



109



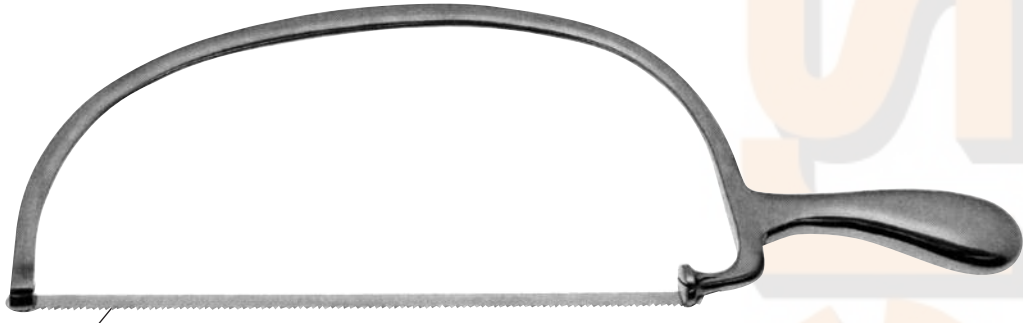
ORTOPEDİ
ORTHOPEDIC



MS 109-102 4 mm



MS 109-103 6 mm



MS 109-104 8 mm

BIER

MS 109-101 40,5 cm / 16"

Komple
complete



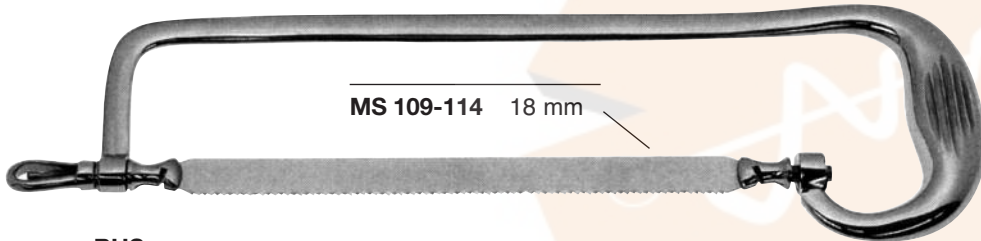
MS 109-113 12 mm



MS 109-112 8 mm



MS 109-111 6 mm



MS 109-114 18 mm

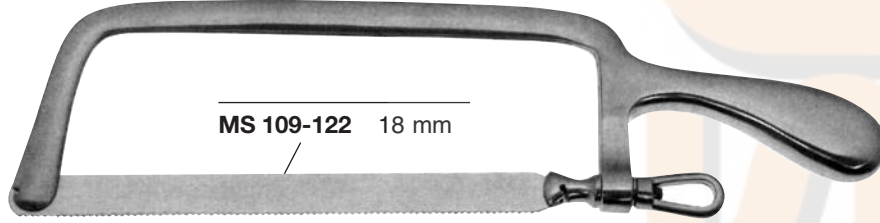
RUS

MS 109-110 39,0 cm / 15 1/2"

4 testere bıçağı ile komple (1 x MS 109-111, 1 x MS 109-112, 2 x MS 109-113)
complete with 4 Saw blades (1 x MS 109-111, 1 x MS 109-112, 2 x MS 109-113)



MS 109-121 12 mm



MS 109-122 18 mm

CHARRIÉRE

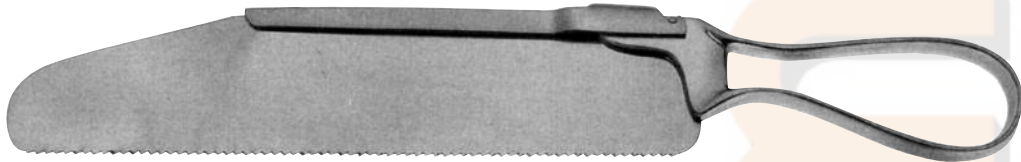
MS 109-120 35,0 cm / 13³/₄"

Komple
complete



LANGENBECK

MS 109-130 23,5 cm / 9¹/₄"



CHARRIÉRE

MS 109-135 27,0 cm / 10³/₄"

MS 109-136 30,0 cm / 11³/₄"

MS 109-137 15,0 cm / 6"

Yedek bıçak için MS 109-135
Spareblade for MS 109-035

MS 109-138 20,0 cm / 8"

Yedek bıçak için MS 109-136
Spareblade for MS 109-136

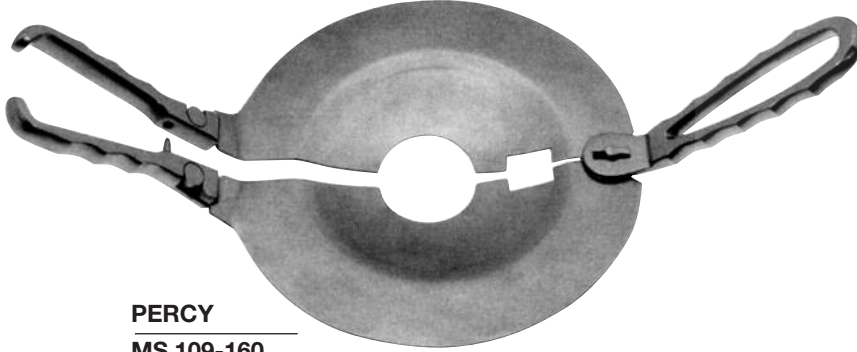


SATTERLEE

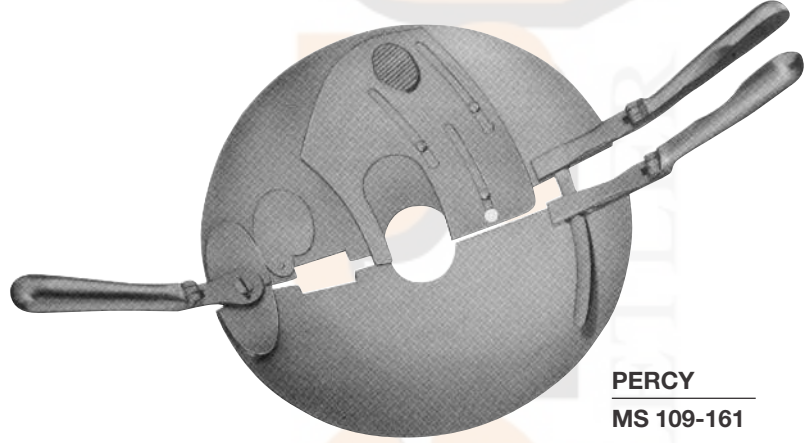
MS 109-150 29,0 cm / 11¹/₄"

MS 109-151 20,0 cm / 8"

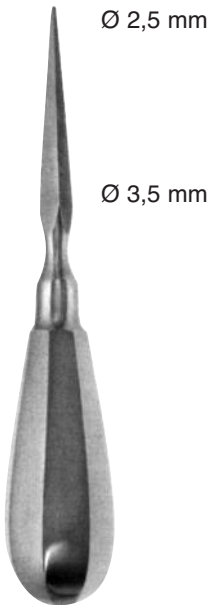
yedek Bıçak
Spareblade



PERCY
MS 109-160



PERCY
MS 109-161



Ø 2,5 mm

Ø 3,5 mm

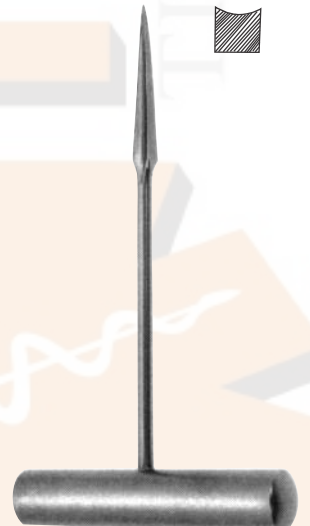
MS 109-165 14,0 cm / 5 1/2"
MS 109-166 16,0 cm / 6 1/4"



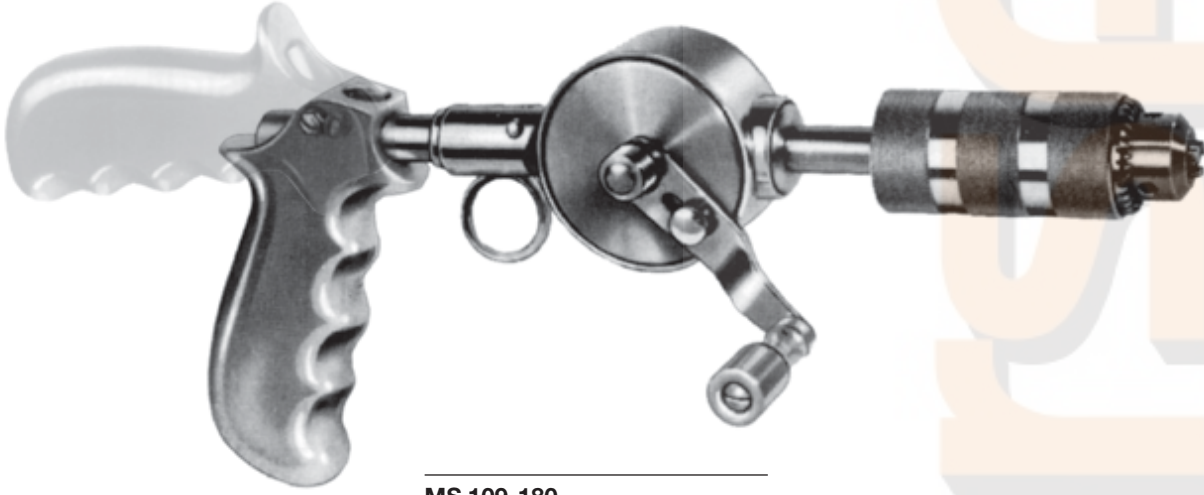
PERTHES
MS 109-170 18,0 cm / 7"



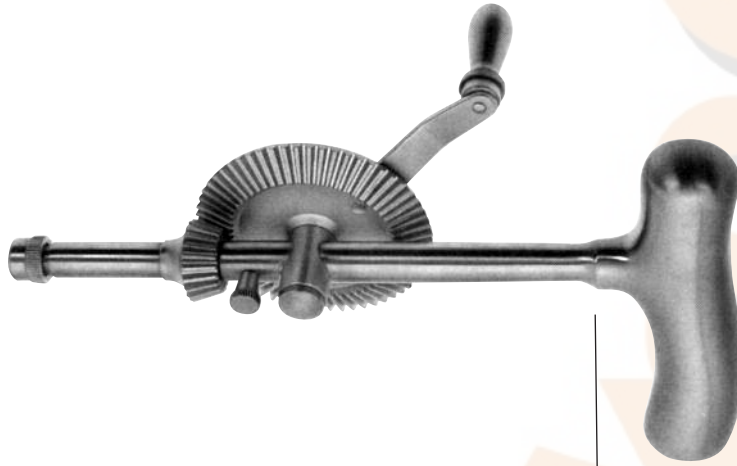
PERTHES
MS 109-171 21,5 cm / 8 1/2"



MS 109-175 14,0 cm / 5 1/2"



MS 109-180



STILLE

MS 109-185

Komple set 4 matkap, 4 daire matkap, 1 trefin
complete with 4 drills, 4 burrs, 1 trephine

MS 109-190

Sadece elle kemik matkabı
Hand Bone Drill, only

**MS 109-191** Ø 1,0 mm**MS 109-192** Ø 1,5 mm**MS 109-193** Ø 2,0 mm**MS 109-194** Ø 2,5 mm**MS 109-195** Ø 3,0 mm**MS 109-196** Ø 3,5 mm**MS 109-197** Ø 4,0 mm**MS 109-198** Ø 10,0 mm**MS 109-199** Ø 5,0 mm**MS 109-200** Ø 8,0 mm**MS 109-201** Ø 12,0 mm**MS 109-202** Ø 16,0 mm



HUDSON

MS 109-210

komple set 4 daire matkap ile
complete with extension piece and 4 burrs

HUDSON

MS 109-211

Sadece el matkabı
Hand Bone Drill with quick lock, only



MS 109-212



MS 109-213 Ø 9,0 mm



MS 109-214 Ø 14,0 mm



MS 109-215 Ø 16,0 mm



MS 109-216 Ø 22,0 mm



CUSHING

MS 109-217 Ø 13,0 mm



ADSON

MS 109-218 Ø 2,4 mm



MC KENZIE

MS 109-219 Ø 13,0 mm



D'ERRICO

MS 109-220 Ø 16,0 mm



MS 109-230 14,0 cm



MS 109-232



MS 109-234 16,0 cm / 6 1/4"



MS 109-231 10,0 cm



MS 109-233 15,0 cm



MS 109-235 16,0 cm



MS 109-236



MS 109-237



BUNNELL
MS 109-250



RALK
MS 109-251



LOWMAN

MS 109-260	12,0 cm / 4 ³ / ₄ "	a = 19,0 mm
MS 109-261	18,0 cm / 7"	a = 25,0 mm
MS 109-262	20,0 cm / 8"	a = 29,0 mm



LOWMAN

MS 109-270	12,0 cm / 4 ³ / ₄ "	a = 19,0 mm
MS 109-271	18,0 cm / 7"	a = 25,0 mm
MS 109-272	20,0 cm / 8"	a = 29,0 mm
MS 109-273	22,0 cm / 8 ³ / ₄ "	a = 31,0 mm



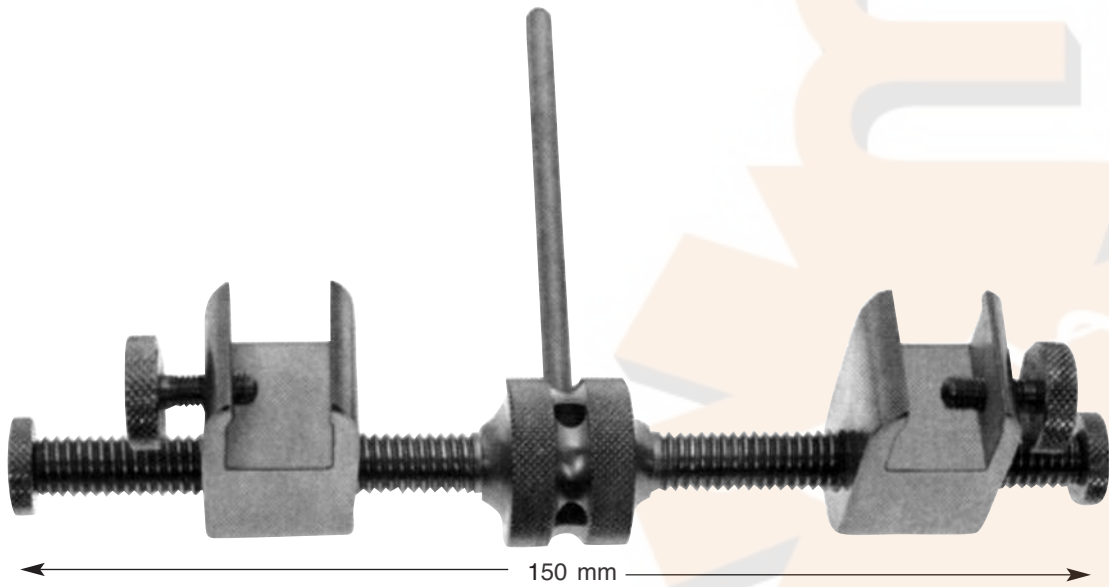
LOWMAN-LAMBER

MS 109-280 21,0 cm // 8¹/₄"



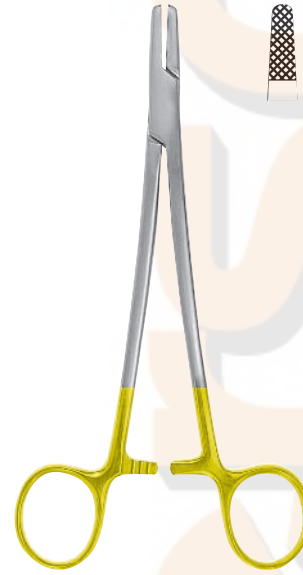
LOWMAN-HOGLUND

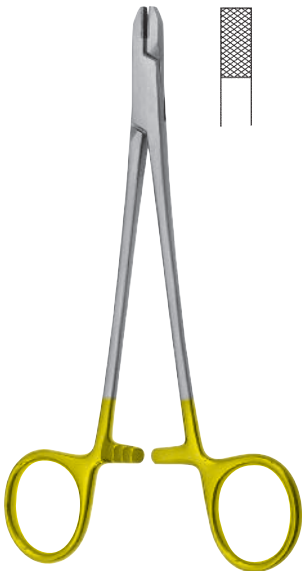
MS 109-281 18,0 cm // 7"

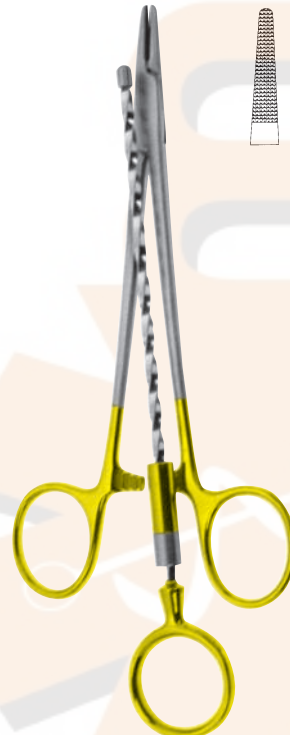


GERSTER

MS 109-290

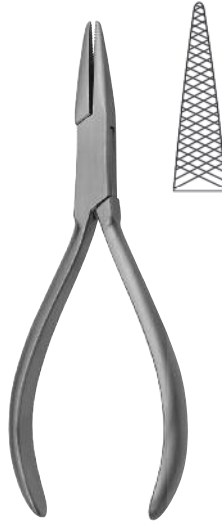

BARRY-STERNDAL
MS 109-300 18,5 cm / 7¹/₄"

MS 109-301 15,0 cm / 6"

MS 109-302 20,0 cm / 8"

MS 109-303 15,0 cm / 6"

MS 109-304 20,0 cm / 8"

CROWIN-HEGAR
MS 109-305 16,0 cm / 6¹/₄"



MS 109-320 14,0 cm / 5 1/4"

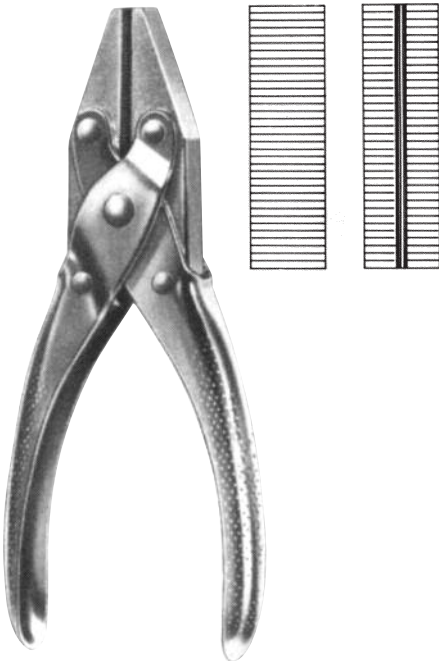


MS 109-321 14,0 cm / 5 1/4"



HACKSTOCK

MS 109-322 16,0 cm / 6 1/4"



MS 109-323 18,0 cm / 7"



MS 109-324 18,0 cm / 7"



MS 109-325 17,0 cm / 6³/₄"



MS 109-336 17,0 cm / 6³/₄"



MS 109-327 19,0 cm / 7¹/₂"



MS 109-328 15,0 cm / 6"



MS 109-329 14,5 cm / 5³/₄"



Fig. 1
MS 109-340
18,0 cm / 7"



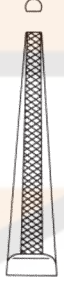
Fig. 2
MS 109-341
18,0 cm / 7"



Fig. 3
MS 109-342
18,0 cm / 7"



MS 109-350 18,0 cm / 7"



TC



Fig. 1
MS 109-351
18,0 cm / 7"



Fig. 2
MS 109-352
18,0 cm / 7"



Fig. 3
MS 109-353
18,0 cm / 7"



yumuşak teller için 2,4 mm Ø'e kadar
for soft wires up to 2,4 mm Ø

sert teller için 1,6 mm Ø'e kadar
for hard wires up to 1,6 mm Ø

MS 109-360 18,5 cm / 7 1/4"



yumuşak teller için 2,4 mm Ø'e kadar
for soft wires up to 2,2 mm Ø

sert teller için 2,0 mm Ø'e kadar
for hard wires up to 2,0 mm Ø

FRIMED-DIAMAN

MS 109-361 16,0 cm / 6 1/4"

TC



yumuşak teller için 0,6 mm Ø'e kadar
for soft wires up to 0,6 mm Ø

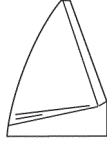
sert teller için 0,4 mm Ø'e kadar
for hard wires up to 0,4 mm Ø

MS 109-362 12,5 cm / 5"



MS 109-363 47,0 cm / 18 1/4"

Ø 6 mm'e kadar tel, vida ve işaretçilerini kesme için
Cutters for cutting of wires, screws and pins up to diam, 6 mm



yumuşak teller için 2,0 mm Ø'e kadar
for soft wires up to 2,0 mm Ø

sert teller için 1,7 mm Ø'e kadar
for hard wires up to 1,7 mm Ø

MS 109-364 18,5 cm / 7 1/4"

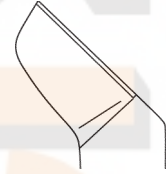


MS 109-365

17,5 cm / 7"

yumuşak teller için 2,0 mm Ø'e kadar
for soft wires up to 2,0 mm Ø

sert teller için 1,7 mm Ø'e kadar
for hard wires up to 1,7 mm Ø



MS 109-366

22,0 cm / 8 3/4"

yumuşak teller için 2,8 mm Ø'e kadar
for soft wires up to 2,8 mm Ø

sert teller için 2,2 mm Ø'e kadar
for hard wires up to 2,2 mm Ø



yumuşak teller için 2,0 mm Ø'e kadar
for soft wires up to 2,0 mm Ø

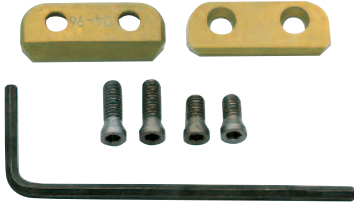
sert teller için 1,7 mm Ø'e kadar
for hard wires up to 1,7 mm Ø

MS 109-367 18,0 cm / 7"



sert teller için 2,2 mm Ø'e kadar
for hard wires up to 2,2 mm Ø

MS 109-380 18,0 cm / 7"



MS 109-390 için/for MS 109-380
MS 109-391 için/for MS 109-381 ve MS 109-382



MS 109-392 için/for MS 109-380, MS 109-381 ve MS 109-382

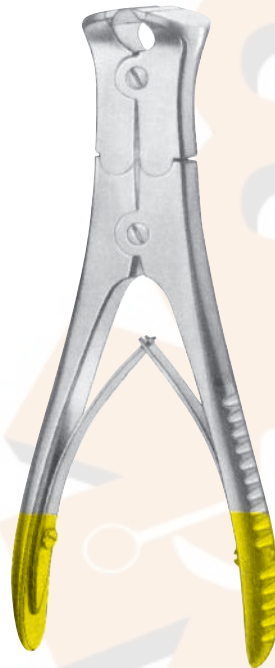


MS 109-381
23,0 cm / 9"

sert teller için 3,0 mm Ø'e kadar
for hard wires up to 3,0 mm Ø

MS 109-382
28,0 cm / 11"

sert teller için 2,5 - 4,0 mm Ø'e kadar
for hard wires up to 2,5 - 4,0 mm Ø



yumuşak teller için 3,0 mm Ø'e kadar
for soft wires up to 3,0 mm Ø

sert teller için 2,0 mm Ø
for hard wires up to 2,0 mm Ø

MS 109-400 22,0 cm / 8³/₄"

Kemik telleri, yumuşak, 10 m sargı halinde
Bone wires, soft, in coils of 10 m



MS 109-410	Ø 0,2 mm
MS 109-411	Ø 0,3 mm
MS 109-412	Ø 0,4 mm
MS 109-413	Ø 0,5 mm
MS 109-414	Ø 0,6 mm
MS 109-415	Ø 0,7 mm
MS 109-416	Ø 0,8 mm
MS 109-417	Ø 0,9 mm
MS 109-418	Ø 1,0 mm
MS 109-419	Ø 1,2 mm
MS 109-420	Ø 1,5 mm



LOUË

MS 109-430 21,0 cm / 8¹/₄"



DEMEL

MS 109-431 27,0 cm / 10³/₄"



DEMEL

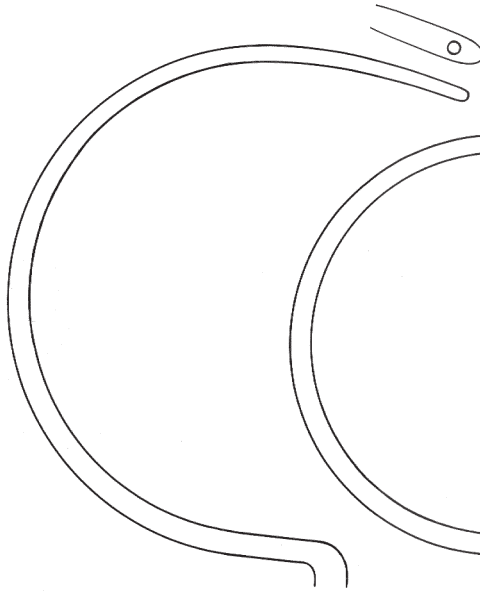


Fig.1
MS 109-435
31,0 cm / 12¹/₄"

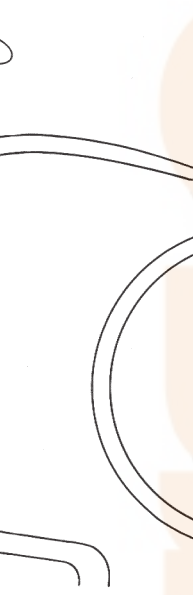


Fig.2
MS 109-436
29,0 cm / 11¹/₄"

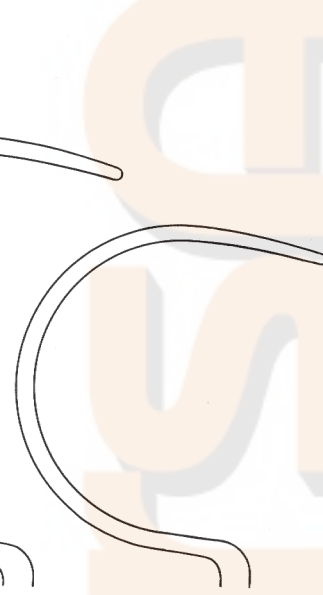


Fig.3
MS 109-437
28,0 cm / 11"

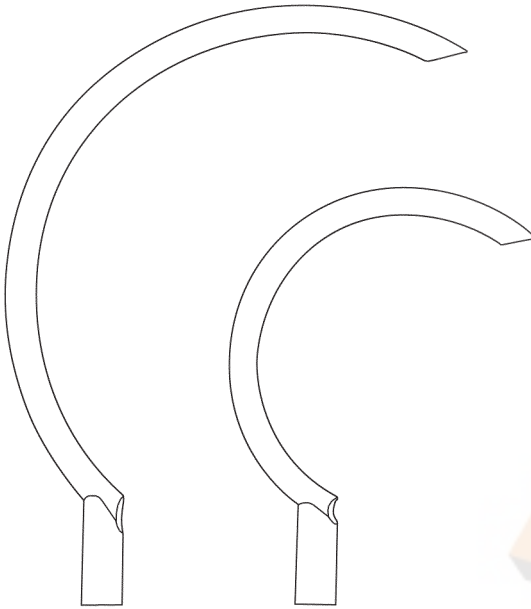


Fig.1
MS 109-440
27,0 cm / 10³/₄"

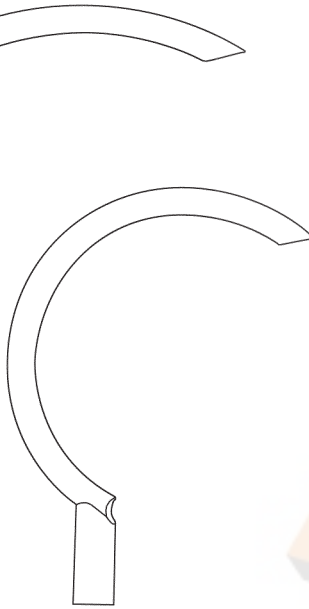
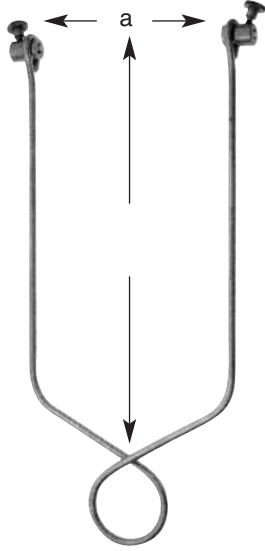


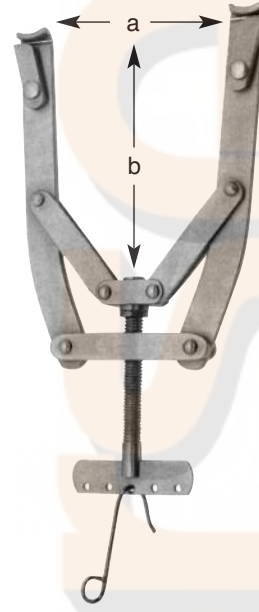
Fig.2
MS 109-441
24 0 cm / 9¹/₂"



MS 109-442 22,5 cm / 9"



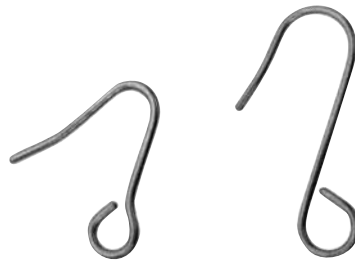
BÖHLER	a	b	
MS 109-450	90 mm	160 mm	kolu için / for arm
MS 109-451	110 mm	210 mm	femur ve diz için / for femur and knee
MS 109-452	150 mm	210 mm	femur ve diz için / for femur and knee



KIRSCHNER	a	b	
MS 109-460	0-105 mm	80-95 mm	
MS 109-461	0-160 mm	90-120 mm	
MS 109-462	0-200 mm	140-170 mm	



	a	b
MS 109-470	40-130 mm	100 mm
MS 109-471	80-260 mm	150 mm



MS 109-475

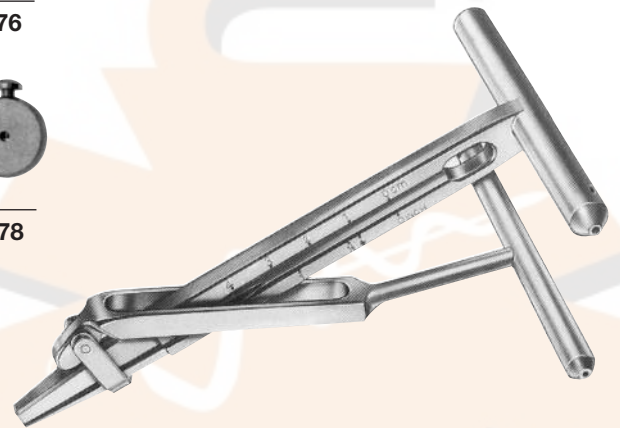
MS 109-476



MS 109-477



MS 109-478

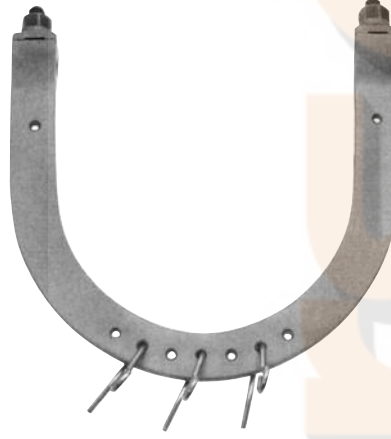


VICKERS-EASYDRIVER

MS 109-490 14,0 cm / 5 1/2"


STEINMANN

MS 109-500	Ø 4,0 x 80 mm
MS 109-501	Ø 4,0 x 100 mm
MS 109-502	Ø 4,0 x 120 mm
MS 109-503	Ø 4,0 x 140 mm
MS 109-504	Ø 4,0 x 150 mm
MS 109-505	Ø 4,0 x 160 mm
MS 109-506	Ø 4,0 x 180 mm
MS 109-507	Ø 4,0 x 200 mm
MS 109-508	Ø 4,0 x 210 mm
MS 109-509	Ø 4,0 x 250 mm


KIRSCHNER

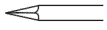
	a	b	
MS 109-520	95 mm	70 mm	kol ve dirsek için / for arm and ellbow
MS 109-521	95 mm	110 mm	topuk kemiği için / for clacaneus
MS 109-522	105 mm	100 mm	diz için / for knee
MS 109-523	120 mm	120 mm	diz için / for knee
MS 109-524	135 mm	130 mm	diz için / for knee
MS 109-525	155 mm	155 mm	femur için / for femur
MS 109-526	200 mm	155 mm	kalça için / for hip


MS 109-530


10'lu paketler halinde
in packages of 10 pieces

KIRSCHNER

6,0 cm / 2 1/2"	10,0 cm / 4"	12,0 cm / 4 3/4"	14,0 cm / 4 3/4"	16,0 cm / 6 1/4"	28,0 cm / 9 1/4"	31,0 cm / 12 1/4"	
MS 109-540	MS 109-560	MS 109-580	MS 109-600	MS 109-620	MS 109-640	MS 109-660	Ø 0,5 mm
MS 109-541	MS 109-561	MS 109-581	MS 109-601	MS 109-621	MS 109-641	MS 109-661	Ø 0,8 mm
MS 109-542	MS 109-562	MS 109-582	MS 109-602	MS 109-622	MS 109-642	MS 109-662	Ø 1,0 mm
MS 109-543	MS 109-563	MS 109-583	MS 109-603	MS 109-623	MS 109-643	MS 109-663	Ø 1,2 mm
MS 109-544	MS 109-564	MS 109-584	MS 109-604	MS 109-624	MS 109-644	MS 109-664	Ø 1,5 mm
MS 109-545	MS 109-565	MS 109-585	MS 109-605	MS 109-625	MS 109-645	MS 109-665	Ø 1,8 mm
MS 109-546	MS 109-566	MS 109-586	MS 109-606	MS 109-626	MS 109-646	MS 109-666	Ø 2,0 mm
MS 109-547	MS 109-567	MS 109-587	MS 109-607	MS 109-627	MS 109-647	MS 109-667	Ø 2,2 mm
MS 109-548	MS 109-568	MS 109-588	MS 109-608	MS 109-628	MS 109-648	MS 109-668	Ø 2,5 mm
MS 109-549	MS 109-569	MS 109-589	MS 109-609	MS 109-629	MS 109-649	MS 109-669	Ø 3,0 mm



10'lu paketler halinde
in packages of 10 pieces

KIRSCHNER

6,0 cm / 2 1/2"	10,0 cm / 4"	12,0 cm / 4 3/4"	14,0 cm / 4 3/4"	16,0 cm / 6 1/4"	28,0 cm / 9 1/4"	31,0 cm / 12 1/4"	
MS 109-680	MS 109-700	MS 109-720	MS 109-740	MS 109-760	MS 109-780	MS 109-800	Ø 0,5 mm
MS 109-681	MS 109-701	MS 109-721	MS 109-741	MS 109-761	MS 109-781	MS 109-801	Ø 0,8 mm
MS 109-682	MS 109-702	MS 109-722	MS 109-742	MS 109-762	MS 109-782	MS 109-802	Ø 1,0 mm
MS 109-683	MS 109-703	MS 109-723	MS 109-743	MS 109-763	MS 109-783	MS 109-803	Ø 1,2 mm
MS 109-684	MS 109-704	MS 109-724	MS 109-744	MS 109-764	MS 109-784	MS 109-804	Ø 1,5 mm
MS 109-685	MS 109-705	MS 109-725	MS 109-745	MS 109-765	MS 109-785	MS 109-805	Ø 1,8 mm
MS 109-686	MS 109-706	MS 109-726	MS 109-746	MS 109-766	MS 109-786	MS 109-806	Ø 2,0 mm
MS 109-687	MS 109-707	MS 109-727	MS 109-747	MS 109-767	MS 109-787	MS 109-807	Ø 2,2 mm
MS 109-688	MS 109-708	MS 109-728	MS 109-748	MS 109-768	MS 109-788	MS 109-808	Ø 2,5 mm
MS 109-689	MS 109-709	MS 109-729	MS 109-749	MS 109-769	MS 109-789	MS 109-809	Ø 3,0 mm



KIRSCHNER

6,0 cm / 2 1/2"	10,0 cm / 4"	12,0 cm / 4 3/4"	14,0 cm / 4 3/4"	16,0 cm / 6 1/4"	31,0 cm / 12 1/4"	
MS 109-820	MS 109-840	MS 109-860	MS 109-880	MS 109-900	MS 109-920	Ø 0,5 mm
MS 109-821	MS 109-841	MS 109-861	MS 109-881	MS 109-901	MS 109-921	Ø 0,8 mm
MS 109-822	MS 109-842	MS 109-862	MS 109-882	MS 109-902	MS 109-922	Ø 1,0 mm
MS 109-823	MS 109-843	MS 109-863	MS 109-883	MS 109-903	MS 109-923	Ø 1,2 mm
MS 109-824	MS 109-844	MS 109-864	MS 109-884	MS 109-904	MS 109-924	Ø 1,5 mm
MS 109-825	MS 109-845	MS 109-865	MS 109-885	MS 109-905	MS 109-925	Ø 1,8 mm
MS 109-826	MS 109-846	MS 109-866	MS 109-886	MS 109-906	MS 109-926	Ø 2,0 mm
MS 109-827	MS 109-847	MS 109-867	MS 109-887	MS 109-907	MS 109-927	Ø 2,2 mm
MS 109-828	MS 109-848	MS 109-868	MS 109-888	MS 109-908	MS 109-928	Ø 2,5 mm
MS 109-829	MS 109-849	MS 109-869	MS 109-889	MS 109-909	MS 109-929	Ø 3,0 mm



KIRSCHNER

MS 109-940	Ø 0,8 mm	10,0 cm / 4"
MS 109-941	Ø 1,0 mm	10,0 cm / 4"
MS 109-942	Ø 1,2 mm	10,0 cm / 4"
MS 109-943	Ø 1,5 mm	10,0 cm / 4"
MS 109-944	Ø 1,8 mm	10,0 cm / 4"
MS 109-945	Ø 2,0 mm	10,0 cm / 4"
MS 109-946	Ø 2,2 mm	10,0 cm / 4"
MS 109-947	Ø 2,5 mm	10,0 cm / 4"
MS 109-948	Ø 3,0 mm	10,0 cm / 4"



MS 109-960	8 mm	13,5 cm / 5 ³ / ₈ "
MS 109-961	10 mm	13,5 cm / 5 ³ / ₈ "
MS 109-962	12 mm	13,5 cm / 5 ³ / ₈ "
MS 109-963	14 mm	13,5 cm / 5 ³ / ₈ "
MS 109-964	16 mm	13,5 cm / 5 ³ / ₈ "



MS 109-980	8 mm	13,5 cm / 5 ³ / ₈ "
MS 109-981	10 mm	13,5 cm / 5 ³ / ₈ "
MS 109-982	12 mm	13,5 cm / 5 ³ / ₈ "
MS 109-983	14 mm	13,5 cm / 5 ³ / ₈ "
MS 109-984	16 mm	13,5 cm / 5 ³ / ₈ "



MS 109-1000	8 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1001	10 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1002	12 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1003	14 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1004	16 mm	13,5 cm / 5 ³ / ₈ "



PARTSCH

MS 109-1010	2 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1011	3 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1012	4 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1013	5 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1014	6 mm	13,5 cm / 5 ³ / ₈ "



PARTSCH

MS 109-1020	2 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1021	3 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1022	4 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1023	5 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1024	6 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1025	7 mm	17,0 cm / 6 ³ / ₄ "



PARTSCH

MS 109-1030	2 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1031	3 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1032	4 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1033	5 mm	13,5 cm / 5 ³ / ₈ "
MS 109-1034	6 mm	13,5 cm / 5 ³ / ₈ "



PARTSCH

MS 109-1040	2 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1041	3 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1042	4 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1043	5 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1044	6 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1045	7 mm	17,0 cm / 6 ³ / ₄ "



ALEXANDER

MS 109-1060	4 mm	18,0 cm / 7"
MS 109-1061	6 mm	18,0 cm / 7"
MS 109-1062	8 mm	18,0 cm / 7"
MS 109-1063	10 mm	18,0 cm / 7"
MS 109-1064	12 mm	18,0 cm / 7"
MS 109-1065	14 mm	18,0 cm / 7"



ALEXANDER

MS 109-1070	4 mm	18,0 cm /
MS 109-1071	6 mm	18,0 cm /
MS 109-1072	8 mm	18,0 cm /
MS 109-1073	10 mm	18,0 cm /
MS 109-1074	12 mm	18,0 cm /
MS 109-1075	14 mm	18,0 cm /



STILLE

MS 109-1090	10 mm	20,0 cm / 8"
MS 109-1091	15 mm	20,0 cm / 8"
MS 109-1092	20 mm	20,0 cm / 8"
MS 109-1093	25 mm	20,0 cm / 8"



STILLE

MS 109-1100	10 mm	20,0 cm / 8"
MS 109-1101	15 mm	20,0 cm / 8"
MS 109-1102	20 mm	20,0 cm / 8"
MS 109-1103	25 mm	20,0 cm / 8"



STILLE

MS 109-1110	10 mm	20,0 cm / 8"
MS 109-1111	15 mm	20,0 cm / 8"
MS 109-1112	20 mm	20,0 cm / 8"
MS 109-1113	25 mm	20,0 cm / 8"



MINI-LAMBOTTE

MS 109-1120	2 mm	12,5 cm / 5"
MS 109-1121	3 mm	12,5 cm / 5"
MS 109-1122	4 mm	12,5 cm / 5"
MS 109-1123	6 mm	12,5 cm / 5"
MS 109-1124	8 mm	12,5 cm / 5"
MS 109-1125	10 mm	12,5 cm / 5"
MS 109-1126	12 mm	12,5 cm / 5"
MS 109-1127	15 mm	12,5 cm / 5"



MINI-LAMBOTTE

MS 109-1140	3 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1141	4 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1142	6 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1143	8 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1144	10 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1145	12 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1146	15 mm	17,0 cm / 6 ³ / ₄ "



LAMBOTTE

MS 109-1150	4 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1151	6 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1152	8 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1153	10 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1154	12 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1155	15 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1156	20 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1157	25 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1158	30 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1159	38 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1160	44 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1161	50 mm	24,0 cm / 9 ¹ / ₂ "



LAMBOTTE

MS 109-1170	4 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1171	6 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1172	8 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1173	10 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1174	12 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1175	15 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1176	20 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1177	25 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1178	30 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1179	38 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1180	44 mm	24,0 cm / 9 ¹ / ₂ "
MS 109-1181	50 mm	24,0 cm / 9 ¹ / ₂ "


SMITH-PETERSON

MS 109-1190	6 mm	20,0 cm / 8"
MS 109-1191	9 mm	20,0 cm / 8"
MS 109-1192	13 mm	20,0 cm / 8"
MS 109-1193	16 mm	20,0 cm / 8"
MS 109-1194	19 mm	20,0 cm / 8"
MS 109-1195	25 mm	20,0 cm / 8"
MS 109-1196	32 mm	20,0 cm / 8"


SMITH-PETERSON

MS 109-1200	6 mm	20,0 cm / 8"
MS 109-1201	9 mm	20,0 cm / 8"
MS 109-1202	13 mm	20,0 cm / 8"
MS 109-1203	16 mm	20,0 cm / 8"
MS 109-1204	19 mm	20,0 cm / 8"
MS 109-1205	25 mm	20,0 cm / 8"
MS 109-1206	32 mm	20,0 cm / 8"


SMITH-PETERSON

MS 109-1210	9 mm	20,0 cm / 8"
MS 109-1211	14 mm	20,0 cm / 8"
MS 109-1212	19 mm	20,0 cm / 8"
MS 109-1213	25 mm	20,0 cm / 8"


SMITH-PETERSON

MS 109-1220	9 mm	20,0 cm / 8"
MS 109-1221	14 mm	20,0 cm / 8"
MS 109-1222	19 mm	20,0 cm / 8"
MS 109-1223	25 mm	20,0 cm / 8"



HOKE

MS 109-1230	3 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1231	5 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1232	6 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1233	8 mm	17,0 cm / 6 ³ / ₄ "
MS 109-1234	9 mm	17,0 cm / 6 ³ / ₄ "



HIBBS

MS 109-1235	6 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1236	13 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1237	19 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1238	25 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1239	32 mm	24,0 cm / 6 ³ / ₄ "


HIBBS

MS 109-1250	6 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1251	13 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1252	19 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1253	25 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1254	32 mm	24,0 cm / 6 ³ / ₄ "


HIBBS

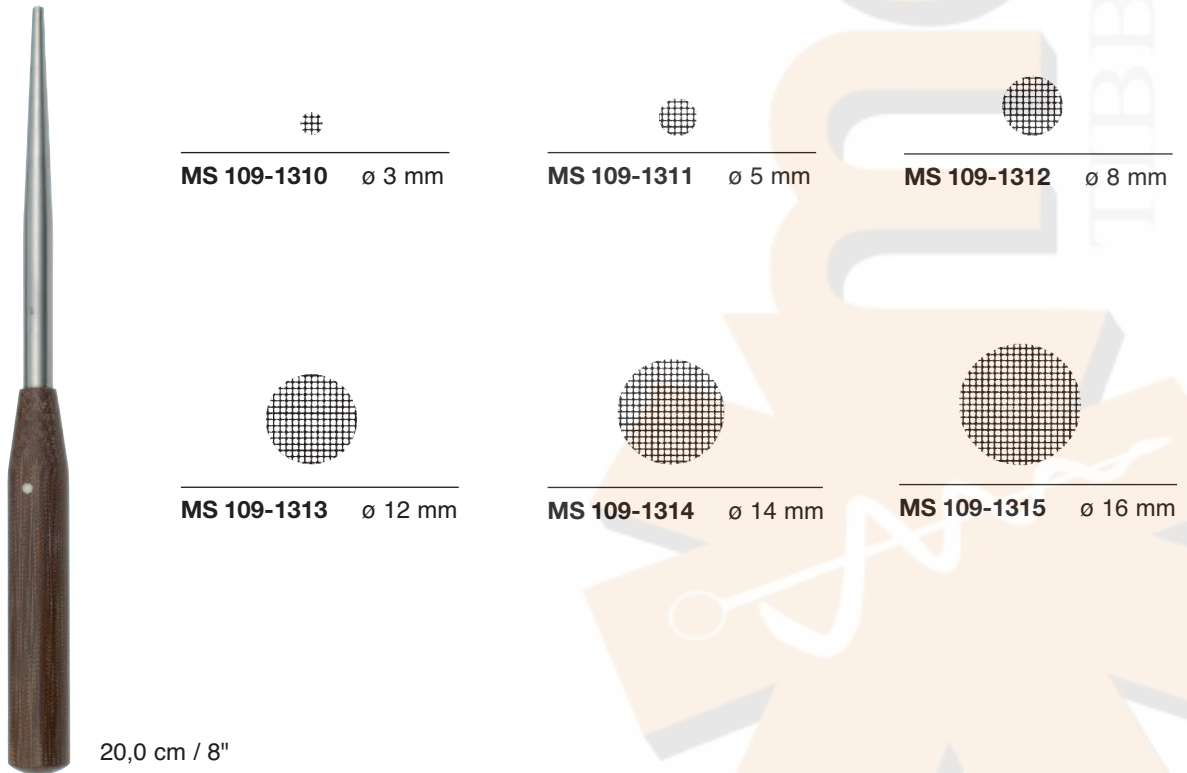
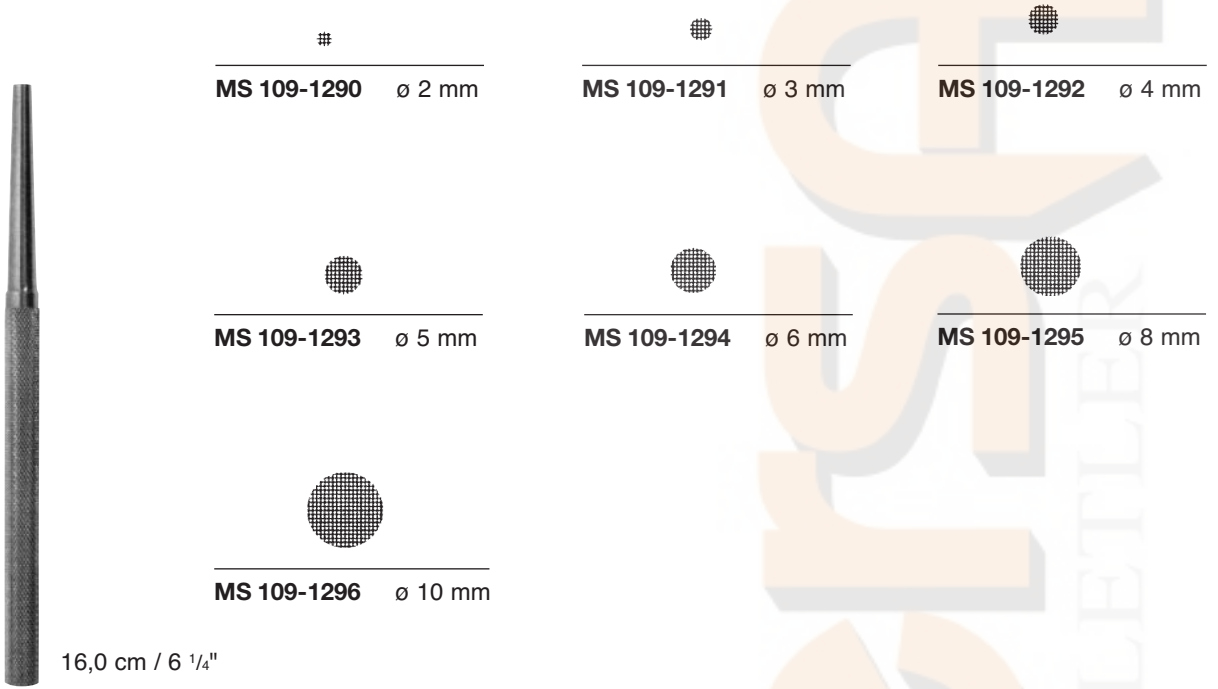
MS 109-1270	6 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1271	13 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1272	19 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1273	25 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1274	32 mm	24,0 cm / 6 ³ / ₄ "


HIBBS

MS 109-1260	6 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1261	13 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1262	19 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1263	25 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1264	32 mm	24,0 cm / 6 ³ / ₄ "

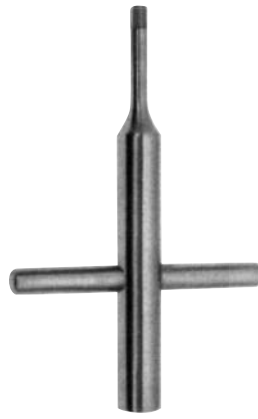

HIBBS

MS 109-1280	6 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1281	13 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1282	19 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1283	25 mm	24,0 cm / 6 ³ / ₄ "
MS 109-1284	32 mm	24,0 cm / 6 ³ / ₄ "

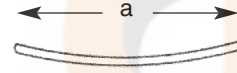




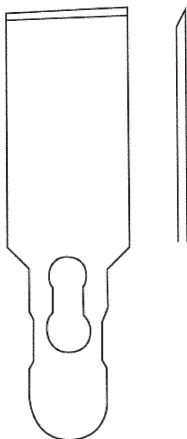
MS 109-1316 18,0 cm / 7"



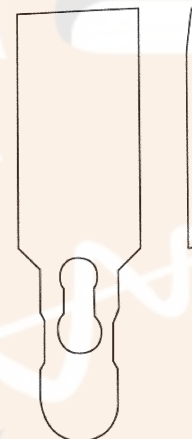
MS 109-1320



MS 109-1330 a = 50 mm
MS 109-1331 a = 60 mm
MS 109-1332 a = 70 mm



MS 109-1340 5,0 mm
MS 109-1341 10,0 mm
MS 109-1342 16,0 mm
MS 109-1343 25,0 mm



MS 109-1350 5,0 mm
MS 109-1351 10,0 mm
MS 109-1352 16,0 mm
MS 109-1353 25,0 mm



MINI-LEXER

MS 109-1360	4 mm	18,0 cm / 7"
MS 109-1361	6 mm	18,0 cm / 7"
MS 109-1362	8 mm	18,0 cm / 7"
MS 109-1363	10 mm	18,0 cm / 7"
MS 109-1364	12 mm	18,0 cm / 7"



MINI-LEXER

MS 109-1370	4 mm	18,0 cm / 7"
MS 109-1371	6 mm	18,0 cm / 7"
MS 109-1372	8 mm	18,0 cm / 7"
MS 109-1373	10 mm	18,0 cm / 7"
MS 109-1374	12 mm	18,0 cm / 7"



LEXER

MS 109-1380	5 mm	25,0 cm / 9 ³ / ₄ "
MS 109-1381	10 mm	25,0 cm / 9 ³ / ₄ "
MS 109-1382	15 mm	25,0 cm / 9 ³ / ₄ "



LEXER

MS 109-1390	5 mm	25,0 cm / 9 ³ / ₄ "
MS 109-1391	10 mm	25,0 cm / 9 ³ / ₄ "
MS 109-1392	15 mm	25,0 cm / 9 ³ / ₄ "


LEXER

MS 109-1400	5 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1401	7 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1402	10 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1403	15 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1404	20 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1405	25 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1406	30 mm	22,0 cm / 8 ³ / ₄ "


LEXER

MS 109-1420	5 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1421	7 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1422	10 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1423	15 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1424	20 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1425	25 mm	22,0 cm / 8 ³ / ₄ "
MS 109-1426	30 mm	22,0 cm / 8 ³ / ₄ "


LEXER

MS 109-1440	7 mm	28,5 cm / 11 ¹ / ₄ "
MS 109-1441	10 mm	28,5 cm / 11 ¹ / ₄ "


LEXER

MS 109-1450	10 mm	27,5 cm / 10 ³ / ₄ "
MS 109-1451	15 mm	27,5 cm / 10 ³ / ₄ "


LEXER

MS 109-1460	10 mm	27,5 cm / 10 ³ / ₄ "
MS 109-1461	15 mm	27,5 cm / 10 ³ / ₄ "


ZIELKE

MS 109-1470	5,5 mm	23,0 cm / 9"
MS 109-1471	9,0 mm	23,0 cm / 9"



MS 109-1480	10 mm	16,0 cm / 6 ¹ / ₄ "
MS 109-1481	15 mm	16,0 cm / 6 ¹ / ₄ "



MS 109-1482	10 mm	20,0 cm / 8"
MS 109-1483	15 mm	20,0 cm / 8"
MS 109-1484	20 mm	20,0 cm / 8"



MS 109-1490 10,0 mm 20,0 cm / 8"
MS 109-1491 15,0 mm 20,0 cm / 8"
MS 109-1492 20,0 mm 20,0 cm / 8"



MS 109-1501 16,0 mm 26,5 cm / 10½"



MS 109-1500 20,0 mm 24,5 cm / 9¾"



MS 109-1502 9,0 mm 22,0 cm / 8¾"



COBB

MS 109-1510 8,0 mm 27,5 cm / 10³/₄"



COBB

MS 109-1511 8,0 mm 27,0 cm / 10³/₄"



COBB

MS 109-1512 8,0 mm 27,0 cm / 10³/₄"


DAHMEN

MS 109-1520	4 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1521	5 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1522	6 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1523	8 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1524	10 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1525	12 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1526	15 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1527	20 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1528	22 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1529	25 mm	30,0 cm / 11 ³ / ₄ "


DAHMEN

MS 109-1540	4 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1541	5 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1542	6 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1543	8 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1544	10 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1545	12 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1546	15 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1547	20 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1548	22 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1549	25 mm	30,0 cm / 11 ³ / ₄ "


DAHMEN

MS 109-1560	4 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1561	5 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1562	6 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1563	8 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1564	10 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1565	12 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1566	15 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1567	20 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1568	22 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1569	25 mm	30,0 cm / 11 ³ / ₄ "


DAHMEN

MS 109-1580	4 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1581	5 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1582	6 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1583	8 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1584	10 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1585	12 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1586	15 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1587	20 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1588	22 mm	30,0 cm / 11 ³ / ₄ "
MS 109-1589	25 mm	30,0 cm / 11 ³ / ₄ "



WILLIGER

MS 109-1600	300 g	ø 26 mm	24,0 cm / 9½"
MS 109-1601	340 g	ø 28 mm	24,0 cm / 9½"
MS 109-1602	400 g	ø 30 mm	24,0 cm / 9½"



DOYEN

MS 109-1610	120 g	ø 25 mm	19,5 cm / 7¾"
MS 109-1611	180 g	ø 30 mm	19,5 cm / 7¾"
MS 109-1612	260 g	ø 35 mm	21,0 cm / 8¼"



COLLIN

MS 109-1620 220 g ø 30 mm 20,0 cm / 8"



LUCAE

MS 109-1621 230 g ø 19 mm 19,5 cm / 7³/₄"
MS 109-1622 260 g ø 25 mm 19,5 cm / 7³/₄"



COTTLE

MS 109-1630 350 g ø 30 mm 19,0 cm / 7½"



WILLIGER

MS 109-1631 140 g ø 20 mm 16,5 cm / 6½"



değiştirilebilir diskler
with interchangeable disks

MS 109-1633

MEAD

MS 109-1632 320 g ø 26 mm 19,0 cm / 7½"



PARTSCH

MS 109-1634 200 g ø 22 mm 19,0 cm / 7½"



HAJEK

MS 109-1635 200 g ø 27 mm 20,0 cm / 8"



GERZOG

MS 109-1636 270 g ø 25 mm 19,5 cm / 7 1/2"



KIRK

MS 109-1637 650 g ø 38 mm 21,0 cm / 8 1/4"



BERGMANN

MS 109-1638 490 g ø 45 mm 25,0 cm / 9 3/4"



BERGMANN

MS 109-1639 400 g ø 30 mm 24,5 cm / 9²/₃"



OMBREDANNE

MS 109-1640 700 g ø 40 mm 24,0 cm / 9¹/₂"



HEATH

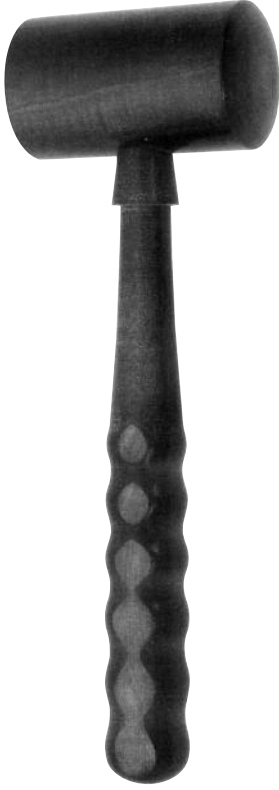
MS 109-1641 700 g ø 40 mm 18,5 cm / 7¹/₄"



değiştirilebilir diskler
with interchangeable disks

MS 109-1650

MS 109-1642 240 g ø 25 mm 18,5 cm / 7¹/₄"



KIRK

MS 109-1655	180 g	ø 35 mm	26,0 cm / 10 ¹ / ₄ "
MS 109-1656	250 g	ø 42 mm	26,0 cm / 10 ¹ / ₄ "
MS 109-1657	350 g	ø 50 mm	26,0 cm / 10 ¹ / ₄ "



MS 109-1670	340 g	ø 42 mm	26,0 cm / 10 ¹ / ₄ "
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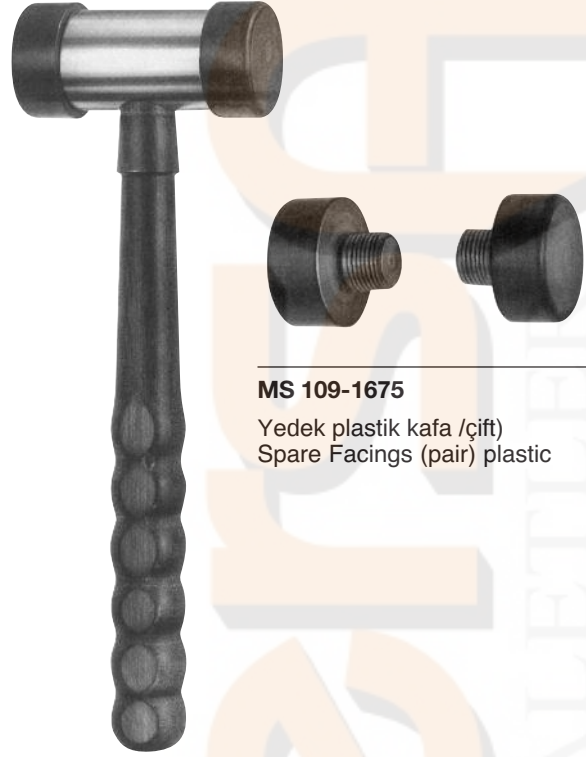
MS 109-1671	675 g	ø 30 mm	26,5 cm / 10 ¹ / ₂ "
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MS 109-1672	530 g	ø 42/30 mm	26,0 cm / 10 ¹ / ₄ "
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MS 109-1673 480 g ø 30 mm 24,0 cm / 9½"



MS 109-1675

Yedek plastik kafa /çift)
Spare Facings (pair) plastic

MS 109-1674 370 g ø 37 mm 24,0 cm / 9½"



MS 109-1676 450 g ø 30 mm 26,5 cm / 10½"



MS 109-1677 900 g ø 50 mm 26,5 cm / 10½"



VOLKMANN
17,5 cm / 7"



VOLKMANN
28,0 cm / 11"



Fig. 0000
MS 109-1690



Fig. 000
MS 109-1691



Fig. 00
MS 109-1692



Fig. 0
MS 109-1693



Fig. 1
MS 109-1694



Fig. 2
MS 109-1695



Fig. 3
MS 109-1696



Fig. 4
MS 109-1697



Fig. 5
MS 109-1698



Fig. 6
MS 109-1699



Fig. 0000
MS 109-1710



Fig. 000
MS 109-1711



Fig. 00
MS 109-1712



Fig. 0
MS 109-1713



Fig. 1
MS 109-1714



Fig. 2
MS 109-1715



Fig. 3
MS 109-1716



Fig. 4
MS 109-1717



Fig. 5
MS 109-1718



Fig. 6
MS 109-1719



SCHUDE
17,0 cm / 6³/₄"

Fig. 000
MS 109-1730

Fig. 1
MS 109-1733

Fig. 00
MS 109-1731

Fig. 2
MS 109-1734

Fig. 4
MS 109-1736

Fig. 0
MS 109-1732

Fig. 3
MS 109-1735



VOLKMANN
17,0 cm / 6³/₄"

Fig. 0000
MS 109-1750

Fig. 0
MS 109-1753

Fig. 3
MS 109-1756

Fig. 000
MS 109-1751

Fig. 1
MS 109-1754

Fig. 4
MS 109-1757

Fig. 6
MS 109-1759

Fig. 00
MS 109-1752

Fig. 2
MS 109-1755

Fig. 5
MS 109-1758



BRUNS
17,0 cm / 6³/₄"

Fig. 0000
MS 109-1770

Fig. 000
MS 109-1771

Fig. 00
MS 109-1772

Fig. 0
MS 109-1773

Fig. 1
MS 109-1774

Fig. 2
MS 109-1775

Fig. 3
MS 109-1776

Fig. 4
MS 109-1777

Fig. 5
MS 109-1778

Fig. 6
MS 109-1779



SPRATT
17,0 cm / 6³/₄"

Fig. 000
MS 109-1790

Fig. 00
MS 109-1791

Fig. 0
MS 109-1792

Fig. 1
MS 109-1793

Fig. 2
MS 109-1794

Fig. 3
MS 109-1795

Fig. 4
MS 109-1796

Fig. 5
MS 109-1797



BRUNS
23,0 cm / 9"



Fig. 000
MS 109-1810



Fig. 1
MS 109-1813



Fig. 4
MS 109-1816



Fig. 00
MS 109-1811



Fig. 2
MS 109-1814



Fig. 5
MS 109-1817



Fig. 0
MS 109-1812



Fig. 3
MS 109-1815



Fig. 6
MS 109-1818



SCOVILLE
MS 109-1830 25,0 cm / 9³/₄"



SCOVILLE
MS 109-1831 25,0 cm / 9³/₄"



SCOVILLE
MS 109-1832 25,0 cm / 9³/₄"



SIMON
25,0 cm / 9¾"

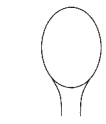


Fig. 1
MS 109-1840



Fig. 2
MS 109-1841



Fig. 3
MS 109-1842

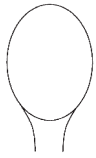


Fig. 4
MS 109-1843

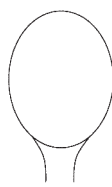


Fig. 5
MS 109-1844

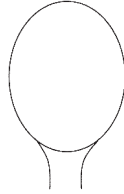


Fig. 6
MS 109-1845



MOD. USA
16,0 cm / 6¼"



Fig. 1
MS 109-1860



Fig. 2
MS 109-1861



Fig. 3
MS 109-1862



Fig. 4
MS 109-1863



Fig. 5
MS 109-1864



Fig. 6
MS 109-1865



MOD. USA
15,5 cm / 6"



Fig. 1
MS 109-1880



Fig. 2
MS 109-1881



Fig. 3
MS 109-1882



Fig. 4
MS 109-1883



Fig. 5
MS 109-1884



Fig. 6
MS 109-1885



MOD. USA
15,5 cm / 6"



Fig. 1
MS 109-1900



Fig. 2
MS 109-1901



Fig. 3
MS 109-1902



Fig. 4
MS 109-1903



Fig. 5
MS 109-1904



Fig. 6
MS 109-1905



Fig. 0
MS 109-1920

Fig. 00
MS 109-1921

Fig. 1
MS 109-1922

Fig. 2
MS 109-1923

WILLIGER
17,0 cm / 6³/₄"



Fig. 0
MS 109-1930

Fig. 00
MS 109-1931

Fig. 1
MS 109-1932

Fig. 2
MS 109-1933

WILLIGER
17,5 cm / 7"



Fig. 1
MS 109-1940

Fig. 2
MS 109-1941

Fig. 3
MS 109-1942

HALLE
21,0 cm / 8¹/₄"



VOLKMANN



MS 109-1950
13,0 cm / 5"



MS 109-1951
14,0 cm / 5½"



MS 109-1952
17,0 cm / 6¾"



VOLKMANN



MS 109-1960
13,0 cm / 5"



MS 109-1961
16,0 cm / 6¼"



MS 109-1962
20,0 cm / 8"



MS 109-1970 21,0 cm / 8¼"



Fig. 00/0
MS 109-1975

Fig. 0/1
MS 109-1976

Fig. 1/2
MS 109-1977

WILLIGER
13,5 cm / 5 1/4"



Fig. 00/00
MS 109-1990

Fig. 0/1
MS 109-1991

Fig. 1/2
MS 109-1992

WILLIGER
16,0 cm / 6 1/4"



Fig. 00/0
MS 109-2000

Fig. 0/1
MS 109-2001

Fig. 1/2
MS 109-2002

MARTINI
13,5 cm / 5 1/4"

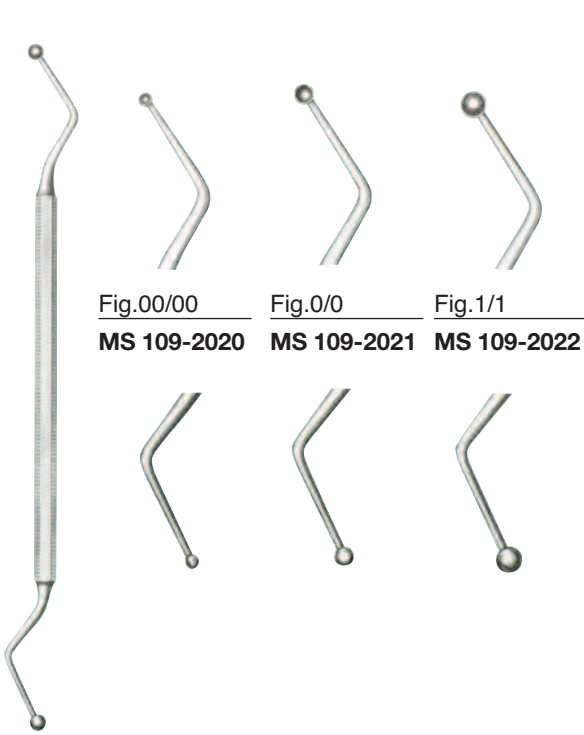


Fig. 1 R/L
MS 109-2010

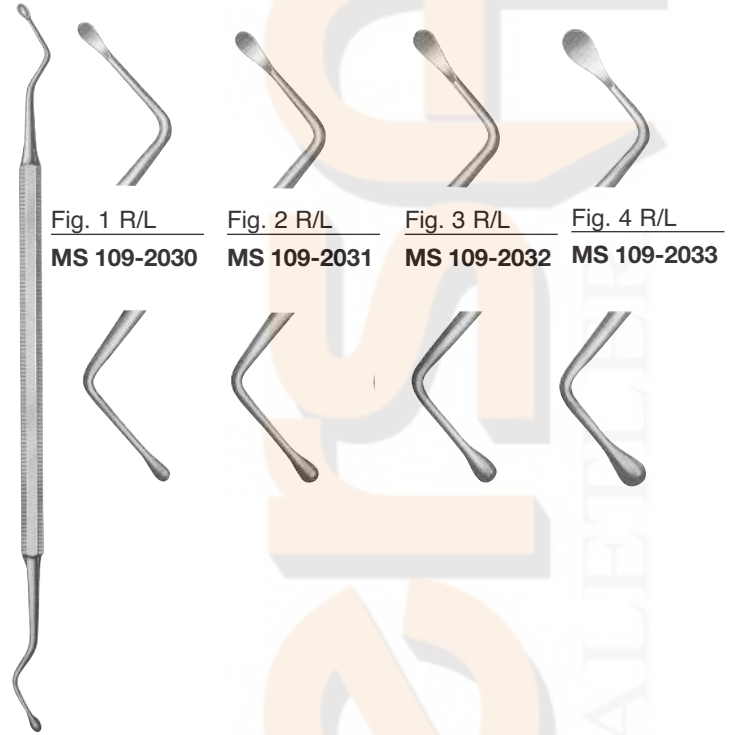
Fig. 2 R/L
MS 109-2011

Fig. 3 R/L
MS 109-2012

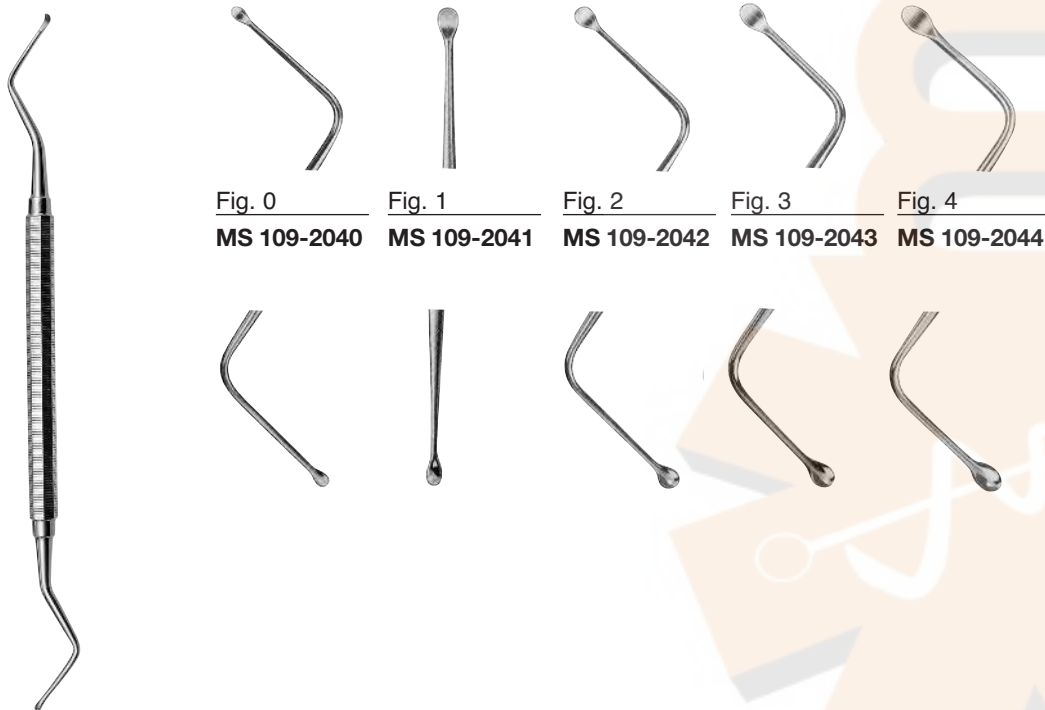
HEMMINGWAY
18,0 cm / 7"



HEMMINGWAY
18,0 cm / 7"



HEMMINGWAY
18,0 cm / 7"



MILLER-COLBURN
17,0 cm / 6³/₄"



MS 109-2060 20,0 cm / 8"



MS 109-2061 19,0 cm / 7½"



MS 109-2062 20,0 cm / 8"



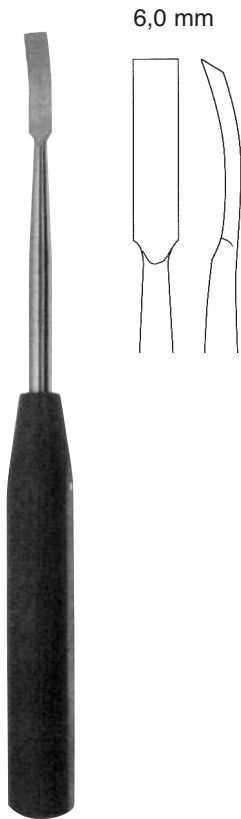
MS 109-2063 19,0 cm / 7½"



MS 109-2064 18,0 cm / 7"



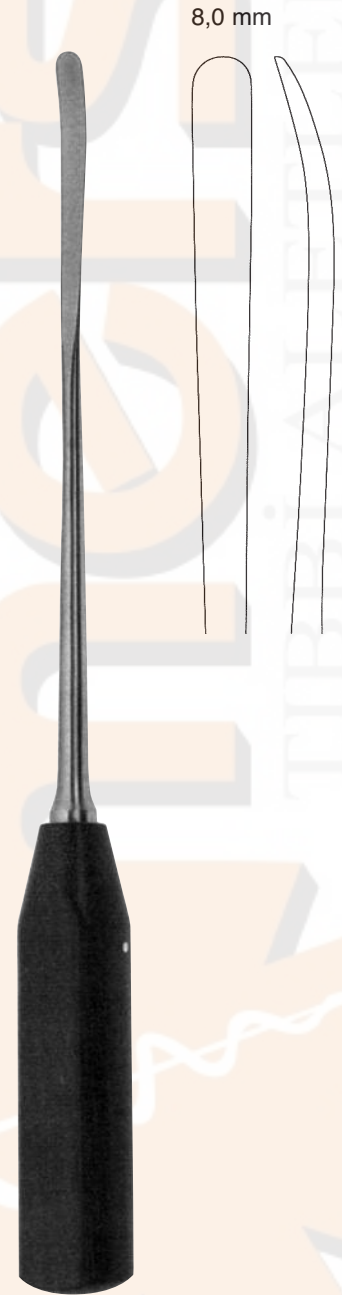
MS 109-2065 18,0 cm / 7"



MS 109-2066 18,0 cm / 7"



MS 109-2067 18,0 cm / 7"



WAGNER

MS 109-2068 33,0 cm / 13"



WAGNER

MS 109-2069 33,0 cm / 13"



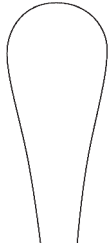
MS 109-2070 27,5 cm / 10³/₄"



MS 109-2080 10,0 mm



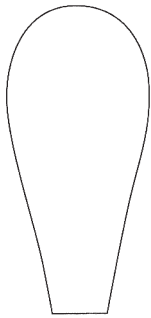
MS 109-2090 10,0 mm



MS 109-2081 13,0 mm



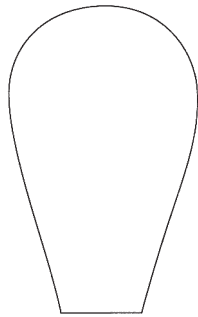
MS 109-2091 13,0 mm



MS 109-2082 19,0 mm



MS 109-2092 19,0 mm



MS 109-2083 25,0 mm



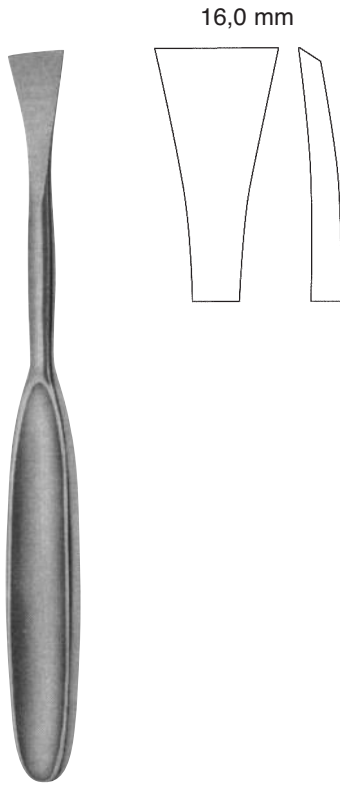
MS 109-2093 25,0 mm



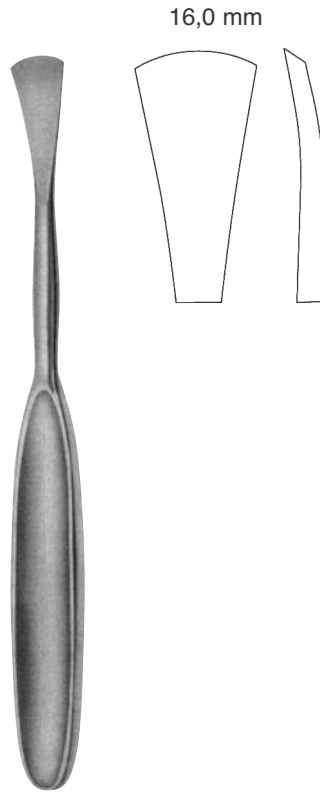
COBB
25,0 cm / 10"



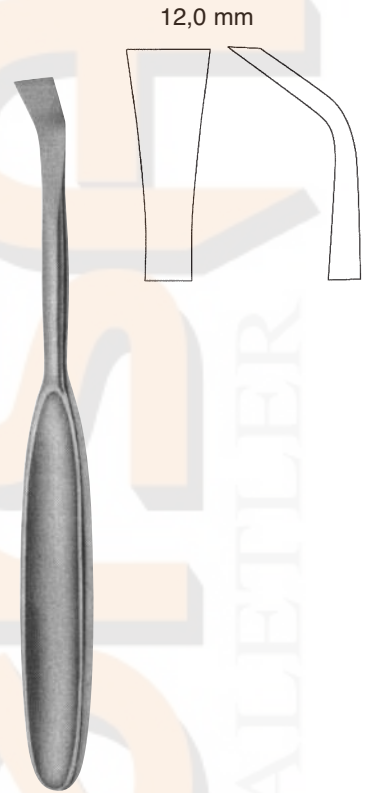
COBB
28,0 cm / 11"



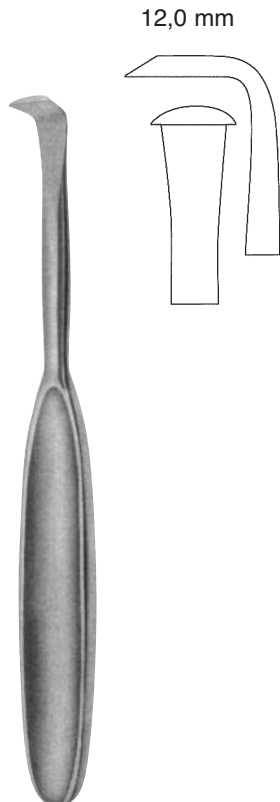
LANGENBECK
MS 109-2100 19,0 cm / 7½"



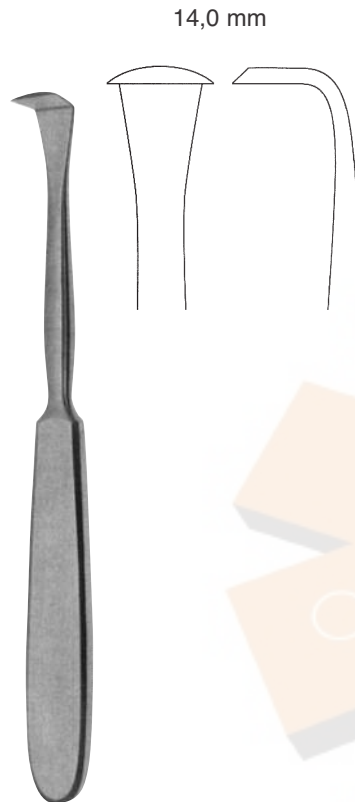
LANGENBECK
MS 109-2101 19,0 cm / 7½"



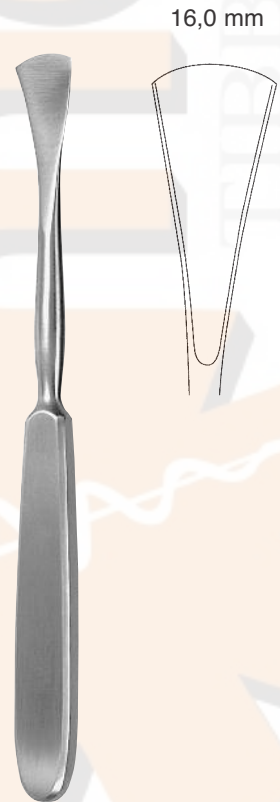
LANGENBECK
MS 109-2102 18,5 cm / 7¼"



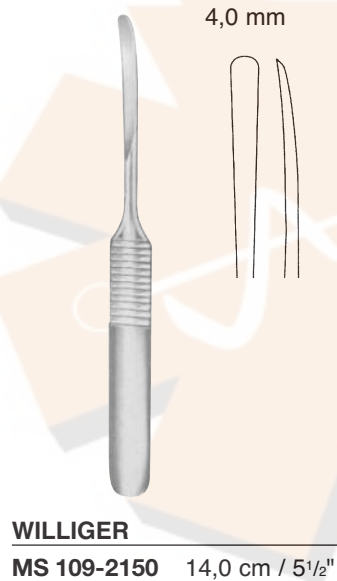
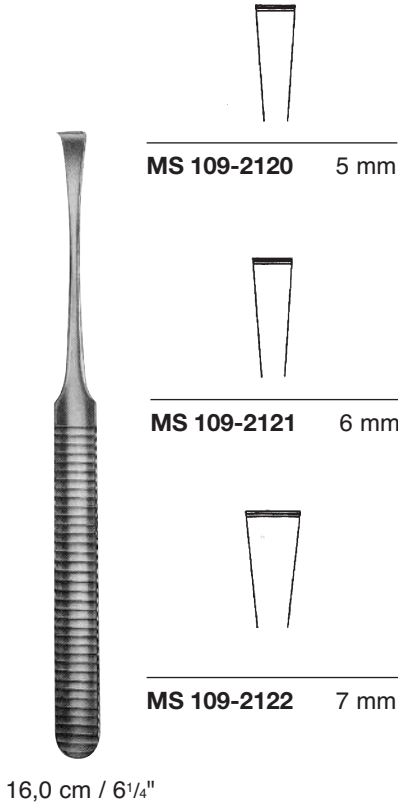
LANGENBECK
MS 109-2103 18,0 cm / 7"

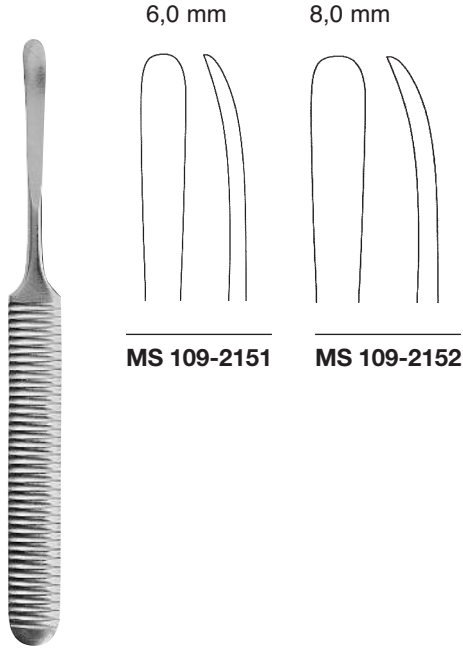


LANGENBECK
MS 109-2104 18,0 cm / 7"

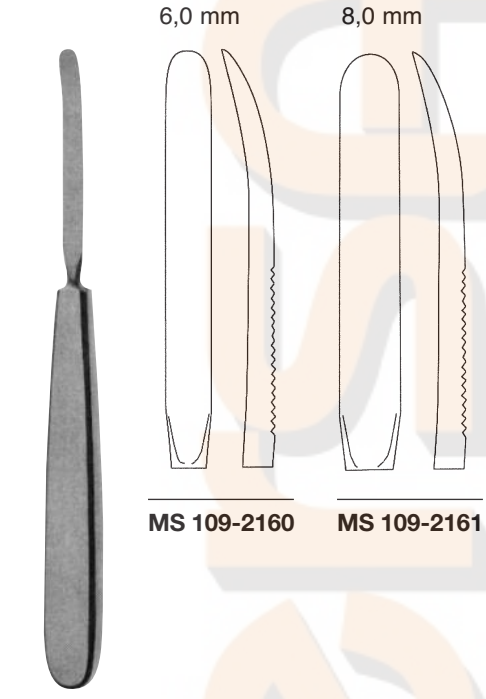


LANGENBECK
MS 109-2105 19,0 cm / 7½"

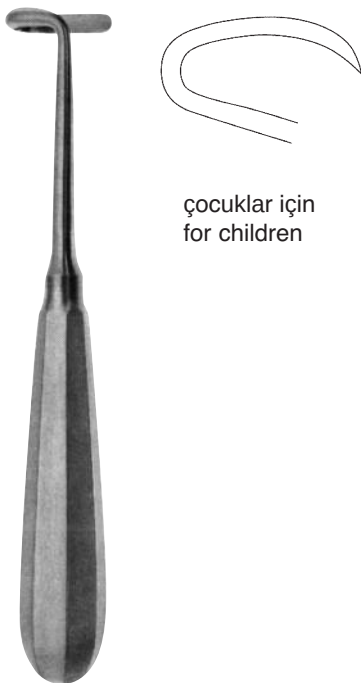




WILLIGER
16,0 cm / 6¼"



17,0 cm / 6¾"



DOYEN
MS 109-2170 17,0 cm / 6¾"



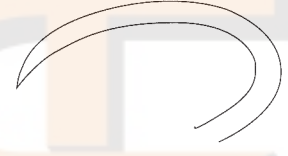
DOYEN
MS 109-2171 17,0 cm / 6¾"



yetişkinler için
for adults

DOYEN

MS 109-2180 17,0 cm / 6³/₄"



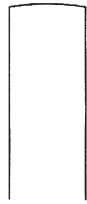
yetişkinler için
for adults

DOYEN

MS 109-2181 17,0 cm / 6³/₄"

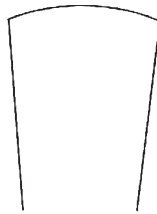


10,0 mm



MS 109-2190

20,0 mm



MS 109-2192

15,0 mm



MS 109-2191

25,0 mm



MS 109-2193

LAMBOTTE

21,0 cm / 8¹/₄"

12,0 mm

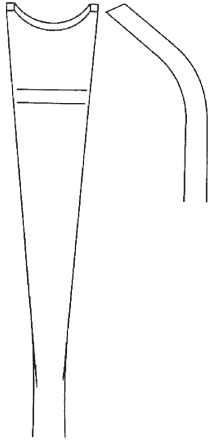


Fig. 1

MS 109-2200 19,0 cm / 7½"

12,0 mm

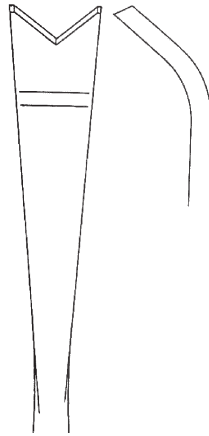


Fig. 2

MS 109-2201 23,0 cm / 9"

13,0 mm



Fig. 3

MS 109-2202 21,0 cm / 8¼"

13,0 mm

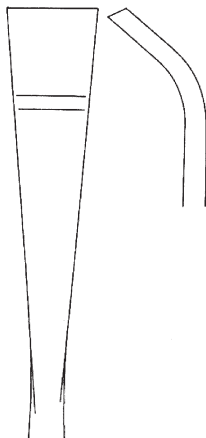


Fig. 4

MS 109-2203 23,0 cm / 9"

16,0 mm

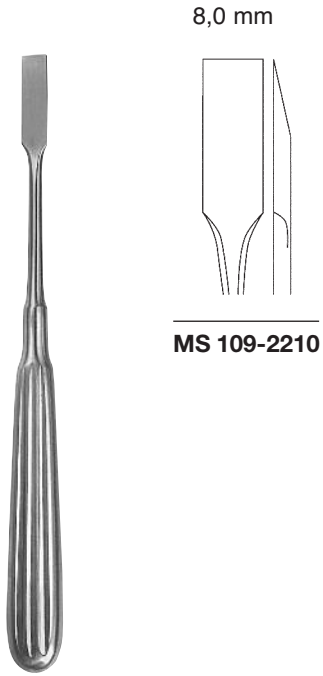


Fig. 5

MS 109-2204 21,0 cm / 8¼"

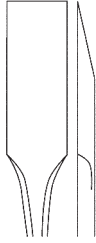


SEM



ADSON
17,0 cm / 6³/₄"

8,0 mm



MS 109-2210

7,0 mm



MS 109-2211

7,0 mm

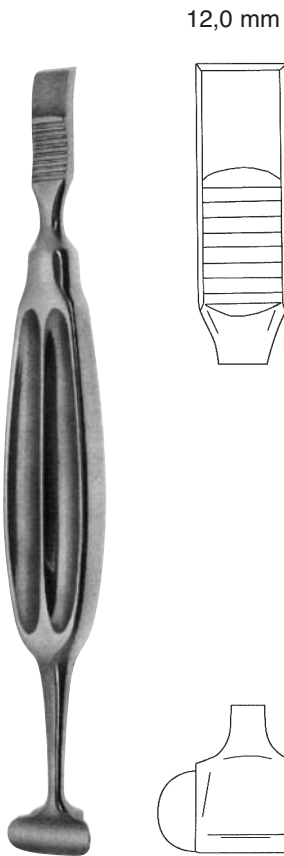


MS 109-2212

7,0 mm



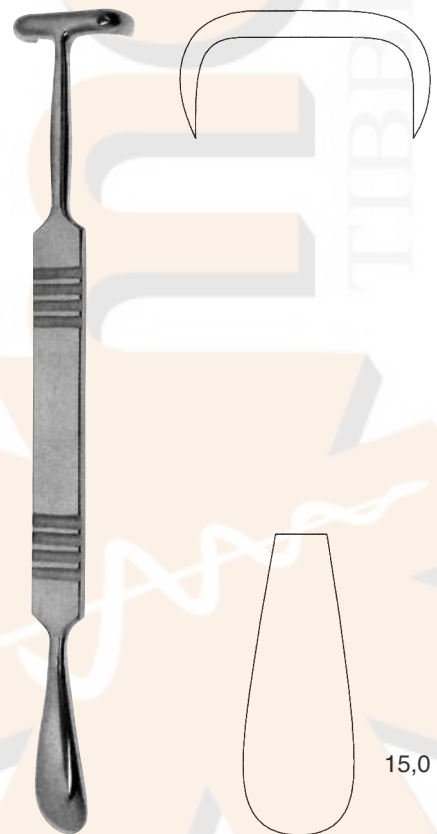
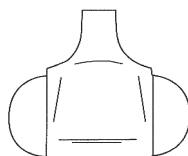
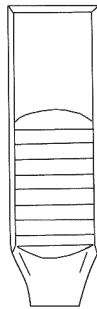
MS 109-2213



ALEXANDER

MS 109-2220 21,0 cm / 8¹/₄"

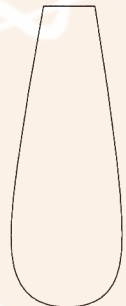
12,0 mm



MATSON

MS 109-2221 22,0 cm / 8³/₄"

15,0 mm



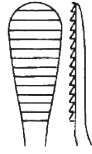


Fig. 1

MS 109-2230

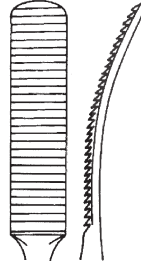


Fig. 2

MS 109-2231

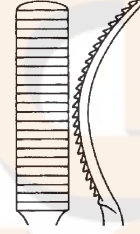


Fig. 3

MS 109-2232

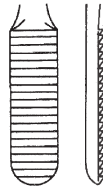
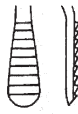


Fig. 4

MS 109-2233

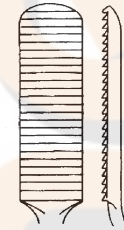
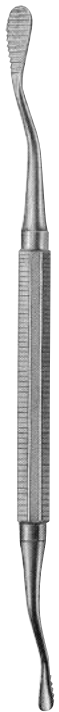


Fig. 5

MS 109-2234



MILLER-COLBURN
18,0 cm / 7"

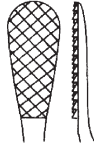


Fig. 1

MS 109-2240

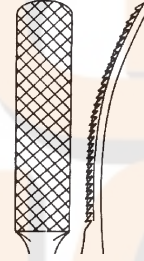
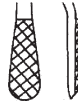


Fig. 2

MS 109-2241

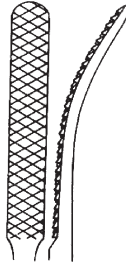


Fig. 3

MS 109-2242

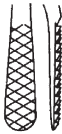
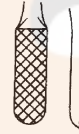


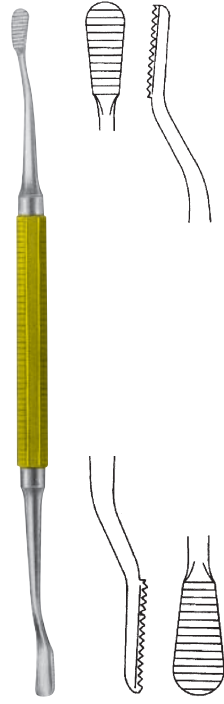
Fig. 4

MS 109-2243



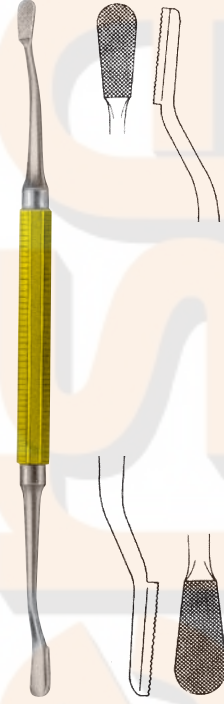
MILLER-COLBRUN

18,0 cm / 7"



TC-MILLER-COLBRUN

MS 109-2250 18,5 cm / 7¹/₄"



TC-MILLER-COLBRUN

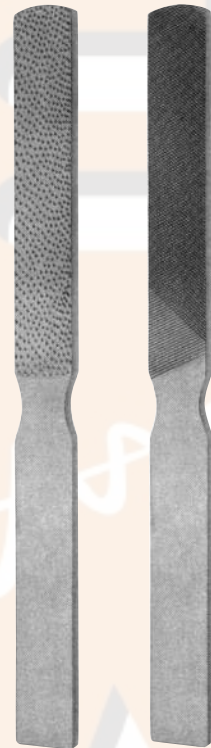
MS 109-2251 18,5 cm / 7¹/₄"



MS 109-2260 28,0 cm / 11"



MS 109-2261 24,5 cm / 9²/₃"



MS 109-2262 22,0 cm / 8³/₄"



PUTTI

MS 109-2263 30,0 cm / 12"



PUTTI

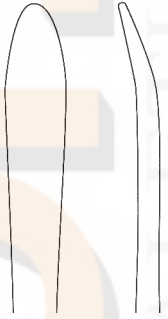
MS 109-2264 27,0 cm / 10³/₄"



LANGENBECK

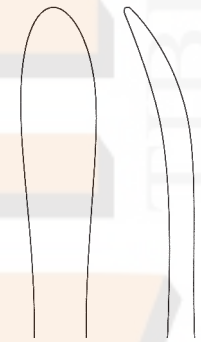
20,0 cm / 8"

8,0 mm

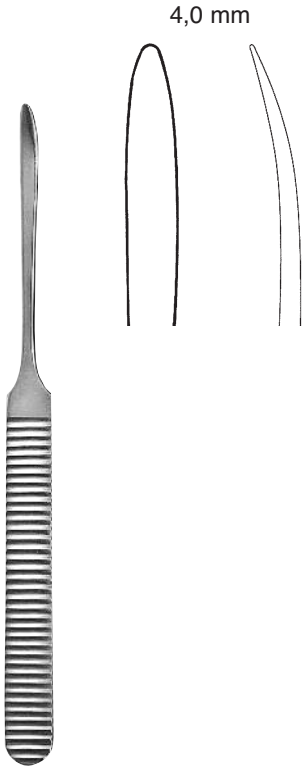


MS 109-2265

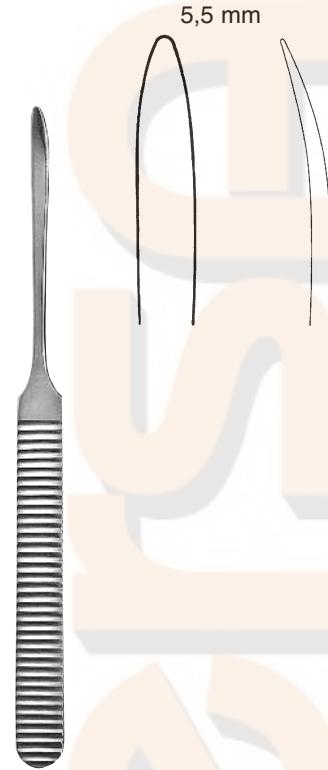
10,0 mm



MS 109-2266



WILLIGER
MS 109-2280 17,0 cm / 6³/₄"



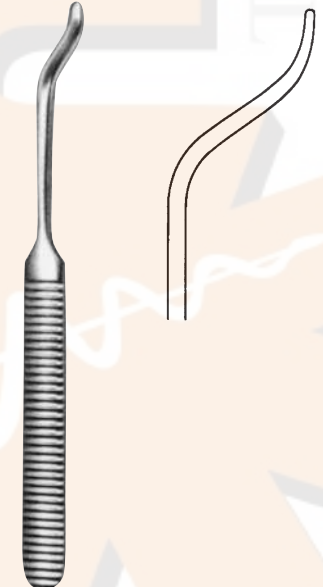
WILLIGER
MS 109-2281 16,0 cm / 6¹/₄"



MS 109-2282 17,0 cm / 6³/₄"

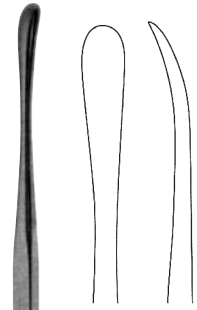


MS 109-2283 16,0 cm / 6¹/₄"

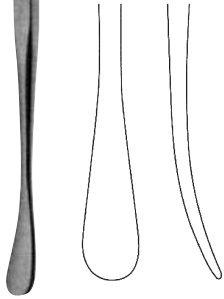


MS 109-2284 16,0 cm / 6¹/₄"

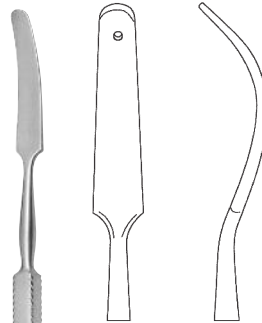
6,0 mm



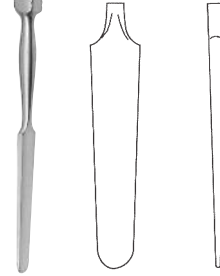
8,0 mm


ALDERDYCE
MS 109-2285 21,0 cm / 8¹/₄"

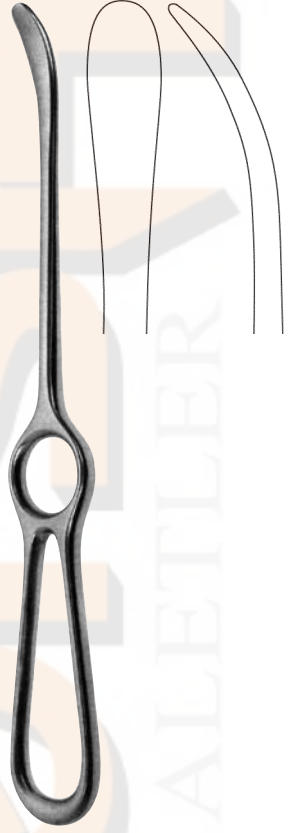
5,0 mm



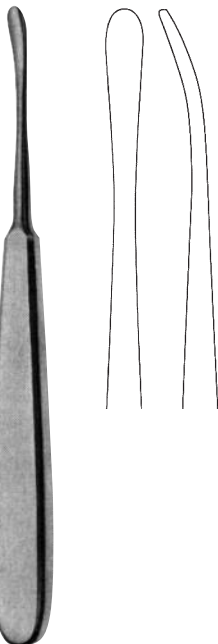
5,0 mm


MC DONALD
MS 109-2286 19,0 cm / 7¹/₂"

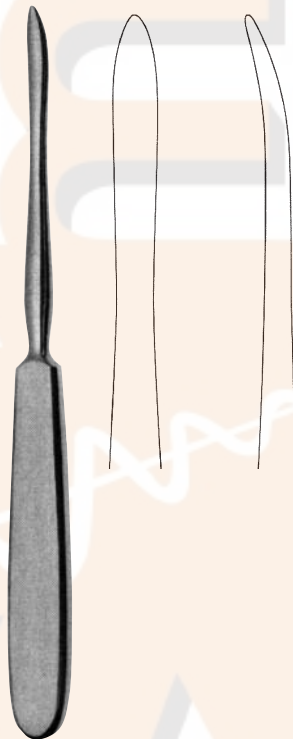
11,0 mm


LANGENBECK
MS 109-2287 23,0 cm / 9"

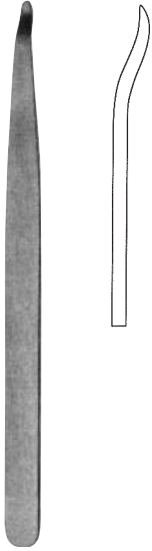
5,0 mm


SEBILEAU
MS 109-2288 17,0 cm / 6³/₄"

6,0 mm

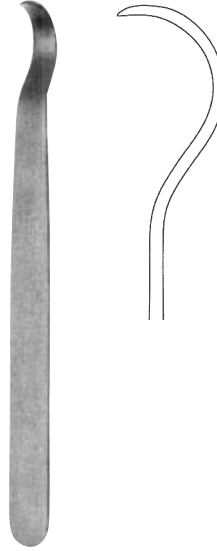

QUERVAIN
MS 109-2289 19,5 cm / 7³/₄"

2,8 mm



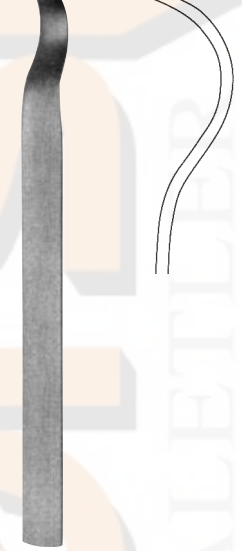
MS 109-2300 14,0 cm / 5½"

5,0 mm



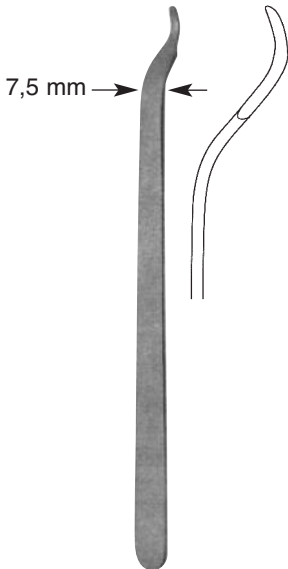
MS 109-2301 15,0 cm / 6"

7,0 mm



MS 109-2302 15,0 cm / 6 "

2,0 mm



BUCK-GRAMCKO

MS 109-2303 15,0 cm / 6"

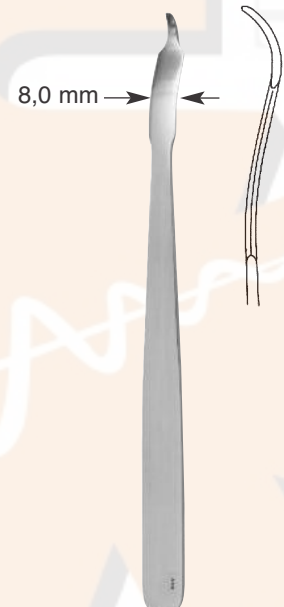
2,0 mm



MINI-HOHMANN

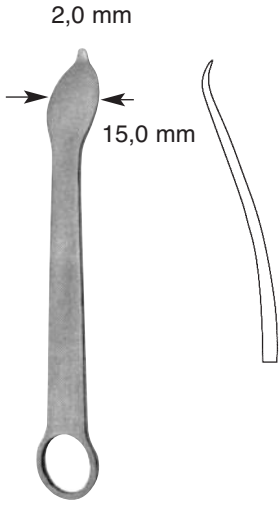
MS 109-2304 16,0 cm / 6¼"

2,0 mm



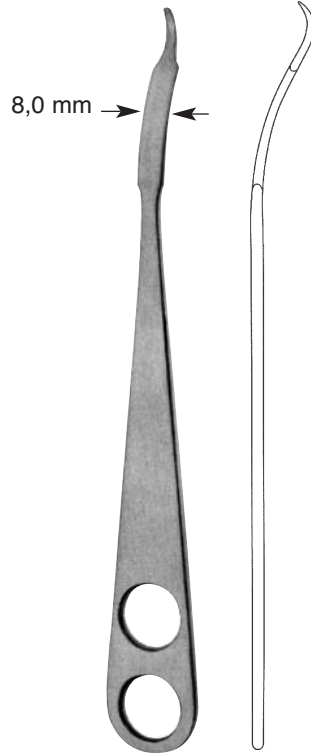
MINI-HOHMANN

MS 109-2305 16,0 cm / 6¼"



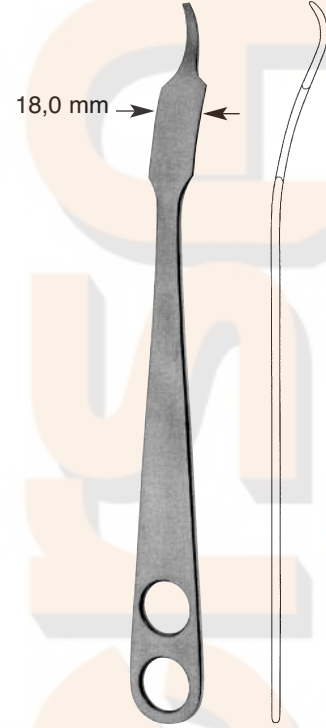
KNOCHENHEBEL

MS 109-2306 12,5 cm / 5"



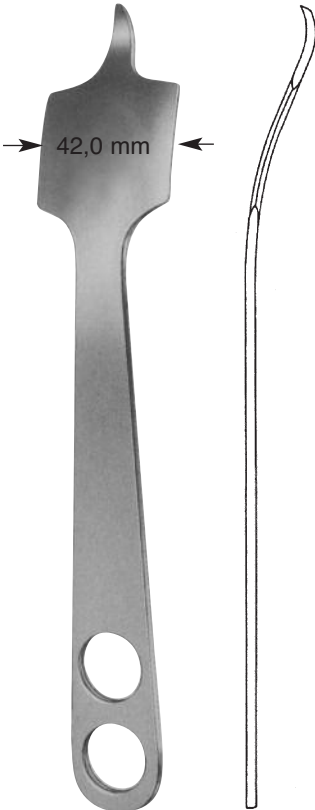
HOHMANN

MS 109-2307 22,0 cm / 8³/₄"



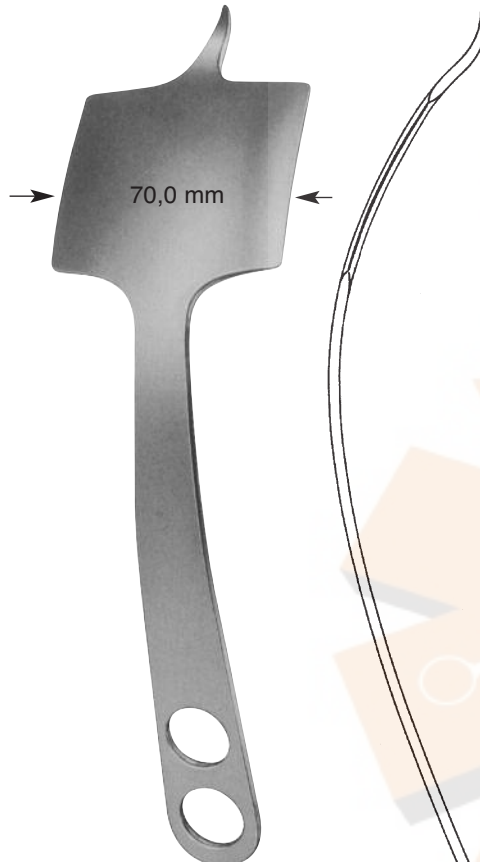
HOHMANN

MS 109-2308 23,5 cm / 9¹/₄"



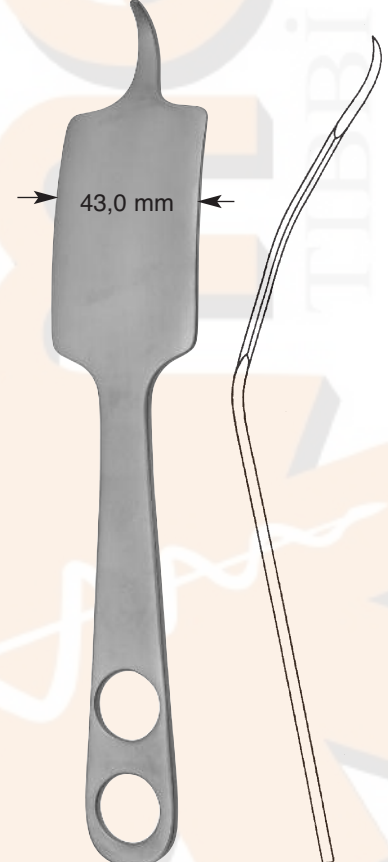
HOHMANN

MS 109-2309 24,0 cm / 9¹/₄"



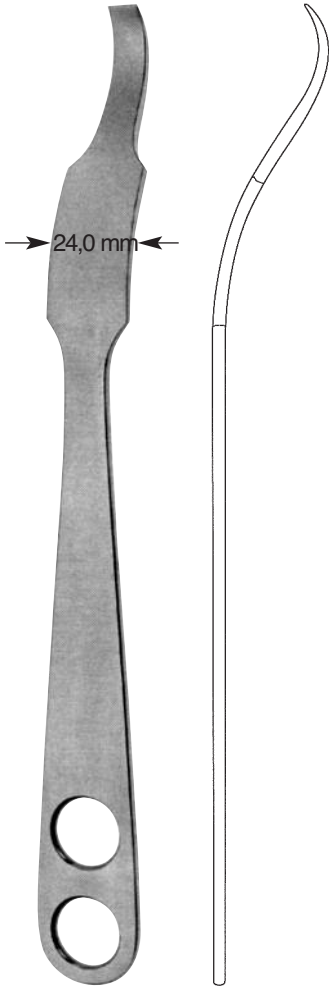
HOHMANN

MS 109-2310 25,0 cm / 9³/₄"

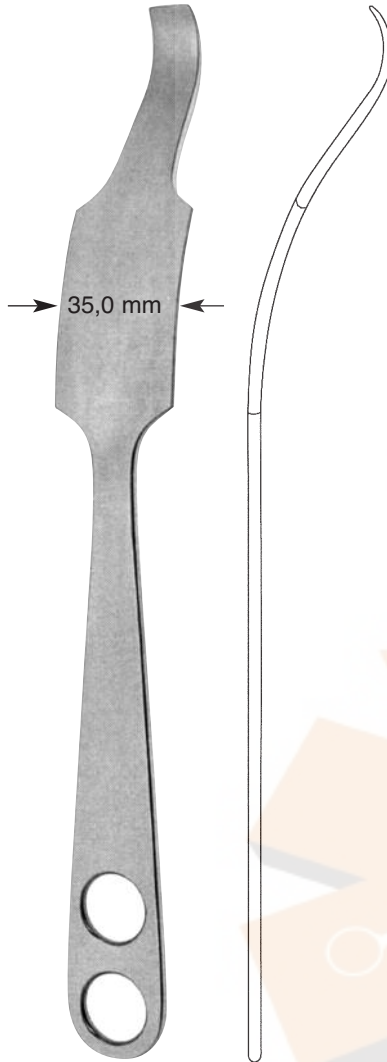


HOHMANN

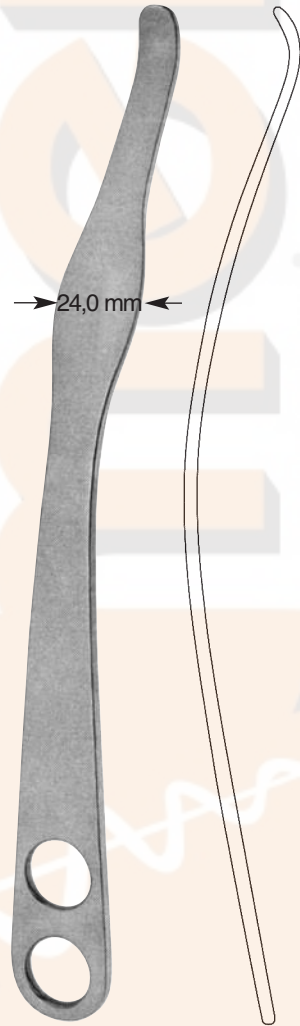
MS 109-2311 23,5 cm / 9¹/₄"



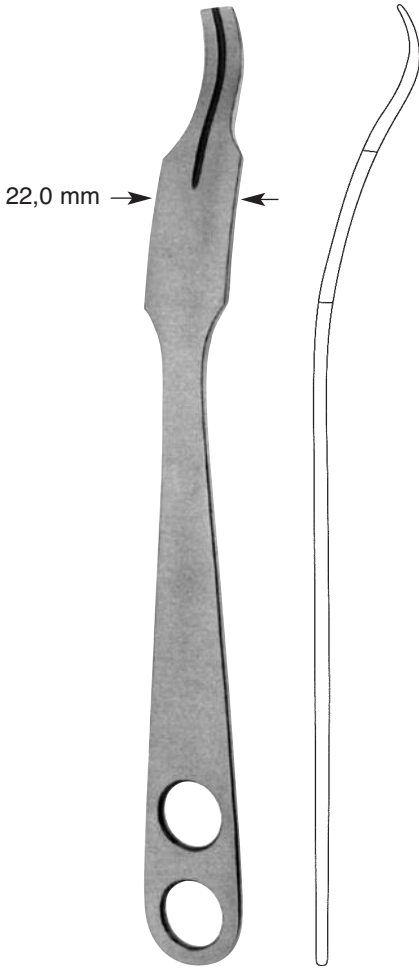
HOHMANN
MS 109-2312 26,0 cm / 10¹/₄"



HOHMANN
MS 109-2313 29,0 cm / 11¹/₄"

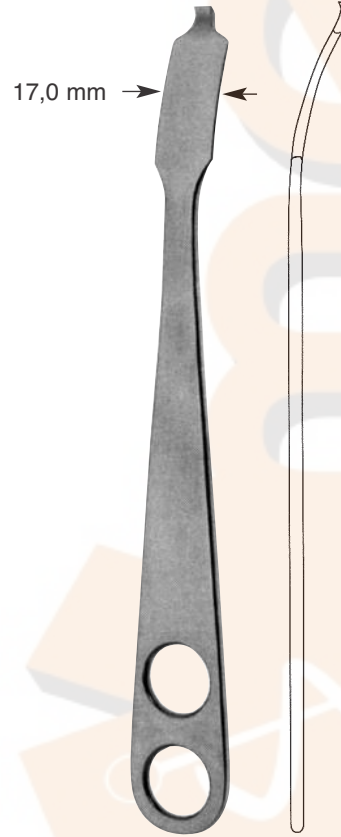


HOHMANN
MS 109-2314 27,5 cm / 10³/₄"



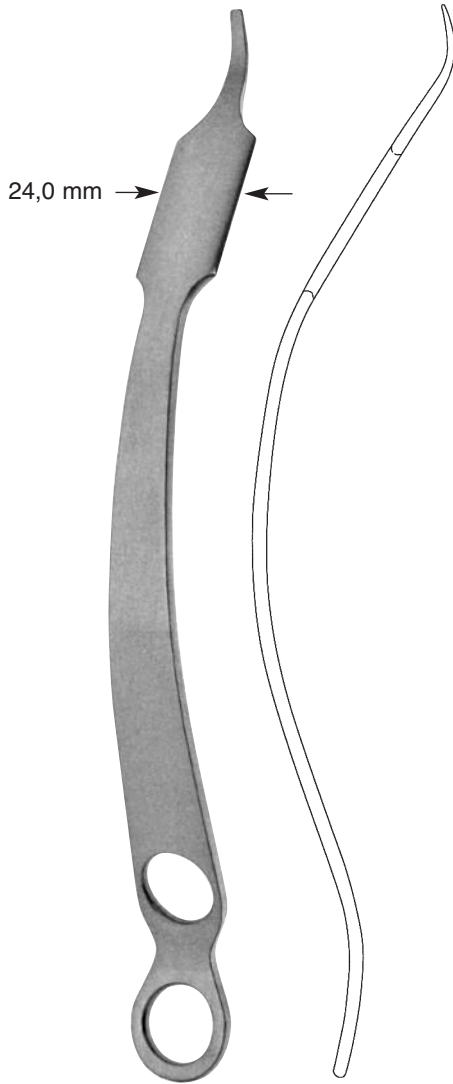
LANGE-HOHMANN

MS 109-2315 25,0 cm / 9³/₄"

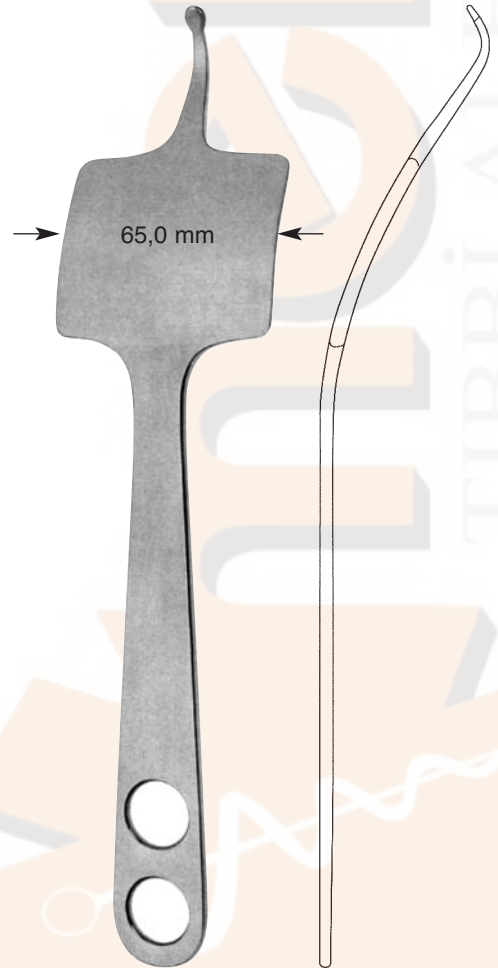


WAGNER

MS 109-2316 22,0 cm / 8³/₄"



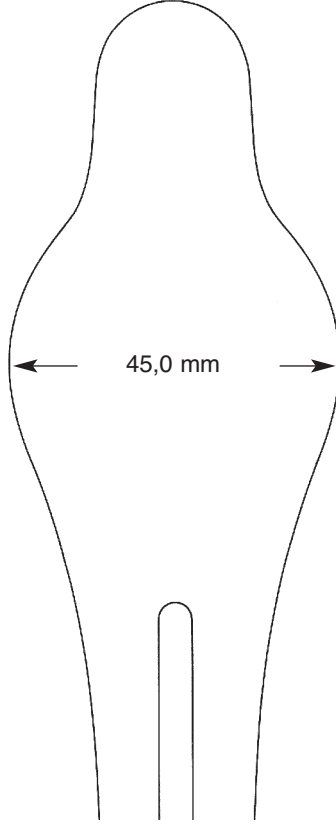
HOHMANN-ALDINGER
MS 109-2317 28,0 cm / 11"



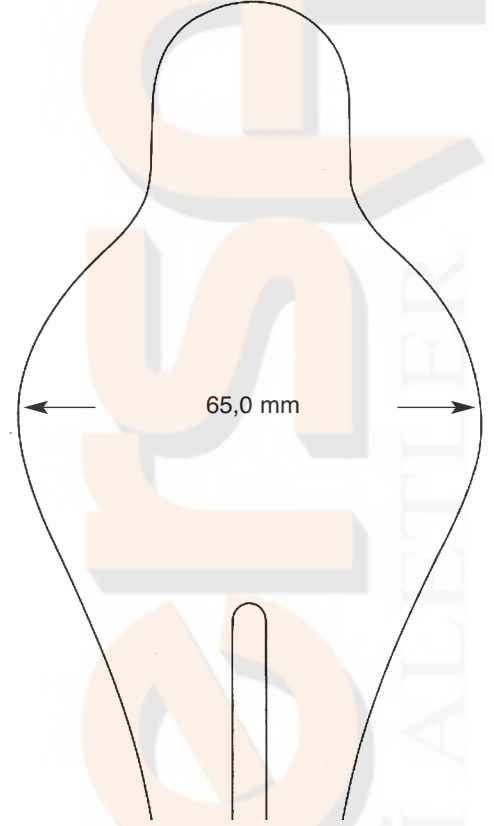
MÜLLER-VERBRUGGE
MS 109-2318 25,5 cm / 10"



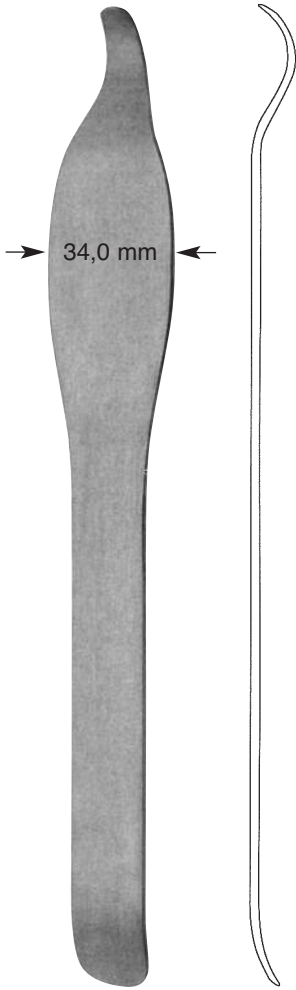
BENNET
25,0 cm / 10"



MS 109-2330

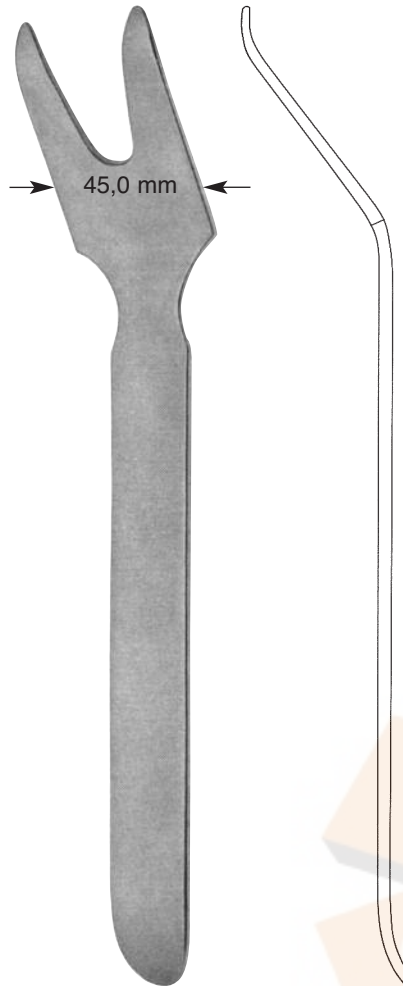


MS 109-2331



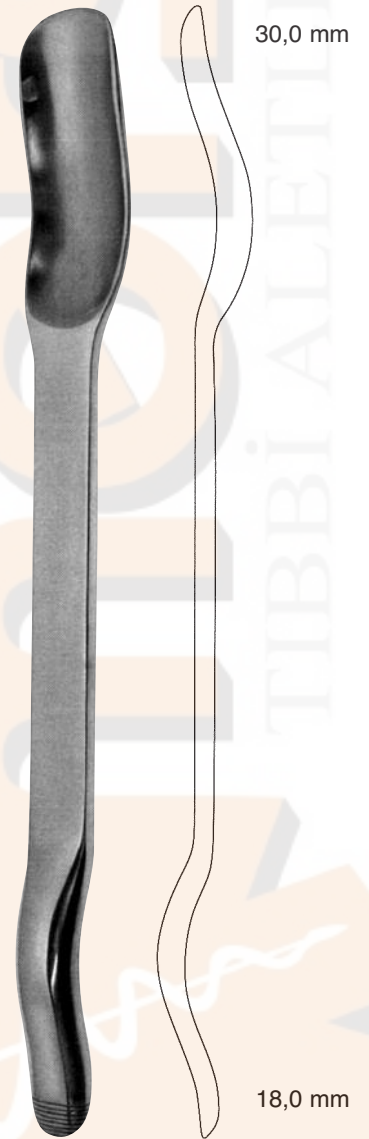
BLOUNT

MS 109-2340 26,0 cm / 10¹/₄"



BLOUNT

MS 109-2341 26,0 cm / 10¹/₄"



MURPHY-LANE

MS 109-2345 30,0 cm / 12"



40 x 4 mm

BLOUNT
MS 109-2346 17,5 cm / 7"

MS 109-2347
MS 109-2348

75 x 30 mm

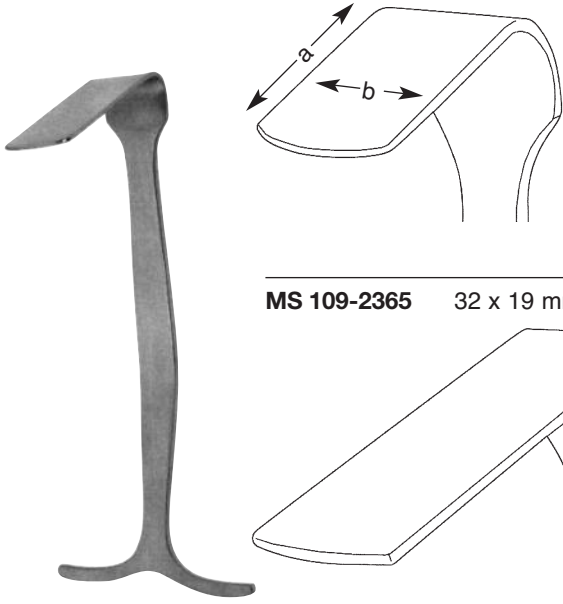
100 x 30 mm

TAYLOR

16,0 cm / 6 1/2"

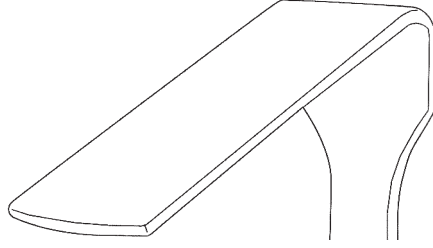
56 x 10 mm


MS 109-2360 17,0 cm / 6 3/4"

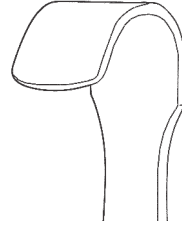


SMILLIE
14,0 cm / 5½"

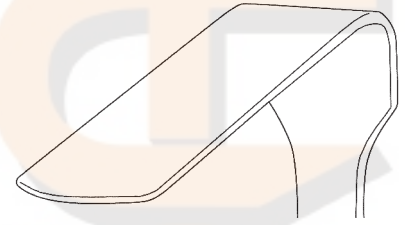
MS 109-2365 32 x 19 mm (a x b)



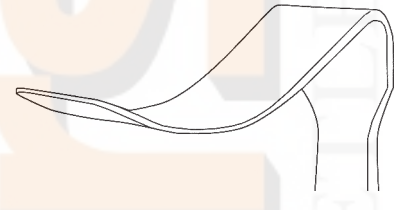
MS 109-2367 57 x 19 mm (a x b)



MS 109-2369 17 x 13 mm (a x b)



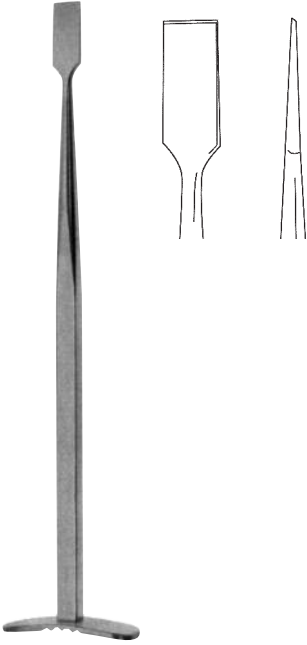
MS 109-2366 48 x 19 mm (a x b)



MS 109-2368 52 x 13 mm (a x b)

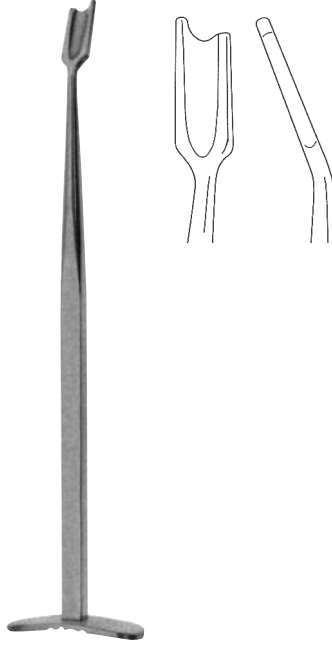


MS 109-2380 21,0 cm / 8¼"



SMILLIE

MS 109-2385 17,0 cm / 6³/₂"



SMILLIE

MS 109-2386 17,0 cm / 6³/₄"



SMILLIE

MS 109-2387 17,0 cm / 6³/₄"



BIRCHER

MS 109-2400 19,0 cm / 7¹/₂"



BIRCHER

MS 109-2401 19,0 cm / 7¹/₂"



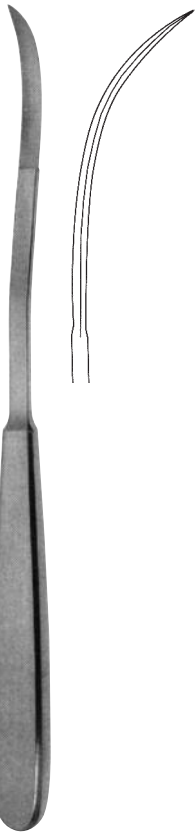
NEFF

MS 109-2410 20,5 cm / 8"



NEFF

MS 109-2411 20,5 cm / 8"



SALENIUS

MS 109-2412 22,0 cm / 8³/₄"



SALENIUS

MS 109-2413 22,0 cm / 8³/₄"



MS 109-2414 18,0 cm / 7"



MS 109-2420 Ø 3,0 mm



MS 109-2421 Ø 4,0 mm



MS 109-2422 Ø 5,0 mm



MS 109-2423 Ø 6,0 mm



MS 109-2424 Ø 7,0 mm



BUNNELL
15,0 cm / 6"



MS 109-2430 Ø 4,0 mm



MS 109-2431 Ø 4,5 mm



MS 109-2432 Ø 5,5 mm

esnek şaft
flexible shaft

23,0 cm / 9"

Ø 4,0 mm



FISCHER

MS 109-2440 31,0 cm / 12 1/4"

Ø 5,0 mm



BUNNELL

MS 109-2441 23,0 cm / 9"



MS 109-2450
15,0 cm / 6"



MS 109-2451
19,0 cm / 7 1/2"



MS 109-2452
24,0 cm / 9 1/2"



MS 109-2460
15,0 cm / 6"



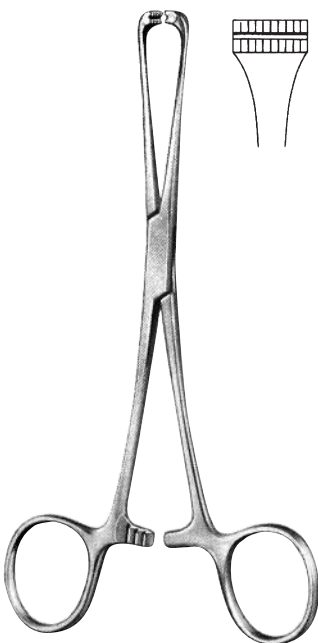
MS 109-2461
19,0 cm / 7 1/2"



MS 109-2462
24,0 cm / 9 1/2"

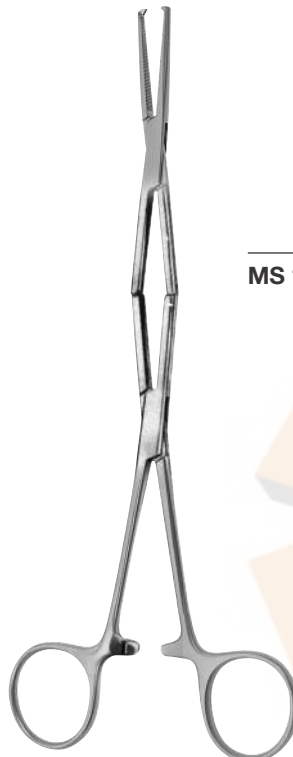
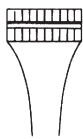
BRAND

BRAND



STEINMANN

MS 109-2470 16,0 cm / 6 1/4"

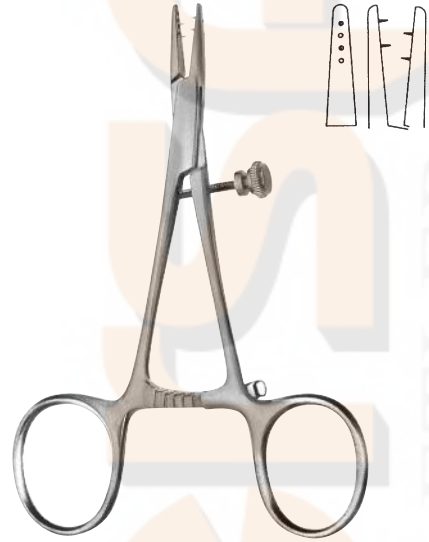


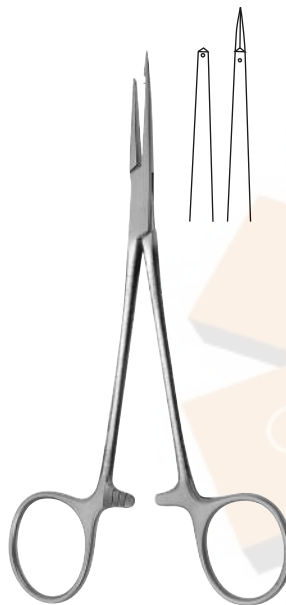
MS 109-2471



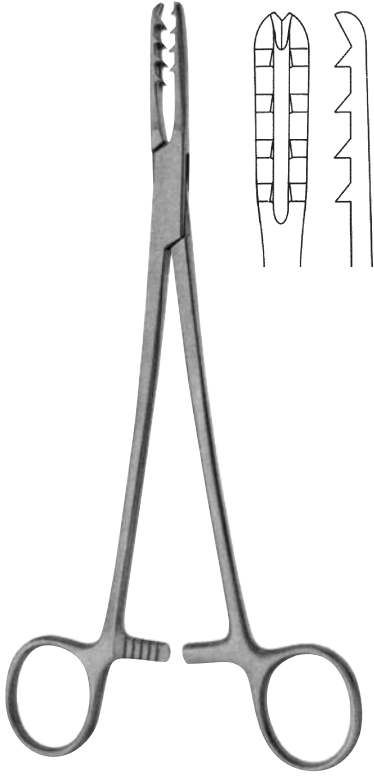
MS 109-2472

20,5 cm / 8"


CAROLL
MS 109-2480 11,0 cm / 4³/₈"

MS 109-2481 11,5 cm / 4¹/₂"

KLEINERT-KUTZ
MS 109-2482 Ø 2,0 mm 20,5 cm / 8"
MS 109-2483 Ø 2,5 mm 20,5 cm / 8"

MS 109-2490 15,0 cm / 6"

MS 109-2491 15,0 cm / 6"



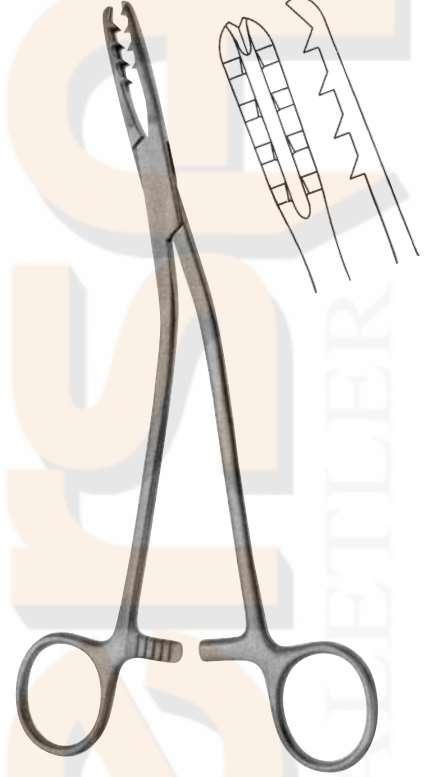
BIRCHER-GANSKE

MS 109-2500 20,5 cm / 8"



BIRCHER-GANSKE

MS 109-2501 20,5 cm / 8"



BIRCHER-GANSKE

MS 109-2502 20,0 cm / 8"



MS 109-2510 14,0 cm / 5 1/4"



DINGMANN

MS 109-2511 18,5 cm / 7 1/4"



MARTIN

MS 109-2512 18,5 cm / 7 1/4"



LEWIN

MS 109-2520 18,0 cm / 7"



MS 109-2521 14,0 cm / 5 1/2"



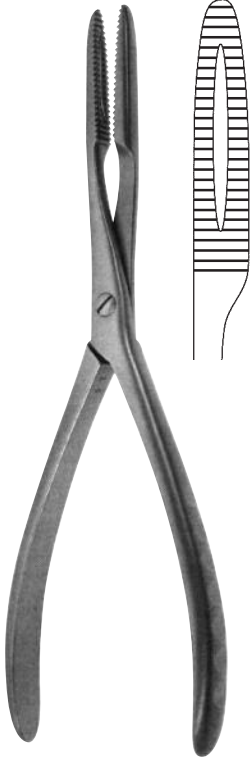
MS 109-2522 14,0 cm / 5 1/2"



MS 109-2523 13,5 cm / 5 1/4"



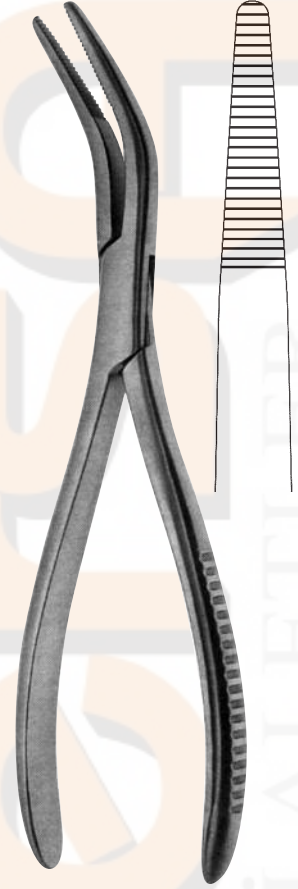
MS 109-2524 20,5 cm / 8"



MS 109-2530 20,0 cm / 8"



MS 109-2531 20,0 cm / 8"



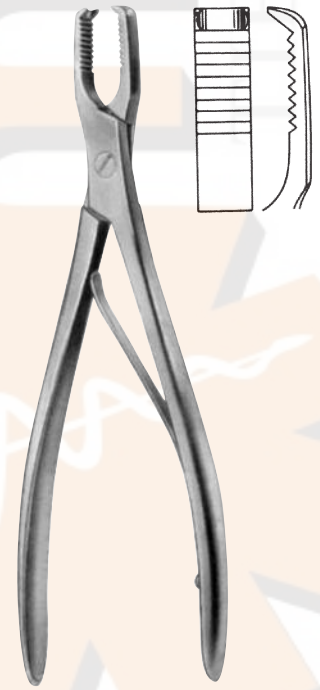
VAN BUREN
MS 109-2532 23,0 cm / 9"



LANGENBECK
MS 109-2533 21,0 cm / 9"



FERGUSON
MS 109-2534 21,0 cm / 8 1/4"



FROSCH
MS 109-2535 18,0 cm / 7"

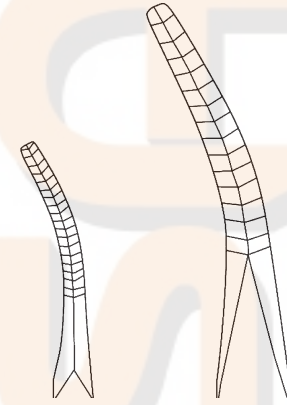


LANGENBECK

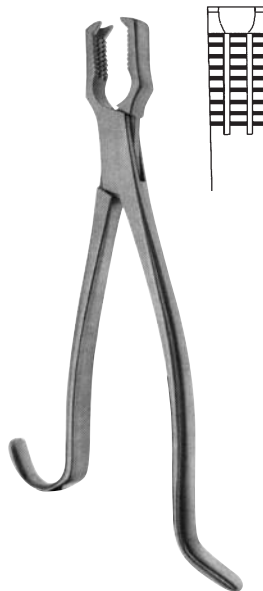
MS 109-2536 20,0 cm / 8"



MS 109-2540
16,0 cm / 6¹/₄"

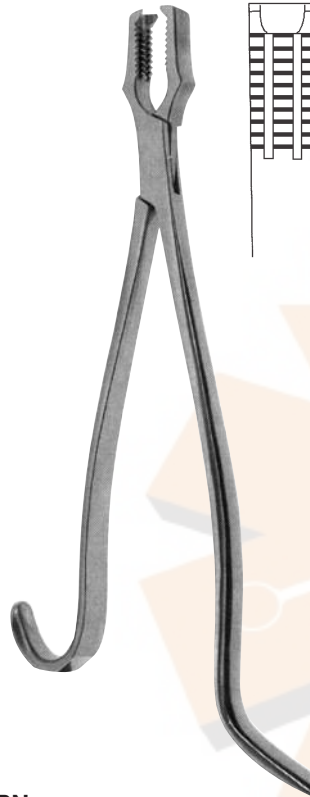


MS 109-2541
24,0 cm / 9¹/₂"



BABY-KERN

MS 109-2550 15,0 cm / 6"



KERN

MS 109-2551 17,0 cm / 6³/₄"
MS 109-2552 21,0 cm / 8¹/₄"



BABY-KERN

MS 109-2560 15,0 cm / 6"



KERN

MS 109-2561 17,0 cm / 6³/₄"
MS 109-2562 21,0 cm / 8¹/₄"



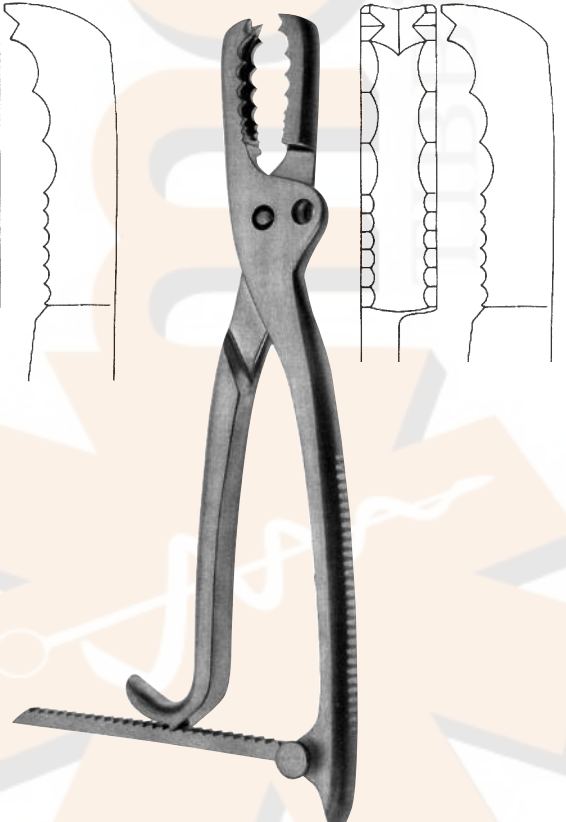
SEMB

MS 109-2570 19,0 cm / 7³/₄"



FARABEUF

MS 109-2571 23,0 cm / 9"
MS 109-2572 26,0 cm / 10¹/₄"

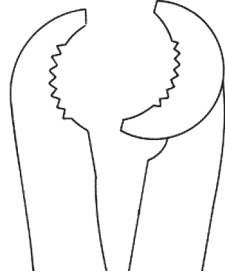


FARABEUF-LAMBOTTE

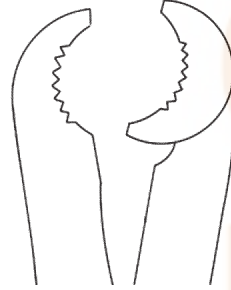
MS 109-2573 26,0 cm / 10"



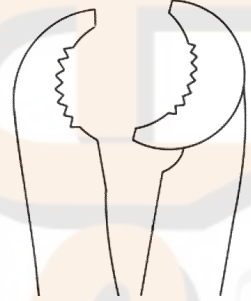
LAMBOTTE



MS 109-2580
22,0 cm / 8³/₄"



MS 109-2581
27,0 cm / 10³/₄"

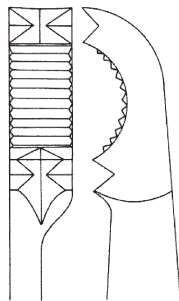


MS 109-2582
30,0 cm / 11³/₄"



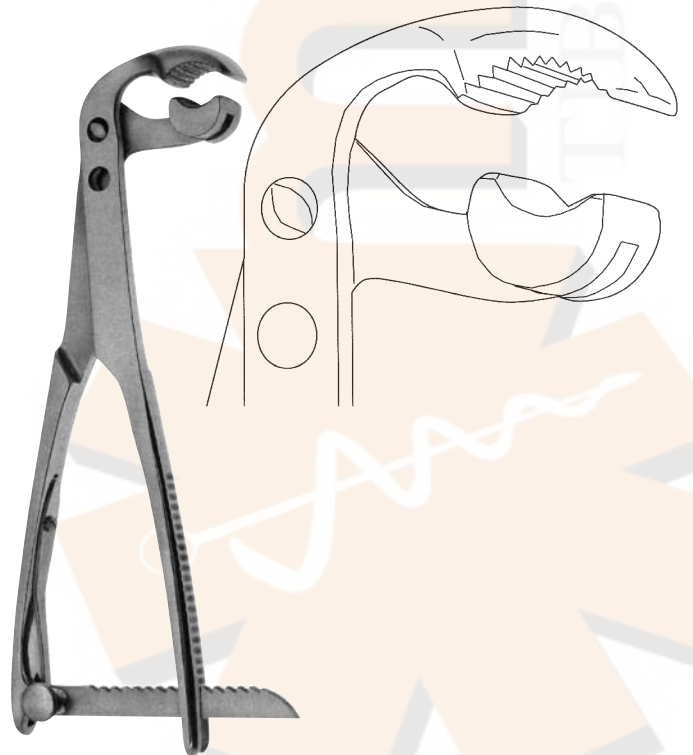
TUFFIER

MS 109-2590 27,0 cm / 10³/₄"



LAMBOTTE

MS 109-2591 19,0 cm / 7¹/₂"





LANE

MS 109-2600	33,0 cm / 13"
MS 109-2601	45,0 cm / 17 ³ / ₄ "



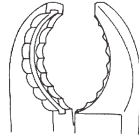
LANE

MS 109-2610	33,0 cm / 13"
MS 109-2611	45,0 cm / 17 ³ / ₄ "



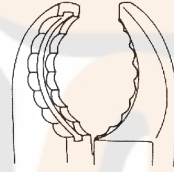
ULRICH

5,0 mm



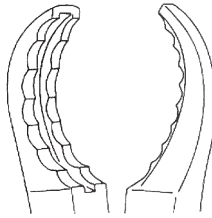
MS 109-2620
18,0 cm / 7"

7,5 mm



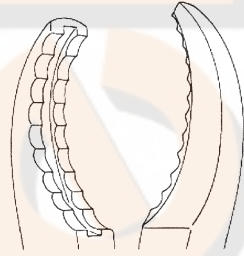
MS 109-2621
23,0 cm / 9"

8,0 mm



MS 109-2622
25,0 cm / 10"

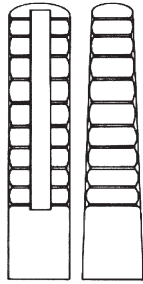
8,5 mm



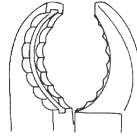
MS 109-2623
28,0 cm / 11"



ULRICH

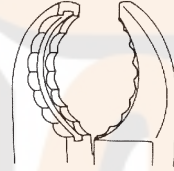


5,0 mm



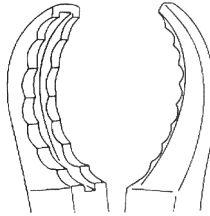
MS 109-2630
18,0 cm / 7"

7,5 mm



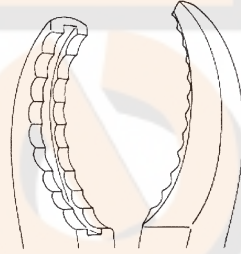
MS 109-2631
23,0 cm / 9"

8,0 mm



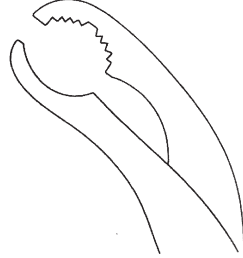
MS 109-2632
25,0 cm / 10"

8,5 mm



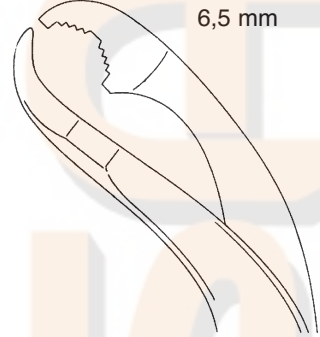
MS 109-2633
28,0 cm / 11"

2,5 mm



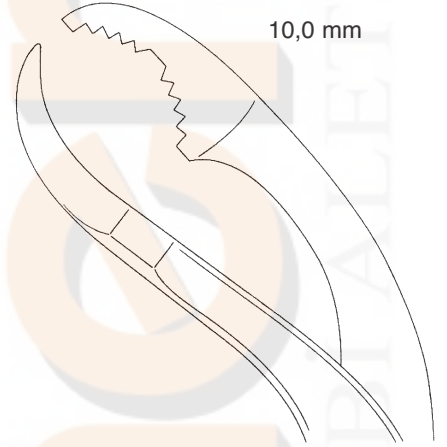
MS 109-2640
15,0 cm / 6"

6,5 mm



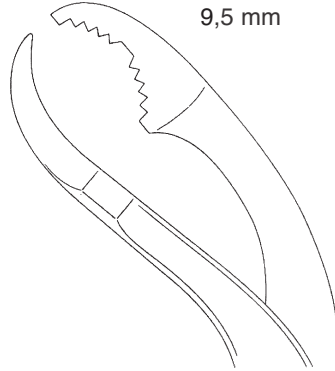
MS 109-2641
19,0 cm / 7½"

10,0 mm



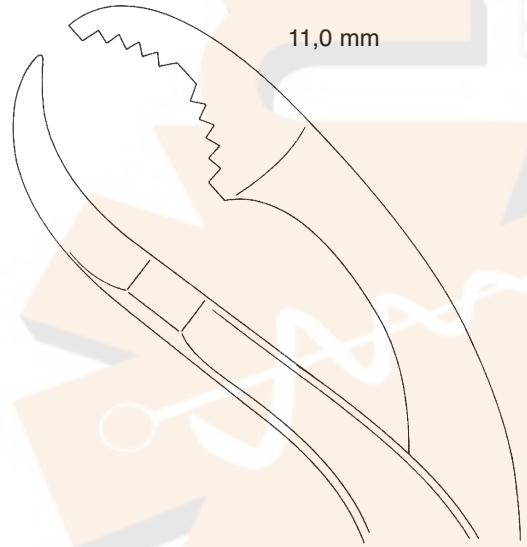
MS 109-2643
26,0 cm / 10¼"

9,5 mm



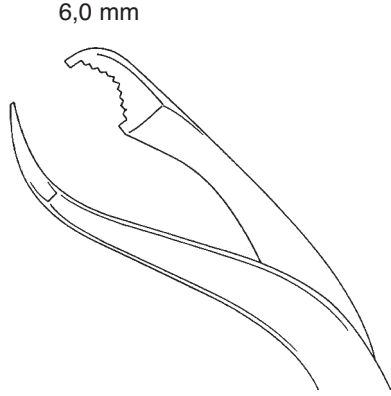
MS 109-2642
24,0 cm / 9½"

11,0 mm

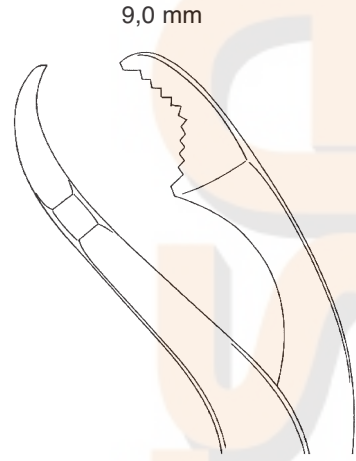


MS 109-2644
28,0 cm / 11"

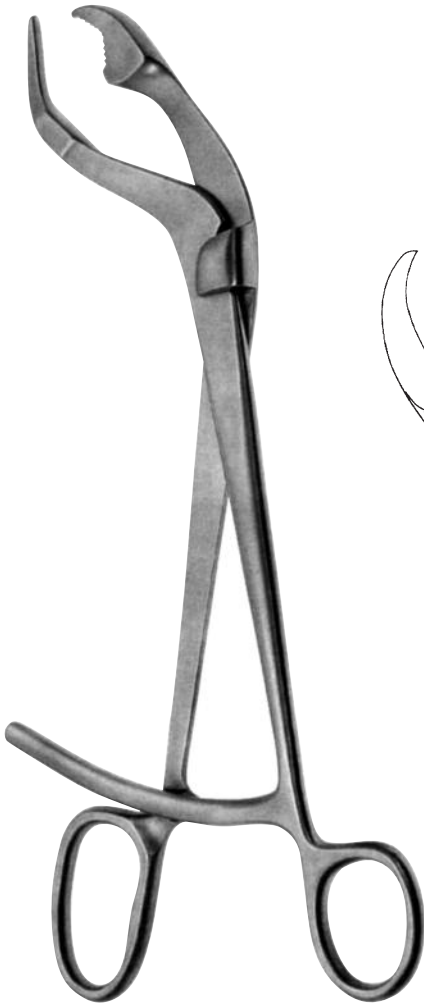




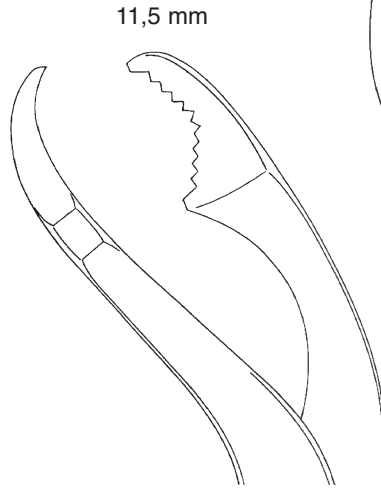
MS 109-2650
17,5 cm / 7"



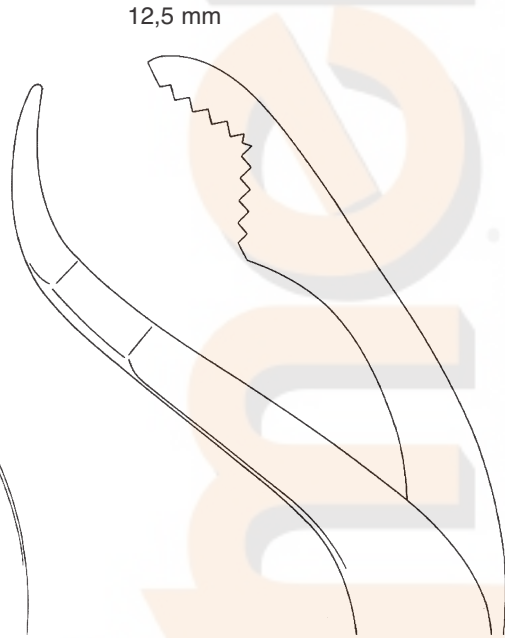
MS 109-2651
25,0 cm / 10"



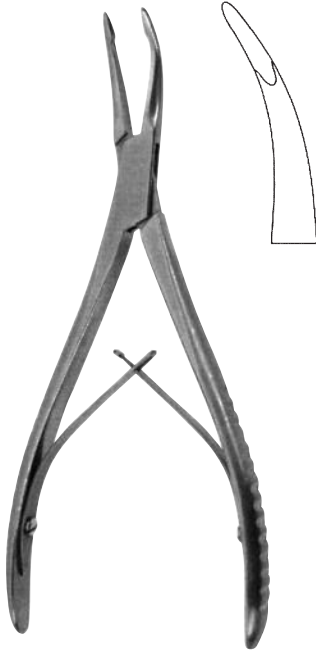
VERBRUGGE



MS 109-2652
26,0 cm / 10¹/₄"

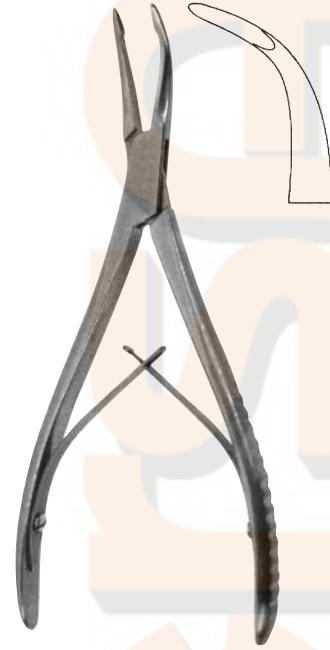


MS 109-2653
27,0 cm / 10³/₄"



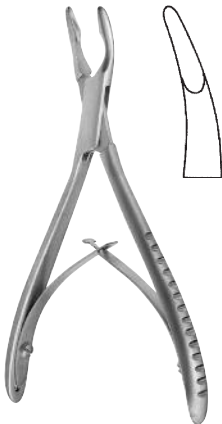
STELLBRINK

MS 109-2660 17,5 cm / 7"



STELLBRINK

MS 109-2661 17,5 cm / 7"



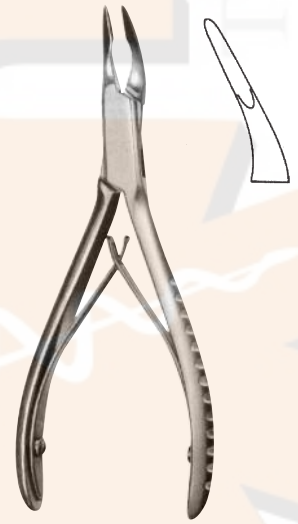
MINI-FRIEDMANN

MS 109-2670 12,0 cm / 4³/₄"



FRIEDMANN

MS 109-2671 14,0 cm / 5¹/₂"



FRIEDMANN-VICKERS

MS 109-2672 14,0 cm / 5¹/₂"



CLEVELAND

MS 109-2673 14,0 cm / 5½"



CLEVELAND

MS 109-2674 17,0 cm / 6¾"



MEAD

MS 109-2675 16,5 cm / 6½"



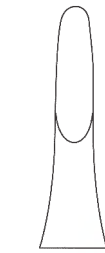
HARTMANN

MS 109-2676 18,0 cm / 7"



JANSEN

18,0 cm / 7"



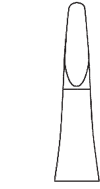
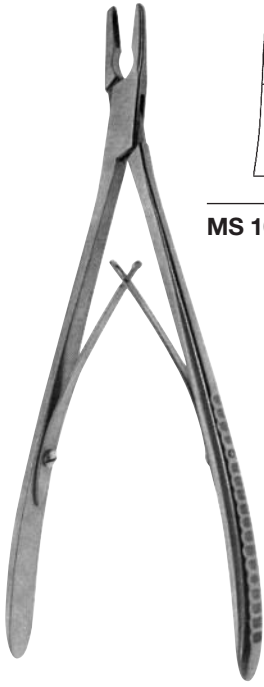
MS 109-2677



MS 109-2678



MS 109-2679

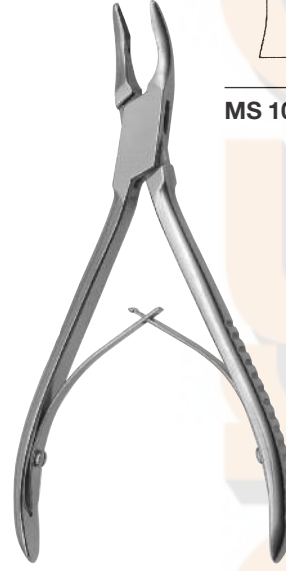


MS 109-2690



MS 109-2691

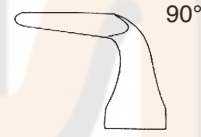
LEMPERT
19,0 cm / 7 1/2"



MS 109-2700

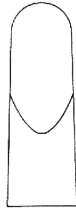


MS 109-2701



MS 109-2702

BLUMENTHAL
15,5 cm / 6"



MS 109-2710



MS 109-2711

LUER
17,0 cm / 6 3/4"



MS 109-2720

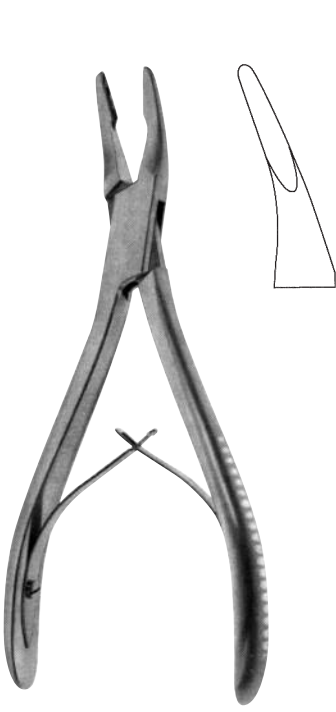


MS 109-2721

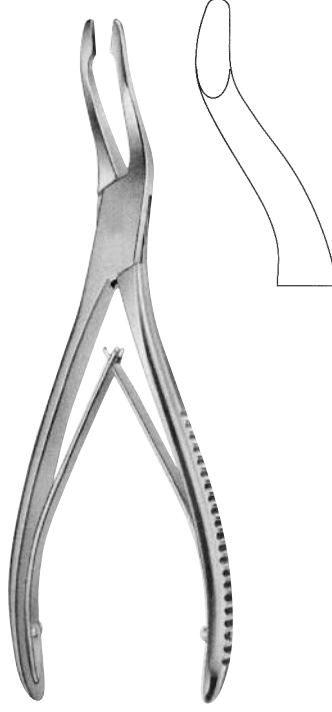


MS 109-2722

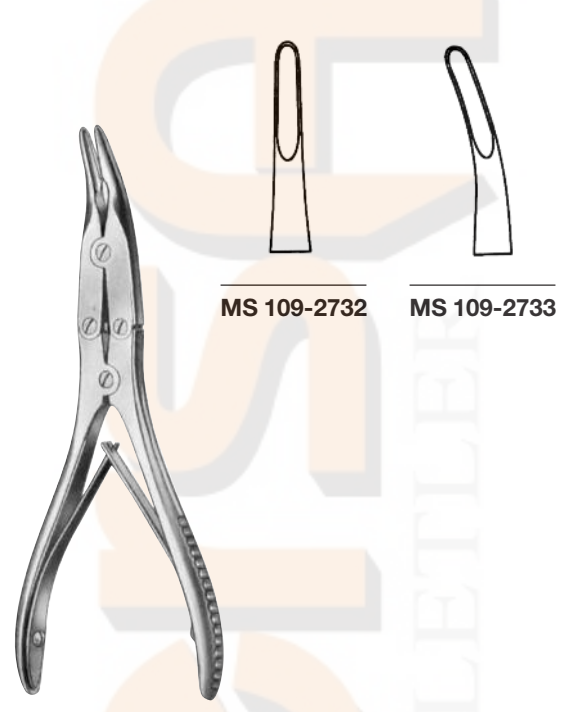
LUER
14,5 cm / 5 3/4"



BEYER
MS 109-2730 18,0 cm / 7"



JANSEN
MS 109-2731 19,0 cm / 7½"



BÖHLER
MS 109-2732 15,5 cm / 6"



BEYER
MS 109-2734 18,0 cm / 7"



ZAUFAL-JANSEN
MS 109-2735 18,0 cm / 7"



MAYFIELD
MS 109-2736 17,5 cm / 7"



MAR UARDT
MS 109-2737 20,0 cm / 8"



RUSKIN
MS 109-2738 18,0 cm / 7"



RUSKIN
MS 109-2739 24,0 cm / 9½"



SEMB
MS 109-2740 23,5 cm / 9¼"



STILLE
23,0 cm / 9"



MS 109-2750



MS 109-2751



MS 109-2752

2,0 mm



MS 109-2760

3,0 mm



MS 109-2761

4,0 mm



MS 109-2762



ECHLIN
23,0 cm / 9"



STILLE RUSKIN
MS 109-2770 23,0 cm / 9"

3,0 mm



MS 109-2780

5,0 mm



MS 109-2781

8,0 mm



MS 109-2782



LEKSELL-STILLE

24,5 cm / 9³/₄"



FRYKHOLM

MS 109-2790 24,5 cm / 9³/₄"



MS 109-2791

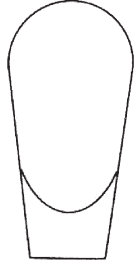


MS 109-2792

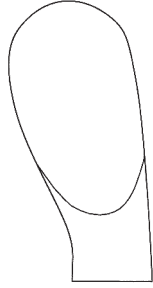


STILLE-LUER

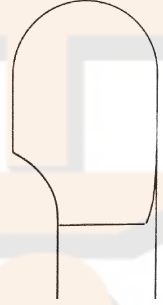
22,0 cm / 8³/₄"



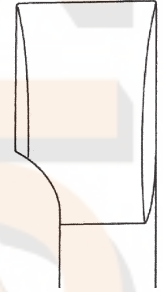
MS 109-2793 23,0 cm / 9"
MS 109-2794 27,0 cm / 10³/₄"



MS 109-2795 23,0 cm / 9"
MS 109-2796 27,0 cm / 10³/₄"



MS 109-2800



MS 109-2801



STILLE-LUER



SAUERBRUCH
30,0 cm / 11³/₄"



LISTON



MS 109-2810
14,0 cm / 5 1/2"



MS 109-2811
17,0 cm / 6 3/4"



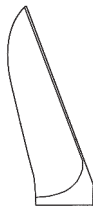
MS 109-2812
19,0 cm / 7 1/2"



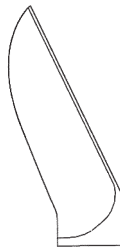
MS 109-2813
22,0 cm / 8 3/4"



LISTON



MS 109-2820
14,0 cm / 5 1/2"



MS 109-2821
17,0 cm / 6 3/4"



MS 109-2822
19,0 cm / 7 1/2"



MS 109-2823
22,0 cm / 8 3/4"



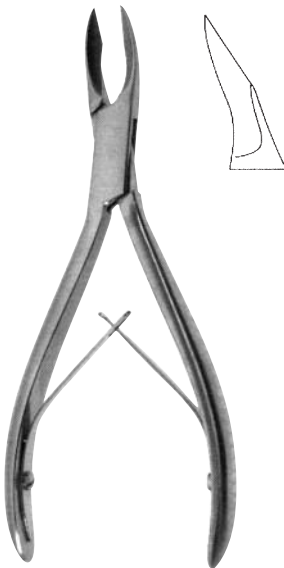
MARKWALDER

MS 109-2830 20,0 cm / 8"



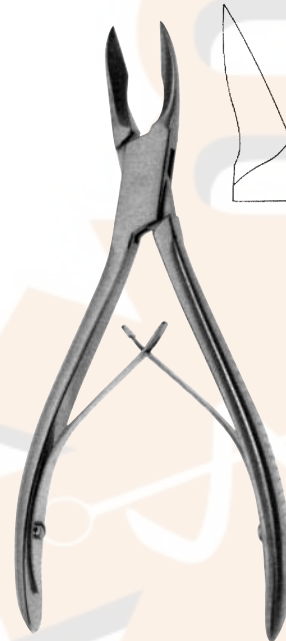
COTTLE-KAZANJIAN

MS 109-2831 19,0 cm / 7½"



CLEVELAND

MS 109-2832 15,0 cm / 6"



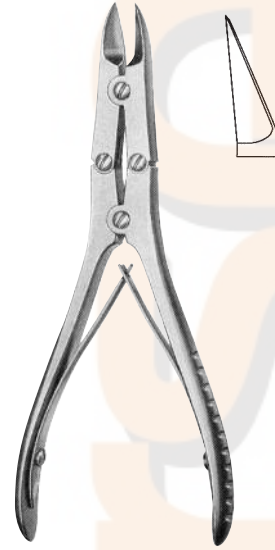
CLEVELAND

MS 109-2833 17,0 cm / 6¾"



BÖHLER

MS 109-2834 15,0 cm / 6"



BÖHLER

MS 109-2835 15,0 cm / 6"



RUSKIN

MS 109-2836 18,0 cm / 7"



RUSKIN

MS 109-2837 18,0 cm / 7 "



MC INDOE

MS 109-2838 17,5 cm / 6³/₄"



STILLE-LISTON

MS 109-2839 27,0 cm / 10³/₄"



STILLE-LISTON

MS 109-2840 27,0 cm / 10³/₄"



STILLE-LISTON

MS 109-2841 24,0 cm / 9½"



STILLE-LISTON

MS 109-2842 27,0 cm / 10¾"



LISTON-KEY

MS 109-2843 27,0 cm / 10³/₄"



SEMB

MS 109-2844 24,0 cm / 9¹/₂"



MS 109-2860 24,5 cm / 9³/₄"
çocuk için
for children

MS 109-2861 37,0 cm / 14¹/₂"
yetişkin için
for adults



MARTIN-VICKERS

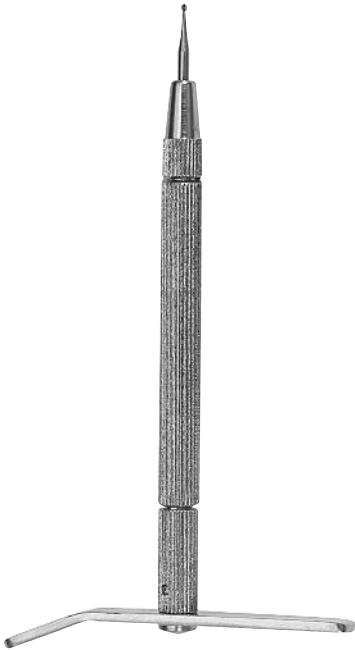
MS 109-2862 27,0 cm / 10³/₄"



MS 109-2864
Sadece Bant
Band only

FELDHEIM

MS 109-2863 10,0 cm / 4"



MARTIN-IDEAL

MS 109-2870
komple
complet



MS 109-2871



MS 109-2872



MS 109-2873

MARTIN-IDEAL

MS 109-2874
3 matkap set
Set of 3 drills



MS 109-2880-1
Yedek testere
Spare saw

MOD. MARTIN

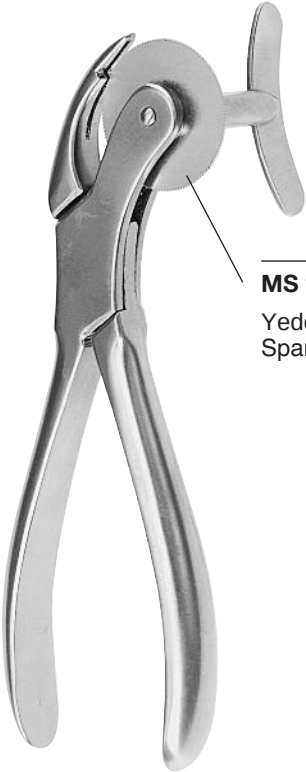
MS 109-2880 17,0 cm / 6³/₄"



MS 109-2881-1
Yedek Testere
Spare saw

WALTON

MS 109-2881 16,0 cm / 6¹/₄"



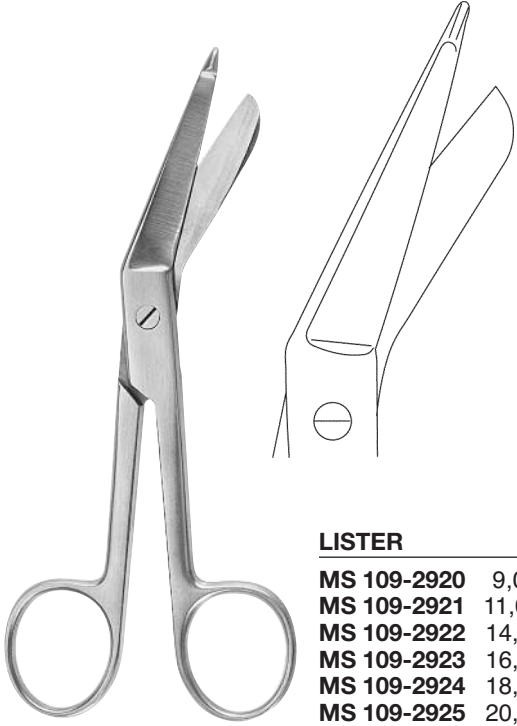
MS 109-2883
Yedek Testere
Spare saw

MS 109-2882 17,0 cm / 6³/₄"



RADOLF

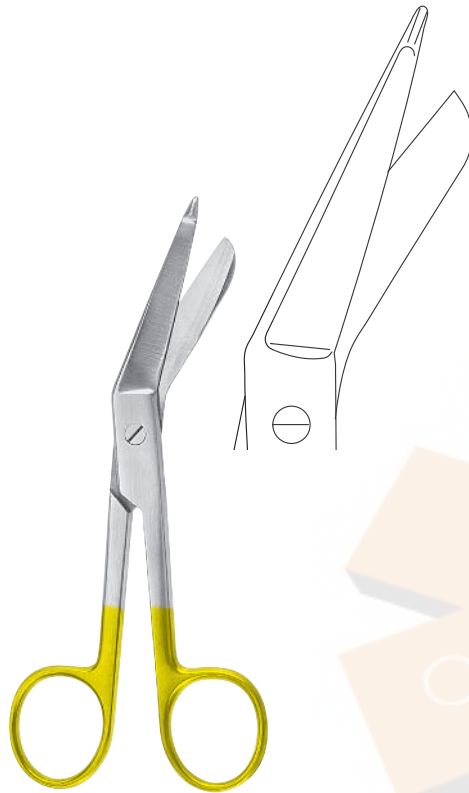
MS 109-2890 13,5 cm / 5³/₈"


LISTER

MS 109-2920	9,0 cm / 3 1/2"
MS 109-2921	11,0 cm / 4 3/8"
MS 109-2922	14,0 cm / 5 1/2"
MS 109-2923	16,0 cm / 6 1/4"
MS 109-2924	18,0 cm / 7"
MS 109-2925	20,0 cm / 8"


LISTER

MS 109-2940	14,0 cm / 5 1/2"
MS 109-2941	18,0 cm / 7"
MS 109-2942	20,0 cm / 8"


LISTER

MS 109-2950	14,0 cm / 5 1/2"
MS 109-2951	18,0 cm / 7"



LISTER

MS 109-2960 15,0 cm / 6"
MS 109-2961 18,0 cm / 7"



LISTER

MS 109-2962 15,0 cm / 6"
MS 109-2963 18,0 cm / 7"



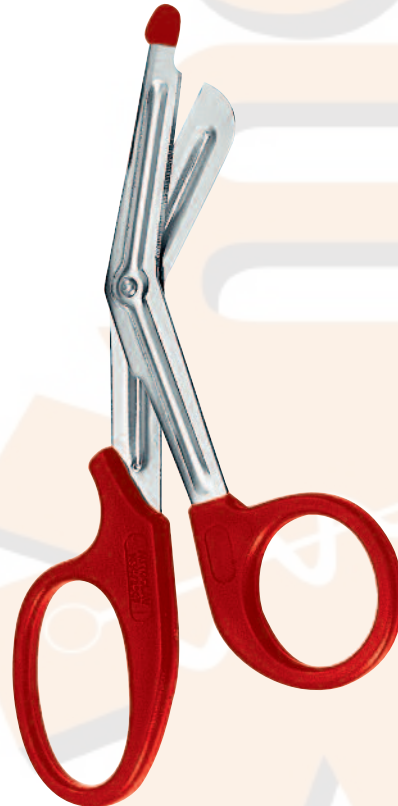
LISTER

MS 109-2964 15,0 cm / 6"
MS 109-2965 18,0 cm / 7"



LISTER

MS 109-2966 15,0 cm / 6"
MS 109-2967 18,0 cm / 7"



LISTER

MS 109-2968 15,0 cm / 6"
MS 109-2969 18,0 cm / 7"



LISTER

MS 109-2980 20,0 cm / 8"



EXCENTRIC

MS 109-2981 16 cm / 5 1/2"



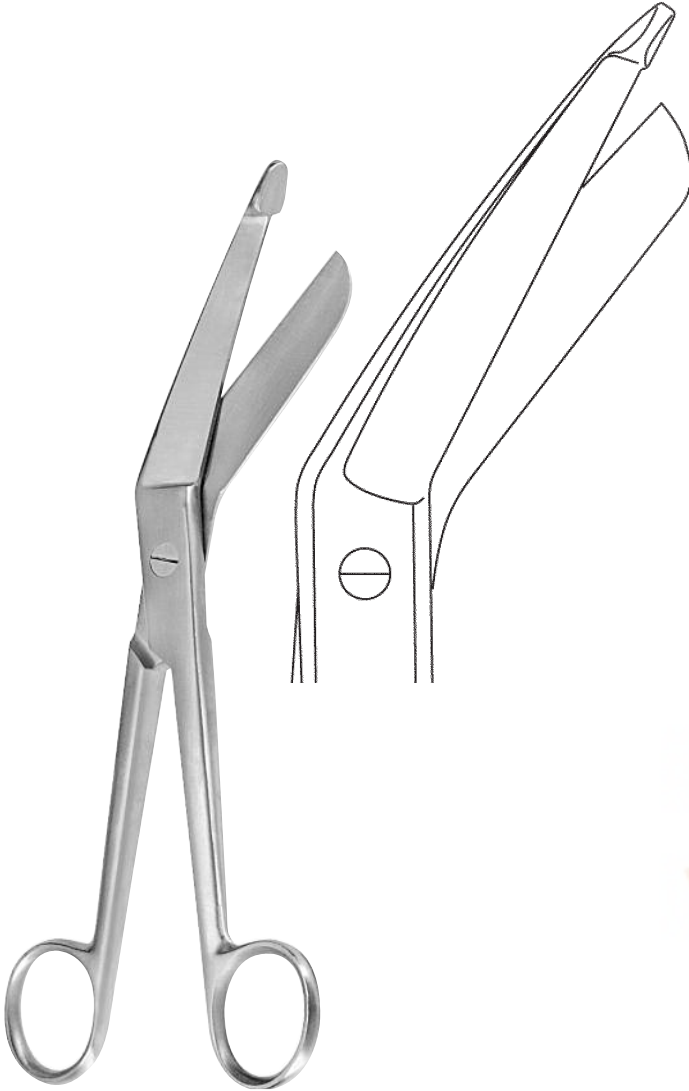
KNOWLES

MS 109-2990 14,0 cm / 5 1/2"



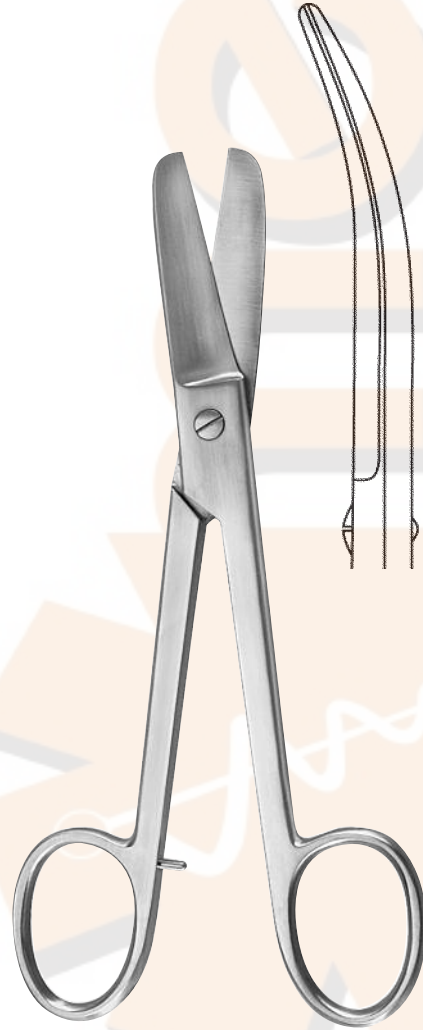
KNOWLES

MS 109-2991 14,0 cm / 5 1/2"



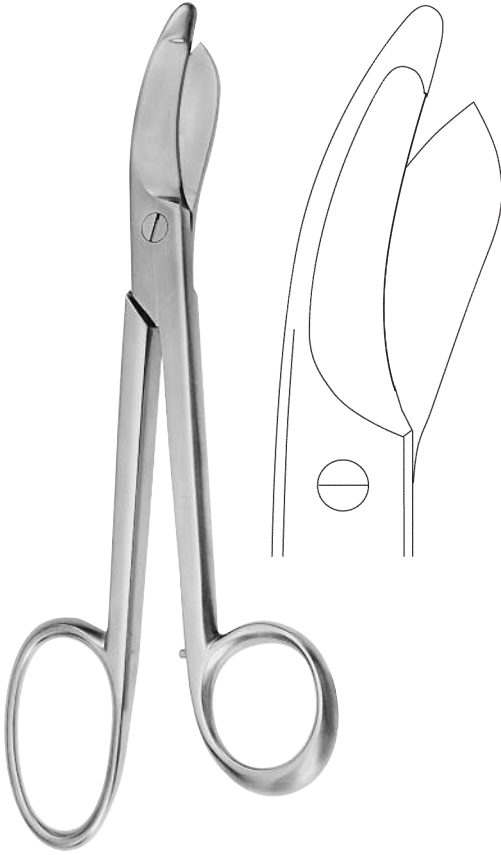
BERGMANN

MS 109-2992 23,0 cm / 9"



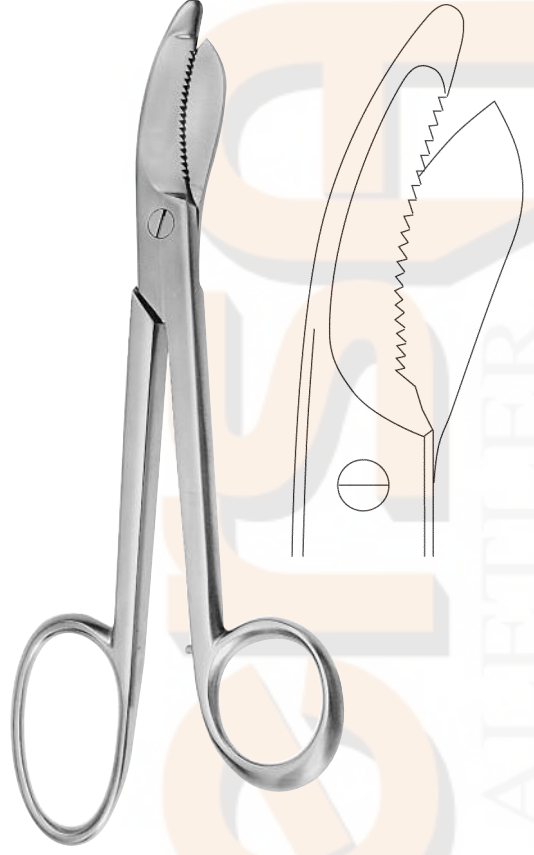
LORENZ

MS 109-2993 23,0 cm / 9"



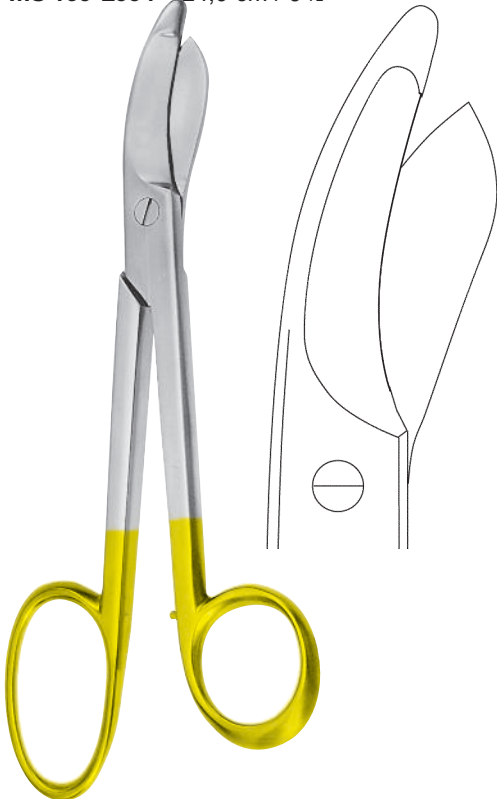
BRUNS

MS 109-2994 24,0 cm / 9 1/2"



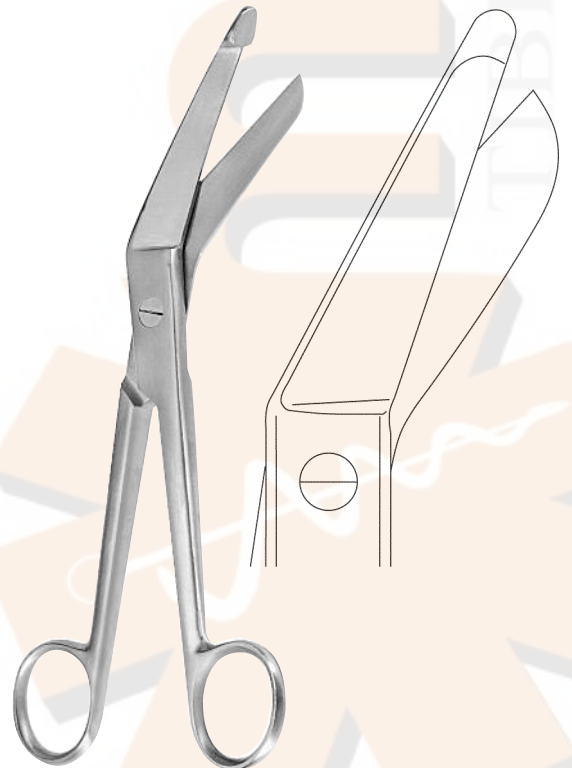
BRUNS

MS 109-2995 24,0 cm / 9 1/2"



BRUNS

MS 109-2996 24,0 cm / 9 1/2"



ESMARCH

MS 109-3000 20,0 cm / 8"

MS 109-3001 22,0 cm / 8 3/4"



SEUTIN

MS 109-3010 23,0 cm / 9"



MS 109-3011 20,0 cm / 8"



S ILLE

MS 109-3020 24,0 cm / 9½"



STILLE

MS 109-3021 23,0 cm / 9"

MS 109-3022 26,0 cm / 10¼"

MS 109-3023 37,0 cm / 14½"



ENGEL

MS 109-3030 14,0 cm / 5½"



BERGMANN

MS 109-3031 18,0 cm / 7"



HOPKINS

MS 109-3032 20,0 cm / 8"



ESMARCH

MS 109-3033 18,0 cm / 7"



REINER

MS 109-3034 18,5 cm / 7¼"



MOD. USA

MS 109-3035 23,0 cm / 9"



HENNIG

MS 109-3036 28,0 cm / 11"



WOLFF



MS 109-3040
18,0 cm / 7"



MS 109-3041
24,0 cm / 9½"

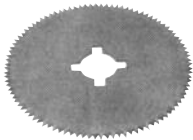


MS 109-3050 110 Volt
MS 109-3051 230 Volt

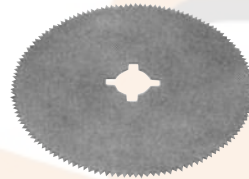
komple, 2 anahtar ile (MS 109-3060),
1 testere (MS 109-3062) ve 1 testere (MS 109-3061)

complete, with 2 spanners (MS 109-3060),
1 sawblade (MS 109-3062) and 1 sawblade (MS 109-3061).

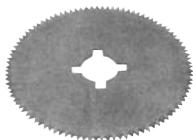
MS 109-3060



MS 109-3061 Ø 50 mm



MS 109-3062 Ø 65 mm



MS 109-3063 Ø 50 mm

Özel sertlik
Special hardness



MS 109-3064 Ø 65 mm

Özel sertlik
Special hardness