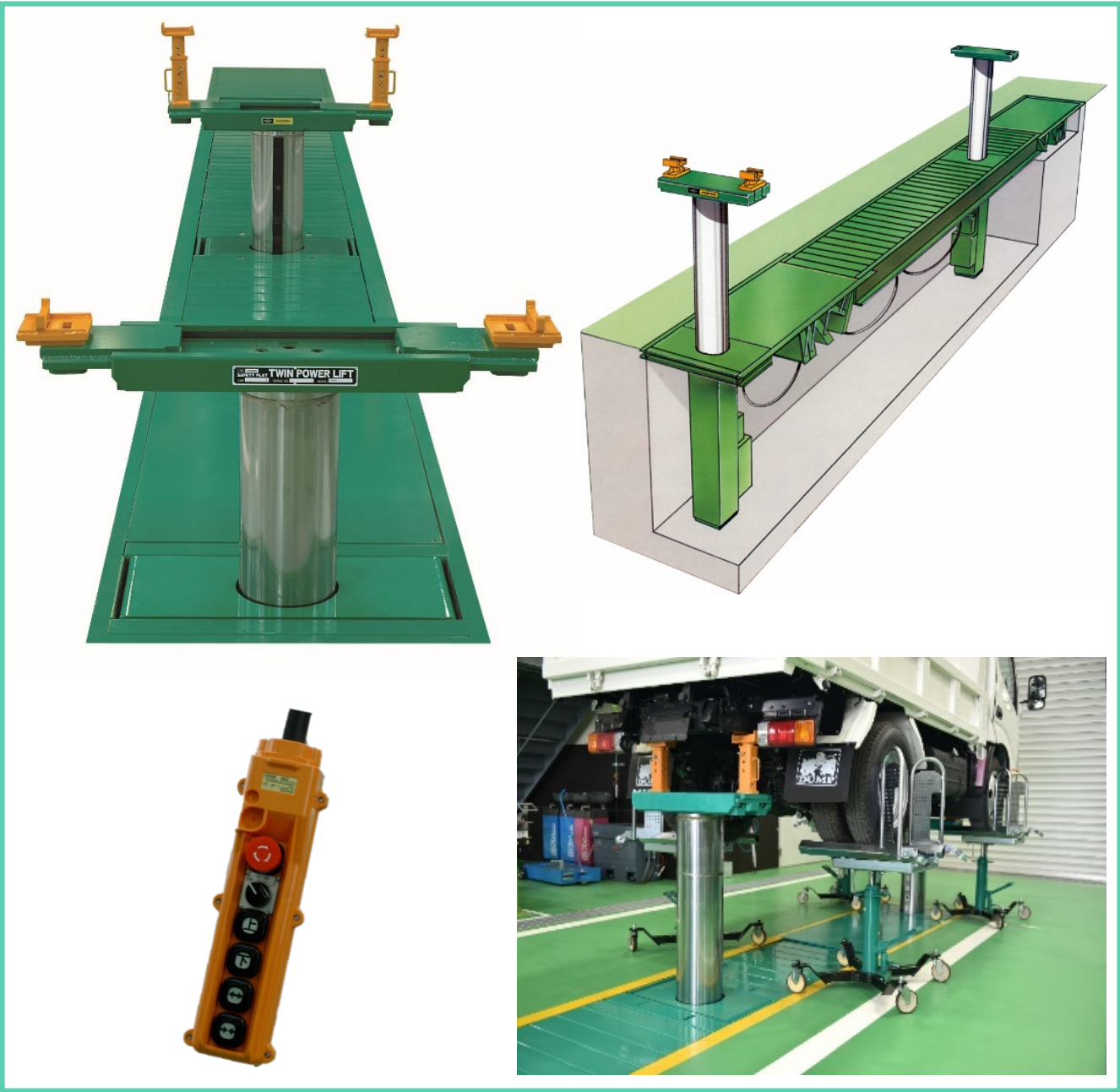


Jacking Beam (NRJ20) *Option

- Specification

Model		MUL30	MUL30H
Type		Standard	Alignment
Capacity	Lower Lift	3,000 kg	
	Upper Lift	2,000 kg	
Vertical travel	Lower Lift	1,600 mm	
	Upper Lift	350 mm	
Drive on plate length		4,000 mm	
Power requirement		Three-phase, 1.5 kW	
Air pressure		0.7 to 1.0 MPa	

[Caterpillar Turn Twin Power Lift — TWPF30-65]



- Specification

Model	TWPF30-65	
Capacity	30 ton	
Vertical travel	1,500 mm	
Distance between posts	2,500 to 6,500 mm	
Power requirement	Lifting motor	Three-phase, 2.2 kW x 2
	Drive motor	Three-phase, 0.4 kW
Air pressure	0.5 to 1.0 MPa	

[Test Lift — TSL15]



- Specification

Model	TSL15
Capacity	15 ton
Vertical travel	1,000 mm
Power requirement	Three-phase, 2.2 kW
Air pressure	0.5 to 1.0 MPa

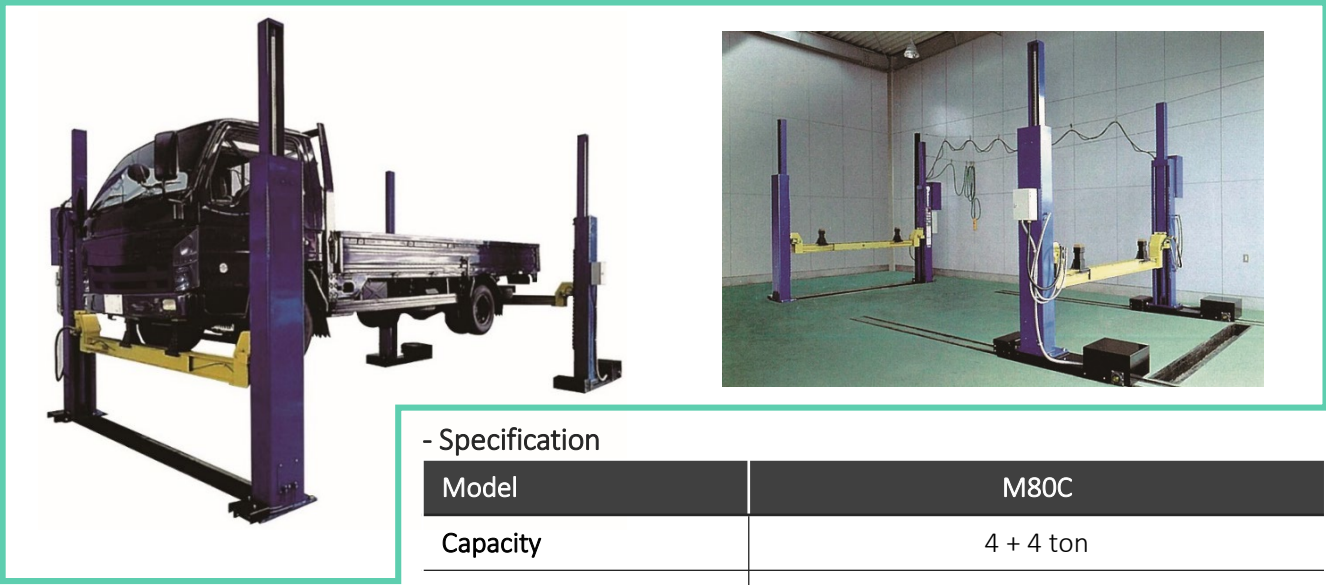
[Truck Side Lift — ASL-1000, ASL-1500]



- Specification

Model	ASL-1000	ASL-1500
Capacity	10 ton	15 ton
Vertical travel	600 mm	
Min. height	255 mm	300 mm
Max. height	855 mm	900 mm
Air pressure	0.8 to 1.0 MPa	
Size	L1,812 x W596 x H1,112 mm	L1,849 x W631 x H1,112 mm
Weight	480 kg	535 kg

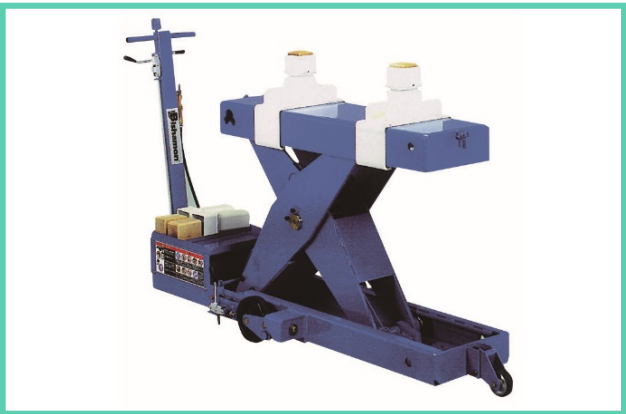
[Twin 2-Pole Lift — M80C]



- Specification

Model	M80C	
Capacity	4 + 4 ton	
Vertical travel	1,700 mm	
Distance between posts	2,700 to 6,700 mm	
Power requirement	Lifting motor	Three-phase, 1.5 kW x 2
	Drive motor	Three-phase, 0.2 kW x 2
Air pressure	0.7 MPa	

[Sperm Whale Lift — NFJ-100]



- Specification

Model	NFJ100
Capacity	10 ton
Vertical travel	500 mm
Min. height	390 mm
Max. height	853 mm
Air pressure	0.6 to 1.0 MPa
Size	L2,018 x W662 x H390 mm
Weight	445 kg

[Lift10 — FJ100]



- Specification

Model	FJ100
Capacity	10 ton
Vertical travel	500 mm
Min. height	335 mm
Max. height	672 mm
Air pressure	0.6 to 1.0 MPa
Size	L1,317 x W1,154 x H335 mm
Weight	410 kg

[Garage Jack — ALA-2M-S, ALA-3M-S, ALA-5M-S, ALA-2SS, ALA-3SS]



- Specification

Model	ALA-2M-S	ALA-3M-S	ALA-5M-S	ALA-2SS	ALA-3SS
Type	Low-floor, Silent type			Low-floor, Short type	
Capacity	2 ton	3 ton	5 ton	2 ton	3 ton
Vertical travel	407 mm	512 mm	454 mm	415 mm	450 mm
Min. height	98 mm		106 mm	85 mm	95 mm
Max. height	505 mm	610 mm	560 mm	500 mm	545 mm
Frame height	120 mm	145 mm	175 mm	115 mm	135 mm
Air Pressure	0.6 to 1.0 MPa			0.8 to 1.0 MPa	
Size	L945 x W382 x H1,050 mm	L1,035 x W398 x H1,210 mm	L1,045 x W398 x H1,210 mm	L753 x W344 x H1,060 mm	L814 x W370 x H1,076 mm
Weight	64 kg	85 kg	94 kg	47 kg	67 kg

[Garage Jack — ALA-2EXL, ALA-3L, ALA-5L]



ALA-2EXL

ALA-3L

ALA-5L



- Specification

Model	ALA-2EXL	ALA-3L	ALA-5L
Type	Low-floor	Low-floor, Long type	
Capacity	2 ton	3 ton	5 ton
Vertical travel	420 mm	505 mm	452 mm
Min. height	80 mm	95 mm	108 mm
Max. height	500 mm	600 mm	560 mm
Frame height	88 mm	135 mm	155 mm
Air Pressure	0.8 to 1.0 MPa		
Size	L1,098 x W370 x H1,025 mm	L1,300 x W361 x H1,215 mm	L1,300 x W361 x H1,232 mm
Weight	70 kg	85 kg	94 kg

[Garage Jack — AJ-1000EXL-S, AJ-1500EXL-S] 

AJ-1000EXL-S



AJ-1500EXL-S



- Specification

Model	AJ-1000EXL-S	AJ-1500EXL-S
Type	Low-floor	
Capacity	10 ton	15 ton
Vertical travel	460 mm	475 mm
Min. height	140 mm	145 mm
Max. height	600 mm	620 mm
Frame height	170 mm	175 mm
Air pressure	0.8 to 1.0 MPa	
Size	L1,433 x W616 x H1,445 mm	L1,530 x W682 x H1,450 mm
Weight	260 kg	325 kg

[Garage Jack — AJ-1000A, AJ-1500D]



AJ-1000A



AJ-1500D

- Specification

Model	AJ-1000A	AJ-1500D
Capacity	10 ton	15 ton
Vertical travel	420 mm	480 mm
Min. height	140 mm	160 mm
Max. height	560 mm	640 mm
Frame height	200 mm	230 mm
Air pressure	0.7 to 1.4 MPa	0.8 to 1.4 MPa
Size	L1,585 x W448 x H1,465 mm	L1,700 x W474 x H1,500 mm
Weight	158 kg	235 kg

[Air Truck Jack — NTJ-27S, ATJ-350L] 



- Specification

Model	NTJ-27S	ATJ-350L
Capacity	27 ton	35 ton
Vertical travel	105 mm	80 mm
Min. height	210 mm	170 mm
Max. height	455 mm	380 mm
Frame height	135 mm	170 mm
Air pressure	0.8 to 1.0 MPa	0.7 to 1.0 MPa
Size	L500 x W315 x H1,390 mm	L600 x W315 x H1,395 mm
Weight	40 kg	43 kg

[Transmission Lift and Jack — ML-800N, M-800] 

ML-800N



M-800



- Specification

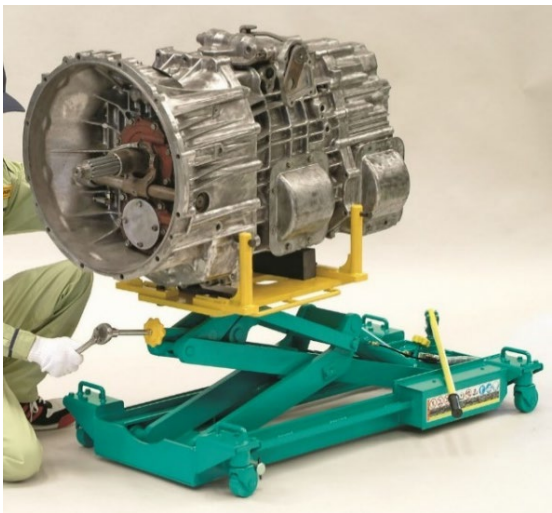
Model	ML-800N	M-800
Capacity	450 kg	
Vertical travel	890 mm	585 mm
Min. height	795 mm	205 mm
Max. height	1,685 mm	790 mm
Size	L800 x W850 x H795 to 1,685 mm	L900 x W500 x H205 to 790 mm
Weight	75 kg	70 kg

[Transmission Lift and Jack — AML-1000A, AMJ-1000A] 

AML-1000A



AMJ-1000A



- Specification

Model	AML-1000A	AMJ-1000A
Capacity	1,000 kg	800 kg
Vertical travel	700 mm	
Min. height	500 mm	162 mm
Max. height	1,200 mm	862 mm
Air pressure	0.4 to 1.4 MPa	No setting
Size	L650 x W1,150 x H750 mm	L1,200 x W630 x H1,058 mm
Weight	250 kg	180 kg

[Propeller Shaft Lifter — APSL-150L, APSL-150H]



APSL-150L



APSL-150H



- Specification

Model	APSL-150L	APSL-150H
Type	Low	High
Capacity	150 kg	
Vertical travel	325 mm	640 mm
Min. height	525 mm	710 mm
Max. height	1,000 mm	1,500 mm
Size	L600 x W600 x H525 to 1,000 mm	L600 x W600 x H710 to 1,500 mm
Weight	33 kg	42 kg

[Clutch Lifter — ACL-100]



- Specification

Model	ACL-100
Capacity	100 kg
Vertical travel	650 mm
Min. height	476 mm
Max. height	1,326 mm
Size	L713 x W600 x H547 mm
Weight	49 kg

[Engine Lifter — AEL-500, AEL-1000] 

AEL-500



AEL-1000



- Specification

Model	AEL-500	AEL-1000
Capacity	500 kg	1,000 kg
Vertical travel	800 mm	1,030 mm
Min. height	700 mm	650 mm
Max. height	1,500 mm	1,680 mm
Air Pressure	0.4 MPa	
Size	L1,580 x W750 x H914 mm	L1,960 x W816 x H914 mm
Weight	236 kg	500 kg

[Hydraulic Press — NSP-15, NSP-350G]



NSP-15



NSP-350G



- Specification

Model	NSP-15	NSP-350G
Capacity	15 ton	35 ton
Size	L750 x W878 x H1,660 mm	L780 x W898 x H1,722 mm
Weight	190 kg	236 kg



Memo



- Section C -

WASHING
EQUIPMENT

[High Pressure Steam Washer – AHW-1015A, AHW-1515A] 

AWH-1015A



AWH-1515A



- Specification

Model	AWH-1015A	AWH-1515A
Discharge volume	Approx. 1,000 L/h	Approx. 1,500 L/h
Discharge pressure	Approx. 9 MPa	Approx. 8 MPa
Water temperature	Normal temperature to max. 80°C	
Power requirement	Three-phase	
High-pressure hose	3/8B × 10 m	3/8B × 15 m
Motor	2.2 kW	3.7 kW
Size	L698 x W660 x H1,063 mm	L795 x W830 x H1,410 mm
Weight	114 kg	186 kg

[High Pressure Steam Washer – AHW-915S]



- Specification

Model	AHW-915S
Discharge volume	Approx. 900 L/h
Discharge pressure	Approx. 7 MPa
Water temperature	Normal temperature to max. 80 °C
Power requirement	Three-phase
High-pressure hose	3/8B × 10 m
Motor	1.5 kW
Size	L775 x W625 x H1,144 mm
Weight	118 kg

[High Pressure Steam Washer – AHW-1515S]



- Specification

Model	AHW-1515S
Discharge volume	Approx. 1,500 L/h
Discharge pressure	Approx. 8 MPa
Water temperature	Normal temperature to max. 80 °C
Power requirement	Three-phase
High-pressure hose	3/8B × 15 m
Motor	3.7 kW
Size	L756 x W805 x H1,198 mm
Weight	171 kg

[High Pressure Steam Washer – AHW-2015S]



- Specification

Model	AHW-2015S
Discharge volume	Approx. 2,000 L/h
Discharge pressure	Approx. 7 MPa
Water temperature	Normal temperature to max. 80 °C
Power requirement	Three-phase
High-pressure hose	3/8B × 15 m
Motor	5.5 kW
Size	L725 x W1,055 x H1,220 mm
Weight	257 kg

[High Pressure Washer – VJW-3C, VJW-5C]



- Specification

Model	VJW-3C	VJW-5C
Discharge volume	Approx. 700 L/h	Approx. 600 L/h
Discharge pressure	Approx. 9 MPa	Approx. 15 MPa
Power requirement	Three-phase	
High-pressure hose	3/8B × 10 m	
Motor	2.2 kW	3.7 kW
Size	L599 x W432 x H416.5 mm	L599 x W432 x H467 mm
Weight	45 kg	70 kg

[High Pressure Steam Washer – PHT-3, PHT-5]



- Specification

Model	PHT-3	PHT-5
Discharge volume	Approx. 900 L/h	
Discharge pressure	Approx. 8 MPa	Approx. 10 MPa
Water temperature	30 to max. 80°C	
Power requirement	Three-phase	
High-pressure hose	3/8B × 10 m	
Motor	2.2 kW	3.7 kW
Size	L948 x W760 x H830 mm	
Weight	90 kg	95 kg

[Auto Parts Washer – APW-2012A and APW-2014A]

APW-2012A



APW-2014A



- Specification

Model	APW-2012A	APW-2014A
Discharge volume	Approx. 150 L/h	Approx. 320 L/h
Discharge pressure	Approx. 0.38 MPa	Approx. 0.37 MPa
Power requirement	Three-phase	
Motor	2.2 kW	3.7 kW
Suitable size	Ø630 x H 300 mm	Ø1,000 x H 700 mm
Suitable weight	100 kg	400 kg
Heater	5 kW	5 kW x 2
Electric energy consumption	7.2 kW	10 kW
Size	L1,113 x W1,019 x H1,136 mm	L1,466 x W1,406 x H1,652 mm
Weight	180 kg	420 kg

[Parts Washing Stand – CS-1]



- Specification

Model	CS-1
Discharge volume	27 L/h
Power requirement	Single-phase
Size	L700x W1,220 x H1,530 mm
Weight	77.2 kg

[Under Body Washer – UW-30BRN]



- Specification

Model	UW-30BRN
Installation type	Set in gratings
Discharge volume	Approx. 2,000 L/h
Discharge pressure	Approx. 6 MPa
Nozzle type	Revolving
Number of nozzles	3
Size	L268 x W2,008 x H300 mm
Weight	67 kg

[Under Body Washer – UW-2]



- Specification

Model	UW-2
Installation type	Place on a ground
Discharge volume	Approx. 1,000 L/h
Discharge pressure	Approx. 5 MPa
Nozzle type	Wide angle
Number of nozzles	2
Size	L270 x W780 x H85 mm
Weight	15 kg

[Vacuum Cleaner – TC-03]



- Specification

Model	TC-03
Power requirement	Single-phase
Static pressure	23kPa
Air capacity	Max. 3,600 L/min
Noise level	65 dB
Container capacity	20 L
Vacuum hose	3.5 m
Size	L385 x W375 x H515 mm
Weight	7.5 kg

[Ozone Generator Go-One — GWN-300CT]



- Specification

Model	GWN-300CT
Air volume	0.61 m³/min
Power requirement	Single-Phase, 12 VDC, 24 VDC
Size	L170 x W310 x H140 mm
Weight	3 kg



Memo



- Section D -

TIRE SERVICE

EQUIPMENT

[Tire Changer — CZ22MGT-S, PFZ265]  



- Specification

Model	CZ22MGT-S	PFZ265
Operating speed	1 speed level available	Selectable from 2 speed levels
Chucking device range	Inner clamp 14 to 24 inch Outer clamp 12 to 22 inch	Inner clamp 12 to 29 inch Outer clamp 10 to 27 inch
Rim width	4 to 14 inch	4 to 16 inch
Max. wheel diameter	1,100 mm	
Power requirement	Three-phase	
Air pressure	1.0 MPa	
Size	L1,635 x W2,575 x H1,950 mm	L1,870 x W2,400 x H2,020 mm
Weight	339 kg	390 kg

[Tire Changer — CL-121, TORNADO]



CL-121



TORNADO



- Specification

Model	CL-121	TORNADO
Operating speed	7 to 16 r. p. m.	7 to 20 r. p. m.
Chucking device range	12 to 30 inch	13 to 32 inch
Rim width	16 inch	
Max. wheel diameter	1,200 mm	
Power requirement	80 kg	85 kg
Air pressure	Three-phase	
Size	1.0 MPa	
Weight	L1,280 x W1,690 x H2,200 mm	L2,110 x W1,700 x H1,850 mm

[Tire Changer — WING711, WING718D] 

WING711



WING718D



- Specification

Model	WING711	WING718D
Operating speed	1 speed level available	Selectable from 2 speed levels
Chucking device range	15 to 25 inch	
Max. wheel width	700 mm	
Max. wheel diameter	1,400 mm	
Power requirement	Three-phase	
Size	L1,590 x W1,910 x H1,274 mm	L1,690 x W2,126 x H1,280 mm
Weight	640 kg	660 kg

[Wheel balancer — neo217]  



- Specification

Model	neo217
Rim diameter	10 to 30 inch
Rim width	1.5 to 20 inch
Max. wheel weight	75 kg
Power requirement	Single-Phase
Size	L594 x W930 x H1,100 mm
Weight	112 kg

[Wheel Balancer — Circuit702] 



- Specification

Model	Circuit702
Rim diameter	10 to 30 inch
Rim width	1.5 to 20 inch
Max. wheel weight	200 kg
Max. wheel diameter	1,300 mm
Power requirement	Single-phase
Air pressure	0.8 MPa
Size	L815 x W2,000 x H1,460 mm
Weight	300 kg

[Tire Lifter — ATL-215]





- Specification

Model	ATL-215
Max. wheel weight	60 kg
Tire diameter	560 to 780 mm
Fork min. height	35 mm
Fork max. height	1,335 mm
Size	L705 x W661 x H1,595 mm
Weight	60 kg

[Tire Support Tool — ATS-G1]



- Specification

Model	ATS-G1
Max. wheel weight	70 kg
Tire diameter	530 to 820 mm
Size	L661 x W512 x H352 mm
Weight	3.4 kg

[Tire Hand Truck — ATP-217B]



- Specification

Model	ATP-217B
Max. wheel weight	200 kg
Tire diameter	530 to 820 mm
Loading height	1,200 mm
Size	L780 x W655 x H1,414 mm
Weight	22.5 kg

[Wheel Dolly — AWD-209C, AWD-2009CL]



- Specification

Model	AWD-2009CL	AWD-209C
Type	Standard size	Small size
Max. wheel weight	500 kg	300 kg
Tire diameter	590 to 1,160 mm	560 to 780 mm
Vertical travel	305 mm	300 mm
Fork length	596 mm	435 mm
Fork min. height	80 mm	63 mm
Fork max. height	385 mm	363 mm
Size	L920 x W925 x H690 mm	L718 x W672 x H626 mm
Weight	67 kg	39 kg

[High Lift Wheel Dolly— HL-300J]



- Specification

Model	HL-300J
Max. wheel weight	300 kg
Tire diameter	520 to 1,100 mm
Vertical travel	350 mm
Fork length	690 mm
Fork min. height	90 mm
Fork max. height	1,040 mm
Air pressure	0.6 to 1.4 MPa
Size	L1,197 x W855 x H1,778 mm
Weight	149 kg

[Wheel Dolly “Tatteler” — TH200-AH, TH200-SW, TH350-AZ] 

TH200-AH



TH350-AZ



TH200-SW



TH200-SW

- Specification

Model	TH200-AH	TH200-SW	TH350-AZ
Max. wheel weight	200 kg		350 kg
Tire diameter	550 to 860 mm		600 to 1,100 mm
Fork length	515 mm	900 mm	676 mm
Fork min. height	773 mm	765 mm	612 mm
Fork max. height	1,123 mm	1,115 mm	812 mm
Size	L870 x W830 x H1,277 to 1,627 mm	L900 x W830 x H1,338 to 1,688 mm	L850 x W863 x H1,275 to 1,475 mm
Weight	80 kg	89 kg	120 kg

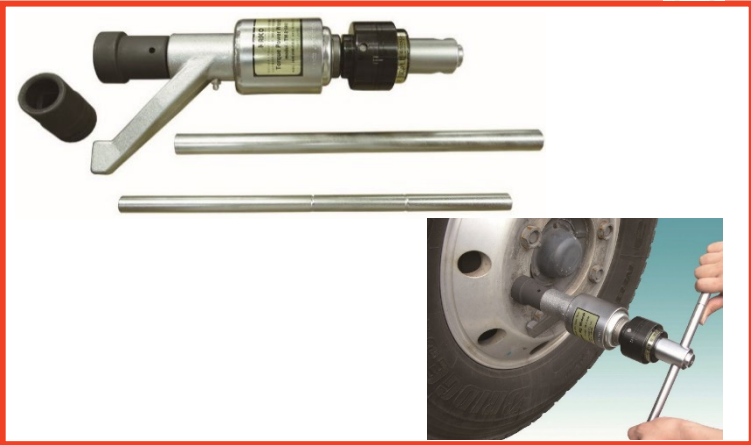
[Air Tower— AT-930S]   



- Specification

Model	AT-930S
Pressure setting range	50 to 700 kPa
Hose length	10 m
Air pressure	1.0 MPa
Size	L420 x W302 x H1,270 mm

Weight 15.4 kg
[Torque Power Wrench — TW-816HM] 



- Specification

Model	TW-816HM
Max. torque	588 N m
Square drive size	25.4 mm
Transmission ratio	16 : 1
Size	L380 mm
Weight	8 kg

[Air Carry — ATC-99L]   



- Specification

Model	ATC-99L
Measuring pressure range	0 to 700 kPa
Air tank capacity	9.9 L
Air pressure	1.0 MPa
Weight	5.6 kg

[Bolt Cleaner Set— MBC-30S] 



- Specification

Model	MBC-30S
r. p. m.	1,800
Size	L165 mm
Weight	1.1 kg

Memo



- Section E -

BRAKE SERVICE
EQUIPMENT

[Brake Fluid Bleeder — BB-1000RNS]



- Specification

Model	BB-1000RNS
Type	Portable
Tank capacity	18 L
Adapter applicable to	Small to large vehicles
Power requirement	Single-phase
Size	L490 x W450 x H920 mm
Weight	51 kg

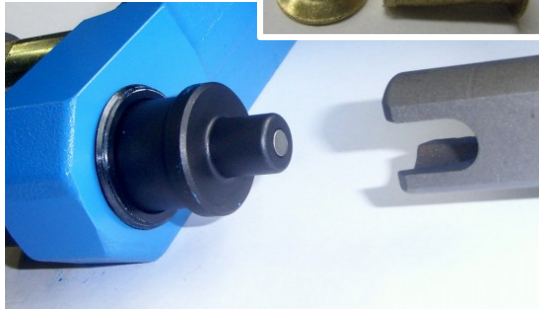
[Brake Fluid Meter — BF-320]



- Specification

Model	BF-320
Power requirement	DC12V
Boiling Point	320 °C
Cord length	1,950 mm

[Brake Lining Changer — BS-2]



- Specification

Model	BS-2 (Riveter)
Pressure	2 ton
Stroke	30 mm
Size	L115 x W120 x H30 mm
Weight	5.2 kg

Model	1/4Y-BS (Pump)
Power Requirement	Single-phase
Pressure	25 MPa
Weight	15 kg

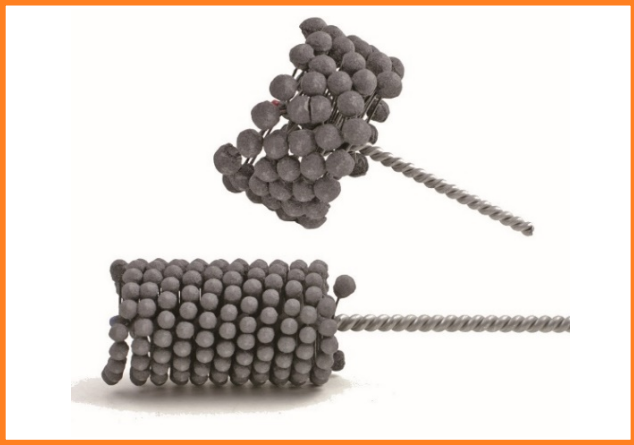
[Flex-Horn: Brake Rotor Horn — Series RMFH]



- Specification

Model	RMFH60Z25, RMFH120Z25, RMFH240Z25
Grit Size	#60, #120, #240
Total length	63 mm

[Flex-Horn: Brake Cylinder Horn — Series BC]



- Specification

Model	BC-8	BC-11	BC-12	BC-14
Suitable bore size	ø7.5 to 8.5	ø10.5 to 11.5	ø11.5 to 12.5	ø13 to 15
Abrasive type	Aluminum Oxide			
Grit size	240			
Abrasive length	50 mm		63 mm	
Total length	203 mm			
Model	BC-16	BC-18	BC-20	BC-22
Suitable bore size	ø15 to 17	ø17 to 19	ø19 to 21	ø21 to 23
Abrasive type	Aluminum Oxide			
Grit size	240			
Abrasive length	63 mm			76 mm
Total length	203 mm			
Model	BC-25.4	BC-29	BC-35	BC-38
Suitable bore size	ø24 to 27	ø27 to 30	ø33 to 36	ø36 to 40
Abrasive type	Aluminum Oxide			
Grit size	240			
Abrasive length	76 mm			
Total length	203 mm			
Model	BC-41	BC-45	BC-51	BC-60
Suitable bore size	ø38 to 43	ø42 to 46	ø48 to 52	ø58 to 61
Abrasive type	Silicon Carbide			
Grit size	240			
Abrasive length	76 mm			
Total length	203 mm			

- Section F -

BODY REPAIR

AND

PAINTING

EQUIPMENT

[Drive-through Paint Booth — LGS-4073-PP-20H]



- Specification

Model	LGS-4073-PP-20H	
Type	Push-pull heat circulation	
Burner	250,000 kcal/h	
Supply fan	Sirocco fan 5.5 kW	
Exhaust fan	Sirocco fan 5.5 kW	
Ceiling illumination	(LED24W x 4) x 8 units	
Side-wall illumination	(LED10W x 3) x 16 units	
Power requirement	Three-phase	
Size	Booth	L7,340 x W4,080 x H3,320 mm
	Indoor room	L7,200 x W4,000 x H2,800 mm

[Drive-through Paint Booth — LGS-5016-16H]



- Specification

Model	LGS-5016-16H	
Type	Push-pull heat circulation	
Burner	250,000 kcal/h x 2	
Supply fan	Sirocco fan 11 kW x 2	
Exhaust fan	Sirocco fan 11 kW x 2	
Ceiling illumination	(LED24W x 4) x 16 units	
Side-wall illumination	(LED24W x 2) x 20 units	
Power requirement	Three-phase	
Size	Booth	L16,800 x W5,160 x H5,900 mm
	Indoor room	L16,640 x W5,000 x H5,000 mm

[Pneumatic Gondola Lift — PLAT-FORM XYZ]

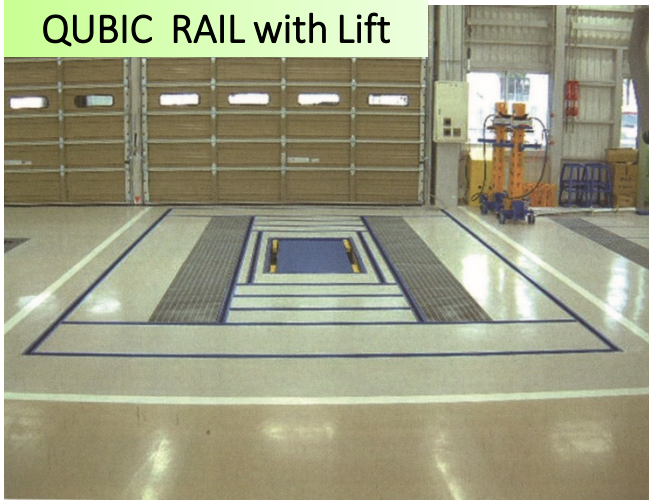


- Specification

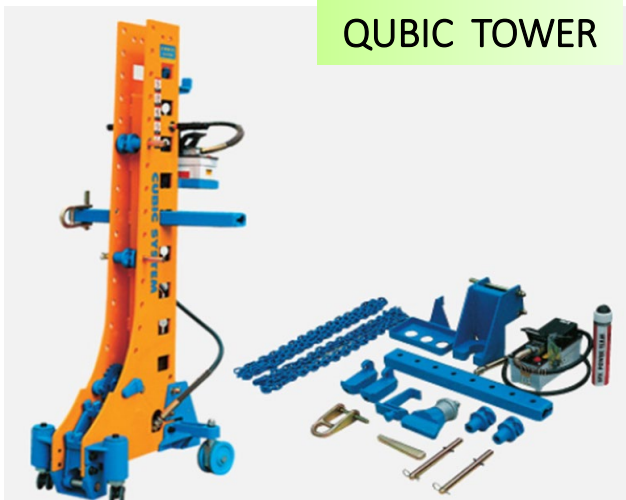
Model	PLAT-FORM XYZ
Capacity	100 kg
Air pressure	0.49 to 0.60 MPa
Lifting height	300 to 2,800 mm
Size	L980 to 1,916 x W1,544 x H4,562 mm
Working cage base size	L14,000 x W4,200 mm

[Frame Repair System — QUBIC SYSTEM]

QUBIC RAIL with Lift



QUBIC TOWER



- Specification: QUBIC SYSTEM

Model	QUBIC SYSTEM
Type	for passenger car
Capacity per tower	10 ton
Capacity per rail	72 ton/10 cm
Rail size	L6,500 to 6,700 x W4,000 mm
Lift	Model QB-LT1000, Capacity 2.5 ton, Max. height 950 mm
	Power requirement Three-phase 50Hz

- Specification: QUBIC TOWER

Component model	Component name	QTY
QB-103-14	10 ton Tower Main Body	1
QB-103-02	Bridge Pipe S	1
QB-103-15	Roller 10 ton with a boss	2
QB-103-16	ø20 Pin	4
QB-103-05	Pump Plate	1
QB-103-06	Bridge Pipe Bracket L	1
QB-103-07	“A” Hook with a pin	1
QB-103-17	Backside Bracket	1
QB-103-18	Fixing Metal Set	1
QB-103-19	ø8 x 3 m Chain	2
QB-103-20	10 ton Ram *integrated into main body	1
QB-103-21	Remote-controlled Pump Hose	1
QB-103-22	Chain Hook E	2



[Frame Repair System — QUBIC SYSTEM]

QUBIC RAIL



QUBIC TOWER



- Specification: QUBIC SYSTEM

Model	QUBIC SYSTEM
Type	for trucks and busses
Capacity per tower	25 ton
Capacity per rail	72 ton/10 cm
Rail size	L14,000 x W4,200 mm

- Specification: QUBIC TOWER

Component model	Component name	QTY
QB-103-01	25 ton Tower Main Body	1
QB-103-02	Bridge Pipe S	1
QB-103-03	Roller 25 ton with a boss	2
QB-103-04	ø25 Pin	2
QB-103-05	Pump Plate	1
QB-103-06	Bridge Pipe Bracket L	1
QB-103-07	“A” Hook with a pin	1
QB-103-08	Backside Bracket	1
QB-103-09	Fixing Metal Set	1
QB-103-10	ø11.2 x 3 m Chain	2
QB-103-11	25 ton Ram *integrated into main body	1
QB-103-12	Remote-controlled Pump Hose	1
QB-103-13	QL Hook	2
QB-103-16	ø20 Pin	2

[Spray Gun and Cup — IWATA Series]



KIWAMI-1-13B8



KIWAMI-1-16B2



W-50-136BGC



WIDER1-15H2S



AJR-02L-VG



PC-250SB-2LF



W-50-136BGC



- Specification

Model	KIWAMI-1-13B8	KIWAMI-1-14B8	KIWAMI-1-16B2	W-50-136BGC
Nozzle orifice bore	Φ 1.3 mm	Φ 1.4 mm	Φ 1.6 mm	Φ 1.3 mm
Atomizing air pressure	0.20 MPa		0.24 MPa	0.15 MPa
Air consumption	230 L/min			70 L/min
Fluid output	185 ml/min	200 ml/min		85 ml/min
Weight	290 g			195 g

Model	WIDER1-15H2S
Nozzle orifice bore	Φ 1.3 mm
Atomizing air pressure	0.24 MPa
Air consumption	225 L/min
Fluid output	170 ml/min
Weight	290 g

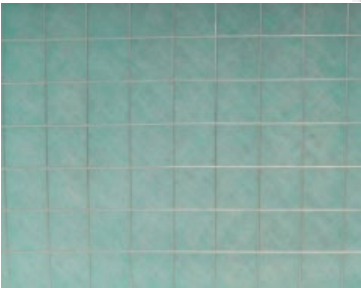
Model	AJR-02L-VG
Weight	120 g

Model	PC-250SB-2LF	PC-400SB-2LF	PC-1S
Capacity	220 ml	400 ml	1000 ml
Material	Stainless		Aluminum
Weight	160 g	210 g	330 g

[Color Matching Booth — TSB-W-BBS]



Exhaust fan



Filter

- Specification

Model	TSB-W-BBS
Power requirement	Three-phase 0.2kW (Motor)
Capacity of air	60 m ³ /min
Duct size	400 x 400 mm
Weight	140 kg

[Spray Gun Washer — UG-3000C]



- Specification

Model	UG-3000C
Drive Source	Compressed Air
Air pressure	0.5 to 1.2 MPa
Air Consumption	50 to 150 L/min
Operation Method	Step the pedal with a foot
Applicable Can	18 L Square Can or 20 L Pail
Size	L345 x W440 x H990 mm
Weight	22 kg

[Glass Removal Kit — 701100]



- Specification

Model	701100
Type	Basic Kits

[Windshield Repair Kit — 100510]



- Specification

Model	100510
Type	Complete Kits



Memo

- Section G -

LUBRICATING **EQUIPMENT**

[Oil Lubricator — SGR-812C, SGR-110A5]



SGR-812C



SGR-110A5



- Specification

Model	SGR-812C	SGR-110A5
Max. discharge	7 L/min	11 L/min
Max. discharge pressure	1.2 MPa	3.5 MPa
Air pressure	0.7 MPa	0.3 to 0.7 MPa
Size	L479 x W479 x H784 mm	L482 x W482 x H955 mm
Weight	17 kg	25 kg

[Oil Bucket Pump — LBP-20M, HOP-20]



LBP-20M



HOP-20



- Specification

Model	LBP-20M	HOP-20
Type	with flowmeter	for pail, incl. carry
Capacity	20 L	20 L
Size	H795 mm	H760 mm
Weight	11.3 kg	1.9 kg

[Grease Lubricator — SKR-712C, SKR-110A50]



- Specification

Model	SKR-712C	SKR-110A50
Max. discharge	320 g/min	1,200 g/min
Max. discharge pressure	40 MPa	30 MPa
Air pressure	0.7 MPa	0.5 to 0.7 MPa
Size	L479 x W479 x H784 mm	L480 x W480 x H953 mm
Weight	14.5 kg	25 kg

[Auto Grease Machine Gun — AMG-400N]



- Specification

Model	AMG-400N
Max. discharge	310 mL/min
Max. discharge pressure	28 MPa
Capacity	420 ml
Air pressure	0.3 to 0.7 MPa
Size	L438 x H387 mm
Weight	2.1 kg

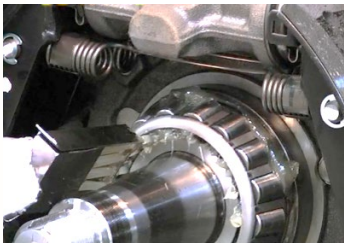
[Foot Bucket Pump — FB-8]



- Specification

Model	FB-8
Max. discharge	2.7 mL per stroke
Max. discharge pressure	69 MPa
Capacity	8 L
Hose	1/4B x 2m
Size	L450 x W239 x H452 mm
Weight	8.6 kg

[Grease Packer — GP-850]



Attachment Kit N

- Specification

Model	GP-850
Max. discharge	520 g/min
Max. discharge pressure	45 MPa
Applicable to	16 kg pail
Hose	2.5 m (Attachment Kit N)
Bearing range	Inner diameter 15 to 100 mm
Air pressure	0.2 to 0.7 MPa
Size	L835 x W493 x H1,112 mm
Weight	42 kg

[High Load Grease Changer— GZR18]



- Specification

Model	GZR-18
Applicable to	16 kg pail
Bearing range	Inner diameter 15 to 100 mm
Air pressure	0.2 to 0.7 MPa
Weight	9 kg

[Oil Changer — AT-1 & T-75N]



AT-1



T-75N



- Specification

Model	AT-1	T-75N
Capacity	100 L	70 L
Cylinder glass capacity	13 L	8 L
Power requirement	Single-Phase	
Size	L546 x W530 x 1,370 mm	L505 x W480 x H1,190 mm
Weight	65 kg	48 kg

[Full Automatic CVTF & ATF Changer — JFC-35P]



- Specification

Model	JFC-35P
Pump	Trochoid pump, 2 pump, 2 filter
Power requirement	Single-Phase
Size	L430 x W580 x H960 mm
Weight	53 kg

[Oil Drain — OD-700APN]



- Specification

Model	OD-700APN
Type	With pump
Max. discharge	52 L/min
Capacity	55 L
Hose	Discharge 2 m
Air pressure	0.3 to 0.7 MPa
Size	L559 x W499 x H1,128 to 1,739 mm
Weight	21.5 kg

[Large Drain Cabinet and Cart — DC-100, DC-68P]

DC-100

DC-68P



- Specification

Model	DCB--100	DC-68P
Max. discharge	60 L/min	11 L/min
Capacity	100 L	68 L
Hose	Discharge 3 m	Discharge 4.1 m
Air pressure	0.2 to 0.7 MPa	
Size	L1,650 x W495 x H800 to 1,590 mm	L1,273 x W693 x 419 mm
Weight	89.3 kg	39 kg

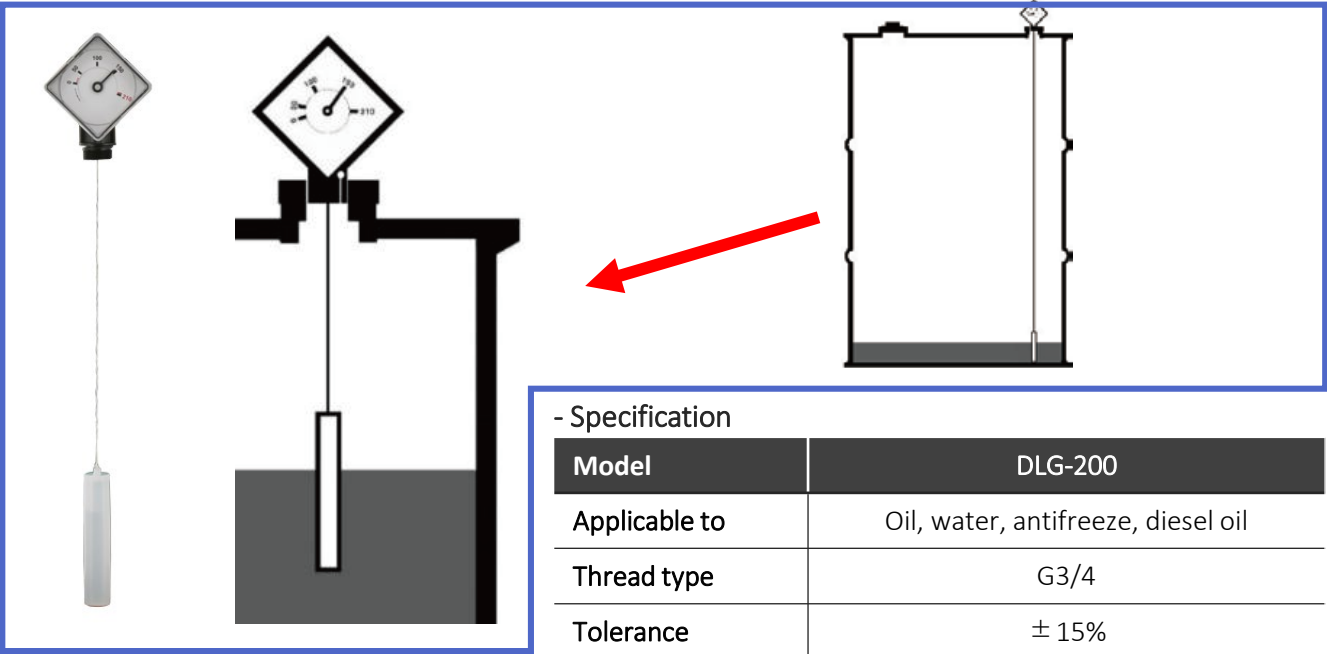
[Drain Cabinet — DCB-300]



- Specification

Model	DCB-300	
Max. discharge	Oil receiver	23.6 L/min
	Hose	26.5 L/min
Capacity	30 L	
Hose	Suction	1.2 m
	Discharge	0.7 m
Air pressure	0.2 to 0.5 MPa	
Size	L394 x W666 x H706 mm	
Weight	40 kg	

[Drum Level Gauge — DLG-200]



- Specification

Model	DLG-200
Applicable to	Oil, water, antifreeze, diesel oil
Thread type	G3/4
Tolerance	± 15%

[Fluid Vacuum Cart — WRE-200A]



- Specification

Model	WRE-200A
Max. load	300 kg
Max. discharge volume	70 L/min
Hose length	3 m to vacuum
	1 m to discharge
Air pressure	0.5 MPa
Size	L1,090 x W850 x H1,550 mm
Weight	64 kg

[Oil-Water Separator— Pattol 900R]



- Specification

Model	Pattol 900R
Flow rate	900 L/h
Separator tank capacity	79 L
Air pressure	0.25 MPa
Size	L956 x W424 x H928 mm
Weight	48 kg

- Section H -

ENGINE

RECONDITIONING

EQUIPMENT

[Air Conditioner Master — YN-13PRO(P), YN-1234PRO(P)]

YN-13PRO(P)



YN-1234PRO(P)



- Specification

Model	YN-13PRO(P)		YN-1234PRO(P)
Type	With vacuum pump		
Applicable refrigerant	HFC-134a		HFC-1234yf
Oil	PAG and POE		
Tank capacity	7.5 L		
Power requirement	Single-phase		
Size	L580 x W559 x H1,130 mm		
Weight	90 kg		

[Coolant Changer and Charger — ASW-2A, AE-401]

ASW-2A



AE-401



- Specification

Model	ASW-2A
Air pressure	1.0 MPa
Size	L400 x W450 x H1,250 mm
Weight	21 kg

Model	AE-401
Capacity	15 L
Air pressure	0.6 to 1.0 MPa
Size	L300 x W420 x H450 mm
Weight	4.5 kg

[Air Element and DPF Cleaner — AD-1]



- Specification

Model	AD-1
Max. air volume	10 m ³ /min
Static pressure	2.25 kPa
Air pressure	0.7 to 1.0 MPa
Power requirement	Single-phase
Size	L960 x W1,250 x H1,600 mm
Weight	140 kg

[Air Impactor — AP-500Z]



Checker (Option)



- Specification

Model	AP-500Z
DPF diameter	Max. ø430
Air pressure	0.7 to 1.4 MPa
Size	L687 x W525 H888 mm
Weight	41.5 kg

[Abnormal Noise detection Tester — RT-303A]



- Specification

Model	RT-303A
Detection signal	Detected as acceleration by 4CH sensor
Detection method	Dot display method with 10-element LED
Means of displaying	Logarithmically compressed peak value display
Power requirement	Size AA battery x 4
Size	L160 x W225 x H28 mm
Weight	0.65 kg



- Section I -

ELECTRICAL

EQUIPMENT

[Battery Quick Charger — HR-MAX70DA, BR-MAX70iS]



- Specification

Model	HR-MAX70DA	HR-MAX100	BR-MAX70iS		
Type	Standard		Start-stop system		
Rated power output	Voltage 6 to 12 V 70 A (Continuous rating: 50 A) Voltage 18 to 24 V 35 A (Continuous rating: 25 A)	Voltage 12 to 24 V 100 A (Continuous rating: 80 A)	Voltage	Battery type	Constant current
			6 V	Standard [general, MF]	1 A, 2 A, 3 A, 4 A, 5 A, 6 A
				Deep-cycle [Ca]	
			12 V	Standard [general, MF]	1 A, 2 A, 3 A, 4 A, 5 A, 6 A, 10 A, 20 A, 30 A, 40 A
				Deep-cycle [Ca]	
				Start-stop system	
			24 V	Motor starting support (2 min.)	70 A
				Standard [general, MF]	1 A, 2 A, 3 A, 4 A, 5 A, 6 A, 10 A, 20 A
				Deep-cycle [Ca]	
Start-stop system					
Power requirement	Single-phase				
Size	L310 x W430 x H740 mm				
Weight	32 kg	48 kg	32 kg		

[Battery Checker — SK-8550]



Printer



Carrying Case

- Specification

Model	SK-8550
Display language	English, Japanese
Cable length	70 cm
Battery checking	Battery check for 12V
	Start performance check for 12V & 24V batteries
	Charging system check for 12V & 24V batteries
Power requirement	Target battery to check, USB connection
Size	L55 x W96 x H248 mm
Weight	0.67 kg

[Automatic Battery-Water Supplier — MB-3LA]



- Specification

Model	MB-3LA
Tank capacity	3 L
Water supply volume	0.7 L/min
Hose length	1.2 m
Power requirement	Size D battery x 4
Size	L150 x W200 x H264 mm
Weight	1.5 kg

[Digital Multimeter — KT-2022]



Battery voltage



r. p. m.

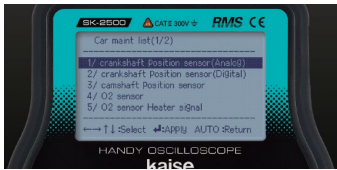


Alternator
charging current

- Specification

Model	KT-2022
Measurement Items	DC Voltage, AC Voltage, DC Current, AC Current, Resistance, Frequency, r. p. m., Dwell Angle, Duty Cycle, Injection Pulse Width, Temperature, Diode Test, Continuity Test, Capacitance
Power requirement	Size AAA [IEC R03] battery x 2
Size	L161 x W80 x H50 mm
Weight	0.34 kg

[Handy Oscilloscope — SK-2500]



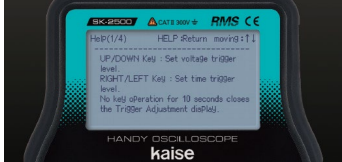
Car maintenance list



DMM mode



Graph mode

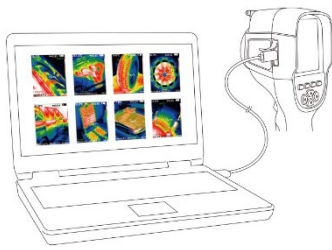


HELP screen

- Specification

Model	SK-2500
Display language	English, Japanese
Number of Channels	2 Channels
Measurement Items	DC Voltage, AC Voltage, Resistance, Continuity, Frequency Duty Cycle Pulse Width, Temperature
Power requirement	Size AA battery x 4
Size	L162 x W167 x H35 mm
Weight	0.57 kg

[Thermography Camera — KT-500]



Data storage



Case

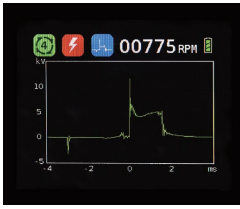
- Specification

Model	KT-500
Display language	English, Japanese, Chinese, Italian, German
Display	Color 3.2 " TFT
Test Range	-20 to 300 °C
USB	Micro USB2.0 Micro-B
Power requirement	Rechargeable Lithium battery DC3.7 V 2,000 mAh
Size	L90 x W105 x H223 mm
Weight	0.43 kg

[Ignition Analyzer — KG-300]



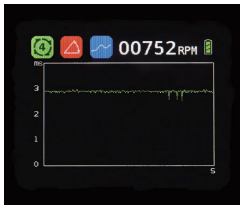
Engine r. p. m.



Spark Plug
Voltage



Spark Burn
(Firing) Time



Primary
Current Ramp
Time

- Specification

Model	KG-300
Measurement Items	Engine r. p. m., Spark Plug Voltage, Spark Burn Time, Dwell Angle, Primary Coil Current Ramp Time
Ignition Systems	Direct ignition, High-tension code, Wasted spark ignition systems
Engine Types	2 and 4 stroke engine cycle
Power requirement	Rechargeable Lithium battery 3.2 V 1,500 mAh
Size	L34 x W99 x H160 mm
Weight	0.33 kg

Memo



- Section J -

MESURING
INSTRUMENTS

[Digital ratchet — GEK085-R3, GEK085-R4, GEK200-R4]   

GEK085-R3, R4



GEK200-R4



- Specification

Model	GEK085-R3	GEK085-R4	GEK200-R4
Torque range	17 to 85 N m		40 to 200 N m
Min. scale	0.1 N m		0.2 N m
Square drive size	9.5 mm	12.7 mm	
Size	L271 mm	L274 mm	L580 mm
Weight	0.44 kg	0.59 kg	0.99 kg

[Torque Wrench — GW100-03, GW100-04, GW200-04, GW300-04]   

GW100-03, 04



GW200-04



GW300-04



- Specification

Model	GW100-03	GW100-04	GW200-04	GW300-04
Torque range	20 to 100 N m		40 to 200 N m	60 to 300 N m
Min. scale	0.5 N m		1.0 N m	2.0 N m
Square drive size	9.5 mm	12.7 mm		
Size	L446.9 mm		L531.3 mm	L623.2 mm
Weight	1.0 kg		1.3 kg	1.6 kg

[Torque Wrench — DQLE750N2, DQLE1000N2]



DQLE750N2



- Specification

Model	DQLE750N2	DQLE1000N2
Torque range	150 to 750 N m	200 to 1,000 N m
Min. scale	5.0 N m	
Square drive size	19.0 mm	25.4 mm
Size	L1,342 mm	L1,515 mm
Weight	5.7 kg	7.9 kg

[Torque Wrench Checker — LC200N3, LC1000N3, TTC-500]



LC200N3



LC1000N3



TTC-500



- Specification

Model	LC200N3	LC1000N3	TTC-500
Torque range	5 to 200 N m	50 to 1,000 N m	20 to 500 N m
Square drive size	12.7 mm	25.4 mm	9.5, 12.7, 19.0, 25.4 mm
Size	L278 x W160 x H167 mm	L500 x W290 x H186 mm	L173 x W205 x H85 mm
Weight	10.5 kg	34 kg	2.6 kg

[Preset-type Torque Wrench — TW1000N2]



- Specification

Model	TW1000N2
Type	With power booster
Torque range	400 to 1,000 N m
Min. scale	5 N m
Square drive size	25.4 mm
Size	L1,010 x W460 x H94 mm
Weight	22 kg

- Section K -

AIR COMPRESSOR **AND ACCESSORY**

[Air Compressor — NLP-W-37PRD, NLP-W-75PRD, NLP-W-110PRD]   



- Specification

Model	NLP-W-37PRD	NLP-W-75PRD	NLP-W-110PRD
Type	Package, incl. dryer		
Motor rated-power output	3.7 kW	7.5 kW	11 kW
Control method	Pressure switch		
Max. pressure	1.4 MPa		
Discharge volume	390 L/min	730 L/min	1,050 L/min
Air tank capacity	38 L	35 L	37 L
Power requirement	Three-phase		
Size	L650 x W1,085 x H1,190 mm	L930 x W1,005 x H1,645 mm	L1,065 x W1,265 x H1,965 mm
Weight	254 kg	429 kg	617 kg

[Air Compressor — W-33P, W-37P, W-75P, W-110P]   

W-33P



W-37P



W-75P



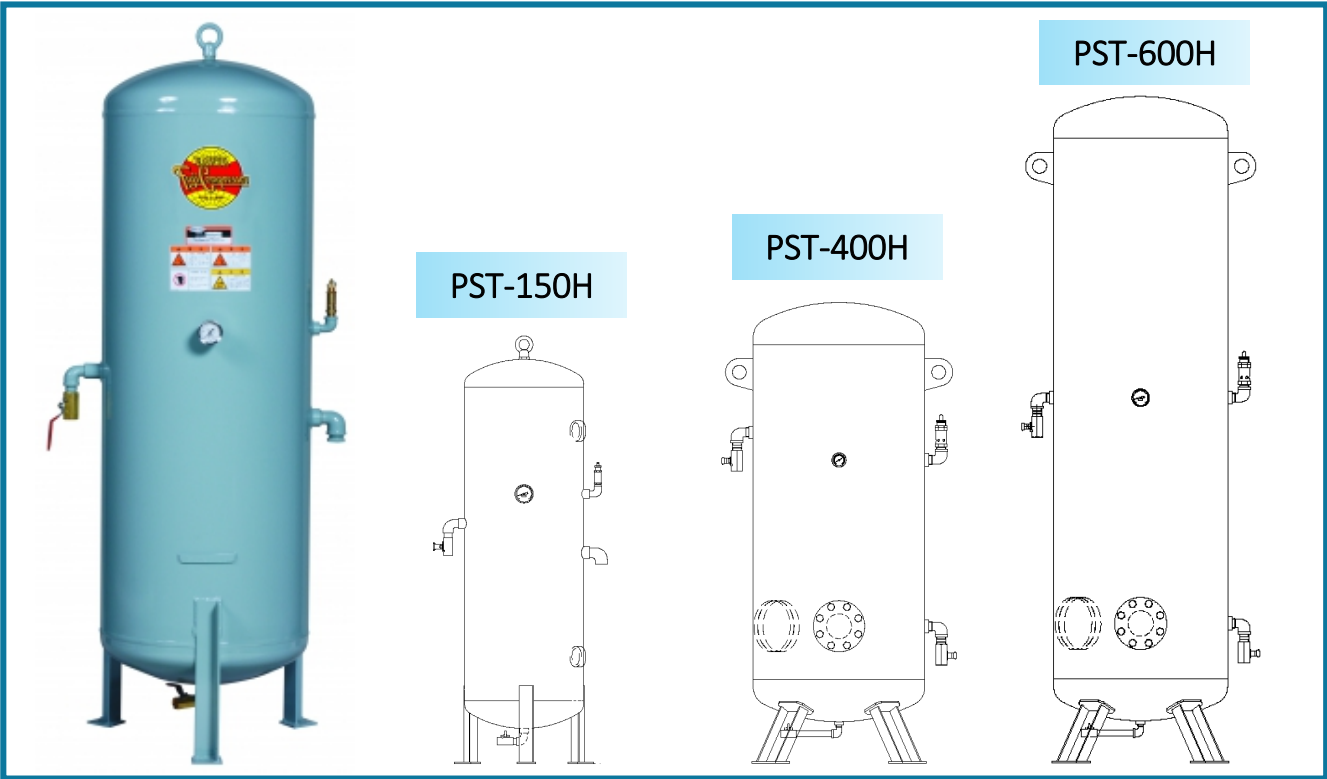
W-110P



- Specification

Model	W-33P	W-37P	W-75P	W-110P
Type	Tank-independent			
Motor rated-power output	2.2 kW	3.7 kW	7.5 kW	11 kW
Control method	Pressure switch			
Max. pressure	1.4 MPa			
Discharge volume	210 L/min	390 L/min	730 L/min	1,050 L/min
Air tank capacity	155 L	220 L	260 L	317 L
Power requirement	Three-phase			
Size	L560 x W1,440 x H1,010 mm	L595 x W1,445 x H1,050 mm	L605 x W1,685 x H1,135 mm	L625 x W2,030 x H1,180 mm
Weight	220 kg	235 kg	365 kg	465 kg

[Sub Tank— PST-150H, PST-400H, PST-600H]   



- Specification

Model	PST-150H	PST-400H	PST-600H
Type	For air compressor		
Air tank capacity	150 L	400 L	600 L
Max. operating pressure	1.47 MPa		
Size	Approx. L666 x W478 x H1,460 mm	Approx. L663 x W818 x H1,664 mm	L630 x W818 x H2,372 mm
Weight	100 kg	255 kg	350 kg

[Air Dryer — FDB-22, FDB-37, FDB-75]   



- Specification

Model	FDB-22	FDB-37	FDB-75
Adaptive compressor	2.2 kW	3.7kW	7.5 kW
Air pressure	0.14 to 1.40 MPa		
Power requirement	Single-phase	Three-phase	
Size	L410 x W244 x H544 mm	L644 x W269 x H544 mm	L685 x W267 x H601 mm
Weight	26 kg	32 kg	43 kg

[Auto Air Drain — P1-2HE]



- Specification

Model	P1-2HE
Max. operating pressure	1.5 MPa
Drainage system	Drainage at every activation of compressor
Power requirement	Single-phase
Size	L182 x W100 H141 mm
Weight	1.75 kg

[Electronic Trap — UP155-4]



- Specification

Model	UP155-4
Type	High voltage
Max. operating pressure	1.5 MPa
Drainage system	Drainage every 15 min.
Power requirement	Three-phase
Size	L185 x W210 x H121 mm
Weight	3.5 kg

[Air Booster - AIRHOP — AH-2]



- Specification

Model	AH-2
Input pressure	1.0 MPa
Output pressure	1.6 MPa
Discharge volume	220 L/min
Size	L120 x W295 x H200 mm
Weight	4 kg



Memo

- Section L -

AIR AND ELECTRIC *TOOLS*

[Impact Wrench — KW-1600proX, KW-2500pro]



KW-1600proX



KW-2500pro



- Specification

Model	KW-1600proX	KW-2500pro
Square drive size	12.7 mm	19.0 mm
Suitable bolt size	16 mm	25 mm
Torque range	70 to 330 N m	200 to 980 N m
r. p. m.	6,000	4,500
Size	L170 x W60 x H177 mm	L224 x W86 x H240 mm
Weight	1.4 kg	4.2 kg

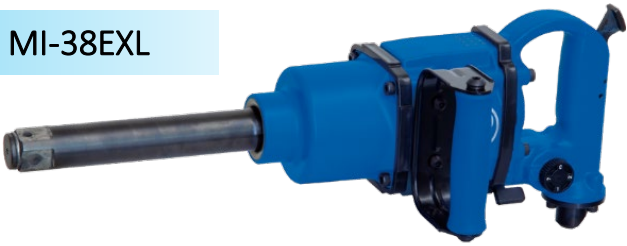
[Impact Wrench — KW-3800proXGL, MI-38EXL]



KW-3800proXGL



MI-38EXL



- Specification

Model	KW-3800proXGL	MI-38EXL
Square drive size	25.4 mm	
Suitable bolt size	38 mm	
Torque range	300 to 1,370 N m	1,700 N m
r. p. m.	4,500	5,300
Size	L467 x W193 x H171 mm	L465 x H180 mm
Weight	7.4 kg	6.2 kg

[Air Impact Wrench and Driver — KW-50P, KW-50PD]



- Specification

Model	KW-50P	KW-50PD
Drive size	9.5 mm	6.35 mm
Suitable bolt size	12 mm	5 mm
Torque range	2 to 30 N m	
Max. torque	40 N m	
r. p. m.	10,000	
Size	L156 mm	L171 mm
Weight	0.62 kg	0.64 kg

[Air Ratchet Wrench — MR538]



- Specification

Model	MR538
Square drive size	9.5 mm
Suitable bolt size	10 mm
Torque range	200 to 700 N m
Max. torque	10 N m
r. p. m.	310
Size	L165 mm
Weight	0.5 kg

[Air Angle Grinder— KAG-20, KAG-45]



- Specification

Model	KAG-20	KAG-45
Grinding stone size	50 x 9 mm	100 x 16 mm
r. p. m.	12,200	12,000
Size	L157 x W67 x H67 mm	L226 x W195 x H96 mm
Weight	0.59. kg	1.8 kg

[Air Dual Action Sander — KDM-055S, KDM-055]



KDM-055S



KDM-055



- Specification

Model	KDM-055S	KDM-055
Type	Suction	Non suction
Pad size	122 mm	
Orbital diameter	5 mm	
r. p. m.	9,500	
Size	L212 x W122 x H81 mm	L146 x W122 x H81 mm
Weight	0.74 kg	0.71 kg

[Air Orbital Sander — KOS-42S, KOS-42]



KOS-42S



KOS-42



- Specification

Model	KOS-42S	KOS-42
Type	Suction	Non suction
Orbital diameter	3 mm	
r. p. m.	10,000	
Size	L175 x W74 x H82 mm	L137 x W74 x H82 mm
Weight	0.64 kg	0.61 kg

[Rust Remover Set - MBX DIE BLASTER — SDB-001]



- Specification

Model	SDB-001
r. p. m.	0 to 2,500
Air Pressure	0.5 MPa
Weight	1.1 kg

[Air Wet Polisher — KAP-04W]



- Specification

Model	KAP-04W
Pad size	100 mm
Air lead hose	5 m
Water hose	5 m
r. p. m.	6,000
Size	L214 x W156 x H90 mm
Weight	1.2 kg

[Air Sander and Polisher — KVP-501]



- Specification

Model	KVP-501
Pad size	125 mm
r. p. m.	3,000
Size	L212 x W175 x H128 mm
Weight	1.1 kg

[Air Polisher — PM-045]



- Specification

Model	PM-045
Pad size	108 mm
r. p. m.	9,500
Size	L157 x W108 x H94 mm
Weight	1 kg

[Power Torque Setter — PTS-150EX-L, PTS-450EX]



- Specification

Model	PTS-150EX-L	PTS-450EX
Square drive size	12.7 mm	19.0 mm
Torque range	50 to 150 N m	140 to 450 N m
r. p. m.	120	100
Power requirement	Size AA battery x 2	Size AA battery x 4
Size	L317 x W56 x H230 mm	L354 x W72 x H232 mm
Weight	2.7 kg	5.3 kg

[Power Torque Setter — PTS-800ESL-R, PTS-1000E]



- Specification

Model	PTS-800ESL-R	PTS-1000E
Square drive size	25.4 mm	25.4 mm
Torque range	300 to 800 N m	400 to 1,000 N m
r. p. m.	125	135
Power requirement	Size AA battery x 8	Size AA battery x 6
Size	L646 x H188 mm	L722 x W 201 x H155 mm
Weight	11.8 kg	15 kg

[Cordless Impact Wrench — KW-E190pro, KW-E250pro]



- Specification

Model	KW-E190pro	KW-E250pro
Square drive size	12.7 mm	19.0 mm
Suitable bolt size	14 to 24 mm	16 to 27 mm
Torque range	100 to 470 N m	200 to 700 N m
Max. torque	580 N m	750 N m
r. p. m.	1,550	1,900
Power requirement	Rechargeable Lithium battery 18 V / 5.0 Ah	Rechargeable Lithium battery 21.6 V / 4.2 Ah
Size	L214 x W77 x H252 mm	L250 x W77 x H295 mm
Weight	2.6 kg	3.6 kg

[Cordless Impact Wrench — JTAE473, JTAE681]



- Specification

Model	JTAE473	JTAE681
Square drive size	12.7 mm	19.0 mm
Torque range	350 N m	850 N m
Max. torque	500 N m	1000 N m
r. p. m.	2,200	1,650
Power requirement	Rechargeable Lithium battery 18 V / 3 Ah	Rechargeable Lithium battery 18 V / 5 Ah
Size	L170 x W76 x H257 mm	L243 x W80 x H278 mm
Weight	2.1 kg	3.6 kg

[Cordless Torque Limit Impact Wrench Set — JTAE411]



- Specification

Model	JTAE411
Square drive size	12.7 mm
Suitable bolt size	14 to 24 mm
Torque range	100 to 470 N m
Max. torque	580 N m
r. p. m.	1,550
Power requirement	Rechargeable Lithium battery 18 V / 5.0 Ah
Size	L214 x W77 x H252 mm
Weight	2.6 kg

[Impact Wrench Hanger — NRH-618-C]



- Specification

Model	NRH-618-C
Applicable impact wrench weight	6 to 18 kg
Arm moving range	422 to 1,120 mm
Working range with impact wrench	200 to 850 mm
Size	L556 x W576 x H950 mm
Weight	30 kg

- Section M -

GARAGE SERVICE **EQUIPMENT**

[Air Hose Reel — WHC-206A, SHS-213A, SHR-35Z]   

WHC-206A



SHS-213A



SHR-35Z



- Specification

Model	WHC-206A	SHS-213A	SHR-35Z
Hose materials	Polyurethane		
Inner diameter	6.5 mm		8.0 mm
Length	6 m	13 m	15 m
Maximum working pressure	1.4 MPa		
Size	L272 x W146 x H228 mm	L290 x W152 x H314 mm	L384 x W173 x H408 mm
Weight	2.7 kg	3.5 kg	6.8 kg

[Outlet Cord Reel — WCC-306, SCS-310, SLR-15N]   

WCC-306



SCS-310



SLR-15N



Plug / Socket Option



A/C/I



A/A3



EF/E



B/B



G/G



- Specification

Model	WCC-306	SCS-310	SLR-15N
Cord type	PSE		
Cord thickness	1.25 mm ² x 3 Cords		
Length	6 m	10 m	15 m
Power rating	AC 125 V to 250 V		
Size	L272 x W147 x H228 mm	L290 x W164 x H314 mm	L384 x W183 x H408 mm
Weight	3.0 kg	4.1 kg	7.7 kg

[Reel Box — SBN-2]



- Specification

Model	SBN-2
Type	Easy maintenance
Size	L370 x W440 x H430 mm
Weight	9.5 kg

[LED Work Light — LEL-03A]



Super wide irradiation
200°

Not glaring in your eyes
Lights up the area as ordinary fluorescent lamps. Equipped with the cover prevents glaring/multi shadow. *Multi shadow is a phenomenon when shadows from multiple LEDs overlap each other making it difficult to see the objects.

Light weight Thin body
Fits in the tight space such as engine compartment

 **MADE in JAPAN**

Weight 200g
1/2LB

Rechargeable battery powered.
Maximum 5 hours operation

Thickness 20mm
Width 32mm

Thin body will fit well on the hands.

First-ever feature.
Twice as irradiation angle compare to previous light.



L-EDGE LIGHT 200°
Previous light 120°

2 Types of Recharging

■Connect with Cable reel to recharge
"Hand Light" + "Cable Reel Adaptor" set model LEL-03A-R
"Cable Reel Adaptor" model LEL-R



■Recharge with dedicated stand
"Hand Light" + "Recharging Stand" set model LEL-03A-S
"Recharging Stand" model LEL-S



"Hand Light" + "Cable Reel Adaptor" + "Recharging Stand" set model LEL-03A-RS

- Specification

Model	LEL-03A
Input	DC 5 V
Consumption	4.65 W (during charging)
Battery	Lithium ion battery 3.7 V 2,450 mA
LED type	LED chip : 12 pieces
Size	L334 x W32 x H20 mm
Weight	200 g

Model	LEL-R (Cable Reel Adaptor)
Input	AC 100 to 240 V
Consumption	6.5 W (during charging)
Size	L218 x W55 x H39 mm
Weight	140 g
Model	LEL-S (Recharging Stand)
Input	AC 100 to 240 V
Consumption	6.5 W (during charging)
Size	L91 x W81 x H66 mm
Weight	150 g

[Tool Carrier— ART, NPW-1A]



ART



NPW-1A



- Specification

Model	ART	NPW-1A
Capacity per carrier	300 kg (Side panel: 20 kg)	80 kg
Size	L750 x W750 x H1,843 mm	L500 x W500 x H1,623 mm
Weight	175 kg	28.5 kg

[Hand Pallet Truck — BM20M]



- Specification

Model	BM20M
Capacity	2,000 kg
Fork length	1,070 mm
Fork external width	520 mm
Fork internal width	214 mm
Min. height	80 mm
Max. height	200 mm
Weight	79 kg

[Stabilizer-Bush Changer — TR-414GS]



- Specification

Model	TR-414GS
Capacity	50 ton
Stroke	90 mm
Suitable object	Stabilizer-/torque rod bush with outer ø105
	Stabilizer bush with outer ø65 and slits for 4-ton automobiles

[Shackle-Bush Puller— AP-216SP]



- Specification

Model	AP-216SP
When to use	Replacing shackle bushings for automobiles from 4-ton to heavy-duty
	Removing shackle pins
	Removing anchor pins

[Coil Spring Compressor — HSC-340]



- Specification

Model	HSC-340
Length	280 mm
Stroke	200 mm
Max. attachment size	280 mm
Ability for compression	800 kg
Model (Option)	HSC-10
Opening width	20 to 55 mm
Size	L110 x W115 x H95 mm
Weight	2.5 kg



Memo



ANZEN



ANZEN MOTOR CAR Co., Ltd.

4-16-25, Shibaura Minato-ku, Tokyo 108-0023, Japan

Phone: +81 3-5441-3412 / Fax: +81 3-5441-8848

<http://www.anzen.co.jp/english>

Product improvement continuing.

Designs and specifications are subject to change without prior notice or obligation.

Please contact us for details.