



HS TOOLS
PRODUCT CATALOGUE
2023

PLEASE NOTE THAT SOME ITEMS IN THIS CATALOGUE MAY HAVE BEEN DISCONTINUED OR TAKEN OUT OF PRODUCTION. PRICES, COLOURS AND/OR COMPOSITION OF OUR PRODUCTS

MAY CHANGE OVER TIME. WE RECOMMEND A VISIT TO OUR WEBSITE FOR UPDATED VERSIONS OF OUR BROCHURES.

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Foreword OUR PROMISE FROM CEO

About Us EMD PROFILE COMPANY HISTORY

Neurosurgery ROTARY TOOLS FOR HIGH SPEED MOTOR SYSTEMS



Be Ahead Of The Curve With Our **Latest Innovations**

WE ARE FAMILY OF MOTIVATED INDIVIDUALS, DRIVEN BY OUR DESIRE TO MAKE INNOVATIVE, EXCELLENT QUALITY MEDICAL PRODUCTS AVAILABLE TO MODERN MEDICINE IN A SUSTAINABLE WAY.

At EMD we offer quality design, production and services, that enable medical professionals to perform advanced minimal invasive operations.

Our carefully accumulated knowledge and expertise enable us to create singular tools and devices that medical professionals can use sustainably. To offer our customers the best of the best, our products are manufactured with meticulous care from high quality materials.

We are dedicated and passionate in everything we do. Through our performance and solution driven mindset, we have the opportunity to make a difference. We are innovation and business oriented with a strong belief in daring to do things better.

Everything we do is rooted in the belief that, together with our colleagues, teams and partners, we can create positive change to support modern medicine through our high-end

Each time before we embark on a new development, we have to make sure we possess the essential attributes that will fuel us to work for years to come for the very moment we first hold a new product in hand. These are: know-how, perseverance, proof and faith.

We've been working hard and have come a long way over the last 25 years. When EMD was founded in 1997, we were thinking about how we could design and manufacture minimal invasive medical devices. Since then, we've made such a progress as a team that today, however, we are thinking about how to become one of the best and most innovative companies in the industry.

We are proud of the progress we're making, and are ensuring that our expertise and competencies are essential elements of EMD's future that we will continue to embrace and grow."





8 Product Catalogue

About Us **emd** 9

EMD is founded as a repair service provider. Main activity is repair of endoscopic optics and endoscopic 1997 instruments. We launch our laparoscopic system being first own product 2001 development. EMD steps out of being a local supplier and starts export 2005 activities in various markets. EMD begins to develop and produce neurosurgery devices. EMD relocates to new headquarters with more on site facilities. 2012 Company profile continues to expand. The company obtains CE approval for own neurosurgical and 2017 laparoscopy development. Product portfolio is further increased by six additional EMD 2021 product group receiving CE mark. First product group got FDA approval. 2022

Our Vision

We believe in leading not following. We turn fault into our virtue and trust our nevercompromising nature dictating our rhythm, which takes us to innovative ideas and exceptional product developments.

We are convinced that possibility is bigger than the fear of failure. That is why we dare to dream big and are not afraid to be challenged on the way to success. Our vision is to be industry leaders in medical device development and manufacture.

Our Mission

OUR MISSION IS TO SUPPORT MODERN MEDICINE BY OFFERING ADVANCED, FIRST-CLASS QUALITY MEDICAL DEVICES.

Our Values

We like to walk our talk and lead by example. Our values are part of who we are, what we stand for and how we act.

Our great colleagues make the difference. It's when we share our skills, knowledge and expertise, we become one team.

We encourage and help each other to achieve our goals, while always having our customers' and their patients' best interest in mind.

Markets & Expansion

EMD is expanding, with a focus on multi-channel sales. We treat and nurture long term partnerships and business growth as one of our top priorities. We offer advanced and unique medical tools for minimal invasive surgeries that want to give professionals unbeatable value with the best combination of innovation, quality, price and sustainability.

When it comes to expansion strategies and activities, we spare no time to find the most prosperable opportunities we are able to find out there, that not only benefit us, but our partners too. With the continuous product developments we have been making recently, we are enthusiastic to be on the path greatly expanding our existing presence on the market.

Research & Development

Our network of medical professionals, together with the global industry needs and challenges set new directions to our developments.

Through our product developments, our priority is to effectively support surgical procedures, which are still very difficult or can only be performed with conventional surgery, so that they could be carried out with as few and little incisions as possible. In the near future, we continue to focus on minimal invasive developments and present new products for spine,neuro,- and laparoscopic surgery.

Innovative Solutions

Innovative product developments enable us to find and implement new technologic solutions, which are not yet in practice.

At the birth of a new idea, we start exploring ways of execution and won't stop until we find the right technology that can be applied for best results. This way, we are inspired to never stand still, we find new discoveries and are able to create that was thought impossible.

WE BELIEVE THAT

Uncompromising Quality

IS A MATTER OF HIGH EXPECTATIONS.

GUARANTEEING THE RELIABILITY OF AN **emd®** PRODUCT REQUIRES THE APPLICATION OF A MULTITUDE OF SKILLS. FROM THE PRECISE SELECTION OF RAW MATERIALS AND MACHINING TECHNOLOGIES TO THE COMPLEXITY OF PRODUCT CERTIFICATION, EVERY STEP IS TAKEN TO ENSURE THAT OUR QUALITY ITEMS MEET THE HIGHEST SAFETY STANDARDS FOR BOTH THE PATIENT AND THE SURGEON.

ROTARY TOOLS

PRECISELY DESIGNED SHAPES, PERFECTLY MACHINED SURFACES AND RELIABLY DURABLE CONTRUCTION ARE THE MAIN FEATURES OF **emd**® MADE *cutters, burrs and drills*.

HIGH-SPEED TOOLS ARE AVAILABLE WITH THE MOST COMMONLY USED GEOMETRIES, COMPATIBLE WITH A WIDE RANGE OF BRANDS.

ALL PRODUCTS ARE SUPPLIED IN INDIVIDUAL STERILE PACKAGING.

CRANIOTOME CUTTERS CODING

NI	C	Δ-7	1-10	Δ-7
NEUROLINE	CUTTER	COMPATBILITY*	SIZE	EDGE PROFILE

BURRS CODING

LINDEMANN WIREPASS

NEUROLINE	BURR	COMPATBILITY*	EDGE PROFILE	MATERIAL OF HEAD	RELEVANT SIZE	SUBSYSTEM
NL	В	A-Z	A-Z	0-2	0-10	A-Z

ILES	BALLTIP	Α	EAD	STAINLESS STEAL	0	* <u></u>	EMD	-
PROF	MATCH HEAD	В	OF H	CARBIDE	1	\TBIL	NSK PRIMADO - NAKANISHI INC.	N
EAD	ACORN	С	RIAL	DIAMOND	2)MP/	AESCULAP HI-LINE, HI-LINE XS - AESCULAP AG	AE
뿔	EGG	D	MATE			8	ANSPACH XM, MM, EM - JOHNSON & JOHNSON	ΑN
	PEAR	E	2				STRYKER U SERIE, FP, TPS - STRYKER CORP.	s
	FISSURE	F					ADEOR - ADEOR MEDICAL AG	Z
	BARREL	G						

EMD is not affiliated with any of the above.



emd

emd® SIZE 1 NLC-1T SIZE 2 NLC-2T

SIZE 3

SIZE 4

NLC-3T SIZE 4 NLC-4T (max. 30.000 rpm)

	NSK Primado2		Aesculap			eMAX2 plus XM, MM, EM	Stryker Elite	Adeor Velocity Alpha
SIZE 1	NLC-N-1T	NG	NLC-Ae-1TA	NG	NLC-Ae-1TB	NLC-An-IT	NLC-S-IT	NLC-Z-IT
SIZE 2	NLC-N-2T	4 1-R	NLC-Ae-2TA	1 2-R	NLC-Ae-2TB	NLC-An-2TA	NLC-S-2T	NLC-Z-2T
SIZE 3	NLC-N-3T	LAN	NLC-Ae-3TA	LAN	NLC-Ae-3TB	NLC-An-3TA	NLC-S-3T	NLC-Z-3T
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WITH THREE CUTTING EDGES



	GIIG
SIZE 1	NLC-1ST
SIZE 2	NLC-2ST
SIZE 3	NLC-3ST
SIZE 4	NLC-4ST (max. 30.000 rpm)

	NSK Primado2		Aesculap			eMAX2 plus XM, MM, EM	Stryker Elite	Adeor Velocity Alpha
SIZE 1	NLC-N-1ST	Ŋ	NLC-Ae-1STA	NG	NLC-Ae-1STB	NLC-An-1ST	NLC-S-1ST	NLC-Z-1ST
SIZE 2	NLC-N-2ST	4 1-R	NLC-Ae-2STA	4 2-R	NLC-Ae-2STB	NLC-An-2ST	NLC-S-2ST	NLC-Z-2ST
SIZE 3	NLC-N-3ST	ELAN	NLC-Ae-3STA	LAN	NLC-Ae-3STB	NLC-An-3ST	NLC-S-3ST	NLC-Z-3ST
SIZE 4				ш	1			

Anspach

BALLTIP BURRS



BALLTIP BURRS



emd®

NLB-A210A NLB-A220A

NLB-S-A250A

NLB-S-A260A

NLB-Z-A250A

NLB-Z-A260A



NLB-S-A040A

NLB-S-A050A

NLB-S-A060A

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NLB-Z-A040A

NLB-Z-A050A

NLB-Z-A060A

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	emd ===

		emd [®]												
$\widehat{\Xi}$	1	NLB-A010A												
(MM =	2	NLB-A020A												
Ø	3	NLB-A030A												
	4	NLB-A040A												
	5	NLB-A050A												
	6	NLB-A060A												
		NSK Primado2												
$\widehat{\mathbb{Z}}$	1 💆	NLB-N-A010A	NRT	NLB-N-A010B)RT	NLB-N-A010C	Σ	NLB-N-A010D	LONG	NLB-N-A010E				
S = MM)	2	NLB-N-A020A	EXTRA SHORT	NLB-N-A020B	SHORT	NLB-N-A020C	MEDIUM	NLB-N-A020D	으	NLB-N-A020E				
<u>Ø</u>	3	NLB-N-A030A	XTR/	NLB-N-A030B		NLB-N-A030C		NLB-N-A030D		NLB-N-A030E				
	4	NLB-N-A040A	"	NLB-N-A040B		NLB-N-A040C		NLB-N-A040D		NLB-N-A040E				
	5	NLB-N-A050A		NLB-N-A050B		NLB-N-A050C		NLB-N-A050D		NLB-N-A050E				
	6	NLB-N-A060A		NLB-N-A060B		NLB-N-A060C		NLB-N-A060D		NLB-N-A060E				
						Anspach								
		Aesculap				eMAX2 plus XM, MM, EM								
(N)	1 💆	NLB-Ae-A010A	ĎΝ	NLB-Ae-A010B	RD	NLB-An-A010A	\RD	NLB-An-A010B	\RD	NLB-An-A010C				
(MM = Ø)	1 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	NLB-Ae-A020A	ELAN4 2-RING	NLB-Ae-A020B	SHORT, STANDARD	NLB-An-A020A	MEDIUM, STANDARD	NLB-An-A020B	LONG, STANDARD	NLB-An-A020C				
٣	3 YNA	NLB-Ae-A030A	LAN4	NLB-Ae-A030B	T, ST,	NLB-An-A030A	M, ST,	NLB-An-A030B	3, ST/	NLB-An-A030C				
	4	NLB-Ae-A040A	ш	NLB-Ae-A040B	HOR	NLB-An-A040A	EDIU	NLB-An-A040B	LONG	NLB-An-A040C				
	5	NLB-Ae-A050A		NLB-Ae-A050B	S	NLB-An-A050A	Σ	NLB-An-A050B		NLB-An-A050C				
	6	NLB-Ae-A060A		NLB-Ae-A060B		NLB-An-A060A		NLB-An-A060B		NLB-An-A060C				
		Stryker Elite		Adeor Velocity Alpha										
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(MM = Ø	2	NLB-S-A020A		NLB-Z-A020A										
Š	3	NLB-S-A030A		NLB-Z-A030A										

٣	3		NLB-A230A								
	4		NLB-A240A								
	5		NLB-A250A								
	6		NLB-A260A								
			NSK Primado2								
MM	1	S	NLB-N-A210A	ORT	NLB-N-A210B	L NC	NLB-N-A210C	ΣΙ	NLB-N-A210D	LONG	NLB-N-A210E
≥ 0	2		NLB-N-A220A	N SHORT	NLB-N-A220B	SHORT	NLB-N-A220C	MEDIUM	NLB-N-A220D	S	NLB-N-A220E
٥	3		NLB-N-A230A	EXTRA	NLB-N-A230B		NLB-N-A230C		NLB-N-A230D		NLB-N-A230E
	4		NLB-N-A240A	Ш	NLB-N-A240B		NLB-N-A240C		NLB-N-A240D		NLB-N-A240E
	5		NLB-N-A250A		NLB-N-A250B		NLB-N-A250C		NLB-N-A250D		NLB-N-A250E
	6		NLB-N-A260A		NLB-N-A260B		NLB-N-A260C		NLB-N-A260D		NLB-N-A260E
			Aesculap				Anspach eMAX2 plus XM, MM, EM				
$\widehat{\Xi}$	1 9	D	NLB-Ae-A210A	<u>0</u>	NLB-Ae-A210B	RD	NLB-An-A210A	RD	NLB-An-A210B	RD	NLB-An-A210C
= MM)	2	ELAN4 I-RING	NLB-Ae-A220A	2-RING	NLB-Ae-A220B	STANDARD	NLB-An-A220A	ANDARD	NLB-An-A220B	LONG, STANDARD	NLB-An-A220C
Ø	3	LAN4	NLB-Ae-A230A	ELAN4	NLB-Ae-A230B	, STA	NLB-An-A230A	ST	NLB-An-A230B		NLB-An-A230C
	4	ш	NLB-Ae-A240A	ᇳ	NLB-Ae-A240B	SHORT,	NLB-An-A240A	MEDIUM,	NLB-An-A240B	ONG	NLB-An-A240C
	5		NLB-Ae-A250A		NLB-Ae-A250B	S	NLB-An-A250A	M	NLB-An-A250B		NLB-An-A250C
	6		NLB-Ae-A260A		NLB-Ae-A260B		NLB-An-A260A		NLB-An-A260B		NLB-An-A260C
			Stryker Elite		Adeor Velocity Alpha						
(MM =	1		NLB-S-A210A		NLB-Z-A210A						
 	2		NLB-S-A220A		NLB-Z-A220A						
ات											
	3		NLB-S-A230A		NLB-Z-A230A						

Stainless Steel

ACORN BURRS

emd®

NLB-C050A

NLB-S-C080A

NLB-Z-C080A

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cmd

		ema
MM)	1.8	NLB-B018A
= Ø	2.2	NLB-B022A
ت	3.0	NLB-B030A

		NSK Primado2								
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			Aesculap				Anspach eMAX2 plus XM, MM, EM				
MM	1.8	Ŋ	NLB-Ae-B018A	Ŋ	NLB-Ae-B018B	\RD	NLB-An-B018A	٨RD	NLB-An-B018B	\RD	NLB-An-B018C
√ = Ø	2.2	4 1-RI	NLB-Ae-B022A	12-RI	NLB-Ae-B022B	AND/	NLB-An-B022A	AND/	NLB-An-B022B	AND	NLB-An-B022C
٣	3.0	ELAN	NLB-Ae-B030A	ELAN4	NLB-Ae-B030B	ORT, ST	NLB-An-B030A	JIUM, ST	NLB-An-B030B	JNG, ST	NLB-An-B030C
I						동		닏		۱ ت	

		Stryker Elite	Velocity Alpha
MM	1.8	NLB-S-B018A	NLB-Z-B018A
V = Ø)	2.2	NLB-S-B022A	NLB-Z-B022A
	3.0	NLB-S-B030A	NLB-Z-B030 <i>A</i>

≥ = Ø)	6	NLB-C060A							
٣	7	NLB-C070A							
	8	NLB-C080A							
(MM = Ø)	5 × 5 6 7 8	NSK Primado2	NLB-N-C070B	SHORT	NLB-N-C070C				
		Aesculap			Anspach eMAX2 plus XM, MM, EM				
Σ	5 9	NLB-Ae-C050A	NLB-Ae-C050B	ARD	NLB-An-C050A	ARD	NLB-An-C050B	ARD	NLB-An-C050C
(MM = Ø)	5 6 7 FIND 7	NLB-Ae-C050A NLB-Ae-C060A NLB-Ae-C070A	NLB-Ae-C060B	ANDARD	NLB-An-C060A	MEDIUM, STANDARD	NLB-An-C060B	STANDARD	NLB-An-C060C
	7 Ž	NLB-Ae-C070A	NLB-Ae-C070B	T, ST	NLB-An-C070A	M, ST	NLB-An-C070B	G, ST	NLB-An-C070C
	8	NLB-Ae-C080A	NLB-Ae-C080B	SHORT,	NLB-An-C080A	EDIUI	NLB-An-C080B	PONC	NLB-An-C080C
				07		Σ			
		Stryker Elite	Adeor Velocity Alpha						
(MM = M)	5	NLB-S-C050A	NLB-Z-C050A						
ا ق	6	NLB-S-C060A	NLB-Z-C060A						
	7	NLB-S-C070A	NLB-Z-C070A						





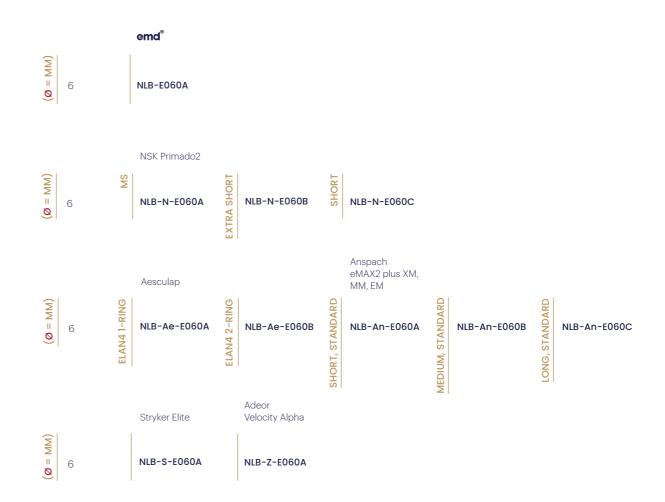
EGG BURRS







		emd [®]							
\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	4	NLB-D040A							
(MM = Ø)	6	NLB-D060A							
$\overline{\left(\mathbb{W}\mathbb{W}=\mathbb{Q}\right)}$	4 S	NSK Primado2 NLB-N-D040A NLB-N-D060A V V V V V V V V V V V V V V V V V V	NLB-N-D040B NLB-N-D060B	SHORT	NLB-N-D040C NLB-N-D060C				
		Aesculap			Anspach eMAX2 plus XM, MM, EM				
₩ W	4 💆	NLB-Ae-D040A	NLB-Ae-D040B	4RD	NLB-An-D040A	ARD	NLB-An-D040B	4RD	NLB-An-D040C
(MM = Ø)	9 P	NLB-Ae-D040A NLB-Ae-D060A 784NB NLB-Ae-D060A 784NB NLB-Ae-D060A 784NB NLB-Ae-D040A	NLB-Ae-D060B	SHORT, STANDARD	NLB-An-D060A	MEDIUM, STANDARD	NLB-An-D060B	LONG, STANDARD	NLB-An-D060C
		Stryker Elite	Adeor Velocity Alpha						
(M)	4	NLB-S-D040A	NLB-Z-D040A						
(MM = Ø)	6	NLB-S-D060A	NLB-Z-D060A						







		emd®	NSK Primado2					Stryker Elite
(MM	1	NLB-F010A	NLB-N-F010A	ORT	NLB-N-F010B	ORT	NLB-N-F010C	NLB-S-F010A
= Ø)	1.5	NLB-F015A	NLB-N-F015A	A SHO	NLB-N-F015B	SHC	NLB-N-F015C	NLB-S-F015A
ا ت	2	NLB-F020A	NLB-N-F020A	EXTR/	NLB-N-F020B		NLB-N-F020C	



BARREL BURRS



		ema	NSK Primado2						Stryker Elite
₩ W	4	NLB-G040A	NLB-N-G040A	ORT	NLB-N-G040B	ORT	NLB-N-G040C		NLB-S-F010
(MM = Ø)	6	NLB-G060A	NLB-N-G060A	EXTRA SHORT	NLB-N-G060B	SHORT	NLB-N-G060C		NLB-S-F020
		Aesculap			Anspach eMAX2 plus XM, MM, EM				
MM	4 0 2	NLB-Ae-G040A	NLB-Ae-G040B	ARD	NLB-An-G040A	ARD	NLB-An-G040B	ARD	NLB-An-G040C
N = Ø)	9 P	NLB-Ae-G060A NLB-Ae-G060A	NLB-Ae-G060B	SHORT, STANDA	NLB-An-G060A	MEDIUM, STANDARD	NLB-An-G060B	LONG, STANDA	NLB-An-G060C
		Stryker Elite	Adeor Velocity Alpha			_			
MM	4	NLB-S-G040A							
	6	NLB-S-G060A	NLB-Z-G060A						



WIREPASS DRILLS

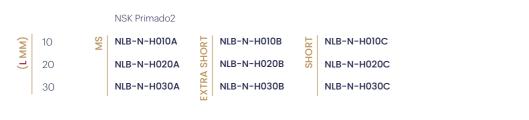
emd®

NLB-I010A

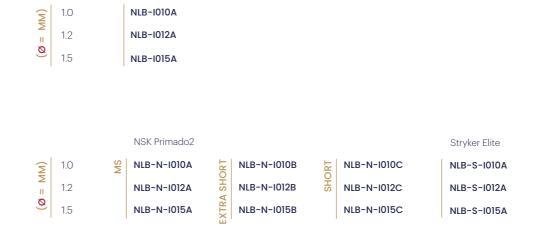




		emd®
(L MM)	10	NLB-H010A
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	30	NLB-H030A



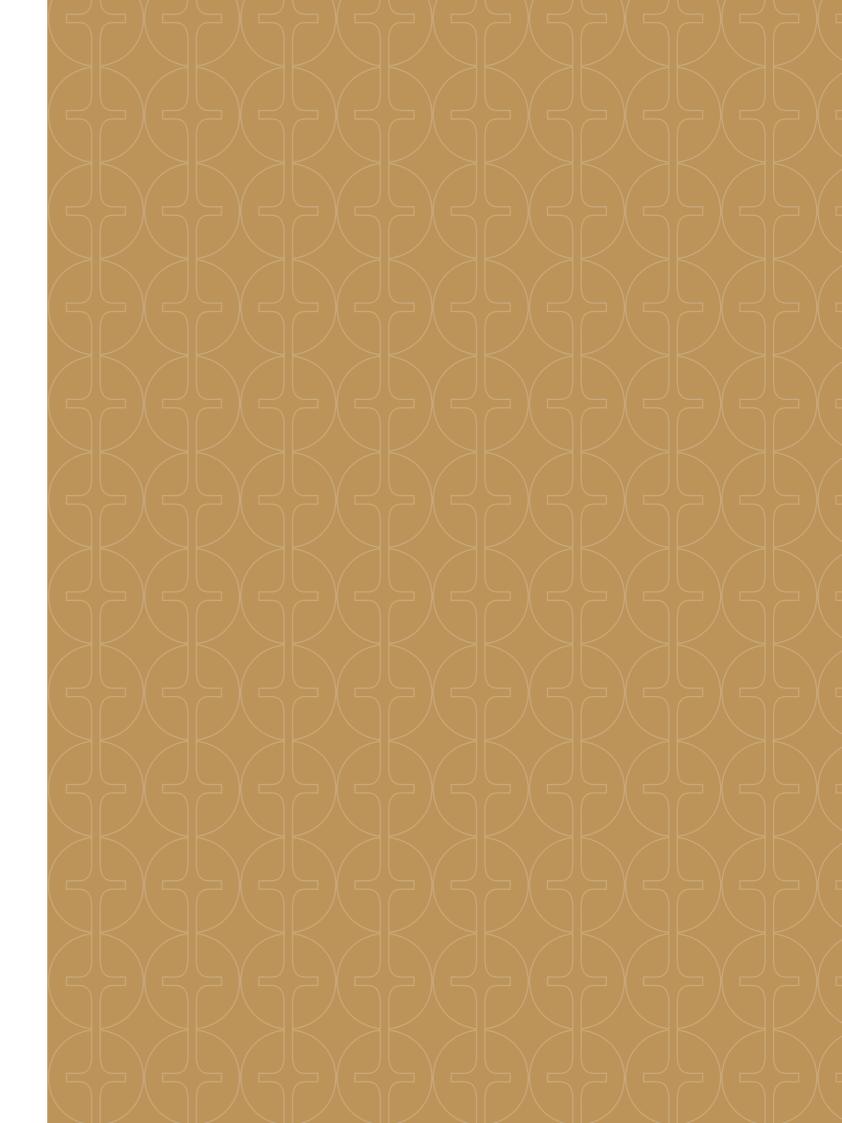
		Aesculap		Stryker Elite	Adeor
MM	10	NLB-Ae-H010A	NLB-Ae-H010B	NLB-S-H010A	NLB-Z-H010A
<u>_</u>	20	NLB-Ae-H020A	NLB-Ae-H020B	NLB-S-H020A	NLB-Z-H020A
	30	NLB-Ae-H030A	NLB-Ae-H030B	NLB-S-H030A	





Notes Notes

Notes





emd.hu

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