

Power System



Battery + Electro Surgical Motor

SIXAN BRAXIS www.aygun.com



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2016

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AYGÜN, one of the leading establishment of Turkey in the field of Medical Industry, was founded in 1988.

It manufactures Container Systems for Sterilization, Surgical Motor Systems, Medical Illumination Systems and Single Use Medical Systems in its facility at Samsun Central Organized Industrial Zone.

AYGÜN meets the needs of significant part of Turkey as a result of its continuous R&D works and the capacity increasing. It manufactures its products in international standards and put them to the world market with a high competitive power. Moreover with its integrated quality management system, it proves that it is a specialized establishment.

Besides being a manufacturer, AYGÜN is also a designer company and with its continuous product development works it increases number of its patents, on the other hand, is contributing career development of rising generation by acting as a school.



Alle 1 cm 2 PRAXIS HSM AYGUN° AYGUN° ower Syster F1611146441 NAP Neuro Air Power Surgical Motor AYGUN° AYGUN[®] STANDARD MACRO

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Praxis System With Powerful Brushless Motor...

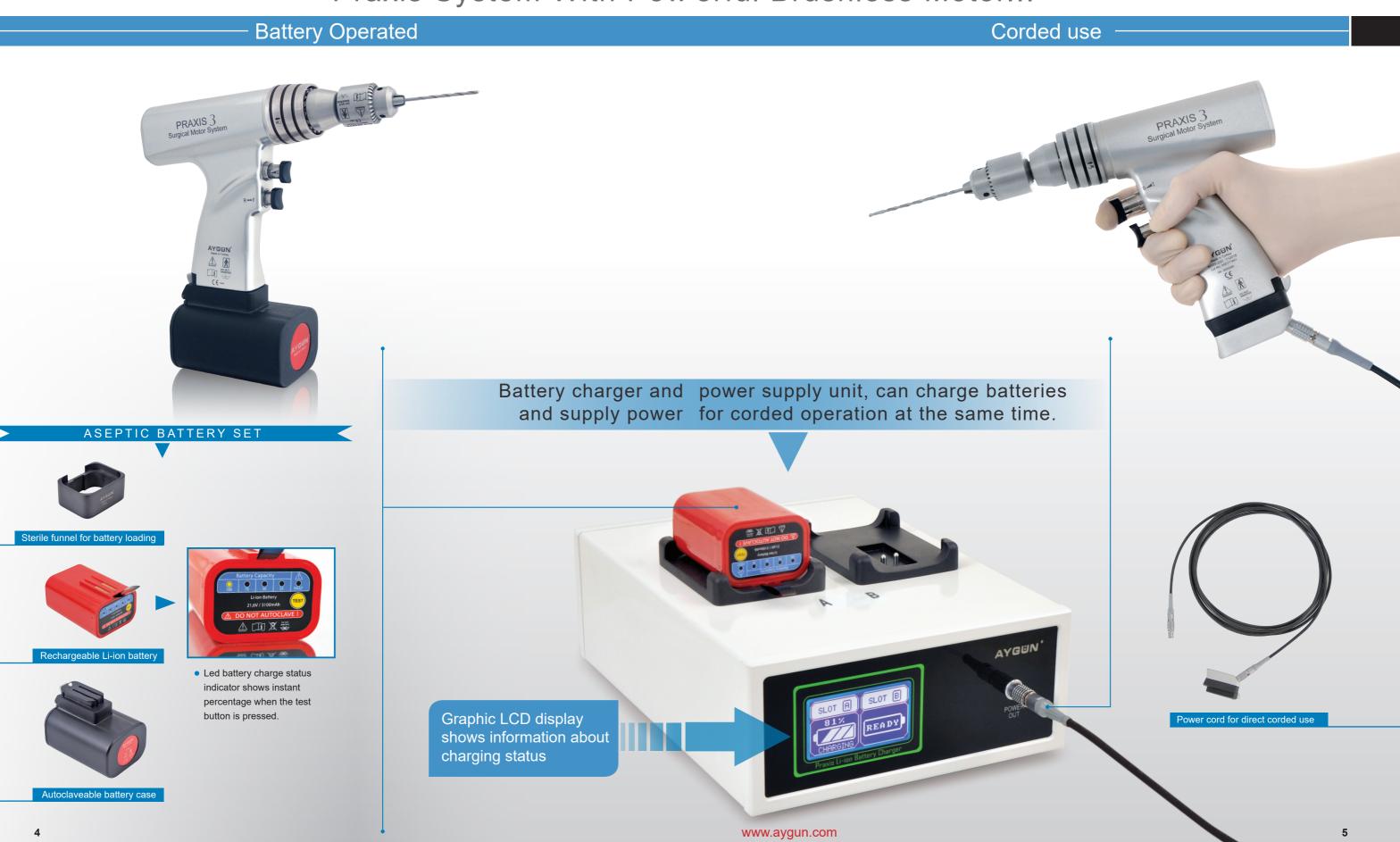




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Battery Charging Units with Power Supply



M103-210 Rechargeable Li-ion battery

- Battery capacity: 3.1 Ah
- Voltage: 21.6 Volts
- Led battery charge status indicator
- Generates a "beep tone" when starts working
- Not autoclaveable
- 84 x 63 x 47 mm / 355 g



M103-211 Autoclaveable battery case

- Steam sterilisable at 2 bar 134° C
- 102 x 82 x 72 mm / 235 g



M103-212 Autoclaveable sterile funnel for aseptic battery loading

- Steam sterilisable at 2 bar 134° C
- 78 x 59 x 35 mm / 60 g



• Easy coupling power cord maintains continuous operation.







M103-226

Charger unit for 1 battery

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery not included
- 137 x 128 x 110 mm / 700 g

M103-227

Charger unit for 2 batteries

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery not included
- 237 x 230 x 126 mm / 3.2 kg

M103-229

Charger unit for 4 batteries

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery not included
- 320 x 310 x 150 mm / 4.5 kg







Battery Operated



Power Supply For Direct Corded Use



• 4 m / 310 g

M103-228

Power supply unit for direct corded use

- Main voltage 100-240 Volts, 50-60 Hz
- Power socket output 25.2 V / 14 A
- Protections: Short circuit / Overload / Over voltage
- Cable not included
- 235 x 230 x 116 mm / 3.5 kg

M103-224

Power supply and Charger unit for 2 batteries

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Power socket output 25.2 V / 14 A
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery and Cable not included
- 320 x 230 x 140 mm / 4.9 kg

M103-225

Power supply and Charger unit for 4 batteries

- Main voltage 100-240 Volts, 50-60 Hz
- Charging monitored by LCD screen
- Charging current 1.4 A
- Charging voltage 21.6 Volts
- Power socket output 25.2 V / 14 A
- Protections: Short circuit / Overload / Over voltage
- Generates an audible tone when charging is started or finished
- Battery and Cable not included
- 320 x 310 x 150 mm / 5.6 kg

Drill Attachment



 Easy coupling system allows changing / repositioning attachments quickly



M103-308

Ø4 mm Cannulated Ø 1.0 mm - 4.0 mm 900 rpm / 7 Nm 30 x 88 mm / 260 g



M103-309

Ø4 mm Cannulated Ø 1.0 mm - 6.35 mm 900 rpm / 7 Nm 30 x 104 mm / 310 g



 Dual trigger system simplifies forward / reverse operation





• 4 mm cannulated handpiece supports K-wire operations



Length

M103-310

Both keyed and keyless operation Ø4 mm Cannulated Ø 1.0 mm - 6.35 mm

900 rpm / 7 Nm

Drill bits

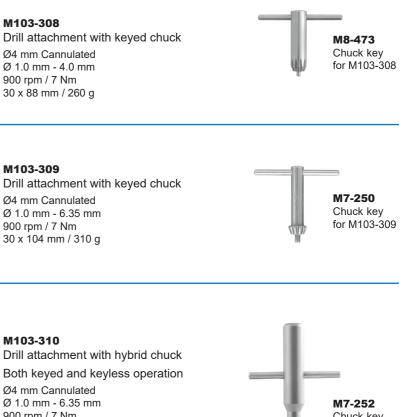
Code	(Ø) Diameter mm	Length mm
M7-500	1.5	60
M7-501	2.0	100
M7-502	2.5	100
M7-503	2.7	100
M7-504	3.0	100
M7-505	3.2	100
M7-506	3.5	100
M7-507	4.0	110
M7-508	4.5	130
M7-509	5.0	160
M7-510	6.0	160



M103-200 Handpiece

- Swiss made powerful cannulated brushless DC motor technology
- Dual trigger system for speed control and direction control
- $\bullet\,$ Steam sterilisable at 2 bar 134° C
- Cannulated Ø 4 mm
- 43 x 141 x 154 mm / 940 g





34 x 117 mm / 420 g

_ -	_
NV.	M7-252 Chuck key for M103-310

				(.				
			ill Bit Attachm	nents				
			PRA Surge a D In-r A M CE-	XIS 3 Otor System			OSTEO	
-						_	DHS	
_	SQUAF		•	M103-360 Attachment for SQU 900 rpm / 7 Nm 30 x 91 mm / 200 g	IARE shank		AO-PROTEK	
	AO	the second se		M103-361 Attachment for AO s 900 rpm / 7 Nm 30 x 83 mm / 190 g	shank	-		
-			e 0 0	M103-362 Attachment for TRIN 900 rpm / 7 Nm 30 x 81 mm / 200 g	IKE shank	-	HUDSON	
					drill bits	-	HARRIS	
Length	L Length mm	Ø Diameter mm	SQUARE	AO AD AD	TRINKE	-	ZIMMER-HUDSON	
	38 45 53	1.5 2.0 2.5	M7-520 M7-521 M7-522	M7-540 M7-541 M7-542	M7-560 M7-561 M7-562	-	ZIMMER	
	57 57 57 65	2.7 3.0 3.2 3.5	M7-523 M7-524 M7-525 M7-526	M7-543 M7-544 M7-545 M7-546	M7-563 M7-564 M7-565 M7-566			
	70	4.0	M7-527	M7-547	M7-567			

M7-568

M7-569

M7-570

70

95

120

4.5

5.0

6.0

M7-528

M7-529

M7-530

M7-548

M7-549

M7-550





M103-375 Attachment for OSTEO shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 89 mm / 225 g



M103-376 Attachment for DHS shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 97 mm / 220 g



M103-377 Attachment for AO-PROTEK shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 85 mm / 260 g



M103-378 Attachment for HUDSON shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 85 mm / 230 g



M103-379 Attachment for HARRIS shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 90 mm / 227 g

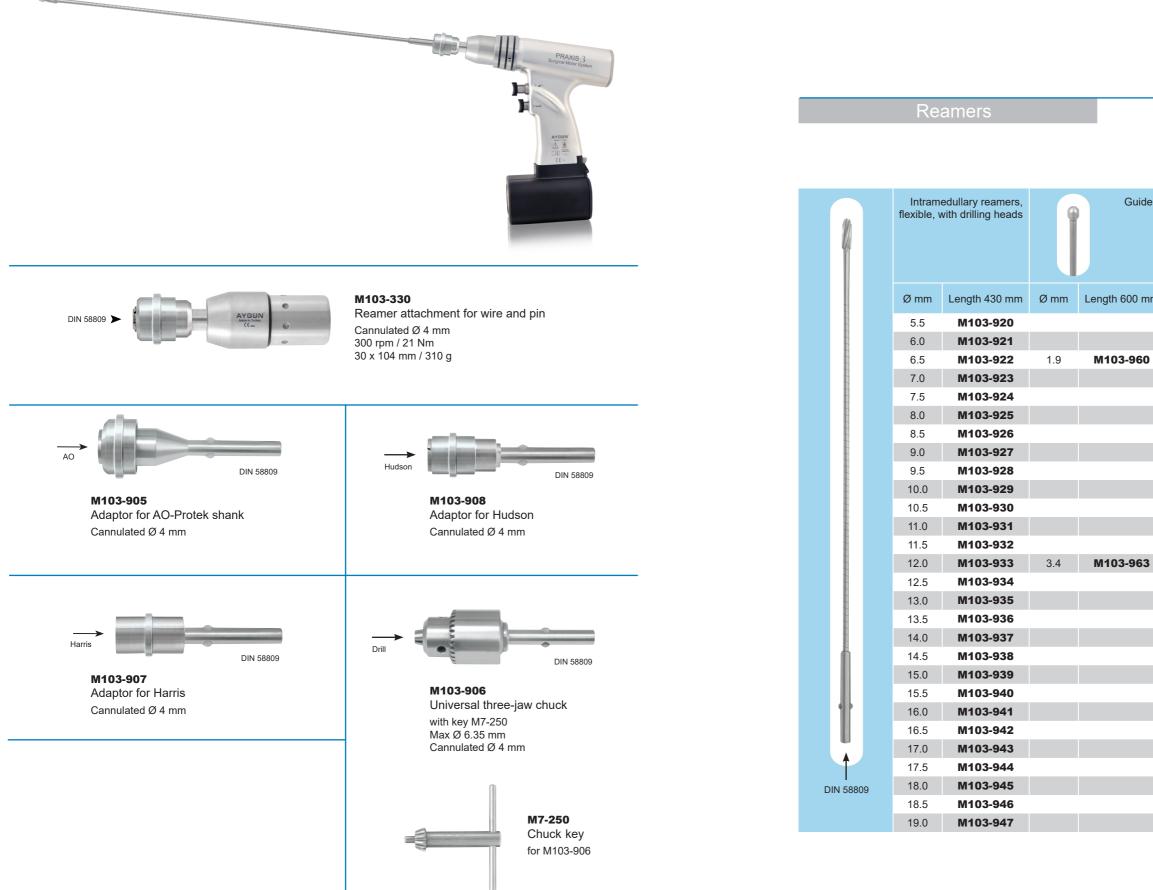


M103-380 Attachment for ZIMMER-HUDSON shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 90 mm / 235 g



M103-381 Attachment for ZIMMER shank Ø4 mm Cannulated 300 rpm / 7 Nm 30 x 90 mm / 235 g

Reamer Attachment





des, I	blunt		Guides, w	ith drill tip
mm	Length 990 mm	Ømm	Length 600 mm	Length 990 mm
0	M103-961	1.9	M103-962	
3	M103-964	3.4		M103-965



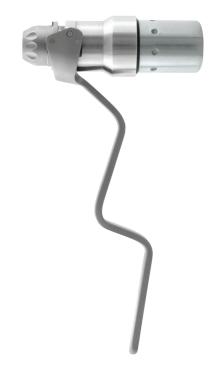




	M7-750	Ø 46 mm
	M7-751	Ø 48 mm
	M7-752	Ø 50 mm
	M7-753	Ø 52 mm
	M7-754	Ø 56 mm
	M7-755	Ø 60 mm
	M7-756	Ø 64 mm
	M7-757	Ø 68 mm

Quick - Action Chuck (For K-wire operations)





M103-352

Quick - action chuck Cannulated Ø 0.7 mm - 2.5 mm 900 rpm / 7 Nm 30 X 87 mm / 350 g

M103-353 Quick - action chuck Cannulated Ø 1.5 mm - 4.0 mm 900 rpm / 7 Nm 30 X 87 mm / 350 g

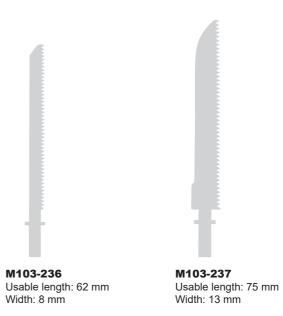




M103-235B Reciprocating saw system (Without saw blades, battery and battery case)

16.000 cpm / ←> 4 mm 210 X 150 mm / 1060 g

Reciprocating saw blades

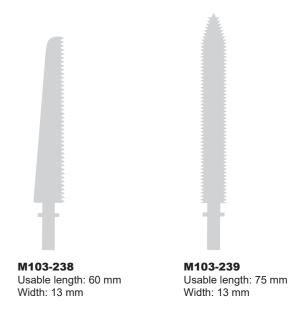


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Sagittal Saw System

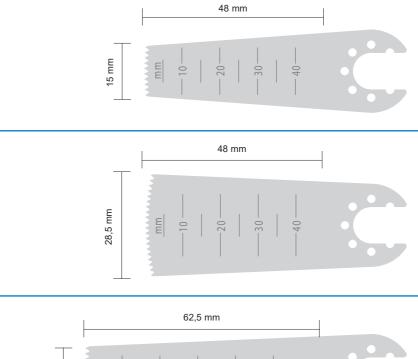


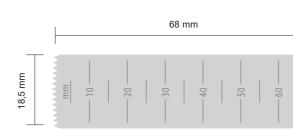
M103-300B Sagittal saw system (Without saw blades, battery and battery case)

16.000 cpm / 🖂 4° 50' 180 x 160 / 1110 g

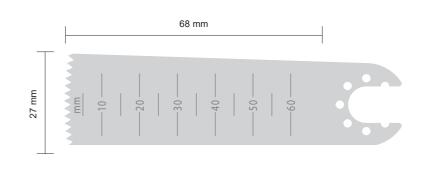


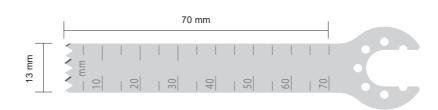




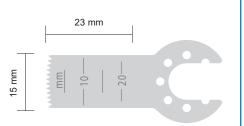


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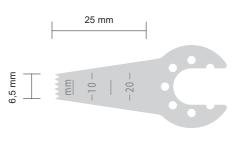




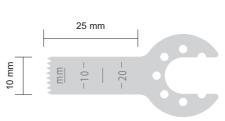
Sagittal saw blades



M103-1110 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm



M103-1111 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm



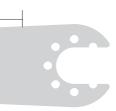
M103-1112 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm

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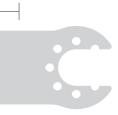


M103-1113 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm

M103-1114 Material Thickness: 0.4 mm Cutting Thickness: 0.6 mm



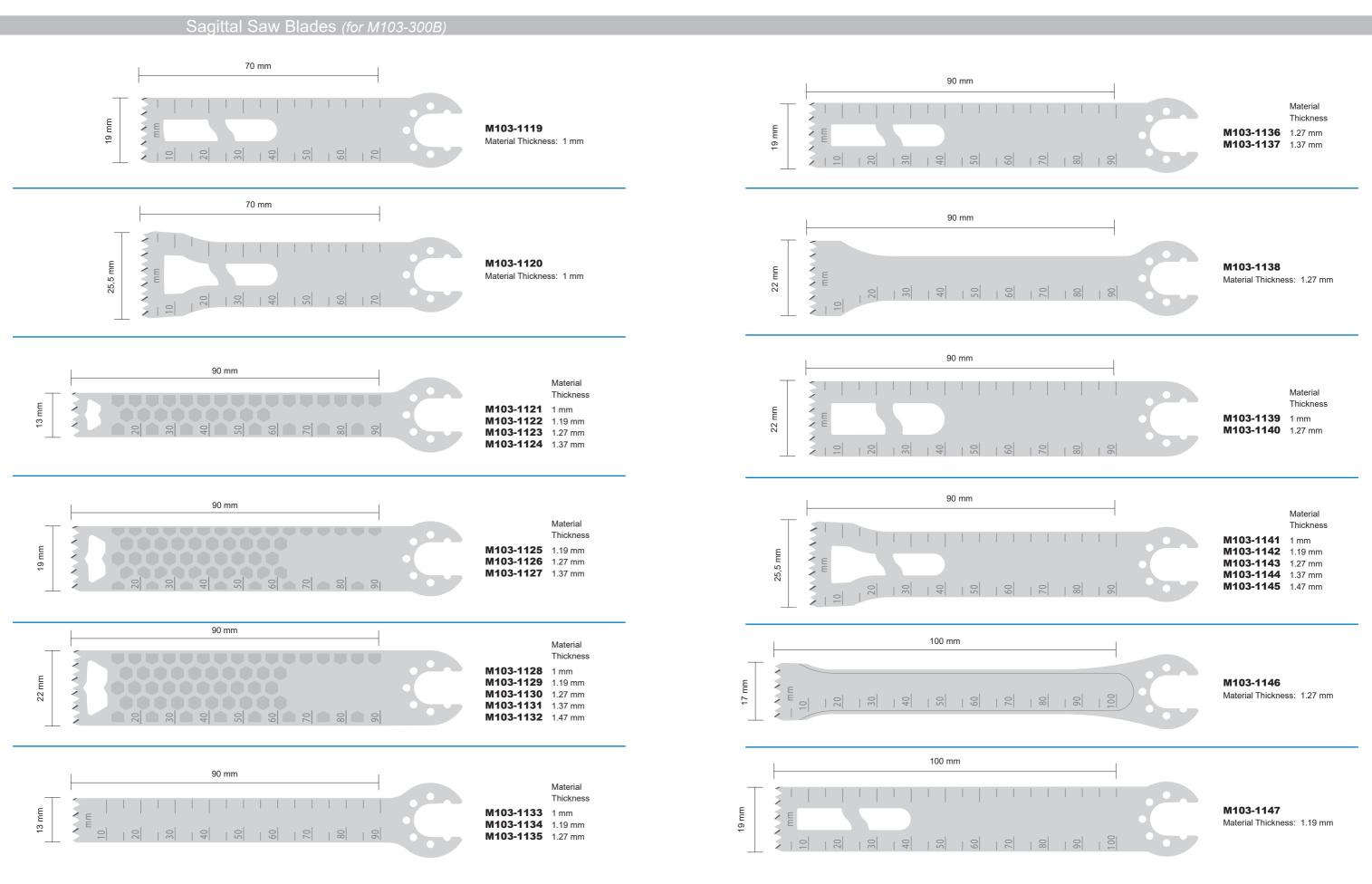
M103-1115 Material Thickness: 0.6 mm Cutting Thickness: 0.8 mm



M103-1116 Material Thickness: 0.6 mm Cutting Thickness: 0.8 mm

M103-1117 Material Thickness: 0.6 mm Cutting Thickness: 0.8 mm

M103-1118 Material Thickness: 1.19 mm





Sternum Saw System





M103-240B Sternum saw system (Without saw blade, guide, battery and battery case)

16.000 cpm / ← > 4 mm 210 x 154 mm / 1280 g





M103-300B Sagittal saw system (Without saw blades, battery and battery case)

16.000 cpm / <u>4</u>° 50' 180 x 160 / 1110 g



M103-715 Adult saw guide

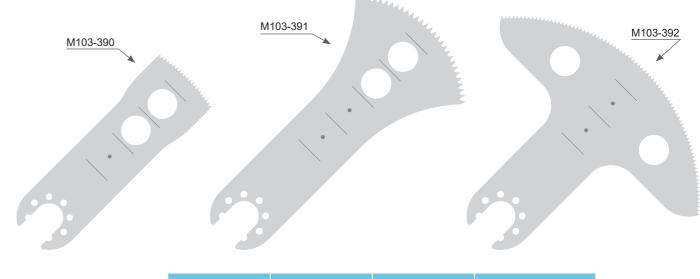
Adult saw blade	Code	Length	Usable Length	Blade Thickness	Cutting Thickness
	M103-709	58 mm	35 mm	0,6 mm	1 mm
	M103-710	58 mm	35 mm	0,8 mm	1,2 mm



M103-716 Pediatric saw guide

Usable Blade Cutting Pediatric saw blade Code Length Length Thickness Thickness M103-711 40 mm 18 mm 0.6 mm 0.6 mm M103-712 40 mm 18 mm 0.6 mm 0,8 mm

Blades for M103-300B



Code	Length
M103-390	35 mm
M103-391	50 mm
M103-392	35 mm



Oscillating Saw System





Width	Thickness
25 mm	0.8 mm
40 mm	0.8 mm
75 mm	0.8 mm

Orthopedic Set, Basic



M103-1001	Battery Orthopedic Set
Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-226	Charger unit for 1 battery
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
M103-300B	Sagittal saw system
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
M103-320	Acetabular reamer attachment
M103-330	Reamer attachment for wire and pin
K3-1723	Basket with silicone fixations 540 x 253 x 113 mm

M103-1002 Battery + Electro Orthopedic Set

Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
M103-300B	Sagittal saw system
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
M103-320	Acetabular reamer attachment
M103-330	Reamer attachment for wire and pin
K3-1723	Basket with silicone fixations 540 x 253 x 113 mm

Orthopedic Set, Large



M103-1003	Battery Orthopedic Set
Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery (3 pcs)
M103-211	Autoclaveable battery case (3 pcs)
M103-212	Autoclaveable sterile funnel for aseptic battery loading (3 pcs)
M103-226	Charger unit for 1 battery
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
M103-300B	Sagittal saw system
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
M103-320	Acetabular reamer attachment
M103-330	Reamer attachment for wire and pin
M103-235B	Reciprocating saw system
M103-239	Reciprocating Saw blade
M103-352	Quick - action chuck
K3-1723-S1	Basket with silicone fixations for handpiece 540 x 253 x 113 mm
K3-1723-S2	Basket with silicone fixations for battery case 540 x 253 x 113 mm





M103-1004 Battery + Electro Orthopedic Set

Content

M103-200	Handpiece
M103-210	Rechargeable Li-ion battery (3 pcs)
M103-211	Autoclaveable battery case (3 pcs)
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading (3 pcs)
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
M103-300B	Sagittal saw system
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
M103-320	Acetabular reamer attachment
M103-330	Reamer attachment for wire and pin
M103-235B	Reciprocating saw system
M103-239	Reciprocating Saw blade
M103-352	Quick - action chuck
K3-1723-S1	Basket with silicone fixations for handpiece
	540 x 253 x 113 mm
K3-1723-S2	Basket with silicone fixations for battery case 540 x 253 x 113 mm

Drill Set



		PROXE 3B.	

M103-1007	Battery Sagittal Saw Set
Content	
M103-300B	Sagittal saw system
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-226	Charger unit for 1 battery
M103-1117	Sagittal saw blade
M103-1146	Sagittal saw blade
K3-1731-S1	Basket with silicone fixations
	405 x 253 x 113 mm

M103-1005	Battery Drill Set
Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-226	Charger unit for 1 battery
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
K3-1731	Basket with silicone fixations 405 x 253 x 113 mm

M103-1006	Battery + Electro Drill Set
Content	
Content	
M103-200	Handpiece
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-309	Drill attachment with keyed chuck
M7-502	Drill bit
M7-504	Drill bit
M7-250	Chuck key for M103-309
K3-1731	Basket with silicone fixations
	405 x 253 x 113 mm



Battery Reciprocating Saw Set	
Reciprocating saw system	
Rechargeable Li-ion battery	
Autoclaveable battery case	
Autoclaveable sterile funnel for aseptic battery loading	
Charger unit for 1 battery	
Reciprocating Saw blade	
Basket with silicone fixations 405 x 253 x 113 mm	



Sagittal Saw Set



M103-1008 Battery + Electro Sagittal Saw Set

Content M103-300B Sagittal saw system M103-210 Rechargeable Li-ion battery M103-211 Autoclaveable battery case M103-212 Autoclaveable sterile funnel for aseptic battery loading M103-223 Autoclaveable power cord for direct corded use M103-224 Power supply and Charger unit for 2 batteries M103-1117 Sagittal saw blade M103-1146 Sagittal saw blade K3-1731-S1 Basket with silicone fixations 405 x 253 x 113 mm

Reciprocating Saw Set

M103-1014 Battery + Electro Reciprocating Saw Set

Content	
M103-235B	Reciprocating saw system
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-239	Reciprocating Saw blade
K3-1731-S3	Basket with silicone fixations
	405 x 253 x 113 mm

Sternal Saw Set

Cardio Vascular Set





M103-1009	Battery Sternal Saw Set
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Content	
M103-240B	Sternum saw system
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for aseptic battery loading
M103-226	Charger unit for 1 battery
M103-715	Adult saw guide
M103-710	Adult saw blade
K3-1731-S2	Basket with silicone fixations 405 x 253 x 113 mm

M103-1010 Battery + Electro Sternal Saw Set

	04
M103-240B	Sternum saw system
M103-210	Rechargeable Li-ion battery
M103-211	Autoclaveable battery case
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-715	Adult saw guide
M103-710	Adult saw blade
K3-1731-S2	Basket with silicone fixations
	405 x 253 x 113 mm

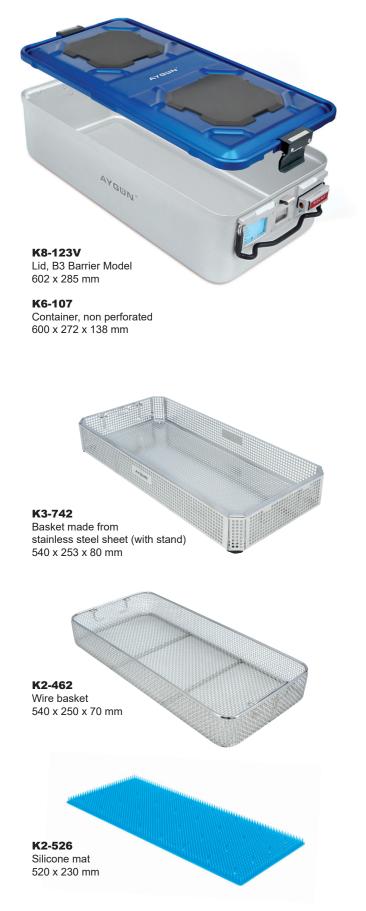
M103-1011	Battery Cardio Vascular Set
.	
Content	
M103-240B	Sternum saw system
M103-210	Rechargeable Li-ion battery (2 pcs)
M103-211	Autoclaveable battery case (2 pcs)
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-226	Charger unit for 1 battery
M103-300B	Sagittal saw system
M103-715	Adult saw guide
M103-710	Adult saw blade
M103-392	Oscillating saw blade
K3-1723-S3	Basket with silicone fixations
	540 x 253 x 113 mm



M103-1012 Battery + Electro Cardio Vascular Set

Content	
M103-240B	Sternum saw system
M103-210	Rechargeable Li-ion battery (2 pcs)
M103-211	Autoclaveable battery case (2 pcs)
M103-212	Autoclaveable sterile funnel for
	aseptic battery loading
M103-223	Autoclaveable power cord for direct corded use
M103-224	Power supply and Charger unit for 2 batteries
M103-300B	Sagittal saw system
M103-715	Adult saw guide
M103-710	Adult saw blade
M103-392	Oscillating saw blade
K3-1723-S3	Basket with silicone fixations 540 x 253 x 113 mm

Container Set For Sterilization

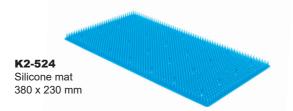




K6-307 Container, non perforated 475 x 272 x 138 mm



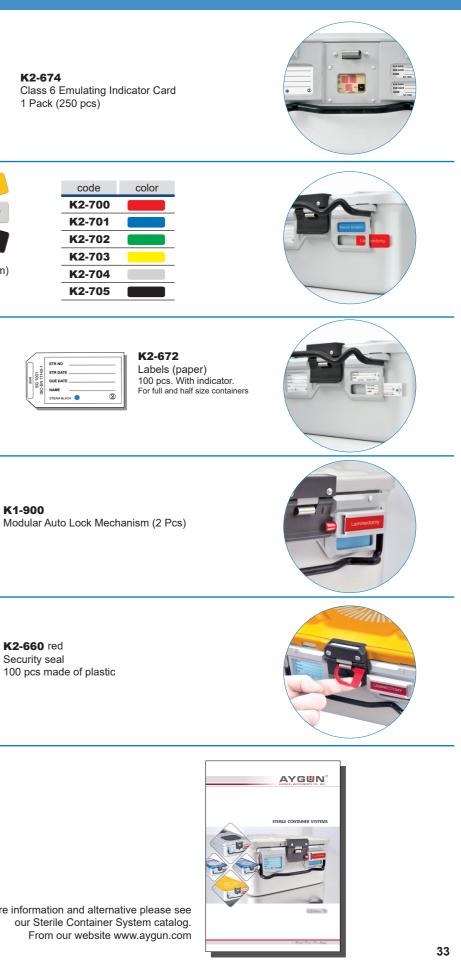




AYGUN Class 6 EMULATIN EN-ISO 11140-1 134°C - 3,5 min 121°C - 15 min > REF

K2-674 1 Pack (250 pcs)





Identification labels (aluminium) Coloured identification labels Engraved to your specifications Maximum 16 letters

/				XX	K2-
,	NAME	1000	ISO EN 11140-1	SGM R	Labe
					For sr

-673 els (paper) pcs. With indicator. mall size and special tainers

<u> </u>		
́б-І	STR NO	
42	STR DATE	
80M N 10	DUE DATE	
So E	NAME	
U "	STEAM BLACK	2



K1-900



K2-660 red Security seal 100 pcs made of plastic

For more information and alternative please see

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