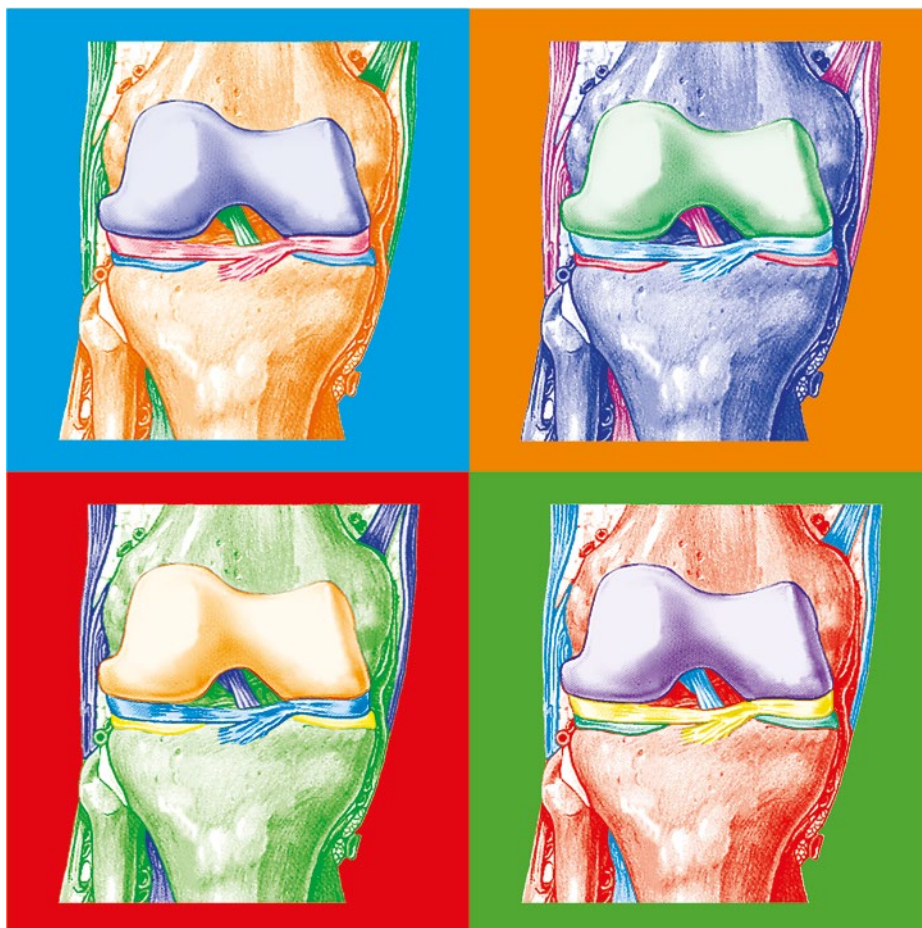




KNOCHEN - CHIRURGIE
BONE SURGERY
CIRURGIA ORTOPEDICA
CHIRURGIE OSSEUSE

ELCON
MEDICAL INSTRUMENTS GmbH

390 - 419

**KNOCHEN - CHIRURGIE
BONE SURGERY
CIRURGIA ORTOPEDICA
CHIRURGIE OSSEUSE**



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ELCON

A

ADSON	
- cranial rongeur	76
- periosteal elevator	24-26
ALDERDYCE	
- dissector	15
ALEXANDER	
- chisel	55
- gouge	55
ALEXANDER-FARABEUF	
- rib raspatory	37
Amputation retractors	2
Amputation saws	2
Antrum raspatories	42
AUFRANC-COBRA	
- bone lever	23
AUFRICHT	
- nasal rasp	41

B

BACON	
- cranial rongeur	76
BAILEY-DEMARTTEL	
- saw guide	4
Bandage scissors	9-12
BARTH	
- bone curette, double-ended	44
BEESON	
- cast breaker	13
BENNET	
- bone lever	23
BERGMANN	
- bandage scissor	9
BERRY	
- tungstengrip wire twister	91
BEYER	
- bone rongeur	74, 77
BIER	
- amputation saw	2
- saw blade	2
BLOUNT	
- bone lever	22
BLUMENTHAL	
- bone rongeur	74
BOEHLER	
- bone cutting forceps	83
- bone rongeur	77
- traction bows	92
Bone clamps	72
Bone curettes	45-50
- double-ended	43-45
Bone cutting forceps	82-86
Bone elevator	17
Bone files	38-41
Bone flap elevators	15
Bone holding forceps	64-72
Bone levers	17-23
Bone rasps	38-40
Bone rongeurs	73-81
Bone wire	90
BRAND	
- tendon holding forceps	86
BRISTOW	
- bone lever	22
BRUNS	
- bandage scissor	10
- bone curette	45, 47
- plaster scissor	11
BUCK-GRAMCKO	
- bone lever	17
BUCKLEY	
- gouge	56

- osteotome	56
BUECHS	
- raspatory	32
BUNNEL	
- hand drill	88

C

CAIRNS	
- bone flap elevator	15
CARROLL	
- osteotome	56
- tendon seizing forceps	86
Cartilage Clamps	64
CASPAR	
- bone curette	48
Cast Breakers	13
CHARRIERE	
- amputation saw	3
- saw blade	3
Chisels	54-56,
58, 61	
CLEVELAND	
- bone cutting forceps	82
- bone rongeur	76
COBB	
- spinal elevator	34
- spinal gouge	62
Combi flat nose pliers	94
Compression	
- bandage	1
- tube	1
CORWIN	
- wire twisting forceps with tungstengrip	91
COTTLE	
- elevator	29
- nasal rasp	41
- osteotome	57
COTTLE-MC KENTY	
- elevator	29
Cranial rongeurs	76
CUSHING	
- elevator	25
- raspatory	24-26

D

DEMEL	
- wire guide	90
- wire tightening forceps	90
DINGMANN	
- cartilage clamp	64
Dissectors	15
DOYEN	
- mallet	50
- rib raspatory	36
Drill handles	87
Drills	88

E

EAST GRINSTEAD	
- chisel	56
- osteotome	56
ECHLIN	
- bone rongeur	80
Electric plaster saw	6-8
Elevators	14-17,
25,	27-29
Elevator, spinal	36
ENGEL	
- plaster saw	5

ESMARCH		HILL	
- bandage scissor	9	- elevator	29
- compression bandage	1	HOEN	
- plaster knife	5	- elevator	25
EXCENTRIC		HOHMANN	
- bandage scissor	9	- bone lever	17, 19-22
Extracting forceps	94	HOPKINS	
		- plaster knife	5
		HOUSE	
		- bone curettes, double-ended	43
		HOWARTH	
		- elevator	28
F		I	
FARABEUF		Interlacing forceps	86
- bone holding forceps	68		
- raspatory	32		
FARABEUF-COLLIN		J	
- raspatory	32	JACOBSON	
FARABEUF-LAMBOTTE		- bone curettes, double-ended	44
- bone holding forceps	68	JANSEN	
FERGUSON		- bone curettes, double-ended	44
- bone holding forceps	65	- bone rongeur	74
Finger nail instruments		- raspatory	31
- compression	98	JOSEPH	
- extracting forceps	98	- nasal rasp	42
- ring saw	98	- raspatory	30
- splitting forceps	98		
Flat nose pliers	94-95	K	
FOMON with Tungstengrip		KAZANJIAN	
- bone rasp	40	- bone cutting forceps	82
FOMON (KLEINERT KUTZ)		KERN	
- bone rasp	39	- bone holding forceps	67
FOMON-MASING		KEY	
- bone rasp	39	- periosteal raspatory	33
Forceps		KILLIAN	
- bone holding	64-72	- elevator	28
- reposition	63-65	- gouge	54
FREER		KILLIAN-CLAUS	
- chisel	54	- gouge	54
- elevator	28	KIRSCHNER	
- gouge	54	- extension bow	92
FREER-YASARGIL		- wire	93
- elevator	28	KOENIG	
FRIEDMANN		- elevator	14, 24
- bone rongeur	73		
G		L	
GERSTER		LAHEY	
- traction bar	72	- bone holding forceps	66
GIGLI		LAMBOTTE	
- saw handle	4	- osteotome	57
Glabella rasps	41-43	- raspatory	32
Gouges	54-56, 58-62	LANDOLT	
		- raspatory	29
		LANE	
H		- bone holding forceps	67
HALLE		- bone lever	22
- elevator	27	LANE-THRETHOWAN	
Hammer	50-54	- bone lever	22
Hand drills	88	LANGE-HOHMANN	
Handles for drill	87	- bone lever	18
HARTMANN		LANGENBECK	
- bone rongeur	74	- bone holding forceps	65
HEATH		- elevator	16
- mallet	51	- finger saw	3
HENNING		- raspatory	31
- cast breaker	13	LEKSELL	
HEY-GROVES		- bone rongeur	80
- bone holding forceps	69	LEMPERT	
HIBBS			
- chisel	59		
- gouge	59		
- osteotome	59		

- bone rongeur	75	- raspatory	32
- elevator	30	MOLT	
- raspatory	27	- periosteal elevator	29
LEWIN		MURPHY-LANE	
- bone holding forceps	64	- bone lever	23
LEWIS			
- septum raspatory	42		
LEXER		N	
- gouge	60	Nail extracting forceps	98
- osteotome	60-62	Nail splitting forceps	98
- spongiosa gouge	61	Nasal rasps	41-43
LISTER EXCENTRIC		NORTHFIELD	
- bandage scissor	9, 11	- bone rongeur	75
LISTON			
- bone cutting forceps	82, 84		
LITTAUER-LISTON		O	
- bone cutting forceps	82	OBWEGGESER- FREER	
LORENZ		- elevator	28
- bandage scissor	10	OLIVECRONA	
LOUTE		- bone rongeur	76
- wire twisting instrument	90	- wire saw	4
LOVE-ADSON		OMBREDANNE	
- elevator	24	- hammer	51
LOWMAN		Osteotomes	54-62
- bone clamp	72		
LOWMAN-HOGLUND			
- bone clamp	72		
LUCAE		P	
- mallet	50	PARTSCH	
LUCAS		- chisel	55
- chisel	56	- gouge	55
- gouge	56	- mallet	51
LUER		- raspatory	26
- bone rongeur	73, 75	PENNYBAKER	
		- raspatory	25
M		PERCY	
Mallets	50-54	- amputation retractor	2
MALTZ		Periosteal elevators	24, 26, 29-31, 35
- nasal rasp	41	Periosteal raspatories	25-31, 33
MARQUART		PERTHES	
- bone rongeur	77	- reamer	87
MARTIN		PHILIPS	
- plaster knife	5	- screw driver	89
MATSON		Plaster breakers	12
- rib raspatory	37	plaster knives and saw	5
MAYFIELD		Plaster scissors	9-12
- bone rongeur	77	Plaster shears	10, 12
MC DONALD		Plaster spreaders	13
- dissector	15	PLESTER	
MC INDOE		- raspatory	26
- bone cutting forceps	83	Pump with manometer	1
MC KISSOCK		PUTTI	
- raspatory	31	- bone rasp	38
MEAD			
- bone rongeur	75	Q	
- mallet	50	QUERVAIN	
- periosteal elevator	29	- elevator	16
MEYER			
- reposition forceps	63		
Micro elevators	14	R	
MILLER		RADOLF	
- bone rasp	39	- nail extracting forceps	98
MINI FRIEDMANN		RALK	
- bone rongeur	73	- hand drill	88
MINI-LAMBOTTE		Raspatories	24-28, 29-36
- osteotome	57	Reamer	87
MINI-LANGENBECK		REILL	
- elevator	16	- reposition forceps	63
MINI-LEXER		Reposition forceps	63-65
- gouge	60	Resection saw	3
- osteotome	60	Rib raspatories	36-38
MITCHELLS			

ROETTGEN-RUSKIN		- chisel	58
- bone rongeur	78	- gouge	58
ROSE		- osteotome	58
- raspatory	26	- plaster shear	12
ROWLAND		STILLE-HORSLEY	
- bone cutting rongeur	83	- bone cutting forceps	85
RUBIO		STILLE LUER	
- wire twisting forceps with tungstengrip	91	- bone rongeur	79
RUSKIN		STOOKEY	
- bone rongeur	78	- cranial rongeur	76
RUSKIN-LISTON		Synovectomy rongeurs	73
- bone cutting rongeur	83		
RUSKIN-STILLE			
- bone rongeur	78		
		T	
S		Tampers	54
SATTERLEE		Tendon holding forceps	86
- amputation saw	3	Traction bar	72
- saw blade	3	Traction bows	
SAUERBRUCH		- for the arm	92
- bone rongeur	81	- for the leg	92
Saw	2-7	- for thigh and knee	92
Saw blades for electric saw	8	TUDOR EDWARDS	
Saw guides	4	- bone cutting forceps	85
SCHEDE		Tungstencut	
- bone curette	46	- bandage scissors	11
SCHNEIDER		- wire cutting pliers	96-98
- raspatory	31	- wire cutting scissors	11
SCHNEIDER-SAUERBRUCH		Tungstengrip	
- raspatory	31	- bone rasp	40
SCOVILLE		- flat nose pliers	94
- bone curette	49	- wire twister	91, 94
Screw driver	89		
SEBILEAU		U	
- elevator	14	Universal wire cutting scissor	11
SEDILLOT		ULRICH	
- raspatory	31	- bone holding forceps	69
SEMB		USA	
- bone cutting forceps	85	- plaster spreader	13
- bone holding forceps	66		
- bone rongeur	79		
- raspatory	37		
Septum raspatory	42	V	
Sequestrum forceps	65	VAN BUREN	
SEUTIN		- bone holding forceps	65
- bandage scissor	10	VERBRUGGE	
SEWALL		- bone holding forceps	70
- raspatory	27	- bone lever	20
SHEEHAN		VICKERS	
- osteotome	54	- mallet	50
SIMON		VOLKMANN	
- bone curette	46	- bone curettes	45
SMITH-PETERSON		- bone curettes, double-ended	43-45
- gouge	58		
- osteotome	58		
Spinal curettes	47	W	
Spinal elevators	34	WAGNER	
Spinal gouges	62	- bone lever	19
Spongiosa gouges	61	WARD	
SPINAL		- periosteal elevator	26
- bone curette	47	WATSON-CHEYNE	
SPRATT		- dissector	15
- bone curette	46	- elevator	15
ST. CLAIR THOMPSON		WATSON-JONES	
- raspatory	27	- bone lever	22
Steel wire	90	WIENER	
STEINMANN		- nasal rasp	42
- pin	92	WILLIGER	
STELLBRINK		- bone curettes	46
- synovectomy rongeur	73	- bone curettes, double-ended	43
STILLE		- elevator	14, 24
- bone rongeur	80	- mallet	51
		Wire cutting pliers	94,

96-98	
Wire cutting scissors	11
Wire dispenser	93
Wire guides	90
Wire saw	6
Wire tightener	90
Wire twister	91
Wires	
- double trocar point	93
- trocar point / round shaft	93
- trocar point / flat shaft	93
WOLF-BOEHLER	
- plaster breaker	12
Wrench	8

Z

ZAUFAL-JANSEN	
- bone rongeur	77

120		340-914	24			410-165	15	410-345	31
121-099	11	340-915	24	400		410-196	23	410-346	31
121-905	11	340-929	25	400-201	12	410-200	18	410-350	32
121-917	11	340-935	25	400-203	12	410-202	18	410-351	32
124-225	10	340-950	25	400-211	12	410-204	18	410-352	32
124-227	9	340-951	25	400-300	5	410-206	19	410-353	32
124-251	9	340-952	25	400-310	5	410-210	21	410-354	32
124-253	9	340-954	24	400-331	5	410-219	19	410-359	22
124-261	9	340-960	25	400-410	5	410-220	19	410-360	22
124-305	10	340-961	25	400-500	12	410-222	19	410-368	26
124-321	9	340-962	25	400-502	12	410-228	19	410-369	26
124-323	9	340-963	25	400-515	13	410-230	20	410-380	35
124-331	10	340-966	24	400-520	13	410-231	20	410-381	35
124-333	10	341-620	47	400-530	13	410-240	20	410-382	35
		341-621	47			410-241	20	410-383	35
		341-622	47	410		410-244	21	410-384	35
180		341-623	47	410-090	14	410-246	21	410-388	35
180-450	15	341-624	47	410-092	14	410-251	22	410-393-01	27
180-451	15	341-625	47	410-100	17	410-253	22	410-393-02	27
		341-626	47	410-102	17	410-254	22	410-395	31
200		341-627	47	410-104	17	410-256	22	410-400	38
200-900	91	341-628	47	410-105	17	410-262	22	410-402	39
200-902	91	341-630	47	410-106	17	410-265	23	410-410	38
200-904	91	341-631	47	410-107	17	410-270	23	410-411	38
200-906	91	341-632	47	410-108	17	410-271	23	410-420	38
200-908	91	341-633	47	410-109	17	410-285	23	410-430	39
200-910	91	341-634	47	410-112	14	410-285	35	410-431	39
200-912	91	341-635	47	410-114	14	410-286	23	410-432	39
200-914	91	341-636	47	410-116	14	410-287	23	410-450	46
200-922	91	341-637	47	410-117	14	410-287	35	410-451	46
200-926	91	341-638	47	410-119	14	410-300	24	410-452	46
		341-680	49	410-120	14	410-302	24	410-453	46
		341-681	49	410-121	15	410-306	24	410-460	44
250		341-683	49	410-122	16	410-3081	27	410-462	44
250-900	66	343-711	76	410-124	16	410-3082	27	410-476	43
250-901	66	343-711	76	410-126	16	410-3083	27	410-477	43
251-002-20	81	343-713	76	410-128	16	410-3084	27	410-478	43
251-002-20	81	343-713	76	410-1291	16	410-313	29	410-480	43
251-004-20	81	343-714	76	410-1292	16	410-315	26	410-481	43
251-004-20	81	343-781	80	410-1293	16	410-318	32	410-482	43
251-100	37	343-783	80	410-1294	16	410-320	32	410-485	44
251-101	37	343-785	79	410-130	16	410-324	31	410-486	44
251-102	37			410-132	16	410-325	31	410-487	44
251-104	37			410-134	16	410-327	31	410-490	43
251-105	37	390		410-140	34	410-330-04	32	410-492	43
251-107	37	390-122	1	410-141	34	410-330-06	32	410-494	43
251-122	37	390-300	2	410-142	34	410-330-08	32	410-496	44
251-132	36	390-302	2	410-143	34	410-330-10	32	410-498	44
251-133	36	390-400	3	410-144	34	410-330-12	32	410-510	45
251-134	36	390-410	3	410-145	34	410-330-14	32	410-511	45
251-135	36	390-411	3	410-146	34	410-330-16	32	410-512	45
251-136	36	390-420	3	410-147	34	410-331-04	32	410-513	45
251-136	36	390-421	3	410-148	34	410-331-06	32	410-514	45
251-137	36	390-430	3	410-149	34	410-331-08	32	410-515	45
251-140	37	390-431	3	410-151	33	410-331-10	32	410-516	45
		390-432	3	410-152	33	410-331-12	32	410-517	45
340		390-440	2	410-153	33	410-331-16	32	410-518	45
340-835	4	390-441	2	410-155	33	410-336	32	410-519	45
340-910	25	390-442	2	410-156	33	410-337	32	410-520	47
340-912	24	390-443	2	410-160	15	410-340	31	410-521	47
340-913	24	390-500	4			410-342	31	410-522	47
		390-501	4						

**NUMERISCHER INDEX
NUMERIC INDEX
ÍNDICE NUMÉRO
INDEX NUMERIQUE**

ELCON

410-523	47	410-595	49	410-902	55	411-083	62	411-207	57
410-524	47	410-596	49	410-903	55	411-100	59	411-210	57
410-525	47	410-604	51	410-904	55	411-102	59	411-211	57
410-526	47	410-606	51	410-910	55	411-104	59	411-212	57
410-527	47	410-607	51	410-911	55	411-106	59	411-213	57
410-528	47	410-608	51	410-912	55	411-108	59	411-214	57
410-530	47	410-613	51	410-913	55	411-120	59	411-215	57
410-531	47	410-614	51	410-914	55	411-122	59	411-216	57
410-532	47	410-616	51	410-930	55	411-124	59	411-217	57
410-533	47	410-618	50	410-931	55	411-126	59	411-220	57
410-534	47	410-620	50	410-932	55	411-128	59	411-221	57
410-535	47	410-621	50	410-933	55	411-130	59	411-222	57
410-536	47	410-623	50	410-934	55	411-132	59	411-223	57
410-537	47	410-624	50	410-940	55	411-134	59	411-224	57
410-538	47	410-625	50	410-941	55	411-136	59	411-225	57
410-540	45	410-626	50	410-942	55	411-138	59	411-226	57
410-541	45	410-628	50	410-943	55	411-140	59	411-227	57
410-542	45	410-629	50	410-944	55	411-142	59	411-228	57
410-543	45	410-632	52	410-960	55	411-144	59	411-229	57
410-544	45	410-634	52	410-961	55	411-146	59	411-230	57
410-545	45	410-637	52	410-962	55	411-148	59	411-231	57
410-546	45	410-646	52	410-963	55	411-150	59	411-232	57
410-547	45	410-648	53	410-964	55	411-152	59	411-240	57
410-548	45	410-656	53	410-965	55	411-154	59	411-241	57
410-549	45	410-660	51	410-970	55	411-156	59	411-242	57
410-560	46	410-682	54	410-971	55	411-158	59	411-243	57
410-561	46	410-683	54	410-972	55	411-160-06	58	411-244	57
410-562	46	410-684	54	410-973	55	411-160-09	58	411-245	57
410-563	46	410-685	54	410-974	55	411-160-13	58	411-246	57
410-564	46	410-686	54	410-975	55	411-160-16	58	411-247	57
410-565	46	410-688	54	411-000	60	411-160-19	58	411-248	57
410-566	46	410-689	54	411-001	60	411-160-25	58	411-249	57
410-5710	46	410-690	54	411-002	60	411-160-32	58	411-250	57
410-5711	46	410-720-04	56	411-003	60	411-161-06	58	411-251	57
410-5712	46	410-720-06	56	411-004	60	411-161-09	58	411-252	57
410-5713	46	410-722-03	56	411-010	60	411-161-13	58	411-2602	56
410-5740	45	410-722-04	56	411-011	60	411-161-16	58	411-2603	56
410-5741	45	410-722-05	56	411-012	60	411-161-19	58	411-2604	56
410-5742	45	410-796	58	411-013	60	411-161-25	58	411-2612	56
410-5743	45	410-798	58	411-014	60	411-161-32	58	411-2613	56
410-5744	45	410-800	58	411-020	60	411-162-06	58	411-2614	56
410-5745	45	410-802	58	411-021	60	411-162-09	58	411-2620	61
410-5746	45	410-804	58	411-022	60	411-162-13	58	411-2621	61
410-5747	45	410-806	58	411-023	60	411-162-16	58	411-2622	61
410-5748	45	410-808	58	411-024	60	411-162-19	58	411-2623	61
410-5749	45	410-816	58	411-025	60	411-162-25	58	411-2624	61
410-5769	45	410-818	58	411-030	60	411-162-32	58	411-2625	61
410-5770	45	410-820	58	411-031	60	411-163-06	58	411-2626	61
410-5771	45	410-822	58	411-032	60	411-163-09	58	411-2627	61
410-5772	45	410-824	58	411-033	60	411-163-13	58	411-2628	61
410-5773	45	410-826	58	411-034	60	411-163-16	58	411-2629	61
410-5774	45	410-828	58	411-035	60	411-163-19	58	411-300	65
410-5775	45	410-836	58	411-050	61	411-163-25	58	411-301	65
410-5776	45	410-838	58	411-051	61	411-163-32	58	411-303	63
410-5786	45	410-840	58	411-052	61	411-200	57	411-3046	63
410-583	49	410-842	58	411-053	61	411-201	57	411-305	65
410-584	49	410-844	58	411-054	61	411-202	57	411-307	63
410-585	49	410-846	58	411-055	61	411-203	57	411-308	63
410-586	49	410-848	58	411-080	62	411-204	57	411-309	64
410-593	49	410-900	55	411-081	62	411-205	57	411-310	64
410-594	49	410-901	55	411-082	62	411-206	57	411-3121	63

411-313	63	411-543	73	411-710	82	413-134	95	416-0525	92
411-316	66	411-546	75	411-749	82	413-135	95	416-0530	92
411-317	66	411-547	75	411-751	82	413-140	96	419-0038	93
411-318	66	411-548	75	411-800	83	413-146	96	419-0040	93
411-319	64	411-549	75	411-801	83	413-150	94	419-0042	93
411-320	65	411-553	75	411-810	83	413-152	94	419-0044	93
411-322	65	411-567	74	411-811	83	413-153	94	419-0045	93
411-324	65	411-565	74	411-820	83	413-154	94	419-0046	93
411-330	64	411-569	74	411-821	83	413-158	95	419-0048	93
411-340	68	411-570-01	73	411-822	83	413-160	95	419-0050	93
411-341	68	411-570-02	73	411-823	83	413-161	95	419-0052	93
411-342	68	411-570-03	73	411-829	84	413-165	95	419-0055	93
411-345	69	411-570-04	73	411-830	84	413-170	94	419-0060	93
411-346	69	411-575	73	411-831	84	413-171	94	419-0138	93
411-347	69	411-577	73	411-833	84	413-172	94	419-0140	93
411-350	67	411-583	75	411-840	85	413-173	94	419-0142	93
411-351	67	411-589	75	411-850	85	413-174	94	419-0144	93
411-352	67	411-593	76	412-006	98	413-177	94	419-0145	93
411-353	67	411-595	76	412-010	98	413-178	94	419-0146	93
411-356	67	411-600	77	412-033	98	413-179	94	419-0148	93
411-357	67	411-601	77	412-034	98	413-186	96	419-0150	93
411-370	70	411-602	77	412-090SS	98	413-192	96	419-0152	93
411-371	70	411-603	77	412-127	86	413-193-15	96	419-0155	93
411-372	70	411-605	77	412-158	86	413-193-18	96	419-0160	93
411-373	70	411-611	77	412-159	86	413-195	96	419-0308	93
411-375	71	411-613	77	412-180	86	413-198	97	419-0310	93
411-376	71	411-614	77	412-182	86	413-199	97	419-0312	93
411-377	71	411-615	77	412-412	87	413-202	97	419-0314	93
411-378	71	411-617	77	412-500	88	413-600	92	419-0315	93
411-379	71	411-619	77	412-510	88	413-601	92	419-0316	93
411-390	69	411-620	78	412-520	88	413-602	92	419-0318	93
411-391	69	411-620	78	412-538	87	413-650	92	419-0320	93
411-392	69	411-621	78	412-580	87	413-651	92	419-0322	93
411-392	69	411-624	78	412-581	87	413-661	92	419-0325	93
411-393	69	411-625	78	412-586	87	413-662	92	419-0330	93
411-394	69	411-625	78	412-588	87	413-663	92	419-1138	93
411-394	69	411-631	78	412-600	89	414-643	48	419-1140	93
411-395	69	411-632	78	412-601	89	414-643	48	419-1142	93
411-400	72	411-633	78	412-602	89	414-644	48	419-1144	93
411-401	72	411-641-03	80	412-603	89	414-645	48	419-1145	93
411-402	72	411-641-05	80	412-604	89	414-653	48	419-1146	93
411-403	72	411-641-08	80	412-606	89	414-654	48	419-1148	93
411-411	72	411-645-03	80	412-608	89	414-655	48	419-1150	93
411-412	72	411-645-05	80	412-610	89	414-734	48	419-1152	93
411-450	72	411-645-08	80	413-002	90	414-735	48	419-1155	93
411-503	74	411-651	80	413-003	90	414-743	48	419-1160	93
411-505	73	411-660	79	413-004	90	414-743	48	419-1308	93
411-507	73	411-661	79	413-005	90	414-744	48	419-1310	93
411-509	73	411-670	79	413-006	90	414-744	48	419-1312	93
411-510	74	411-671	79	413-007	90	414-754	48	419-1314	93
411-511	74	411-672	79	413-008	90	414-755	48	419-1315	93
411-513	74	411-673	79	413-009	90	414-756	48	419-1316	93
411-520	75	411-681	79	413-010	90	416-0508	92	419-1318	93
411-521	75	411-700	82	413-012	90	416-0510	92	419-1320	93
411-522	75	411-701	82	413-015	90	416-0512	92	419-1322	93
411-523	75	411-702	82	413-062	90	416-0514	92	419-1325	93
411-527	74	411-703	82	413-065	90	416-0515	92	419-1330	93
411-529	74	411-704	82	413-072	90	416-0516	92	419-2038	93
411-535	76	411-705	82	413-100	90	416-0518	92	419-2040	93
411-539	73	411-706	82	413-120	90	416-0520	92	419-2042	93
411-541	73	411-707	82	413-130	95	416-0521	92	419-2044	93

NUMERISCHER INDEX
 NUMERIC INDEX
 ÍNDICE NUMÉRO
 INDEX NUMERIQUE

ELCON

419-2045	93	431-481-01	43	450-322	57	04-MST-00010	8
419-2046	93	431-481-02	43	450-323	57	04-MST-00011	8
419-2048	93	431-481-03	43	450-324	57	04-MST-00013	6
419-2050	93	431-481-04	43	450-325	57	04-MST-00012	8
419-2052	93	431-482-01	43	450-326	57	04-MST-00014	8
419-2055	93	431-515	30	450-328	57	04-MST-00015	8
419-2060	93	431-517	30	450-330	57	04-MST-00016	8
419-2138	93			450-332	57	04-MST-00017	8
419-2140	93	440		450-334	57	04-MST-00016	8
419-2142	93	440-500	54	450-335	57	04-MST-00017	8
419-2144	93	440-501	54	450-336	57	04-MST-00018	8
419-2145	93	440-504	54	450-337	57	04-MST-00019	8
419-2146	93	440-530	56	450-500	42	04-MST-00020	8
419-2148	93	440-532	56	450-501	42	04-MST-00021	8
419-2150	93	440-534	56	450-510	41	04-MST-00022	8
419-2152	93	440-536	56	450-512	42	04-MST-00023	7
419-2155	93	440-540	56	450-513	42	04-MST-00027	7
419-2160	93	440-542	56	450-518	41	04-MST-00029	7
419-2208	93	440-544	56	450-519	41	04-MST-00030	7
419-2210	93	440-546	56	450-520	41		
419-2212	93	440-591	54	450-530	41		
419-2214	93	440-593	54	450-531	41		
419-2215	93	440-602	28	450-531	41		
419-2216	93	440-603	28	450-540	39		
419-2218	93	440-611	27	450-542	39		
419-2220	93	440-612	27	450-548	39		
419-2222	93	440-614	26	450-590	40		
419-2225	93	440-615	28	450-591	40		
419-2230	93	440-616	28	450-592	40		
419-2308	93	440-618	27	450-593	40		
419-2310	93	440-620	28	450-594	40		
419-2312	93	440-621	28	450-698	30		
419-2314	93	440-626	28	450-700	30		
419-2315	93	440-627	28	450-701	30		
419-2316	93	440-636	27	450-702	30		
419-2318	93	440-637	27	450-703	30		
419-2320	93	440-660	29	450-706	30		
419-2322	93	440-665	29	450-707	30		
419-2325	93	440-666	29	450-708	29		
419-2330	93	441-111	42	450-732	29		
419-5418-08	93	441-113	42	450-733	29		
419-5418-10	93	441-290	46	450-740	26		
419-5418-12	93	441-291	46	450-741	26		
419-5418-14	93	441-292	46	451-120	82		
419-5418-16	93	441-293	46	452-270	28		
419-5418-18	93	441-294	46	452-271	28		
419-5418-20	93	441-295	46	453-103	56		
419-5418-22	93	441-296	46	453-105	56		
419-5418-25	93	441-297	46	453-113	56		
419-5433-08	93			453-115	56		
419-5433-10	93						
419-5433-12	93	450		470			
419-5433-14	93	450-302	54	470-930	15		
419-5433-16	93	450-304	54				
419-5433-18	93	450-306	54				
419-5433-20	93	450-308	54	04-XXX-XXXXX			
419-5433-22	93	450-310	54	04-MST-00001	6		
419-5433-25	93	450-312	54	04-MST-00004	8		
		450-319	57	04-MST-00005	8		
		450-320	57	04-MST-00006	8		
		450-321	57	04-MST-00007	8		
				04-MST-00008	8		
				04-MST-00009	8		
430							
431-480-01	43						



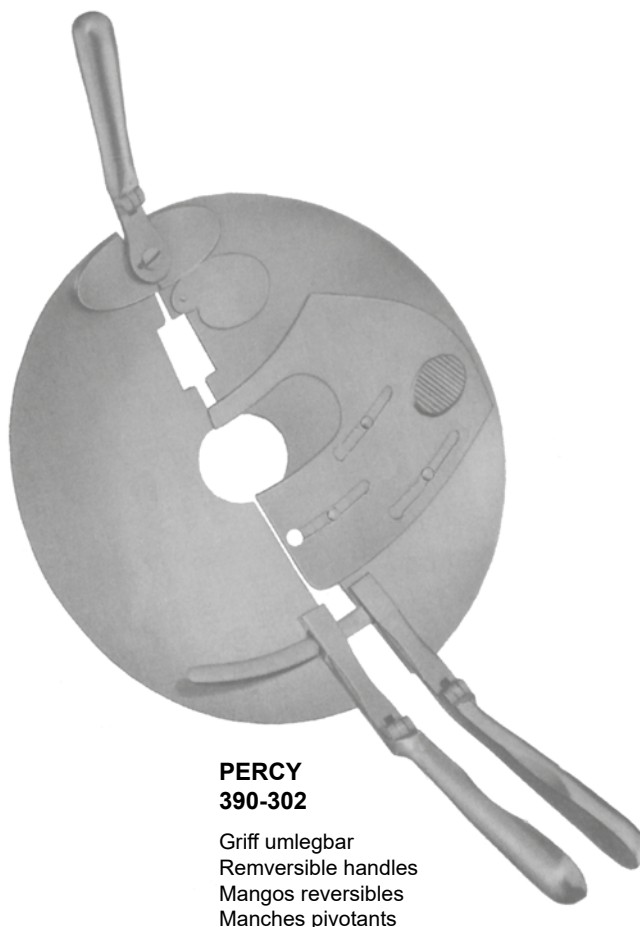
ESMARCH
390-122

Staubinde 5m lang und 100mm breit
Compression bandage 5m long and 100mm wide
Venda-compresión 5m largo y 100mm ancho
Bande compressive 5m long et 100mm large



**PERCY
390-300**

Griff abnehmbar
Removable handles
Mangos desmontables
Manches démontables



**PERCY
390-302**

Griff umlegbar
Remversible handles
Mangos reversibles
Manches pivotants



**BIER
390-440**

390mm, 15 3/8"

komplett mit je 1 Sägeblatt 4mm, 6mm, 8mm
complete with 1 each saw blade 4mm, 6mm, 8mm
completo con 1 hoja de 4mm, 6mm, 8mm
complet avec 1 lame de 4mm, 6mm, 8mm

390-441 4mm
390-442 6mm
390-443 8mm

Ersatzsägeblatt (kein Medizinprodukt)
spare saw blade (no medical device)
hoja de repuesto (no es un producto sanitario)
lame de rechange (pas de produit médical)



LANGENBECK

390-400 235mm, 9 1/2"

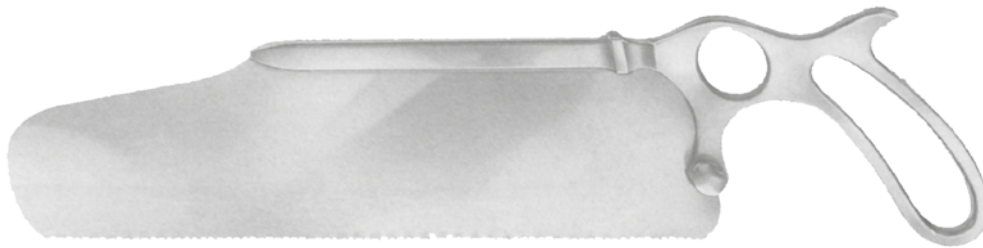


CHARRIERE

390-410 270mm, 10 3/4"

390-400

Ersatzsägeblatt (kein Medizinprodukt)
spare saw blade (no medical device)
hoja de repuesto (no es un producto sanitario)
lame de rechange (pas de produit médical)



SATTERLEE

390-420 300mm, 12"

390-421

Ersatzsägeblatt (kein Medizinprodukt)
spare saw blade (no medical device)
hoja de repuesto (no es un producto sanitario)
lame de rechange (pas de produit médical)



CHARRIERE

390-430 350mm, 13 3/4"

komplett mit je 1 Sägeblatt 12mm, 18mm
complete with 1 each saw blade 12mm, 18mm
completo con 1 hoja de 12mm, 18mm
complet avec 1 lame de 12mm, 18mm

390-431 12mm

390-432 18mm

Ersatzsägeblatt (kein Medizinprodukt)
spare saw blade (no medical device)
hoja de repuesto (no es un producto sanitario)
lame de rechange (pas de produit médical)

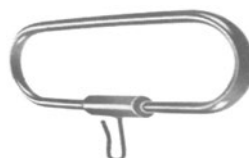


BAILEY-DEMARTEL
340-835
330mm, 13"



GIGLI
390-500

Paar
pair
paire
par



GIGLI
390-501

Paar
pair
paire
par



MARTIN
400-331 210mm, 8 1/4"



ENGEL
400-410 150mm, 6"



HOPKINS
400-300 200mm, 8"



ESMARCH
400-310 180mm, 7"

04-MST-00001 Plaster Saw, 230 V / 50-60 Hz

complete with:

- 1 x sawblade Ø 50mm for standard plaster (04-MST-00004)
- 1 x sawblade Ø 65mm (04-MST-00007)
- 1 x pair of wrenches
- 1 x instruction manual

TECHNICAL DATA

- ☐ 500 Watt power
- ☐ 3500 bis 24000 oscillations, infinitely variable
- ☐ Fully automatic power-compensation
- ☐ Slim motor design with silent motor 52 – 77 dB(A)
- ☐ Soft Start at switch-on to minimize accident risk and to save all mechanical and electronical components
- ☐ Safety ON / OFF switch
- ☐ Weight only 1,25 kg without cable
- ☐ Vibration- and maintenance-free
- ☐ 5 meter cable with EU-connection, 230 Volt
- ☐ 3 meter cable with US-connection, 110 Volt
- ☐ Double protection isolation according to class II, medical use of type BF
- ☐ Radio and TV suppressed
- ☐ CE conformity
- ☐ EN 60601-1, EN 60601-1-2, IEC 60601-1,
- ☐ 2 years warranty / 1 year guarantee on engine and transmission part (in case of proper use)



04-MST-00013 Transport case, plastic

04-MST-00001 Sierra de yeso electrica, 230 V / 50-60 Hz

Completo con:

- 1 x hoja Ø 50mm para yeso normal (04-MST-00004)
- 1 x hoja Ø 65mm para yeso normal (04-MST-00004)
- 1 x Juego de llaves 11mm / 1 x manual de instrucciones

DATOS TECNICOS

- ☐ 500 vatios potencia
- ☐ 3500 hasta 24000 oscilaciones, infinitamente regulable
- ☐ Compensación de alimentación automática
- ☐ Delgado diseño del motor con motor silencioso 52-77 dB(A)
- ☐ Nuevo sistema electronica con varias funciones de protección y seguridad
- ☐ Conector de seguridad ON / OFF
- ☐ Peso solamente 1,25 kg sin cable
- ☐ Sin vibraciones y mantenimiento
- ☐ 5 metros de cable con conexión EU, 230 voltios
- ☐ 3 metros de cable con conexión US, 110 voltios
- ☐ Isolación doble protección según clase II, uso medical del tipo BF
- ☐ TV y radio suprimido / ☐ Conformidad de CE
- ☐ Testado según EN 60601-1, EN 60601-1-2, IEC 60601-1,
- ☐ 2 años de garantía / 1 año de garantía al motor & parte de transmisión (en caso de uso adecuado)

04-MST-00013 Maleta de transporte, plástica

04-MST-00001 Scie à plâtre, 230 V / 50-60 Hz

complète avec :

- 1 x lame de scie Ø 50mm (04-MST-00004)
- 1 x lame de scie Ø 65mm (04-MST-00004)
- 1 x paire de clés 11mm / 1 x mode d'emploi

DATES TECHNIQUES

- ☐ puissance 500 watt
- ☐ 3500 à 24000 oscillations, réglable en continu
- ☐ compensation autom. de puissance
- ☐ design mince du moteur avc. moteur silencieux 52-77dB(A)
- ☐ démarrage doux pour réduire risque d'accident et pour protéger les éléments mécaniques et électroniques
- ☐ commutateur de sécurité ON / OFF
- ☐ poids seulement 1,25 kg, sans câble
- ☐ exempt de vibrations et entretien pas nécessaire
- ☐ câble de 5 m avec connexion CE, 230 volt
- ☐ câble de 3 m avec connexion USA, 110 volt
- ☐ protection double d'isolation conformément à classe II, utilisation médicale type BF
- ☐ ondes radio et TV supprimées / ☐ conformité CE
- ☐ conformité EN 60601-1, EN 60601-1-2, IEC 60601-1,
- ☐ 2 ans de garantie / 1 an pour moteur et élément de transmission (lors d'utilisation conforme)

04-MST-0013 Mallette en plastique, pour transport



04-MST-00023 Plaster Saw (400-450) with dust collector, 230 V / 50-60 Hz

complete with:

- 1 x sawblade Ø 50mm for standard plaster (04-MST-00004)
- 1 x sawblade Ø 65mm (04-MST-00004)
- 1 x pair of wrenches / 1 x HEPA Filter

TECHNICAL DATA - dust collector

- ☐ 400 - 750 Watt power, vacuum motor
- ☐ Continuous Power Output max. 1200 Watt,
- ☐ Max. Power Output 1450 Watt PT,
- ☐ HEPA-Filter 99,97% of all particles which are
 >= 0,3 micron are filtered
- ☐ Automatic turn on/off of the cleaner with
 the turn on/off of the plaster saw
- ☐ When plaster saw is turned off, the cleaner will
 go off 6-10 sec. later to clean the whole system
- ☐ Max. vacuum 2100mm/H₂O, vacuum motor
- ☐ Max. vacuum 1900mm/H₂O, vacuum machine
- ☐ Air flow motor 62 lt./sec. in the machine, due to
 all the filters the air flow goes down to 40 lt./sec.
- ☐ Electronic power control 500 W – 1200 W
- ☐ Max. total power (system) 1600 Watt, controlled
- ☐ Noise level vacuum only, 63 – 69 dB(A)
- ☐ Antistatic cleaner tube
- ☐ Control lamp for full dust bag
- ☐ Cleaner tube is in the pipe and not on the floor

04-MST-00027 HEPA Filter

04-MST-00028 Dust Bag

04-MST-00029 Perfume Stick

04-MST-00030 Motor Filter

04-MST-00023 Sierra de yeso electrica (400-450) con aspirador, 230 V

Completo con:

- 1 x hoja Ø 50mm para yeso normal (04-MST-00004)
- 1 x hoja Ø 65mm para yeso normal (04-MST-00004)
- 1 x Juego de llaves 11mm / 1 x manual de instrucciones

DATOS TECNICOS - con aspirador

- ☐ 400 - 750 vatios potencia, motor vacío
- ☐ Potencia continua de salida max. 1200 vatios
- ☐ Max. potencia de salida 1450 vatios PT
- ☐ Filtro HEPA 99,97% de todas las partículas cuales son
 >= 0,3 micron son filtradas
- ☐ Encendido / Apagado automático de la aspiradora junto
 con encendido / apagado de la sierra de yeso
- ☐ Cuando la sierra de yeso esta apagada la aspiradora se
 apagará 6-10 sec. después para limpiar todo el sistema
- ☐ Max. vacío 2100mm/H₂O, motor vacío
- ☐ Max. vacío 1900mm/H₂O, maquina vacío
- ☐ Flujo del aire del motor 62 lt./sec. en la maquina debido a
 los filtros el flujo del aire se baja a 40 litros./sec.
- ☐ Control electronico de potencia 500 vatios – 1200 vatios
- ☐ Max. potencia total (sistema) 1600 vatios, controlado
- ☐ Nivel de ruido solo del vacío 63 – 69 dB(A)
- ☐ Tubo del aspirador antiestático
- ☐ Lampara de control para bolsa de polvo
- ☐ Manguera del aspirador es dentro del tubo y no al suelo

04-MST-00027 Filtro HEPA

04-MST-00028 Bolsa de polvo

04-MST-00029 Palo de perfume

04-MST-00030 Filtro para el motor

04-MST-00023 Scie à plâtre (400-450) avec aspirateur, 230 V / 50-60 Hz

complète avec :

- 1 x lame de scie Ø 50mm (04-MST-00004)
- 1 x lame de scie Ø 65mm (04-MST-00004)
- 1 x paire de clés 11mm / 1 x mode d'emploi

DATES TECHNIQUES - aspirateur

- ☐ puissance 400 - 750 watt, moteur vacuum
- ☐ sortie puissance continue max. 1200 watt
- ☐ sortie puissance max. 1450 Watt PT
- ☐ filtre HEPA - filtration de 99,97% de tous particules
 >= 0,3 micron
- ☐ démarrage / arrêt automatique de l'aspirateur
 dépendant du démarrage / de l'arrêt de la scie
- ☐ pour nettoyage du système entier, l'aspirateur
 s'arrête avec une temporisation de 6-10 sec. après
 arrêt de la scie à plâtre
- ☐ construction robuste pour charge élevée
- ☐ vacuum max. 2100mm/H₂O, moteur vacuum
- ☐ vacuum max. 1900mm/H₂O, machine vacuum
- ☐ débit air moteur 62 lt./sec. dans la machine ; les
 filtres contenus réduisent ce débit à 40 lt./sec.
- ☐ commande puissance électronique 500 W – 1200 W
- ☐ puissance max. totale (système) 1600 Watt, contrôlée
- ☐ niveau du bruit - seulement vacuum 63 – 69 dB(A)
- ☐ lampe de contrôle pour sac collecteur poussière plein

04-MST-00027 Filtre HEPA

04-MST-00028 Sac collecteur poussière

04-MST-00029 Stick perfume

04-MST-00030 Filtre moteur



Sägeblätter, für standardgips
Saw Blades, for standard plaster
Hojas para yeso normal
Lames de scie, pour plâtre standard

04-MST-00010 Ø 45mm
04-MST-00004 Ø 50mm
04-MST-00007 Ø 65mm



Sägeblätter, für standardgips
Saw Blades, for standard plaster
Hojas para yeso normal
Lames de scie, pour plâtre standard

04-MST-00014 Ø 65mm



Sägeblätter, für standardgips
Saw Blades, for standard plaster
Hojas para yeso normal
Lames de scie, pour plâtre standard

04-MST-00016 Ø 65mm

Sägeblätter, für synthetischengips
Saw Blades, for synthetic casts
HOJAS, para vendajes sintéticos
Lames de scie, pour bandage synthétique

04-MST-00011 Ø 45mm
04-MST-00005 Ø 50mm
04-MST-00008 Ø 65mm

Sägeblätter, für synthetischengips
Saw Blades, for synthetic casts
HOJAS, para vendajes sintéticos
Lames de scie, pour bandage synthétique

04-MST-00015 Ø 65mm

Sägeblätter, für synthetischengips
Saw Blades, for synthetic casts
HOJAS, para vendajes sintéticos
Lames de scie, pour bandage synthétique

04-MST-00017 Ø 65mm

Sägeblätter, PTFE antihaft beschichtet
Saw Blades, PTFE non-stick coating
HOJAS, antiadherente PTFE
Lames de scie, PTFE, avec revêtement anti-adhérent

04-MST-00006 Ø 50mm
04-MST-00009 Ø 65mm



Excentrische Scheibe,
zur Schnitttiefenregulierung
Eccentric disc,
to limit cutting depth
Disco de Excéntrico
para limitar la profundidad del corte
Disque excentrique, pour
limitation de profondeur de coupe

04-MST-00022



Sägeblätter, für standardgips
Saw Blades, for standard plaster
Hojas para yeso normal
Lames de scie, pour plâtre standard

04-MST-00018 8mm



Sägeblätter, für standardgips
Saw Blades, for standard plaster
Hojas para yeso normal
Lames de scie, pour plâtre standard

04-MST-00020 20mm

Spannschlüssel 11mm
Wrench, pair 11mm
Juego de llaves 11mm
Clés, paire, 11mm



04-MST-00012

Sägeblätter, für synthetischengips
Saw Blades, for synthetic casts
HOJAS, para vendajes sintéticos
Lames de scie, pour bandage synthétique

04-MST-00019 8mm

Sägeblätter, für synthetischengips
Saw Blades, for synthetic casts
HOJAS, para vendajes sintéticos
Lames de scie, pour bandage synthétique

04-MST-00021 20mm



ein Blatt gezahnt
one serrated blade
una hoja dentada
une lame dentelée

LISTER EXCENTRIC
124-261
160mm, 6 1/4"



124-251 180mm, 7"
124-253 140mm, 5 1/2"



BERGMANN
124-227
230mm, 9"



ESMARCH
124-321 200mm, 8"
124-323 220mm, 8 3/4"



LORENZ
124-225
240mm, 9 1/2"



SEUTIN
124-305
230mm, 9"



BRUNS
124-331
240mm, 9 1/2"

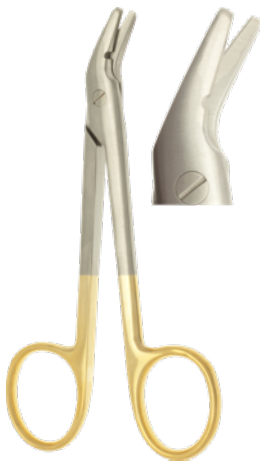


BRUNS
124-333
240mm, 9 1/2"

gezahnt
serrated
dentada
dentelée

Scheren mit Hartmetallschneiden, Scissors with tungsten carbide edges
Tijeras con filos de carburo tungsteno, Ciseaux avec des lames en tungstène

TUNGSTENCUT



gezahnt
serrated edge
estriada
dentalés

UNIVERSAL
121-099
120mm, 4 3/4"



LISTER
121-905
180mm, 7"

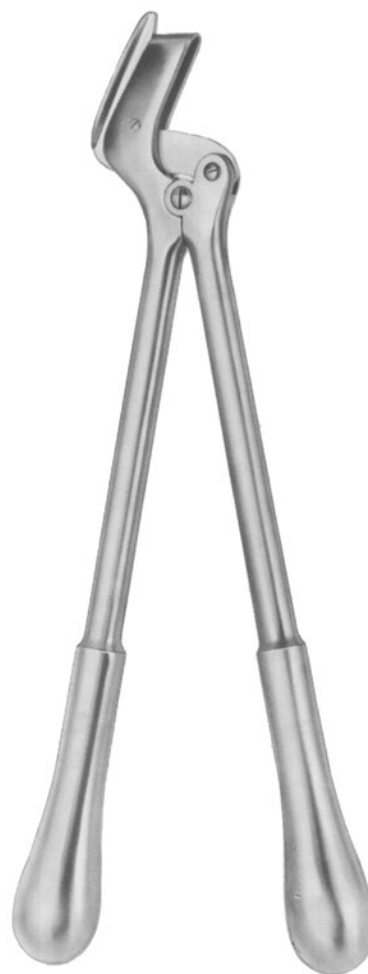


BRUNS
121-917
240mm, 9 1/2"



WOLF-BÖHLER

400-500 180mm, 7"
400-502 240mm, 9 1/2"

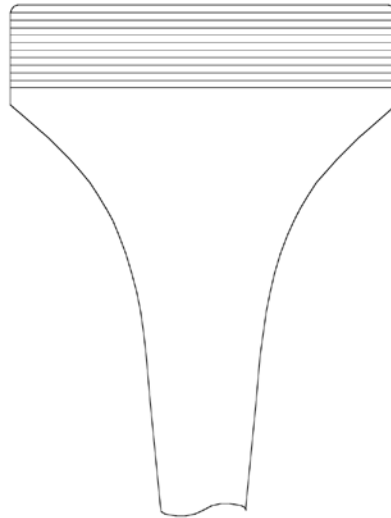


STILLE

400-201 230mm, 9"
400-203 260mm, 10 1/4"
400-211 380mm, 15 1/8"



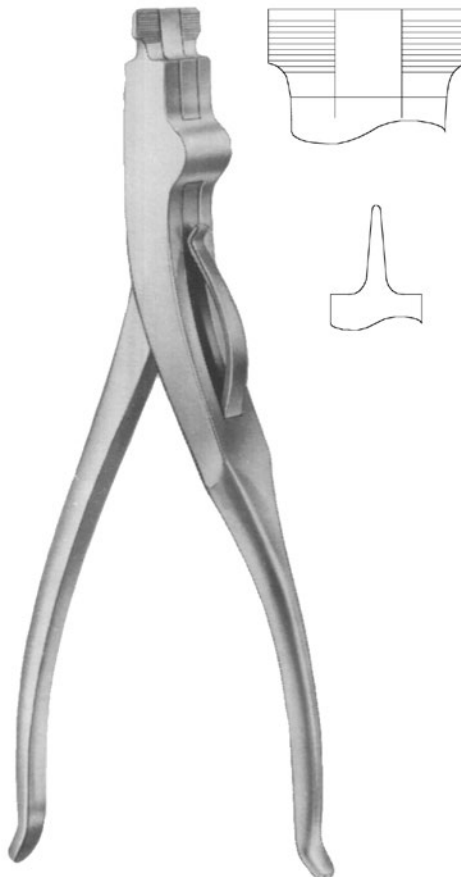
HENNING
400-520 270mm, 10 3/4"



400-520
400-530



BEESON
400-530 300mm, 12"



USA
400-515 230mm, 9"



410-090
170mm, 6 3/4"



410-092
160mm, 6 1/4"



5,5mm

WILLIGER
410-112
160mm, 6 1/4"



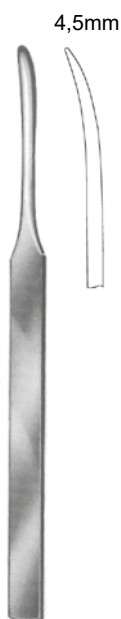
7mm

WILLIGER
410-114
160mm, 6 1/4"



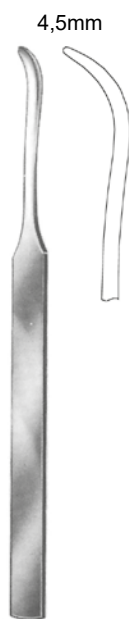
5,5mm

410-119
160mm, 6 1/4"



4,5mm

KOENIG
410-116
150mm, 6"



4,5mm

KOENIG
410-117
150mm, 6"



5mm

SEBILEAU
410-120
170mm, 6 3/4"



Mc DONALD
410-160
190mm, 7 1/2"



WATSON-CHEYNE
410-165
175mm, 6 7/8"



ALDERDYCE
470-930
210mm, 8 1/4"



CAIRNS
410-121
175mm, 6 3/4"



WATSON-CHEYNE
180-450 - 180-451

6mm



Hohlheft
Hollow Handle
Mango Hueco
Manche Creux

QUERVAIN
410-130
200mm, 8"

8mm



Hohlheft
Hollow Handle
Mango Hueco
Manche Creux

LANGENBECK
410-132
200mm, 8"

10mm



Hohlheft
Hollow Handle
Mango Hueco
Manche Creux

LANGENBECK
410-134
200mm, 8"

11mm



LANGENBECK
410-128
230mm, 9"

6mm



Vollgriff
Solid Handle
Mango Pleno
Manche Massive

QUERVAIN
410-126
200mm, 8"

8mm



410-122
200mm, 8"

10mm



410-124
200mm, 8"

LANGENBECK
410-122 - 410-124

5mm



410-1291
170mm, 6 3/4"

7mm



410-1292
170mm, 6 3/4"

8mm



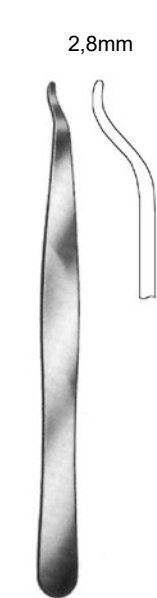
410-1293
170mm, 6 3/4"

10mm

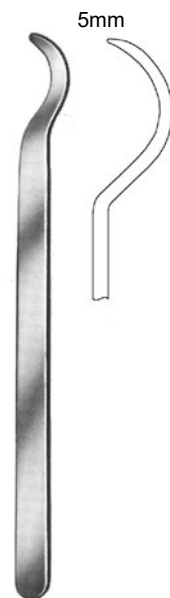


410-1294
170mm, 6 3/4"

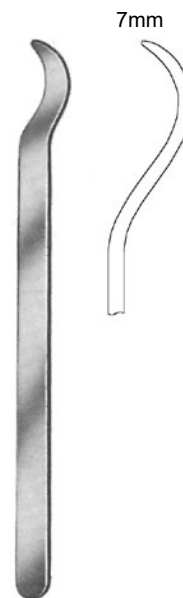
MINI-LANGENBECK
410-1291 - 410-1294



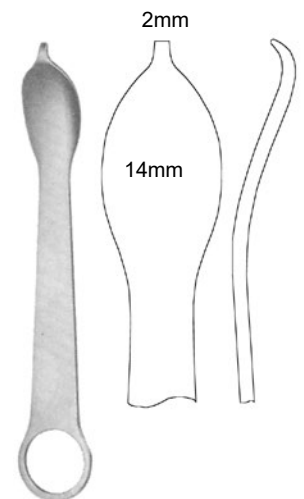
410-100
140mm, 5 1/2"



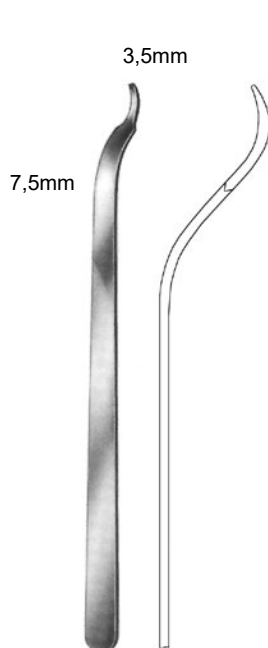
410-102
150mm, 6"



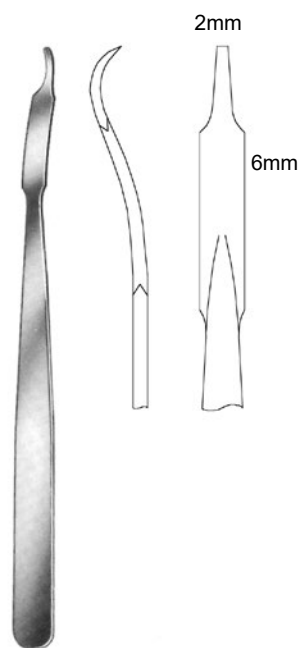
410-104
150mm, 6"



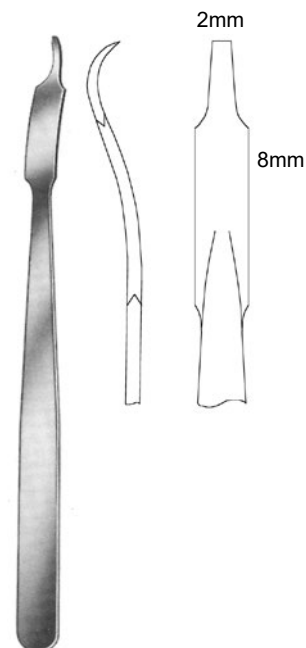
410-109
120mm, 5"



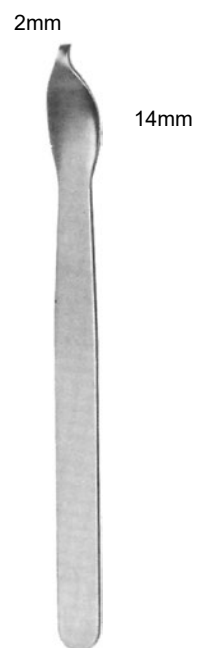
BUCK-GRAMCKO
410-107
150mm, 6"



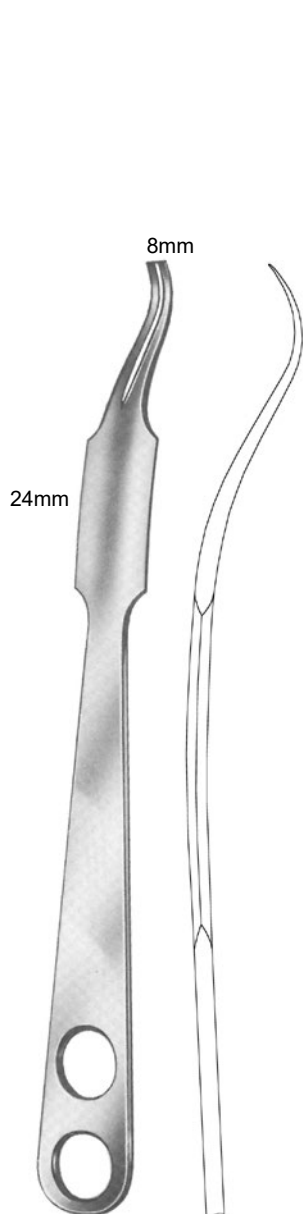
HOHMANN
410-105
160mm, 6 1/4"



HOHMANN
410-106
160mm, 6 1/4"



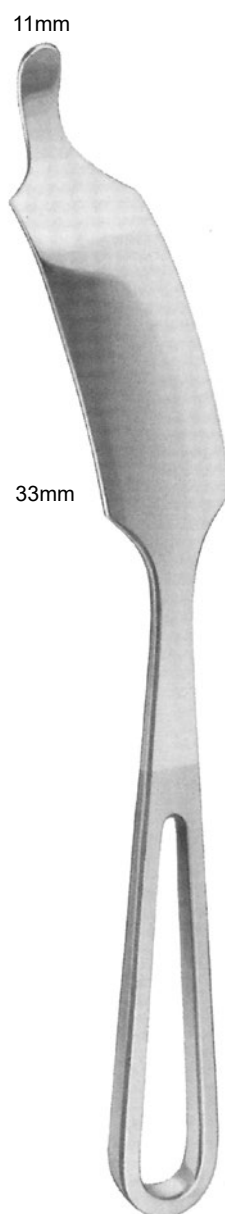
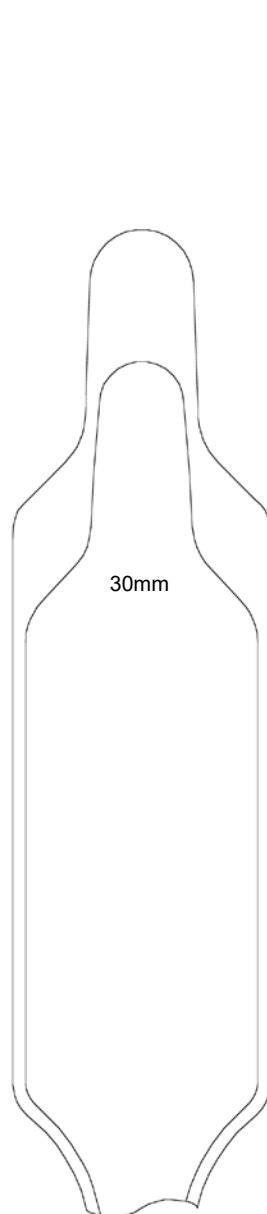
410-108
160mm, 6 1/4"



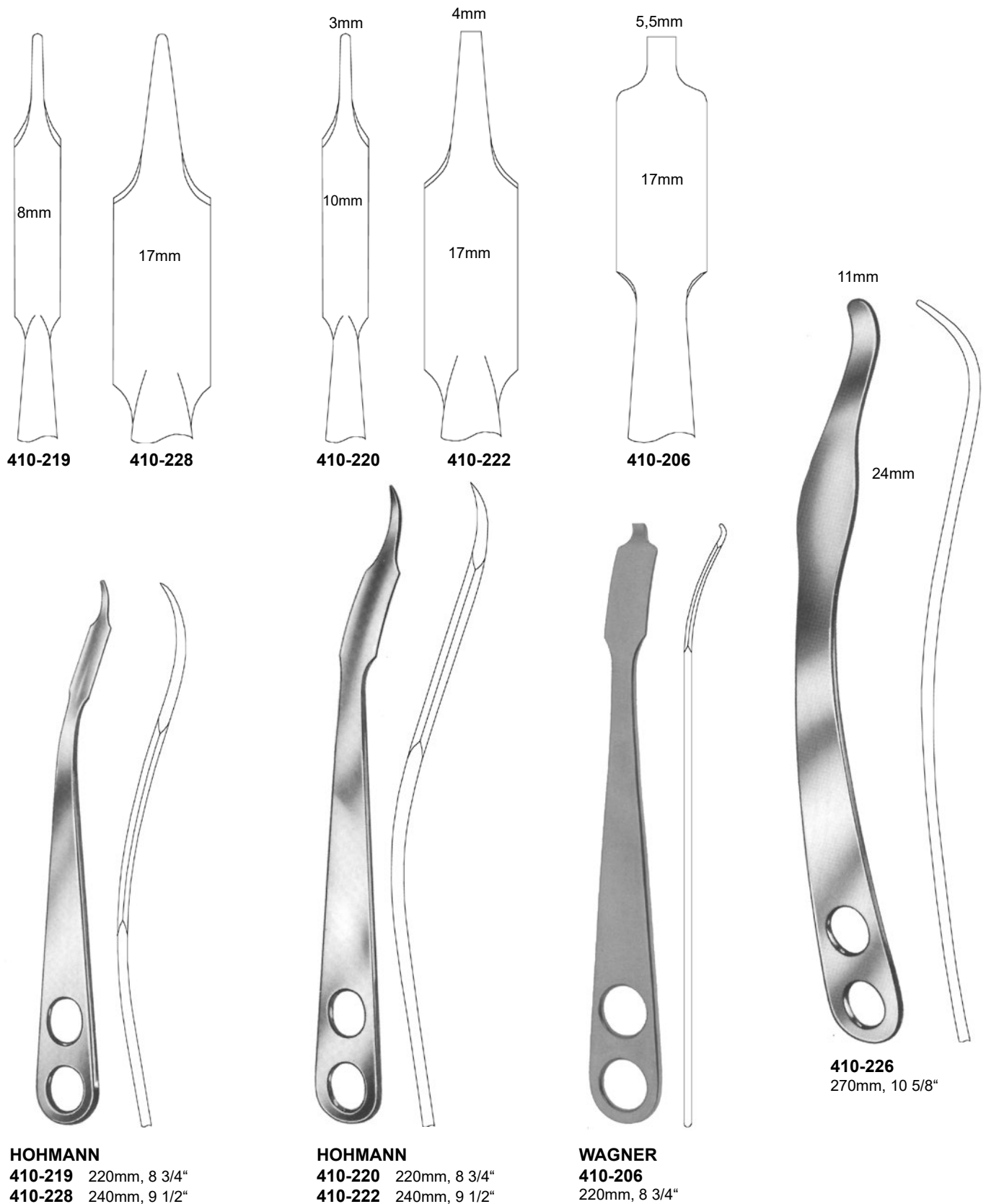
LANGE-HOHMANN
410-200
250mm, 10"

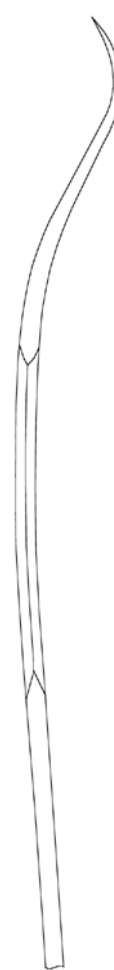
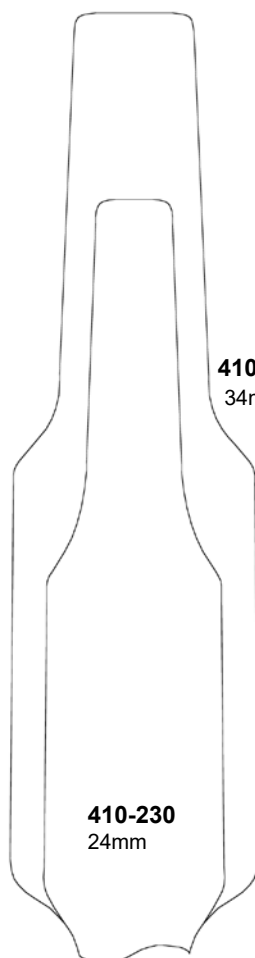
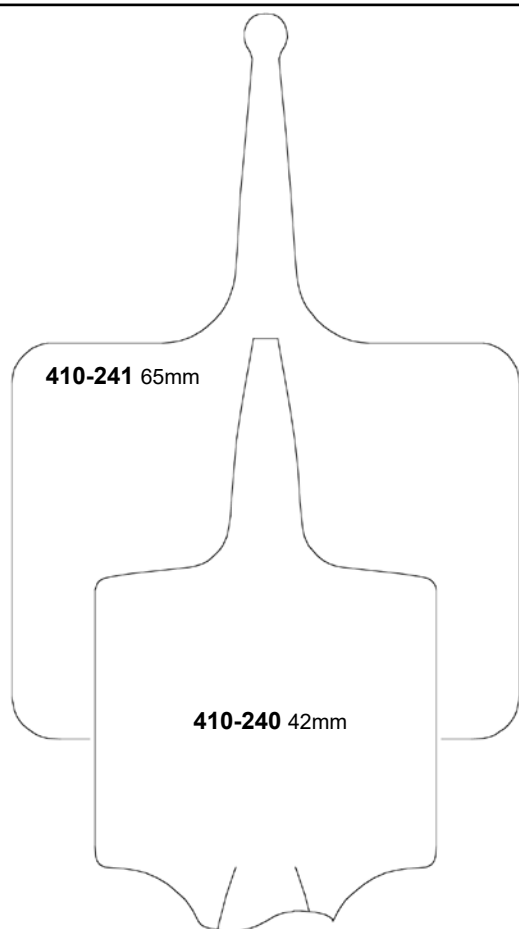


LANGE-HOHMANN
410-202
265mm, 10 1/2"



LANGE-HOHMANN
410-204
290mm, 11 1/2"





410-230

410-231

HOHMANN

410-230 260mm, 10 1/4"

410-231 290mm, 11 1/2"



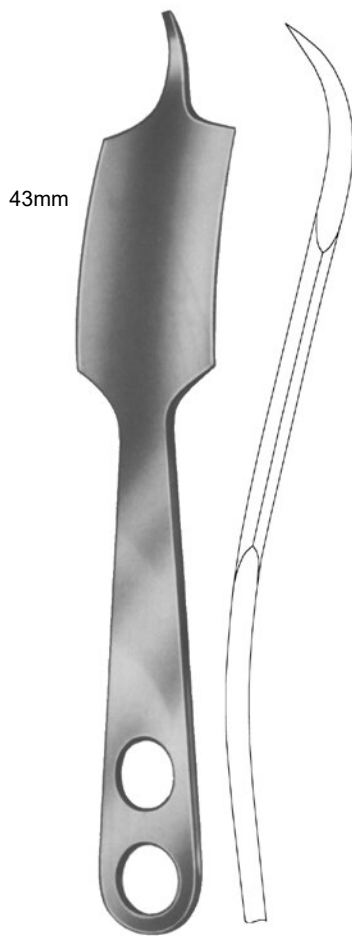
410-240

410-241

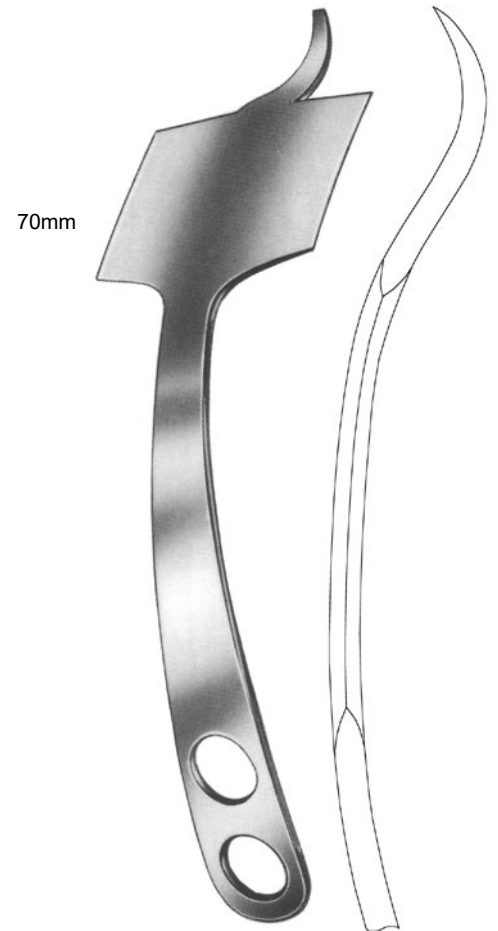
VERBRUGGE

410-240 240mm, 9 1/2"

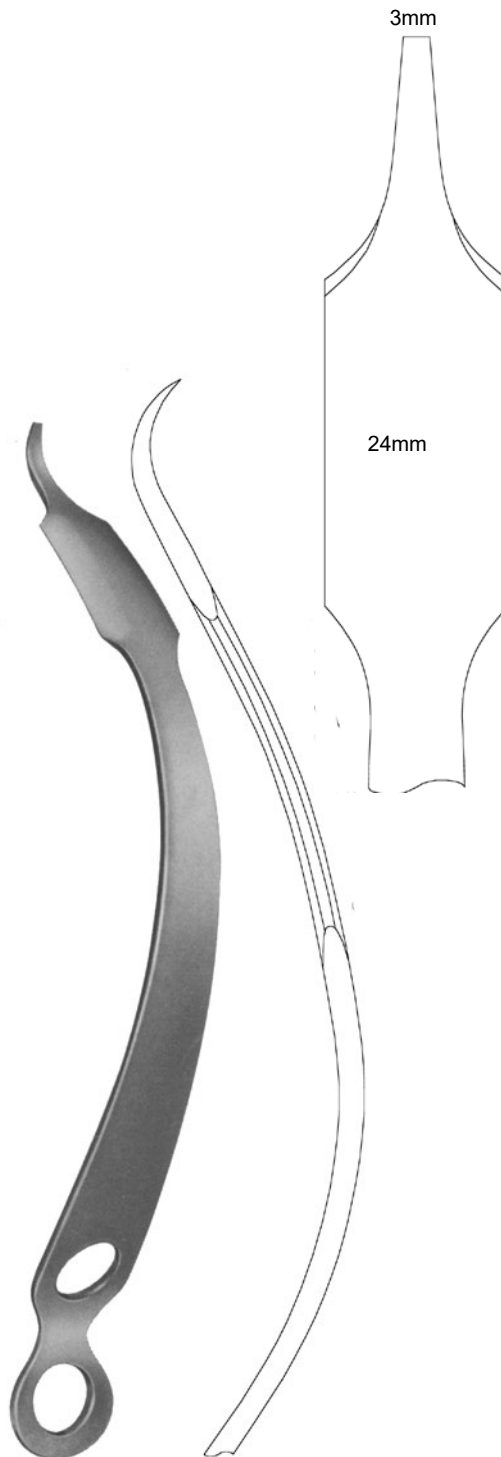
410-241 255mm, 10"



HOHMANN
410-244
245mm, 9 3/4"



HOHMANN
410-246
250mm, 10"



HOHMANN
410-210
270mm, 10 3/4"



**LANE-
THRETHOWAN**
410-256
215mm, 8 1/2"

WATSON-JONES
410-251
280mm, 11"

LANE
410-253
265mm, 10 1/2"

LANE
410-254
255mm, 10"

BRISTOW
410-359 180mm, 7"
410-360 230mm, 9"

BLOUNT
410-262
265mm, 10 1/2"

410-285

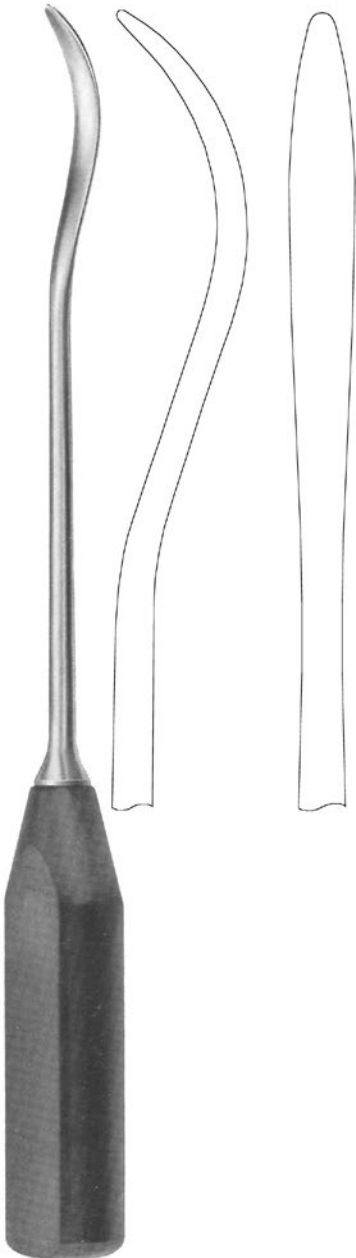
glatt, smooth, lisa, lisse
spitz, pointed, agudo, pointu

410-286

gerieft, serrated, estriada, strié
stumpf, blunt, romo, mousse

410-287

glatt, smooth, lisa, lisse
stumpf, blunt, romo, mousse



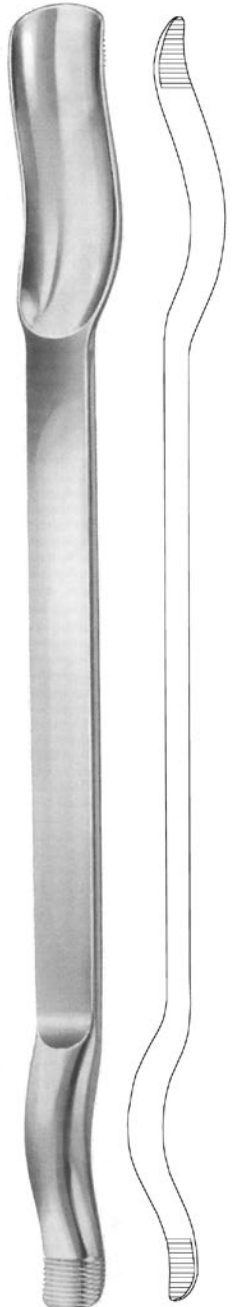
WAGNER
410-265
330mm, 13"



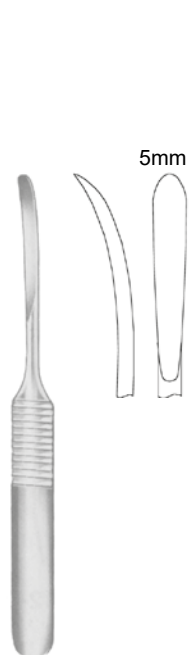
BENNET
410-270 44mm
410-271 64mm
255mm



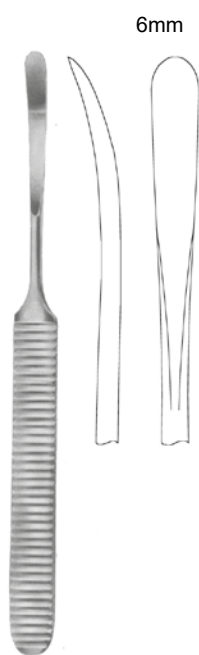
AUFRANC-COBRA
410-285 - 410-287
280mm, 11"



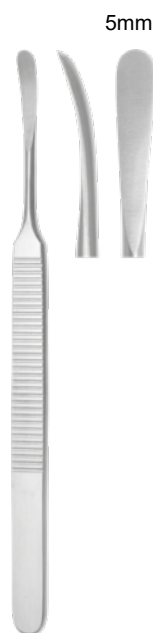
MURPHY-LANE
410-196 30/19mm
310mm, 12 1/4"



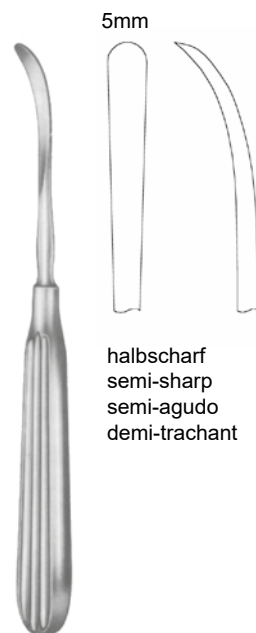
WILLIGER
410-300
130mm, 5"



WILLIGER
410-302
160mm, 6 1/4"

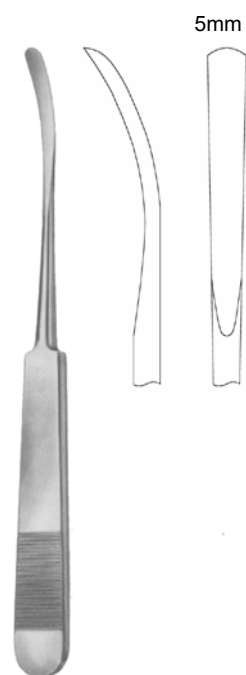


KÖNIG
410-306
155mm, 6"



LOVE-ADSON
340-966
170mm, 6 3/4"

halbscharf
semi-sharp
semi-agudo
demi-trachant



ADSON
340-954
165mm, 6 1/2"



CUSHING
340-912 - 340-915



340-912
175mm, 7"



340-913
175mm, 7"



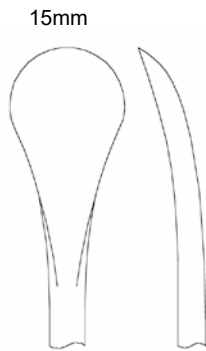
340-914
195mm, 7 3/4"



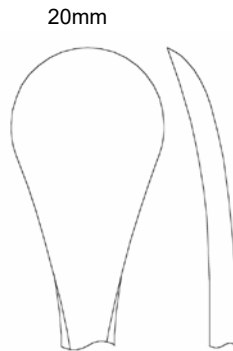
340-915
195mm, 7 3/4"



340-950
175mm, 7 1/4"



340-951
185mm, 7 1/4"



340-952
190mm, 7 1/2"

voller Griff
solid handle
mango pleno
manche massive

HOEN
340-950 - 340-952



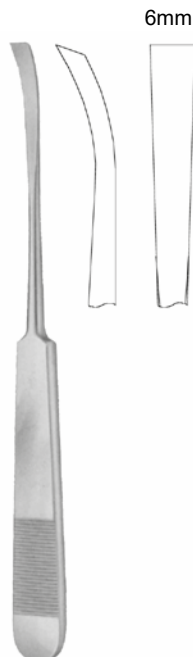
voller Griff
solid handle
mango pleno
manche massive

CUSHING
340-929
170mm, 6 3/4"



6mm

CUSHING
340-910
150mm, 6"
(Little Joker)



6mm

PENNYBAKER
340-935
165mm, 6 1/2"



8mm



340-960
scharf
sharp
agudo
trachant



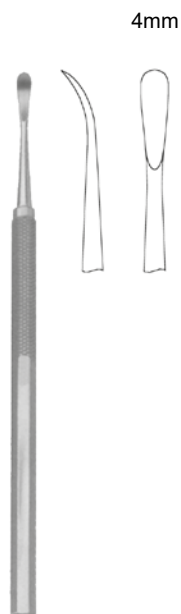
340-961
stumpf
blunt
romo
mousse



340-962
halbscharf
semi-sharp
semi-agudo
demi trachant



340-963
halbscharf
semi-sharp
semi-agudo
demi tachant



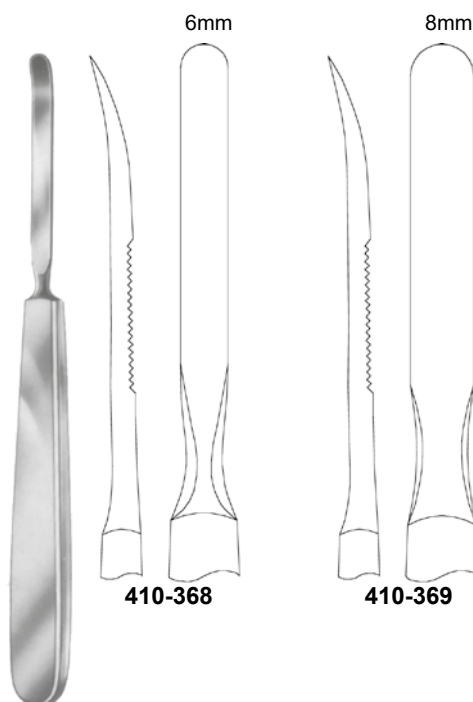
PARTSCH
410-315
145mm, 5 3/4"



WARD
440-614
170mm, 6 3/4"



ROSE
450-740 - 450-741
140mm, 5 1/2"



PLESTER
410-368 - 410-369
170mm, 6 3/4"



HALL
440-611 160mm, 6 1/4"
440-612 180mm, 7"

stumpf
blunt
romo
mousse

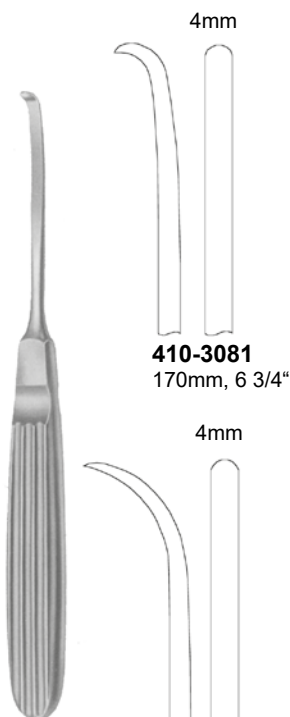


ST CLAIR THOMPSON
440-636 160mm, 6 1/4"
scharf
sharp
agudo
trachant
440-637
stumpf
blunt
romo
mousse



SEWALL
440-618
200mm, 8 "

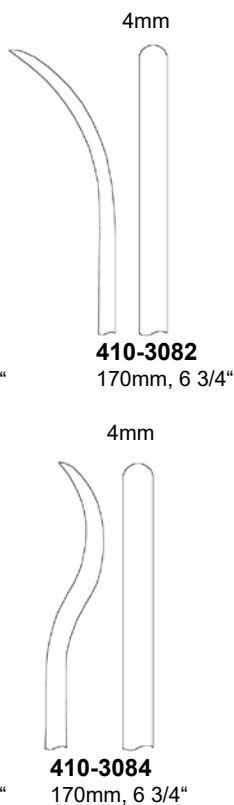
stumpf
blunt
romo
mousse



LEMPERT

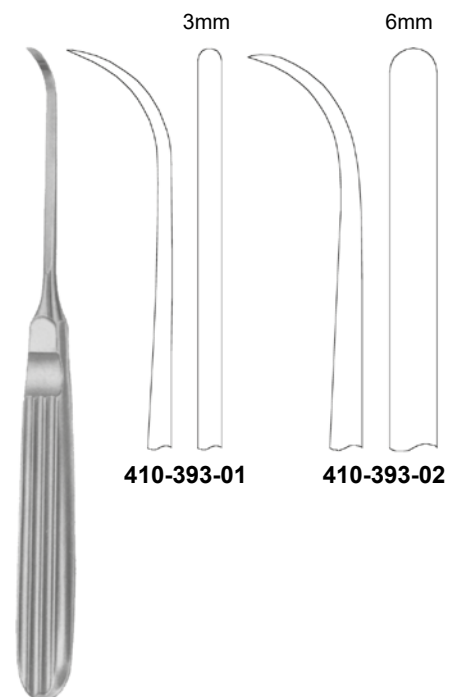
410-3081
170mm, 6 3/4"

410-3083
170mm, 6 3/4"



410-3082
170mm, 6 3/4"

410-3084
170mm, 6 3/4"



410-393-01

410-393-02

410-393-01 - 410-393-02
170mm, 6 3/4"

4,5mm



FREER

440-615

190mm, 7 1/2"

scharf
sharp
agudo
aigu

440-616

stumpf
blunt
romo
mousse

4,5mm



FREER

440-620

185mm, 7 1/4"

440-621

200mm, 8"

stumpf
blunt
romo
mousse
440-620
scharf
sharp
agudo
trachant

440-621

scharf
sharp
agudo
trachant

6,5mm



OBWEGGESER-FREER

452-270

210mm, 8 1/4"

452-271

205mm, 8"

stumpf
blunt
romo
mousse
452-270
stumpf
blunt
romo
mousse

stumpf
blunt
romo
mousse
452-271
scharf
sharp
agudo
trachant

4mm



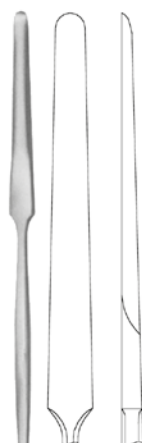
scharf / stumpf
sharp / blunt
agudo / romo
trachant / mousse

KILLIAN

440-603

180mm, 7"

4,5mm



scharf / stumpf
sharp / blunt
agudo / romo
trachant / mousse

KILLIAN

440-602

185mm, 7 1/4"

5,5mm



scharf / stumpf
sharp / blunt
agudo / romo
trachant / mousse

HOWARTH

440-626

215mm, 8 1/2"

3mm



scharf
sharp
agudo
trachant

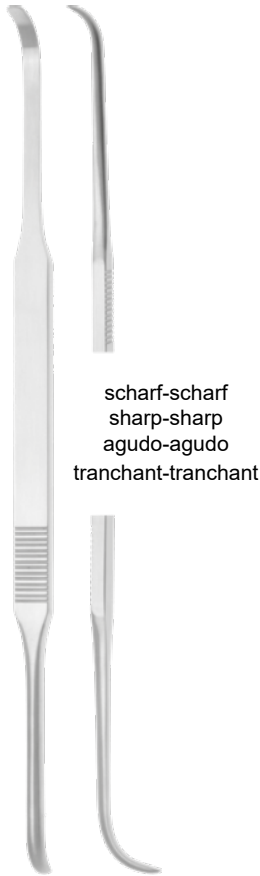
FREER-YASARGIL

440-627

185mm, 7 1/4"

4,5mm

4,5mm



scharf-scharf
sharp-sharp
agudo-agudo
tranchant-tranchant

COTTLE
450-733 230mm, 9"

4mm



COTTLE-McKENTY
450-732 220mm

4mm



stumpf
blunt
romo
mousse

scharf
sharp
agudo
tranchant

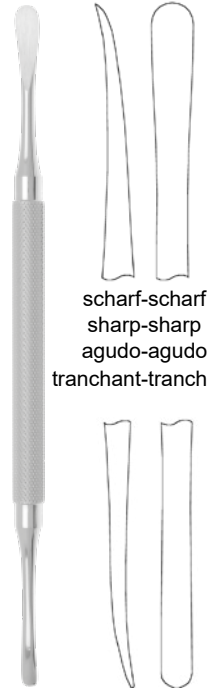
5mm

HILL
440-660
220mm, 8 3/4"



scharf-scharf
sharp-sharp
agudo-agudo
tranchant-tranchant

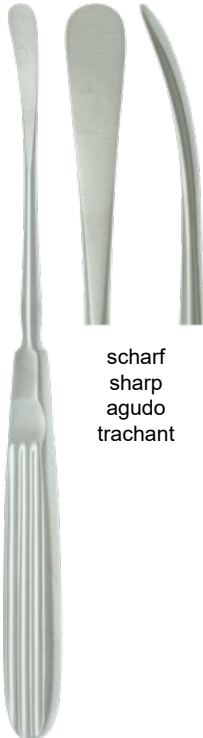
MEAD
440-666
165mm, 6 1/4"



scharf-scharf
sharp-sharp
agudo-agudo
tranchant-tranchant

MOLT
440-665
180mm, 7"

8mm



scharf
sharp
agudo
trachant

COTTLE
450-708
195mm, 7 3/4"

4,7mm



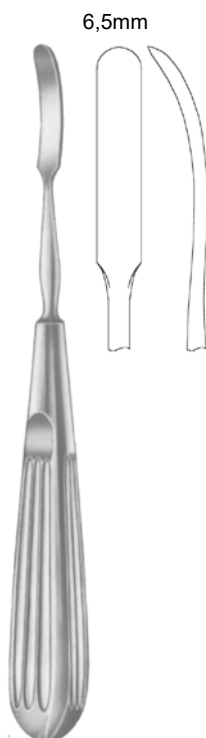
LANDOLT
410-313
175mm, 7"



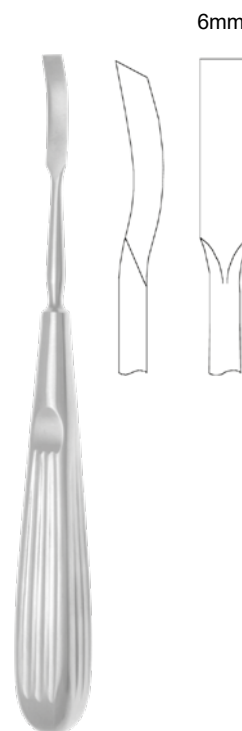
JOSEPH
450-698
160mm, 6 1/4"



JOSEPH
450-706
160mm, 6 1/4"



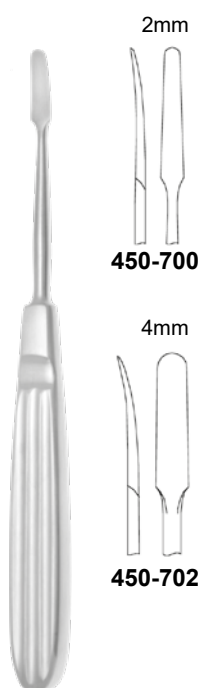
JOSEPH
450-707
180mm, 7"



LEMPERT
431-517
180mm, 7"



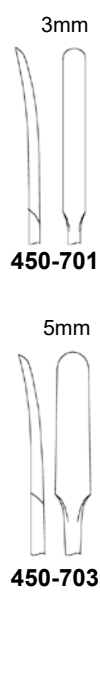
LEMPERT
431-515
205mm, 8"



450-700



450-702



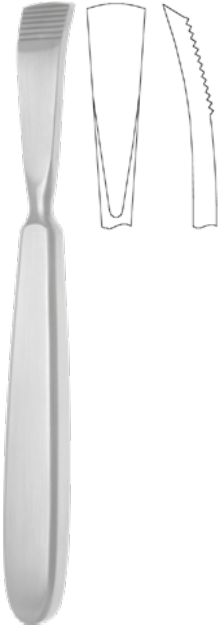
450-701



450-703

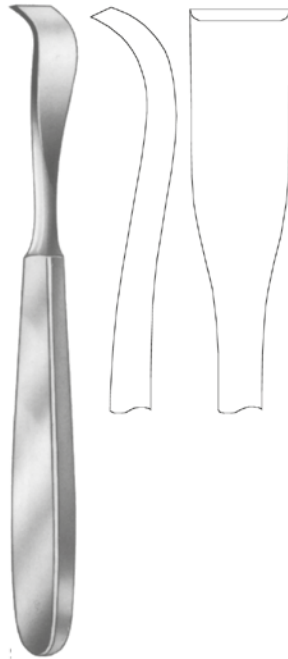
LEMPERT
450-700 - 450-703
170mm, 6 3/4"

15mm



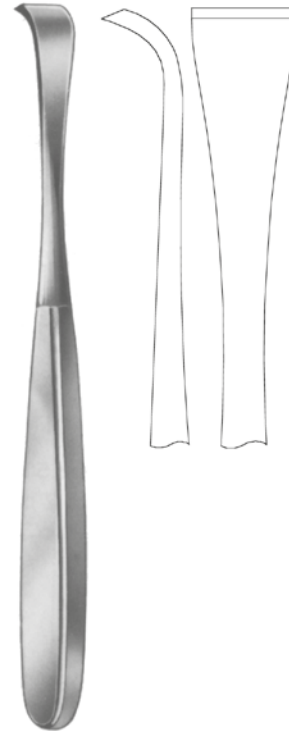
JANSEN
410-324
165mm, 6 1/2"

13mm



SCHNEIDER
410-325
175mm, 7"

13mm



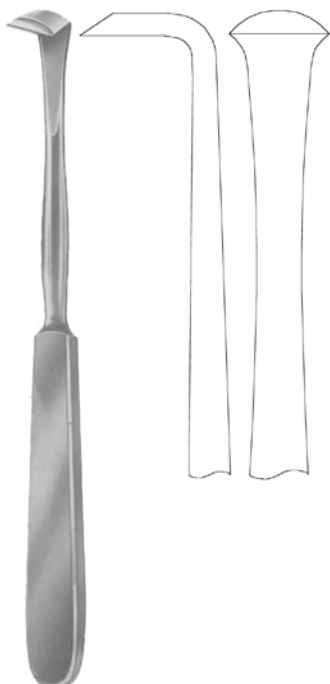
SCHNEIDER-SAUERBRUCH
410-327
190mm, 7 1/2"

18mm



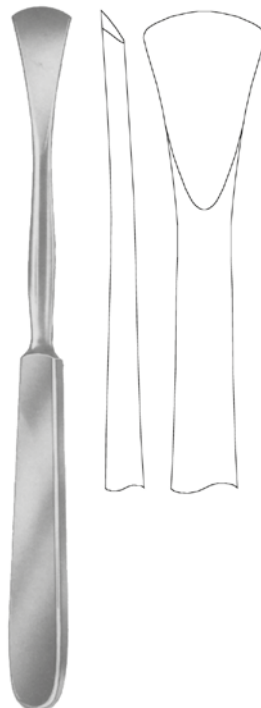
SEDILLOT
410-345
185mm, 7 1/4"

14mm



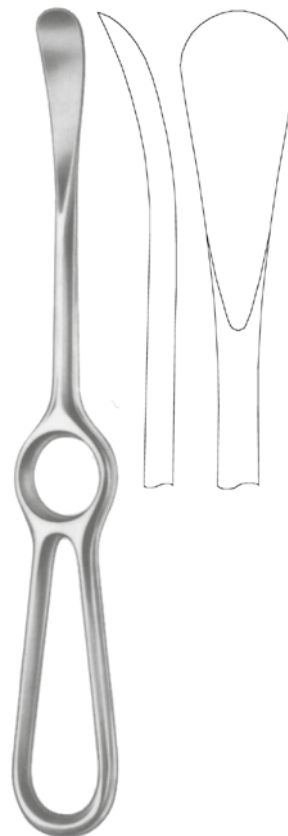
LANGENBECK
410-342
180mm, 7"

16mm



LANGENBECK
410-340
190mm, 7 1/2"

15mm

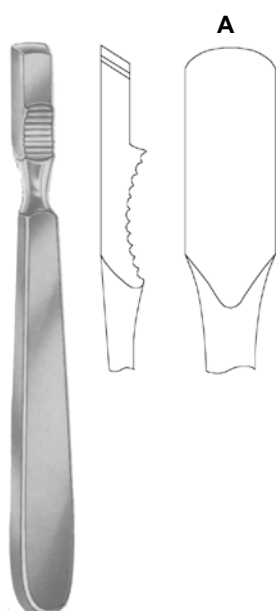


SEDILLOT
410-346
210mm, 8 1/4"

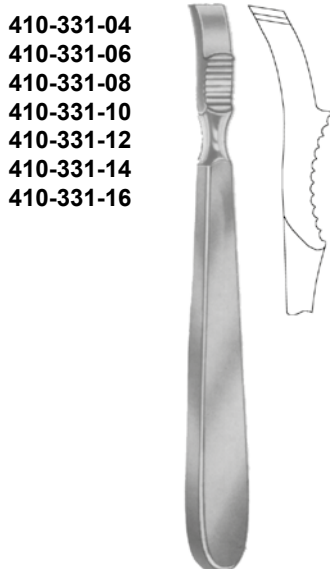
11mm



MCKISSOCK
410-395
195mm, 7 3/4"



	A mm
410-330-04	4
410-330-06	6
410-330-08	8
410-330-10	10
410-330-12	12
410-330-14	14
410-330-16	16

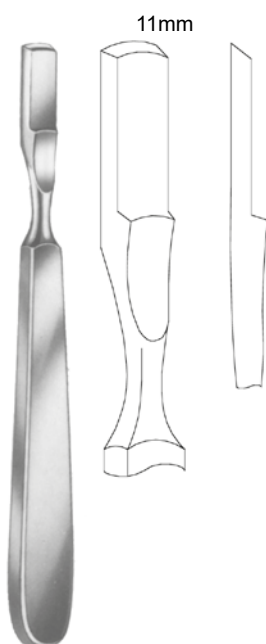


FARABEUF
410-330-04 - 410-330-16
150mm, 6"

FARABEUF
410-331-04 - 410-331-16
150mm, 6"



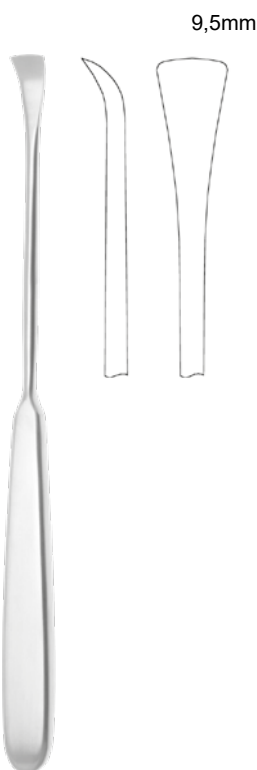
MITCHELLS
410-318
210mm, 8 1/4"



FARABEUF-COLLIN
410-336
160mm, 6 1/4"



FARABEUF-COLLIN
410-337
160mm, 6 1/4"



410-320
190mm, 7 1/2"



LAMBOTTE
410-350 5mm
410-351 10mm
410-352 15mm
410-353 20mm
410-354 25mm
215mm, 8 1/2"



6mm



410-151

170mm, 6 3/4"

10mm



410-152

190mm, 7 1/2"

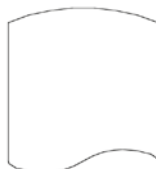
13mm



410-153

190mm, 7 1/2"

19mm



410-155

200mm, 8"

25mm



410-156

210mm, 8 1/4"

KEY

410-151 - 410-156



COBB		
	Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur
410-140	240mm	10mm
410-141	240mm	13mm
410-142	240mm	19mm
410-143	240mm	25mm



COBB		
	Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur
410-144	280mm	8mm
410-145	280mm	10mm
410-146	280mm	12mm
410-138	280mm	19mm
410-139	280mm	25mm



COBB		
	Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur
410-147	270mm	4mm
410-148	270mm	6mm
410-149	270mm	8mm



410-384
190mm, 7 1/2"



410-385
185mm, 7 1/4"



410-382
185mm, 7 1/4"



410-383
185mm, 7 1/4"



410-388
190mm, 7 1/2"



410-380
200mm, 8"



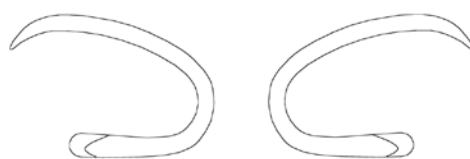
410-381
190mm, 7 1/2"



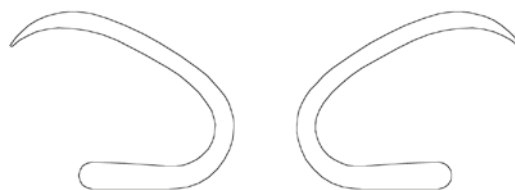
410-387
200mm, 8"



DOYEN
251-136 **251-137**
240mm, 9 1/2"



251-132 für Kinder
for children
para niños
pour enfants **251-133**



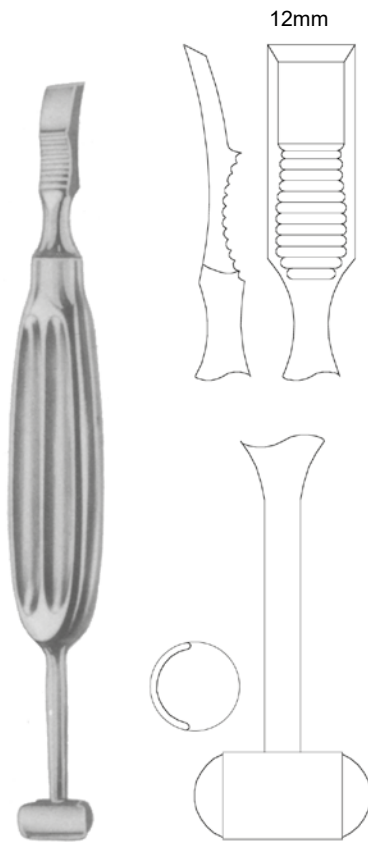
251-134 **251-135**



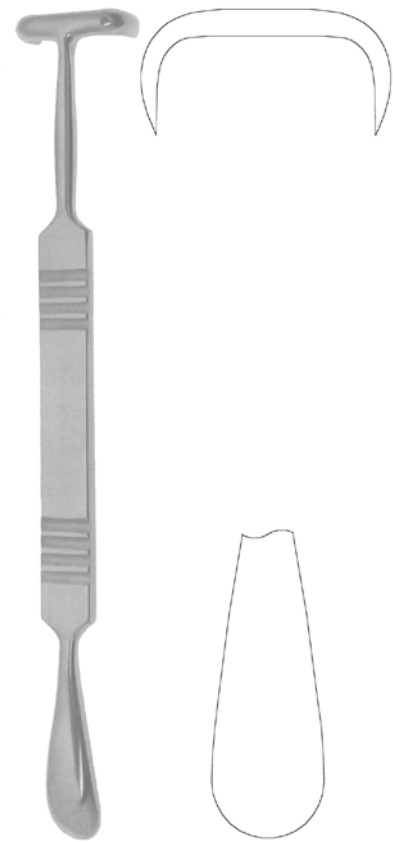
251-136 linksgebogen
left curved
curvo a la izquierda
courbé à gauche **251-137**
rechtsgebogen
right curved
curvo a la derecha
courbé à droite



DOYEN
251-132 **251-133**
251-134 **251-135**
175mm, 7"



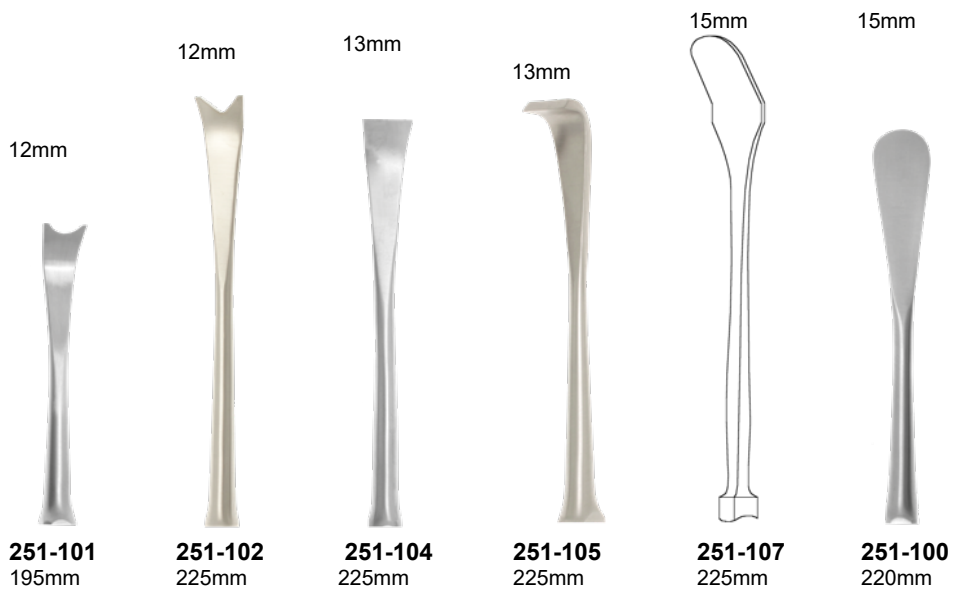
ALEXANDER-FARABEUF
251-122
210mm, 8 1/4"



MATSON
251-140
220mm, 8 3/4"



SEMB
251-100 - 251-107



251-101
195mm

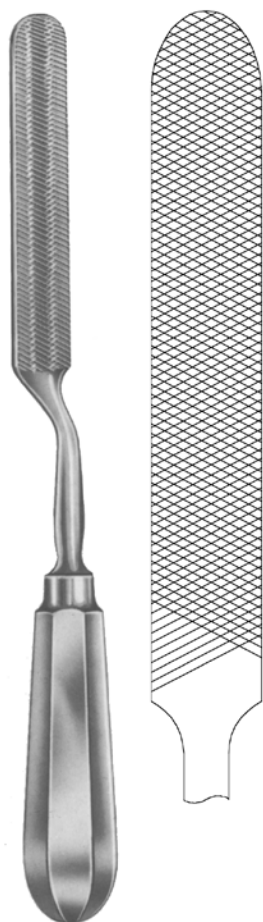
251-102
225mm

251-104
225mm

251-105
225mm

251-107
225mm

251-100
220mm



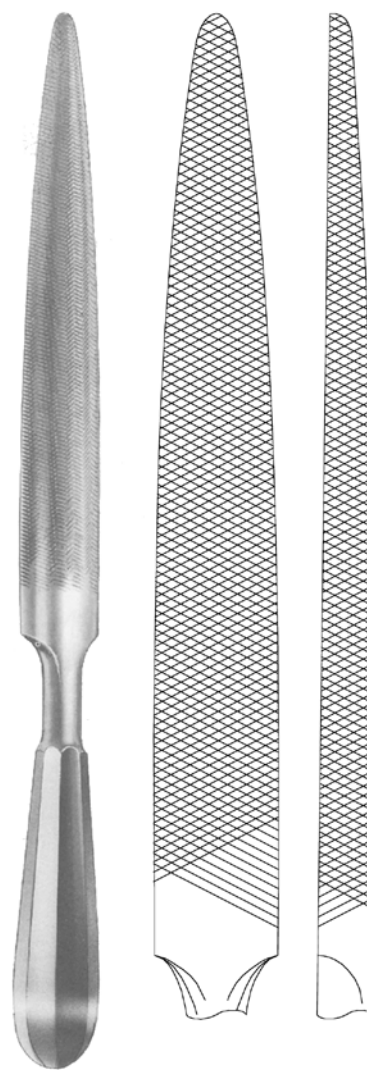
410-400
245mm, 9 5/8"



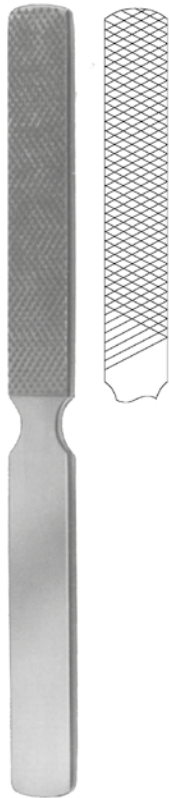
PUTTI
410-410
270mm, 10 5/8"



PUTTI
410-411
300mm, 12"

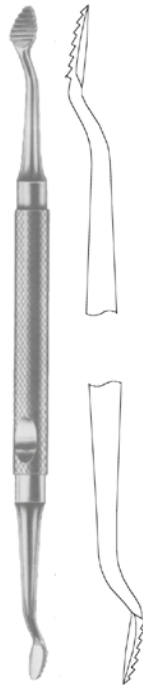


410-420
280mm, 11"



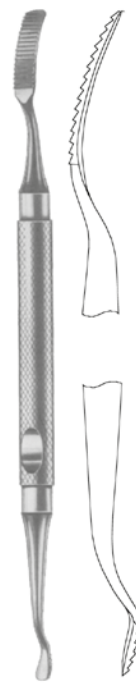
410-402
220mm, 8 3/4"

8mm



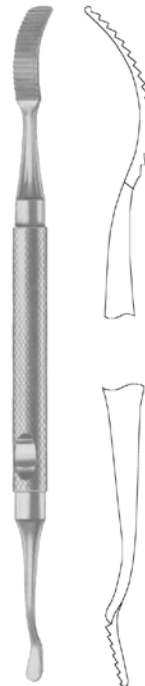
5mm
MILLER
410-432
180mm, 7"

6mm

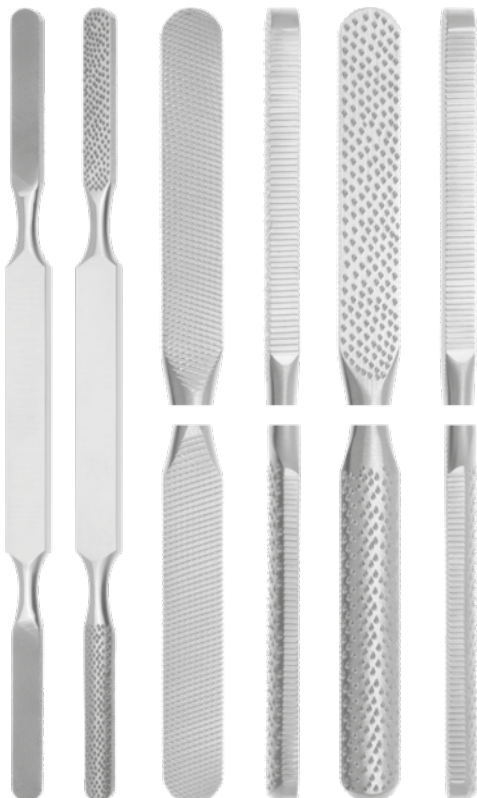


4,3mm
MILLER
410-431
180mm, 7"

6mm



5mm
MILLER
410-430
180mm, 7"



FOMON (KLEINERT KUTZ)
450-548
210mm, 8 1/4"



FOMON-MASING
450-540
210mm, 8 1/4"



FOMON-MASING
450-542
210mm, 8 1/4"



FOMON

450-590	12/14
450-591	16/20
450-592	24/30
450-593	36/44
450-594	52/64
205mm, 8"	



450-590



450-591



450-592



450-593



450-594



450-590



450-591



450-592



450-593

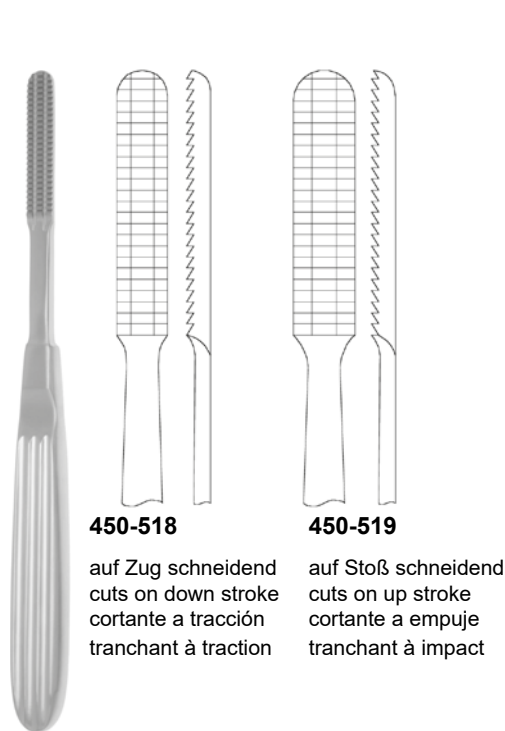


450-594

Hartmetalleinlagen
Tungsten carbide inlays
Insertos de carburo tungsteno
Insert de carbure tungstène

- Fig.1 grob / coarse / grueso / grosse
12 Zähne / 12 teeth / 12 dientes / 12 dents
- Fig.2 grob / coarse / grueso / grosse
14 Zähne / 14 teeth / 14 dientes / 14 dents
- Fig.3 grob / coarse / grueso / grosse
16 Zähne / 16 teeth / 16 dientes / 16 dents
- Fig.4 mittel / medium / mediano / moyen
20 Zähne / 20 teeth / 20 dientes / 20 dents
- Fig.5 mittel / medium / mediano / moyen
24 Zähne / 24 teeth / 24 dientes / 24 dents

- Fig.6 mittel / medium / mediano / moyen
30 Zähne / 30teeth / 30 dientes / 30 dents
- Fig.7 fein / fine / fino / fine
36 Zähne / 36 teeth / 36 dientes / 36 dents
- Fig.8 fein / fine / fino / fine
44 Zähne / 44 teeth / 44 dientes / 44 dents
- Fig.9 fein / fine / fino / fine
52 Zähne / 52 teeth / 52 dientes / 52 dents
- Fig.10 fein / fine / fino / fine
62 Zähne / 62 teeth / 62 dientes / 62 dents



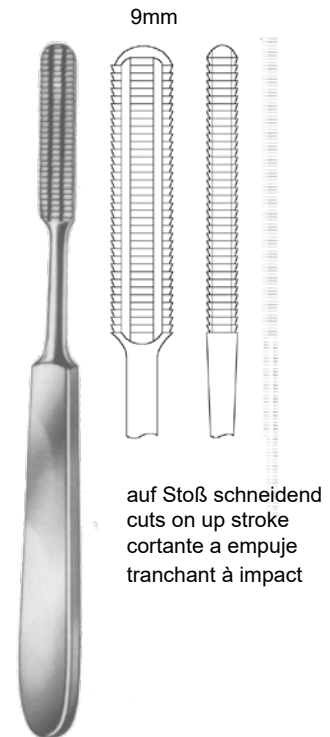
450-518

auf Zug schneidend
cuts on down stroke
cortante a tracción
tranchant à traction

450-519

auf Stoß schneidend
cuts on up stroke
cortante a empuje
tranchant à impact

MALTZ
450-518 - 450-519
175mm, 7"



9mm

auf Stoß schneidend
cuts on up stroke
cortante a empuje
tranchant à impact

MALTZ
450-510
180mm, 7"



9mm

450-530

auf Zug schneidend
cuts on down stroke
cortante a tracción
tranchant à traction

450-531

auf Stoß schneidend
cuts on up stroke
cortante a empuje
tranchant à impact

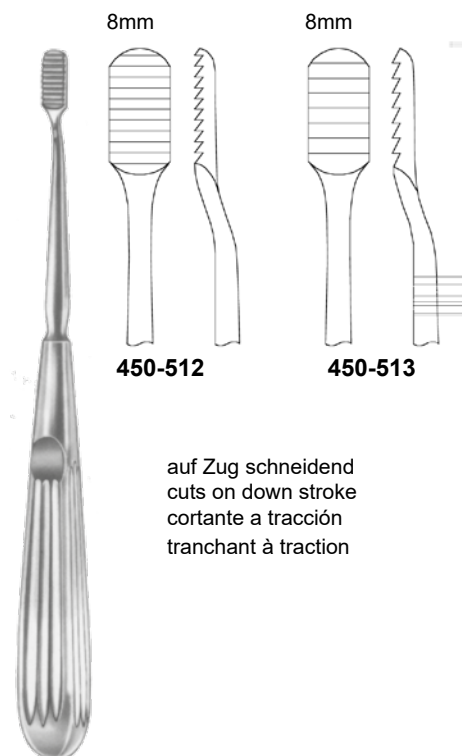
AUFRICHT
450-530 210mm, 8 1/4"
450-531 210mm, 8 1/4"



8mm

auf Zug schneidend
cuts on down stroke
cortante a tracción
tranchant à traction

COTTLE
450-520
210mm, 8 1/4"

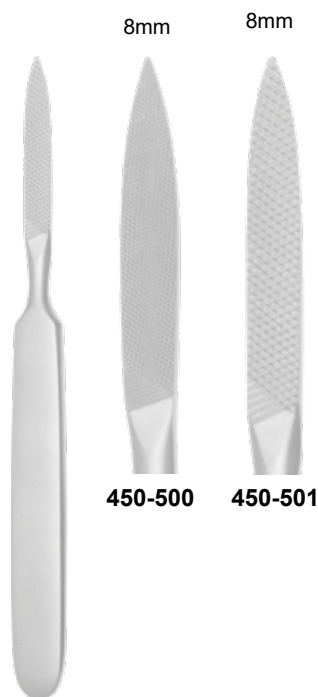


450-512

450-513

auf Zug schneidend
cuts on down stroke
cortante a tracción
tranchant à traction

LEWIS
450-512 - 450-513
180mm, 7"



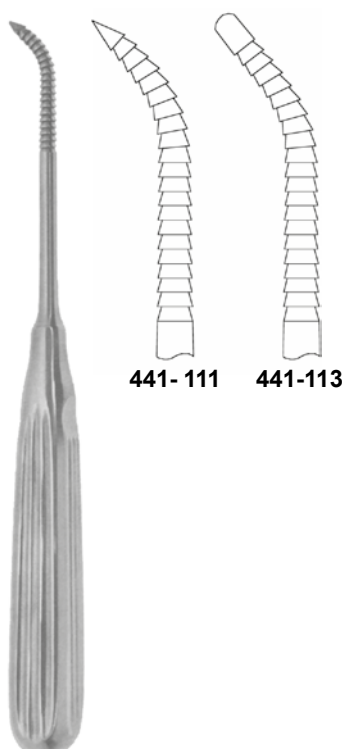
450-500

450-501

JOSEPH
450-500 - 450-501
160mm, 6 1/4"

Ø 5mm

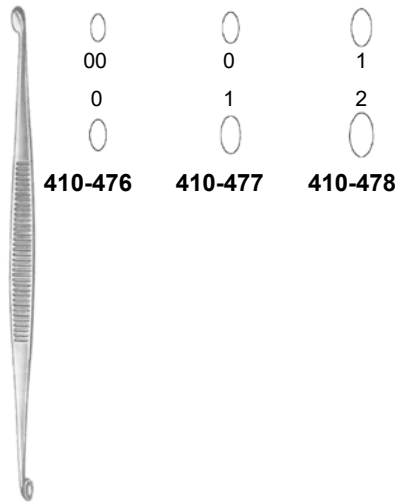
Ø 5mm



441-111

441-113

WIENER
441-111 - 441-113
180mm, 7"



WILLIGER

410-476 Fig. 00/0

410-477 Fig. 0/1

410-478 Fig. 1/2
135mm, 5 1/4"



HOUSE

170mm

431-480-01 rund / round / redonda / ronde

431-481-01 oval / oval / oval / ovale

431-481-02 oval / oval / oval / ovale

431-481-03 oval / oval / oval / ovale

431-481-04 oval / oval / oval / ovale

431-482-01 rund / round / redonda / ronde

Ø1,0mm / Ø1,2mm
0,8x1,0mm / 1,0x1,2mm
1,1x1,5mm / 1,3x1,8mm
1,5x2,2mm / 1,9x2,6mm
2,3x3,1mm / 2,5x3,3mm



VOLKMANN

410-480 135mm, 5 1/4"

410-481 145mm, 5 3/4"

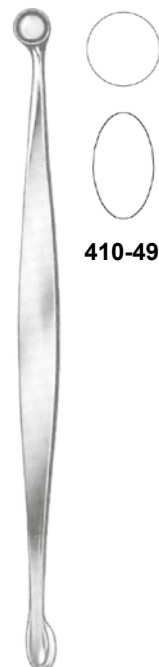
410-482 170mm, 6 3/4"



VOLKMANN

410-490

130mm, 5"



VOLKMANN

410-492

160mm, 6 1/4"



VOLKMANN

410-494

200mm, 8"



JACOBSON
410-460
140mm, 5 1/2"



JANSEN
410-462
160mm, 6 1/4"



BARTH
410-498
180mm, 7"



VOLKMANN
410-496
210mm, 8 1/4"



410-485



410-486



410-487

VOLKMANN
410-485 - 410-487
220mm, 8 5/8"

SCHARFE LÖFFEL
BONE CURETTES
CUCHARILLAS CORTANTES
CURETTES TRANCHANTES

ELCON
410



VOLKMANN
410-540 - 410-549
170mm, 6 3/4"



VOLKMANN
410-5740 - 410-5769 170mm, 6 3/4"
410-5770 - 410-5786 270mm, 10 3/4"

2,8mm



0000

410-540
410-5740
410-5770

3,6mm



000

410-541
410-5741
410-5771

4,4mm



00

410-542
410-5742
410-5772

5,2mm



0

410-543
410-5743
410-5773

6,8mm



1

410-544
410-5744
410-5774

8,5mm



2

410-545
410-5745
410-5775

10mm



3

410-546
410-5746
410-5776

11,5mm



4

410-547
410-5747

13mm



5

410-548
410-5748

14,5mm



6

410-549
410-5749



BRUNS
410-510 - 410-519
170mm, 6 3/4"

2mm



0000

410-510

3mm



000

410-511

4mm



00

410-512

5mm



0

410-513

6mm



1

410-514

8mm



2

410-515

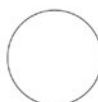
10mm



3

410-516

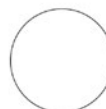
12mm



4

410-517

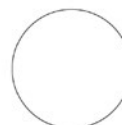
13mm



5

410-518

15mm



6

410-519



SPRATT
441-290 - 441-297
170mm, 6 3/4"

2,0mm	2,3mm	3,0mm	3,4mm	4,0mm
0000	000	00	0	1
441-290	441-291	441-292	441-293	441-294

5,5mm	6,2mm	7,0mm
2	3	4
441-295	441-296	441-297



SIMON
410-5711 - 410-5713
240mm, 9 1/2"

2,4mm
0000
410-5710

3,2mm
000
410-5711

4,2mm
00
410-5712

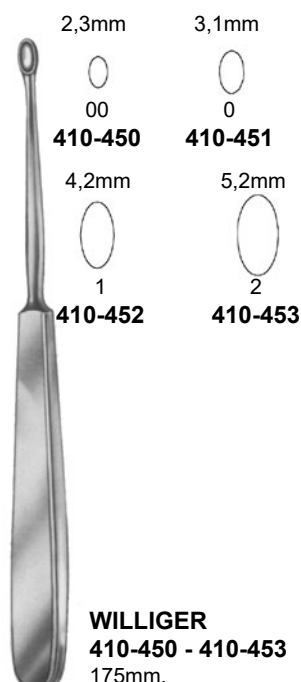
5,2mm
0
410-5713



2,5mm	3,4mm	4,2mm	5,2mm	6,3mm
000	00	0	1	2
410-560	410-561	410-562	410-563	410-564

7,4mm	8,0mm
3	4
410-565	410-566

SCHEDE
410-560 - 410-566
170mm, 6 3/4"



WILLIGER
410-450 - 410-453
175mm,

2,3mm	3,1mm
00	0
410-450	410-451

4,2mm	5,2mm
1	2
410-452	410-453

2,5mm	3,0mm	3,5mm	4,0mm	5,0mm	6,0mm	8,0mm	9,0mm	10,5mm
								
000	00	0	1	2	3	4	5	6
410-520	410-521	410-522	410-523	410-524	410-525	410-526	410-527	410-528
410-530	410-531	410-532	410-533	410-534	410-535	410-536	410-537	410-538
341-620	341-621	341-622	341-623	341-624	341-625	341-626	341-627	341-628
341-630	341-631	341-632	341-633	341-634	341-635	341-636	341-637	341-638



SPINAL
341-620 - 341-628
200mm, 8"



SPINAL
341-630 - 341-638
200mm, 8"



BRUNS
410-520 - 410-528
230mm, 9"



BRUNS
410-530 - 410-538
230mm, 9"



CASPAR
414-734 4mm
414-735 5mm
250mm, 10"
mit 1 Zahn
with 1 tooth
con 1 diente
avec 1 dent



CASPAR
414-743 3mm
414-744 4mm
270mm, 10 3/4"
mit 1 Zahn
with 1 tooth
con 1 diente
avec 1 dent



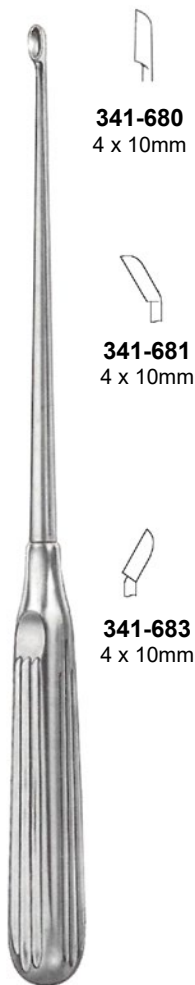
CASPAR
414-754 4mm
414-755 5mm
414-755 6mm
220mm, 8 3/4"
mit 1 Zahn
with 1 tooth
con 1 diente
avec 1 dent



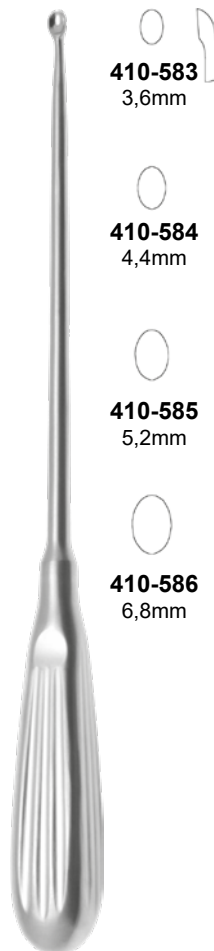
CASPAR
414-643 3,6mm
414-644 4,4mm
414-645 5,2mm
220mm, 8 3/4"



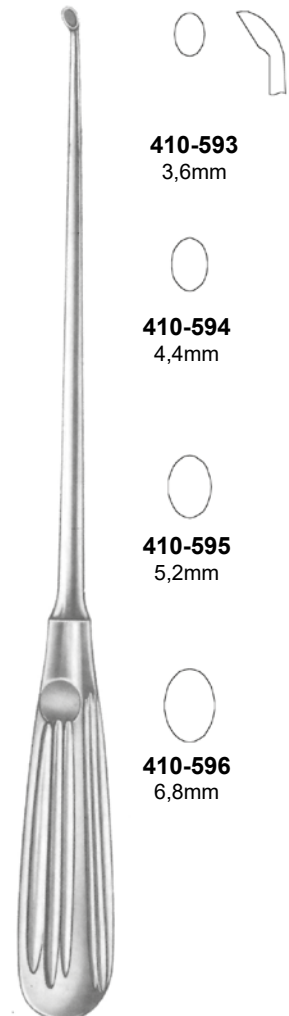
CASPAR
414-653 3,6mm
414-654 4,4mm
414-655 5,2mm
220mm, 8 3/4"



SCOVILLE
341-680 - 341-683
250mm, 10"



410-583 - 410-586
250mm, 10"



410-593 - 410-596
250mm, 10"



410-618
200mm, 8"

Kopf Ø 30mm
head Ø 30mm
cabeza Ø 30mm
tete Ø 30mm

Gewicht 220g
weight 220g
peso 220g
poids 220g



LUCAE
410-620
190mm, 7 1/2"

Kopf Ø 19mm
head Ø 19mm
cabeza Ø 19mm
tete Ø 19mm

Gewicht 230g
weight 230g
peso 230g
poids 230g

LUCAE
410-621
190mm, 7 1/2"

Kopf Ø 25mm
head Ø 25mm
cabeza Ø 25mm
tete Ø 25mm

Gewicht 260g
weight 260g
peso 260g
poids 260g



410-623
185mm, 7 1/2"

Kopf Ø 25mm
head Ø 25mm
cabeza Ø 25mm
tete Ø 25mm

Gewicht 185g
weight 185g
peso 185g
poids 185g

410-624

Ersatzbacken (Paar), Kunststoff
(kein Medizinprodukt)
Spare Facings (pair), plastic (no
medical device)
Tapas de repuesto (par), plastico
(no es un producto sanitario)
Plaques de rechange (paire),
plastique (pas de produit médical)



MEAD
410-625
190mm, 7 1/2"

Kopf Ø 27mm
head Ø 27mm
cabeza Ø 27mm
tete Ø 27mm

Gewicht 320g
weight 320g
peso 320g
poids 320g



410-626

Ersatzbacken (Paar), Kunststoff (kein Medizinprodukt)
Spare Facings (pair), plastic (no medical device)
Tapas de repuesto (par), plastico (no es un producto sanitario)
Plaques de rechange (paire), plastique (pas de produit médical)



DOYEN
410-628
210mm, 8 1/4"

Kopf Ø 30mm
head Ø 30mm
cabeza Ø 30mm
tete Ø 30mm

Gewicht 180g
weight 180g
peso 180g
poids 180g

DOYEN
410-629
210mm, 8 1/4"

Kopf Ø 35mm
head Ø 35mm
cabeza Ø 35mm
tete Ø 35mm

Gewicht 260g
weight 260g
peso 260g
poids 260g



410-604
190mm, 7 1

Kopf Ø 22mm
head Ø 22mm
cabeza Ø 22mm
tete Ø 22mm

Gewicht 170g
weight 170g
peso 170g
poids 170g



HEATH
410-606
185mm, 7 1/4"

Kopf Ø 40mm
head Ø 40mm
cabeza Ø 40mm
tete Ø 40mm

Gewicht 600g
weight 600g
peso 600g
poids 600g

HEATH
410-607
190mm, 7 1/2"

Kopf Ø 45mm
head Ø 45mm
cabeza Ø 45mm
tete Ø 45mm

Gewicht 1000g
weight 1000g
peso 1000g
poids 1000g



410-608
165mm, 6 1/2"

Kopf Ø 20mm
head Ø 20mm
cabeza Ø 20mm
tete Ø 20mm

Gewicht 120g
weight 120g
peso 120g
poids 120g



WILLIGER
410-613
240mm, 9 1/2"

Kopf Ø 28mm
head Ø 28mm
cabeza Ø 28mm
tete Ø 28mm

Gewicht 340g
weight 340g
peso 340g
poids 340g



WILLIGER
410-614
240mm, 9 1/2"

Kopf Ø 30mm
head Ø 30mm
cabeza Ø 30mm
tete Ø 30mm

Gewicht 400g
weight 400g
peso 400g
poids 400g



OMBREDANNE
410-660
250mm, 10"

Kopf Ø 40mm
head Ø 40mm
cabeza Ø 40mm
tete Ø 40mm

Gewicht 550g
weight 550g
peso 550g
poids 550g



PARTSCH
410-616
180mm, 7"

Kopf Ø 22mm
head Ø 22mm
cabeza Ø 22mm
tete Ø 22mm

Gewicht 200g
weight 200g
peso 200g
poids 200g



410-632

265mm, 10 1/2"

Kopf Ø 30mm	Gewicht 450g
head Ø 30mm	weight 450g
cabeza Ø 30mm	peso 450g
tete Ø 30mm	poids 450g



410-634

265mm, 10 1/2"

Kopf Ø 50mm	Gewicht 900g
head Ø 50mm	weight 900g
cabeza Ø 50mm	peso 900g
tete Ø 50mm	poids 900g



410-646

260mm, 10 1/4"

Kopf Ø 30mm	Gewicht 450g
head Ø 30mm	weight 450g
cabeza Ø 30mm	peso 450g
tete Ø 30mm	poids 450g



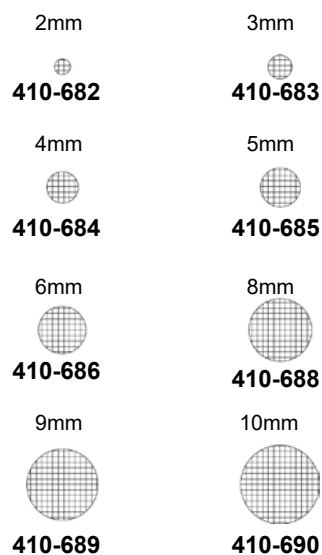
410-648
240mm, 9 1/2"

Kopf Ø 30mm	Gewicht 480g
head Ø 30mm	weight 480g
cabeza Ø 30mm	peso 480g
tete Ø 30mm	poids 480g

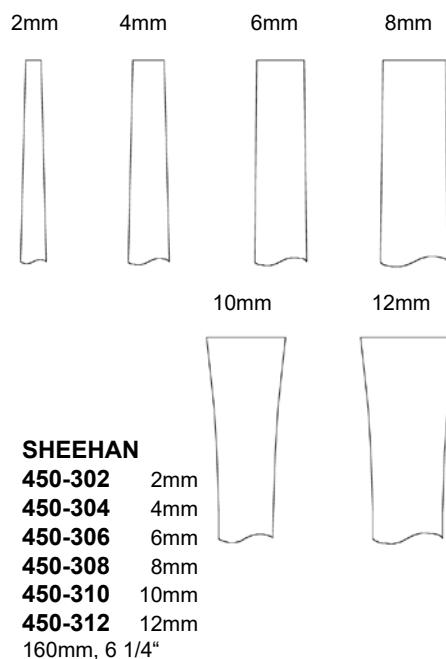


410-656
265mm, 10 1/2"

Kopf Ø 30/42mm	Gewicht 650g
head Ø 30/42mm	weight 650g
cabeza Ø 30/42mm	peso 650g
tete Ø 30/42mm	poids 650g



410-682 2mm
410-683 3mm
410-684 4mm
410-685 5mm
410-686 6mm
410-688 8mm
410-689 9mm
410-690 10mm
160mm, 6 1/4"



FREER
440-500
165mm, 6 1/2"



FREER
440-501
165mm, 6 1/2"



FREER
440-504
150mm, 6 1/2"



KILLIAN
440-591
160mm, 6 1/4"



KILIAN-CLAUS
440-593
160mm, 6 1/4"

2mm



3mm



4mm



5mm

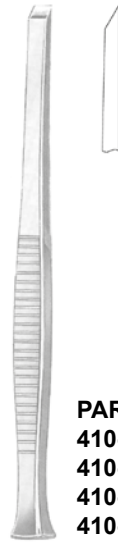


6mm



PARTSCH

410-900 2mm
410-901 3mm
410-902 4mm
410-903 5mm
410-904 6mm
135mm, 5 1/4"



PARTSCH

410-930 2mm
410-931 3mm
410-932 4mm
410-933 5mm
410-934 6mm
170mm, 6 3/4"

2mm



3mm



4mm



5mm



6mm



PARTSCH

410-910 2mm
410-911 3mm
410-912 4mm
410-913 5mm
410-914 6mm
135mm, 5 1/4"



PARTSCH

410-940 2mm
410-941 3mm
410-942 4mm
410-943 5mm
410-944 6mm
170mm, 6 3/4"



410-960
4mm

410-961
6mm

410-962
8mm

410-963
10mm

410-964
12mm

410-965
14mm

ALEXANDER
410-960 - 410-965
180mm, 7"



410-970
4mm

410-971
6mm

410-972
8mm

410-973
10mm

410-974
12mm

410-975
14mm

ALEXANDER
410-970 - 410-975
180mm, 7"



BUCKLEY

411-2612 2mm
411-2613 3mm
411-2614 4mm
160mm, 6 1/4"

Hohlmeißel
Gouges
Gubias
Gouges



BUCKLEY

411-2602 2mm
411-2603 3mm
411-2604 4mm
160mm, 6 1/4"

Osteotome
Osteotomes
Osteotomos
Osteotomes



CARROLL

440-530 3mm
440-532 6mm
440-534 10mm
440-536 12mm
140mm, 5 1/2"



CARROLL

440-540 3mm
440-542 6mm
440-544 10mm
440-546 12mm
140mm, 5 1/2"



LUCAS

410-720-04 4mm
410-720-06 6mm
160mm, 6 1/4"



LUCAS

410-722-03 3mm
410-722-04 4mm
410-722-05 5mm
160mm, 6 1/4"



EASTGRINSTEAD

453-103 3mm
453-105 5mm
180mm, 7"



EASTGRINSTEAD

453-113 3mm
453-115 5mm
180mm, 7"



LAMBOTTE		
Breite width anchura largeur	Gesamtlänge 125mm total length 125mm longitud total 125mm longueur totale 125mm	Gesamtlänge 170mm total length 170mm longitud total 170mm longueur totale 170mm
2mm	411-200	411-210
3mm	411-201	411-211
4mm	411-202	411-212
6mm	411-203	411-213
8mm	411-204	411-214
10mm	411-205	411-215
12mm	411-206	411-216
15mm	411-207	411-217

LAMBOTTE		
Breite width anchura largeur	Gesamtlänge 240mm total length 240mm longitud total 240mm longueur totale 240mm	Gesamtlänge 240mm total length 240mm longitud total 240mm longueur totale 240mm
4mm	411-220	411-240
6mm	411-221	411-241
8mm	411-222	411-242
10mm	411-223	411-243
13mm	411-224	411-244
16mm	411-225	411-245
18mm	411-226	411-246
20mm	411-227	411-247
25mm	411-228	411-248
30mm	411-229	411-249
38mm	411-230	411-250
44mm	411-231	411-251
50mm	411-233	411-252



COTTLE				
Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur			
180mm	2mm	450-319		
180mm	3mm			450-333
180mm	4mm	450-320	450-330	450-334
180mm	5mm	450-321		
180mm	6mm	450-322	450-332	
180mm	7mm	450-323		450-335
180mm	8mm	450-324		
180mm	9mm	450-325		450-336
180mm	10mm	450-326		
180mm	12mm	450-328		450-337



STILLE				
Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur			
200mm	6mm	410-796	410-816	410-836
200mm	8mm	410-798	410-818	410-838
200mm	10mm	410-800	410-820	410-840
200mm	12mm	410-802	410-822	410-842
200mm	15mm	410-804	410-824	410-844
200mm	20mm	410-806	410-826	410-846
220mm	25mm	410-808	410-828	410-848



SMITH-PETTERSON			
Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur		
200mm	6mm	411-160-06	411-161-06
200mm	9mm	411-160-09	411-161-09
200mm	13mm	411-160-13	411-161-13
200mm	16mm	411-160-16	411-161-16
200mm	19mm	411-160-19	411-161-19
200mm	25mm	411-160-25	411-161-25
220mm	32mm	411-160-32	411-161-32



SMITH-PETTERSON			
Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur		
200mm	6mm	411-162-06	411-163-06
200mm	9mm	411-162-09	411-163-09
200mm	13mm	411-162-13	411-163-13
200mm	16mm	411-162-16	411-163-16
200mm	19mm	411-162-19	411-163-19
200mm	25mm	411-162-25	411-163-25
220mm	32mm	411-162-32	411-163-32



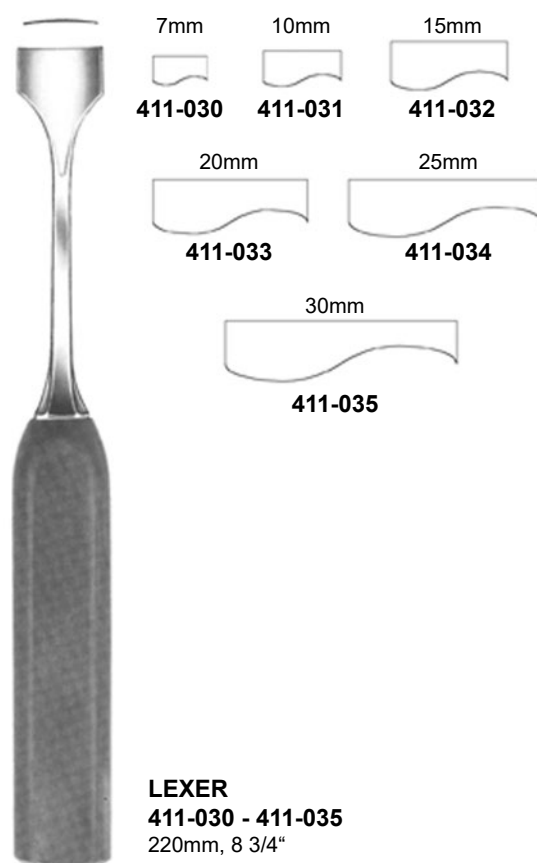
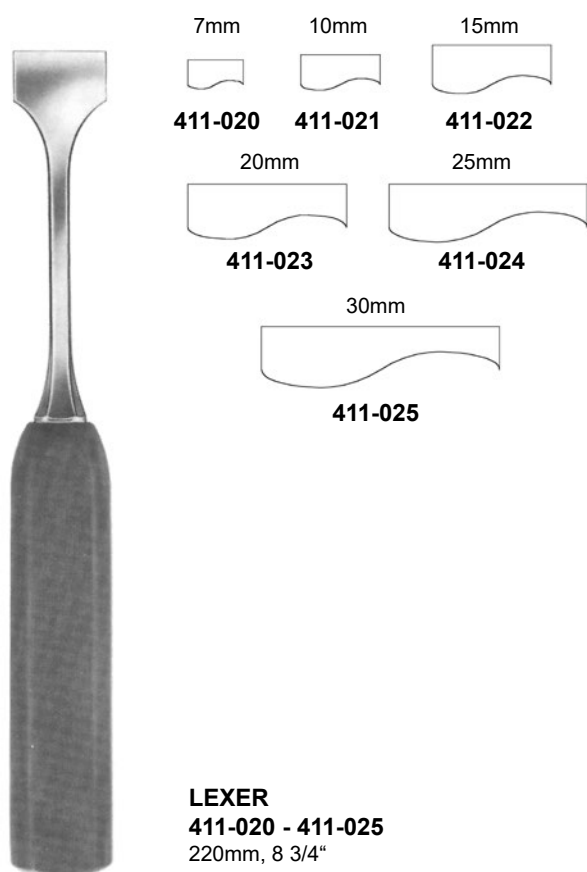
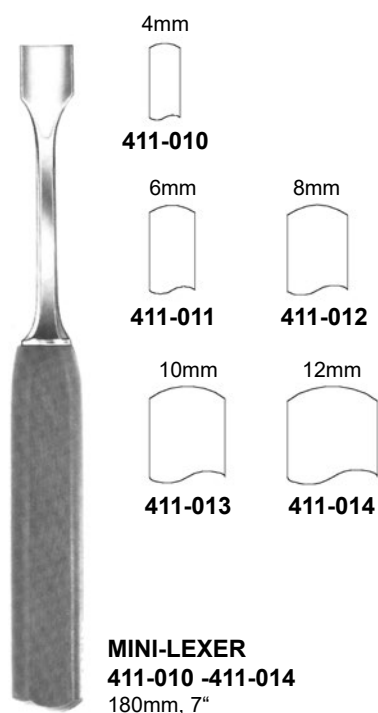
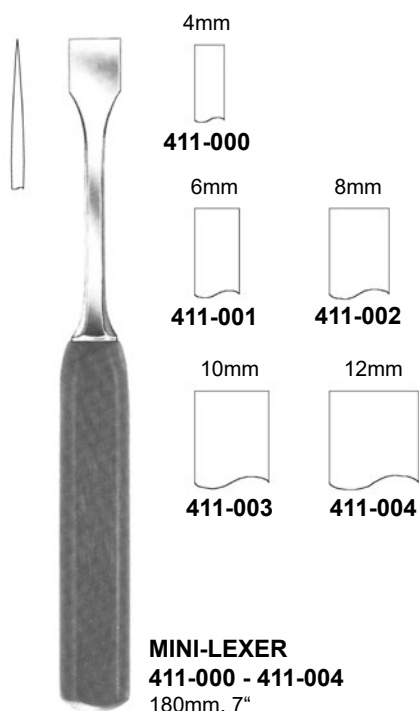
HIBBS		
Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur	
240mm	6mm	411-100
240mm	13mm	411-102
240mm	19mm	411-104
240mm	25mm	411-106
240mm	32mm	411-108

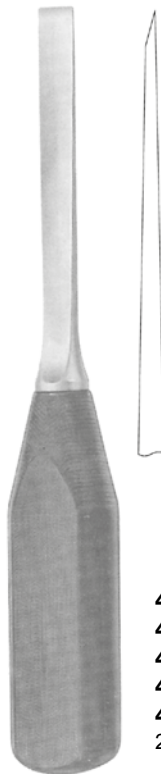


HIBBS			
Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur		
240mm	6mm	411-120	411-130
240mm	13mm	411-122	411-132
240mm	19mm	411-124	411-134
240mm	25mm	411-126	411-136
240mm	32mm	411-128	411-138



HIBBS			
Gesamtlänge total length longitud total longueur totale	Breite width anchura largeur		
240mm	6mm	411-140	411-150
240mm	13mm	411-142	411-152
240mm	19mm	411-144	411-154
240mm	25mm	411-146	411-156
240mm	32mm	411-148	411-158





411-2620 4mm
411-2622 6mm
411-2624 10mm
411-2626 15mm
411-2628 20mm,
200mm,



411-2621 4mm
411-2623 6mm
411-2625 10mm
411-2627 15mm
411-2629 20mm,
200mm,



5mm
411-050

10mm
411-052

15mm
411-054

LEXER
411-050 - 411-054
250mm, 10"



5mm
411-051

10mm
411-053

15mm
411-055

LEXER
411-051 - 411-055
250mm, 10"



COBB
411-080
280mm, 11"



COBB
411-081
280mm, 11"



COBB
411-082
280mm, 11"



COBB
411-083
280mm, 11"



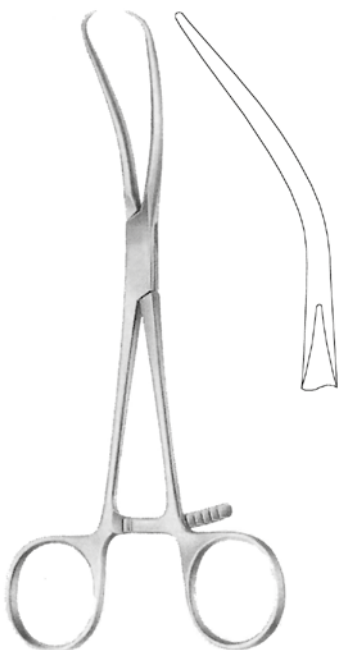
411-3121
95mm



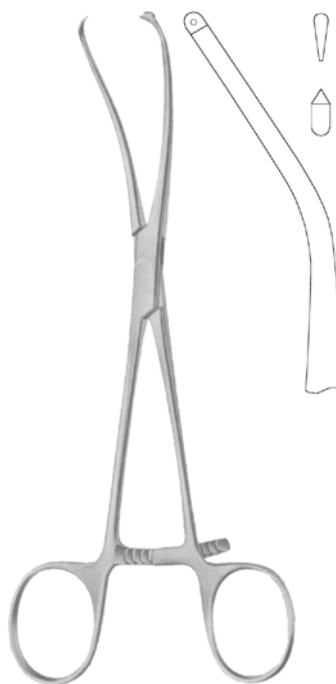
411-303
130mm, 5 1/4"



411-307
145mm, 5 3/4"



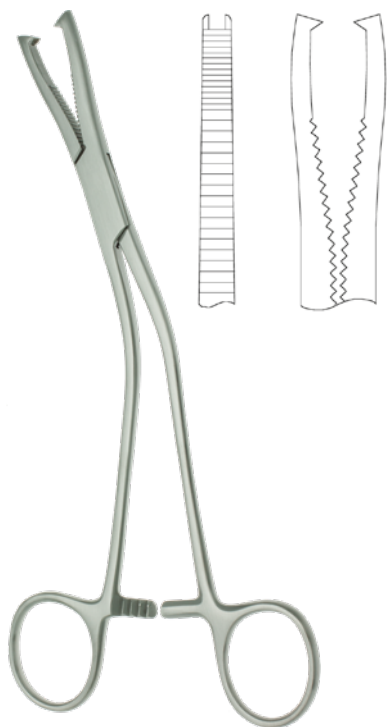
411-308
170mm, 6 3/4"



411-3046
170mm, 6 3/4"



411-313
205mm, 8"



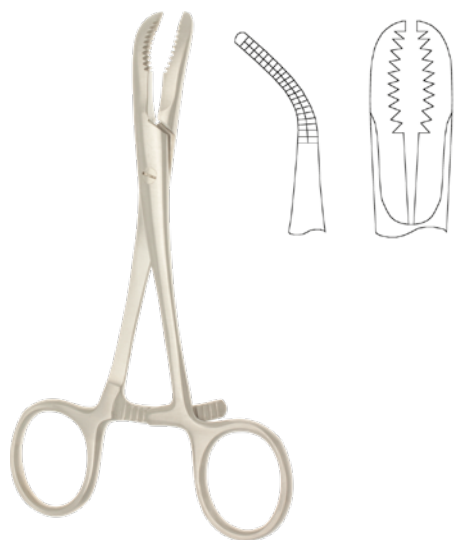
DINGMANN
411-310
190mm, 7 ½"



LEWIN
411-330
180mm, 7"



411-309
135mm, 5 ¼"



411-319
140mm, 5 ½"



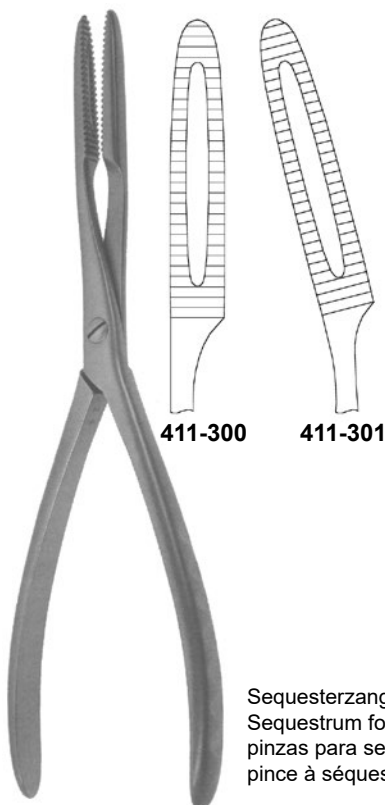
LANGENBECK
411-322
210mm, 8 1/4"



FERGUSON
411-324
210mm, 8 1/4"



411-320
200mm, 8"



411-300 200mm, 8"
411-301 200mm, 8"

Sequesterzange
Sequestrum forceps
pinzas para secuestro
pinces à séquestre



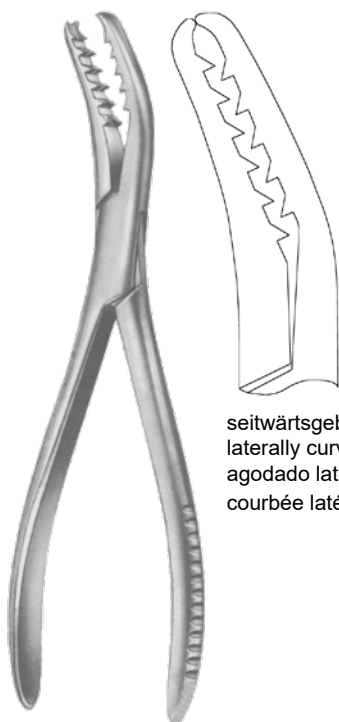
VAN BUREN
411-305
225mm, 8 3/4"

Sequesterzange
Sequestrum forceps
pinzas para secuestro
pinces à séquestre

max. Öffnung 15mm
max. opening 15mm
max. abertura 15mm
max. écartement 15mm



LAHEY
411-316
135mm, 5 ¼"

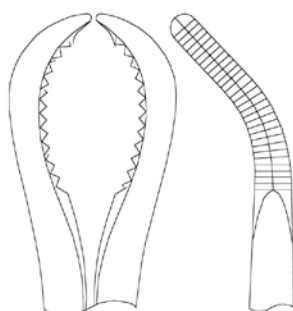


seitwärtsgebogen
laterally curved
agodado lateralmente
courbée latéralement

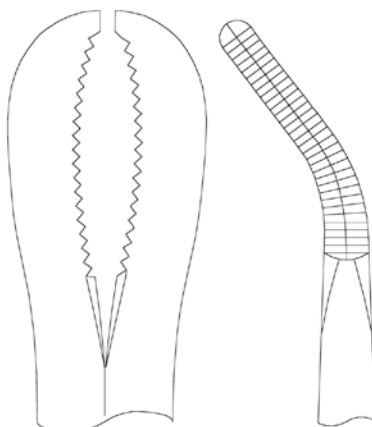
SEMB
250-900
190mm, 7 ½"



SEMB
250-901
190mm, 7 ½"

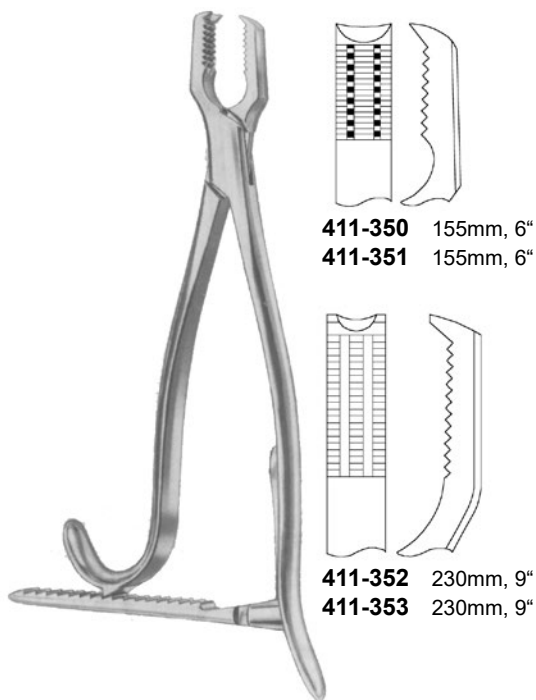


411-317



411-318

411-317 170mm, 6 ¾"
411-318 240mm, 9 ½"



411-350 155mm, 6"

411-351 155mm, 6"

411-352 230mm, 9"

411-353 230mm, 9"

KERN

411-350

411-352

ohne Sperre
without ratchet
sin cremallera
sans crémaillère

411-351

411-353

mit Sperre
with ratchet
con cremallera
avec crémaillère



LANE

411-356

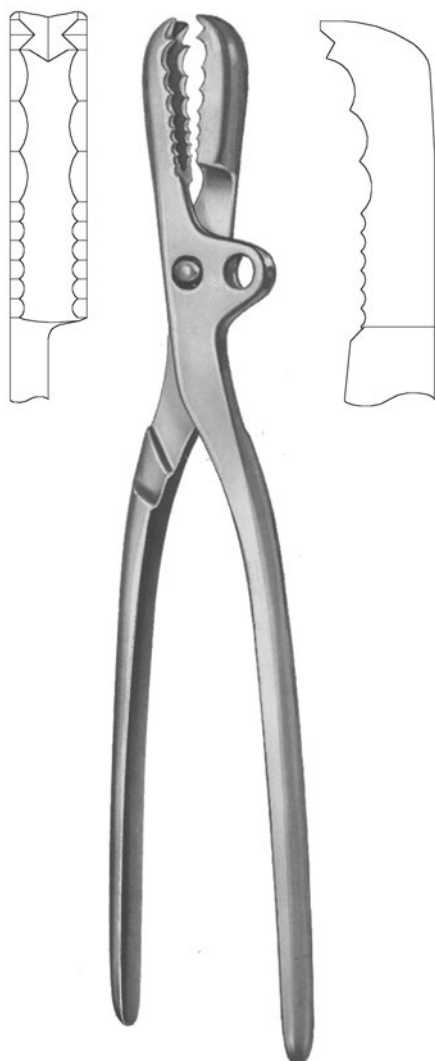
330mm, 13"

ohne Sperre
without ratchet
sin cremallera
sans crémaillère

411-357

330mm, 13"

mit Sperre
with ratchet
con cremallera
avec crémaillère



FARABEUF

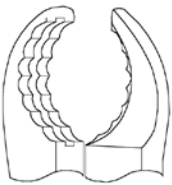
411-341 230mm, 9"

411-342 260mm, 10 1/4"

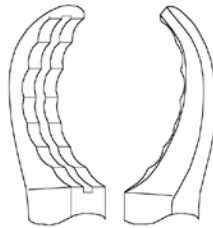


FARABEUF-LAMBOTTE

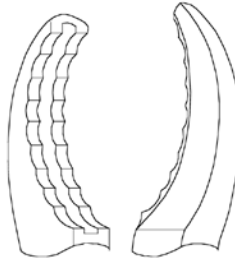
411-340 260mm, 10 1/4"



411-390
411-391



411-392
411-393



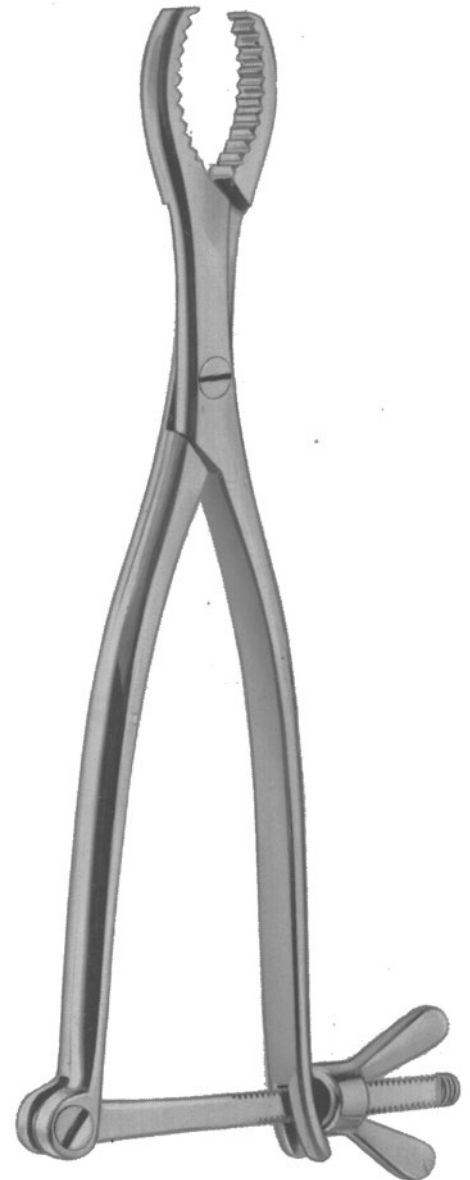
411-394
411-395



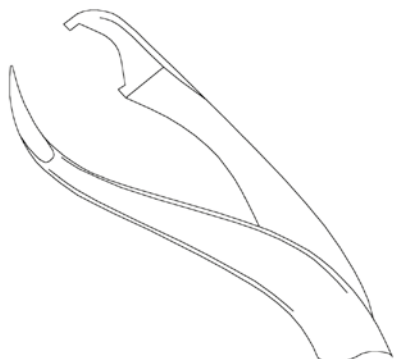
ULRICH
411-390 230mm, 9"
411-392 250mm, 10"
411-394 280mm, 11"



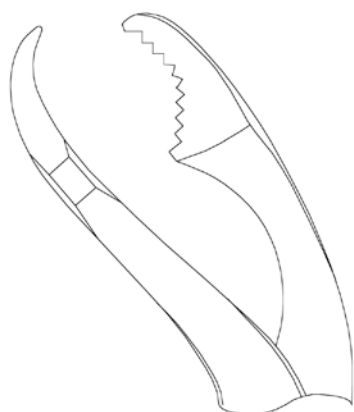
ULRICH
411-391 220mm, 8 3/4"
411-393 240mm, 9 1/2"
411-395 270mm, 10 3/4"



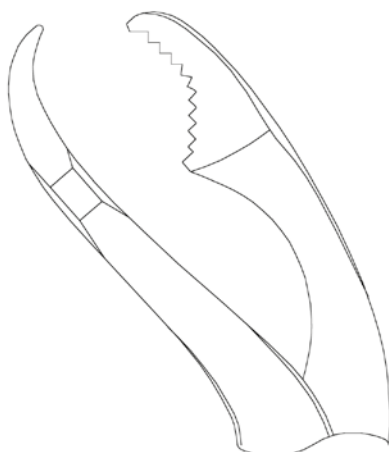
HEY-GROVES
411-345 200mm, 8"
411-346 250mm, 10"
411-347 305mm, 12"



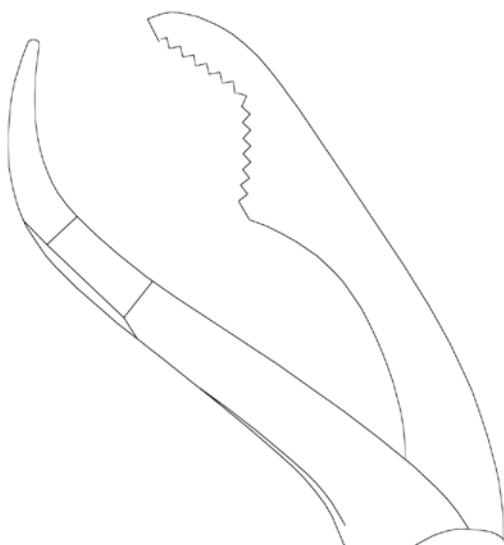
411-370



411-371



411-372



411-373



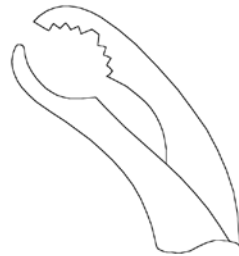
VERBRUGGE
411-370 175mm, 7"



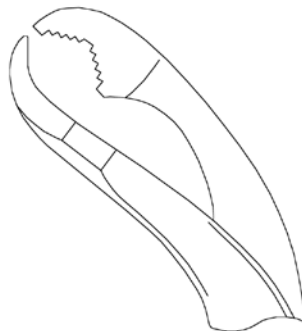
VERBRUGGE
411-371 255mm, 10"
411-372 265mm, 10 1/2"
411-373 275mm, 10 3/4"



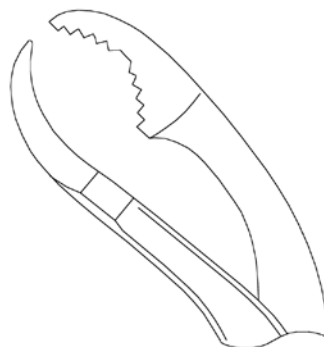
- 411-375** 150mm, 6"
- 411-376** 190mm, 7 1/2"
- 411-377** 240mm, 9 1/2"
- 411-378** 260mm, 10 1/4"
- 411-379** 280mm, 11"



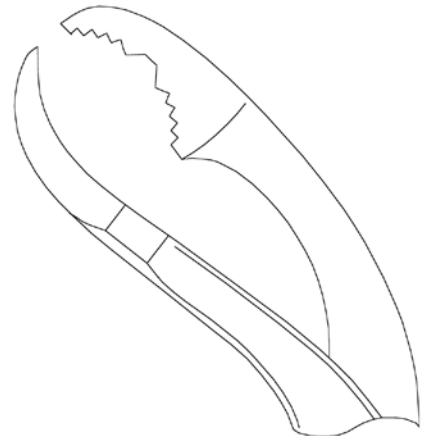
411-375



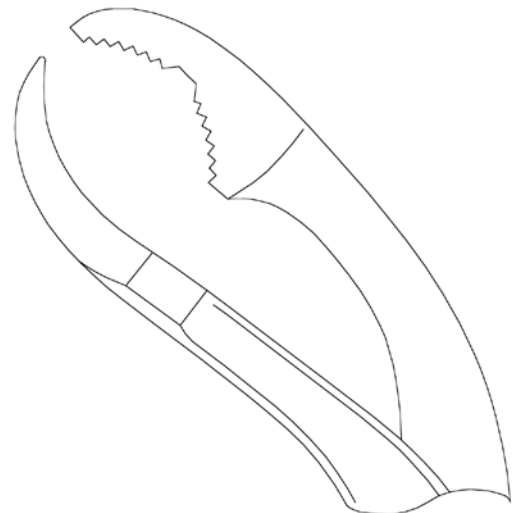
411-376



411-377



411-378



411-379



LOWMAN

- 411-400** 120mm, 4 $\frac{3}{4}$ "
- 411-401** 185mm, 7 $\frac{1}{4}$ "
- 411-402** 200mm, 8"
- 411-403** 220mm, 8 $\frac{3}{4}$ "



beweglich
movable
movible
mobile

LOWMAN-HOGLUND

- 411-411** 185mm, 7 $\frac{1}{4}$ "
- 411-412** 200mm, 8"



GERSTER 411-450

Distraktionsklammer für Knochenklemmen.
Traction bar for Lowman bone clamps.
Barra de tracción para pinzas Lowman.
Tracteur pour daviers Lowman.



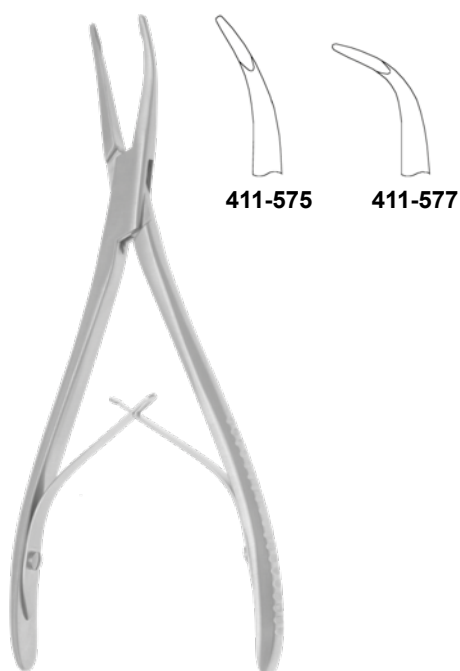
MINI FRIEDMANN
411-505 125mm, 5"



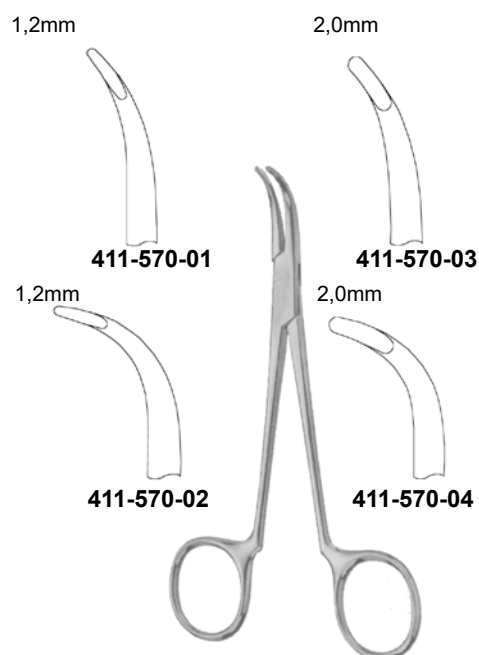
FRIEDMANN
411-507 135mm, 5 1/4"
411-509 135mm, 5 1/4"



LUER
411-539 145mm, 5 3/4"
411-541 145mm, 5 1/4"
411-543 145mm, 5 3/4"



STELLBRINK
411-575 175mm, 6 3/4"
411-577 170mm, 6 3/4"



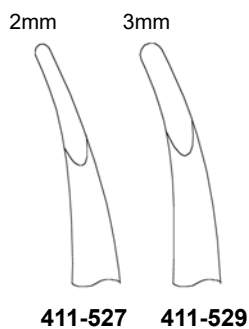
411-570-01 1,2mm
411-570-02 1,2mm
411-570-03 2,0mm
411-570-04 2,0mm
 130mm, 5 1/8"



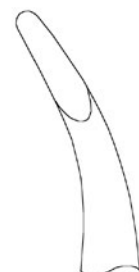
HARTMANN
411-503 175mm, 6 7/8"



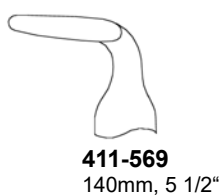
BEYER
411-527 175mm, 6 7/8"
411-529 175mm, 6 7/8"



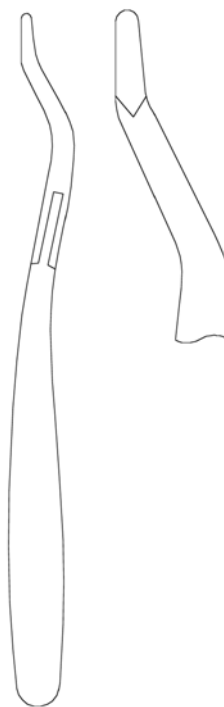
JANSEN
411-510 175mm, 6 7/8"
411-511 175mm, 6 7/8"

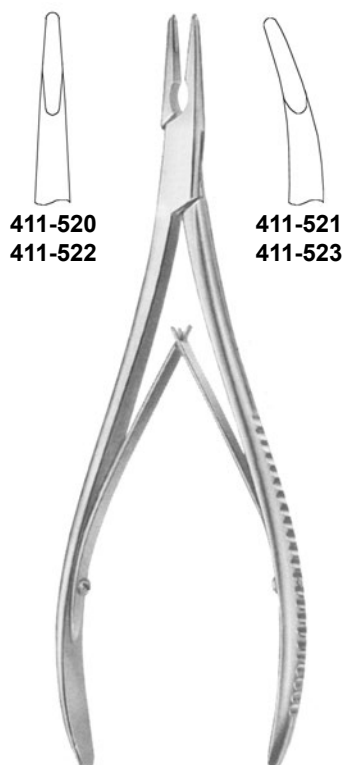


BLUMENTHAL
411-565 - 411-569



JANSEN
411-513 190mm, 7 1/2"





411-520
411-522

411-521
411-523

LEMPERT

411-520 160mm, 6 1/4"

411-522 190mm, 7 1/2"

411-521

411-523



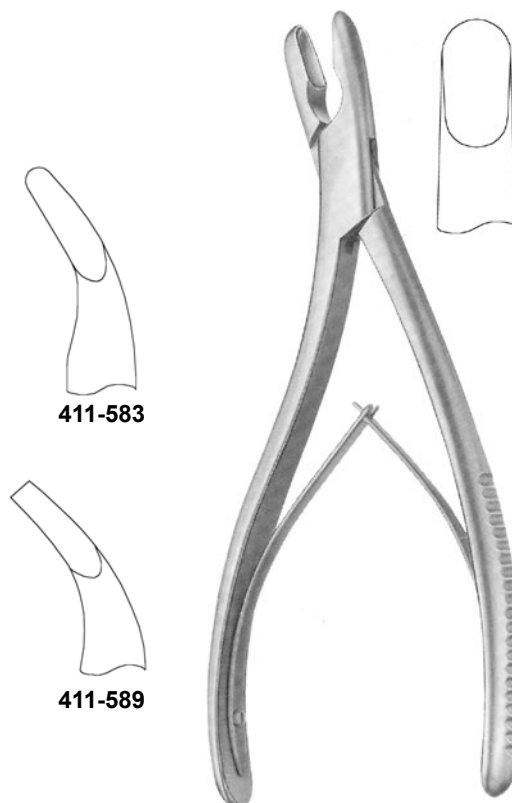
411-583

411-589

MEAD

411-583 165mm, 6 1/2"

411-589 165mm, 6 1/2"



NORTHFIELD

411-553 210mm, 8 1/4"



8mm

8mm

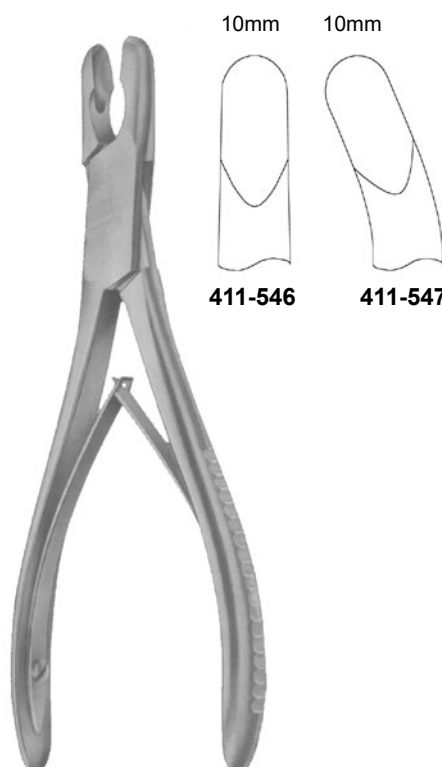
411-548

411-549

LUER

411-548 175mm, 6 7/8"

411-549 175mm, 6 7/8"



10mm

10mm

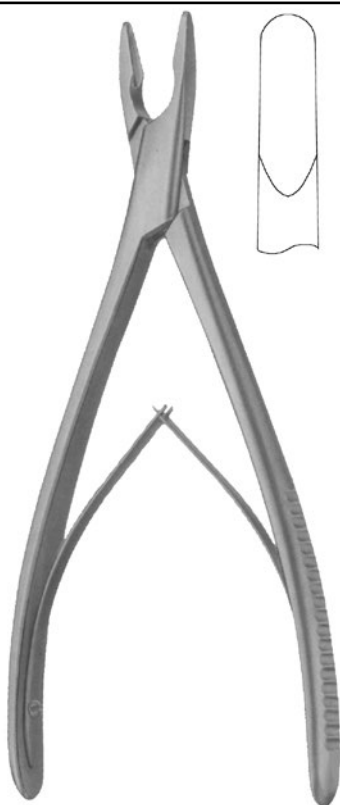
411-546

411-547

LUER

411-546 180mm, 7"

411-547 180mm, 7"



ADSON
343-714 205mm, 8"

Schädel Rongeur
Cranial Rongeur
Gubia craneal
Rongeur cranién



OLIVECRONA
411-535 205mm, 8"

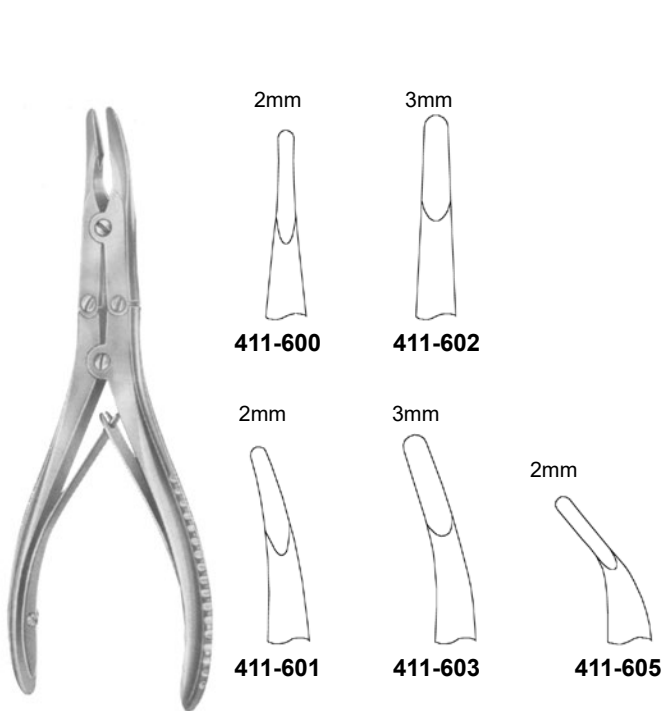


CLEVELAND
411-593 135mm, 5 1/4"
411-595 165mm, 6 1/2"



STOOKEY **BACON**
343-711 200mm, 8" **343-713**

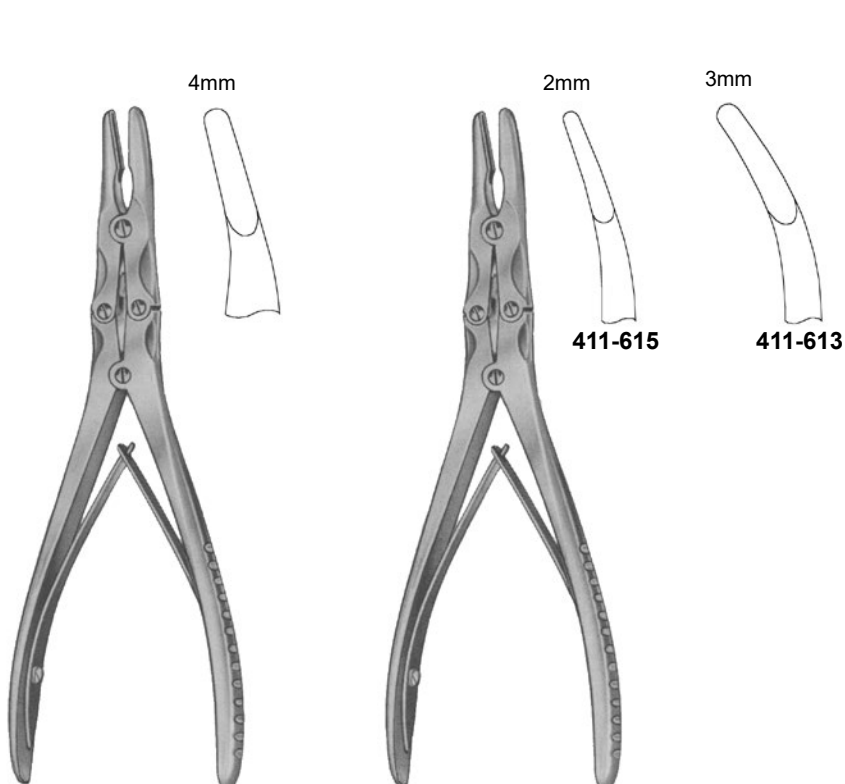
Schädel Rongeur
Cranial Rongeur
Gubia craneal
Rongeur cranién



BOEHLER
411-600 - 411-605
150mm, 6"



MAYFIELD
411-611 170mm, 6 3/4"



ZAUFAL-JANSEN
411-617 180mm, 7"

BEYER
411-613 - 411-615
180mm, 7"



MARQUART
411-619 200mm, 8"



RUSKIN
411-620 - 411-625
180mm, 7"

4mm



411-620

6mm



411-624

4mm



411-621

6mm



411-625



ROETTGEN-RUSKIN
411-631
240mm, 9 1/2"

5mm



RUSKIN-STILLE
411-632-411-633
240mm, 9 1/2"

7mm

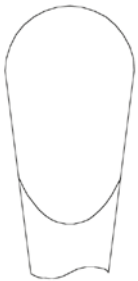


411-632

7mm



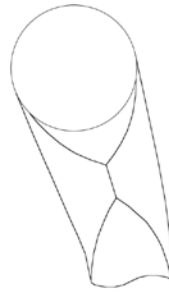
411-633



411-670
411-672



411-671
411-673



411-681

10mm



411-660

10mm



411-661



STILLE LUER
411-670 230mm, 9" **411-671**
411-672 270mm, 10 1/2" **411-673**



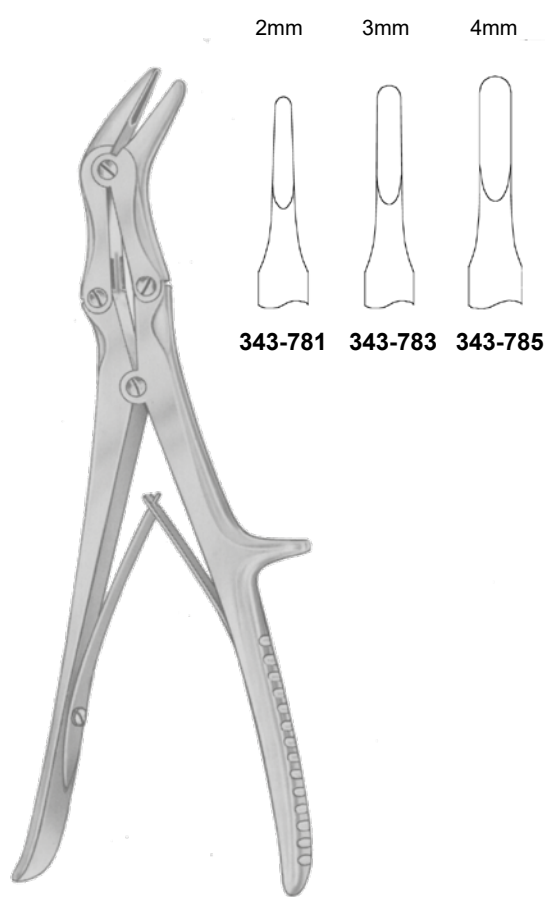
SEMB
411-681 235mm, 9 1/4"



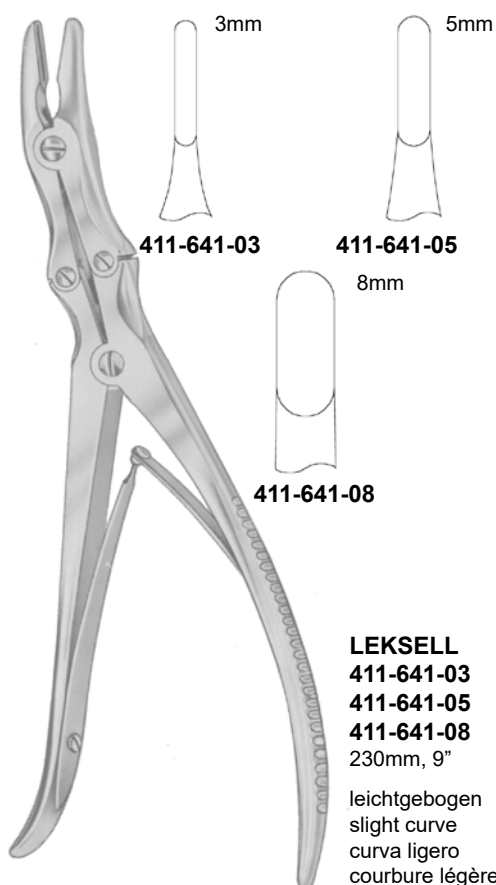
STILLE LUER
411-660 225mm, 8 3/4" **411-661**



STILLE
411-651 230mm, 9"

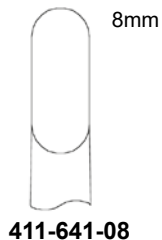


ECHLIN
343-781 - 343-785
230mm, 9"



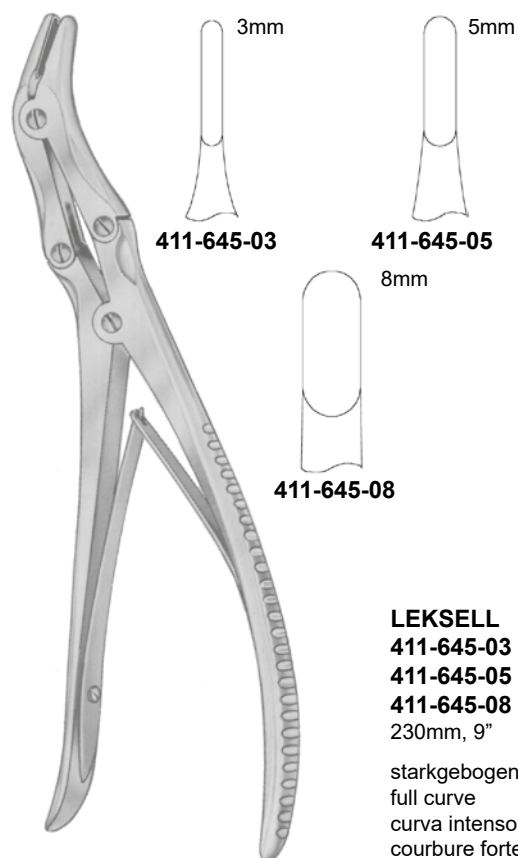
411-641-03

411-641-05



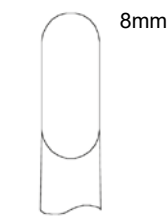
411-641-08

LEKSELL
411-641-03 3mm
411-641-05 5mm
411-641-08 8mm
230mm, 9"
leichtgebogen
slight curve
curva ligero
courbure légère



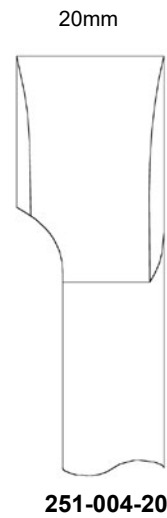
411-645-03

411-645-05

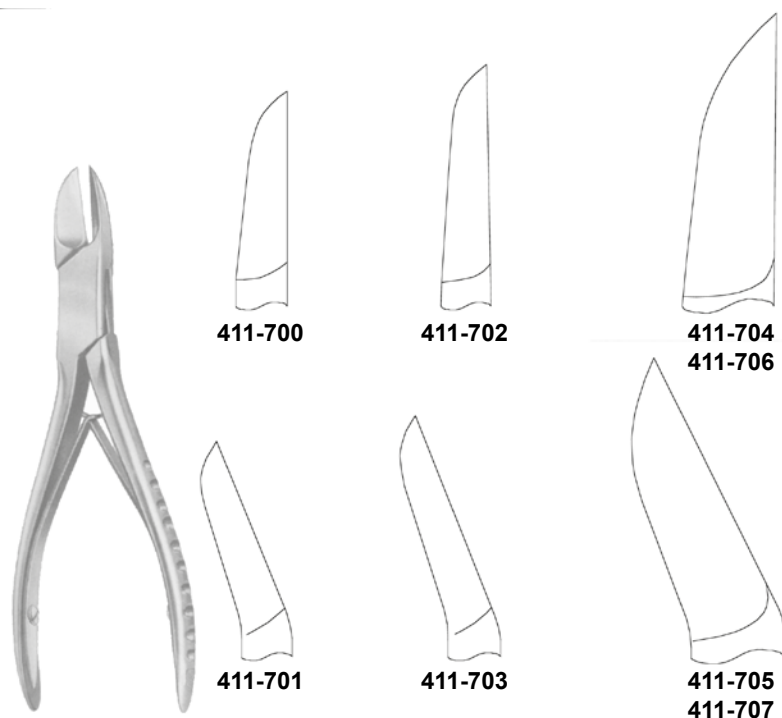


411-645-08

LEKSELL
411-645-03 3mm
411-645-05 5mm
411-645-08 8mm
230mm, 9"
starkgebogen
full curve
curva intenso
courbure forte

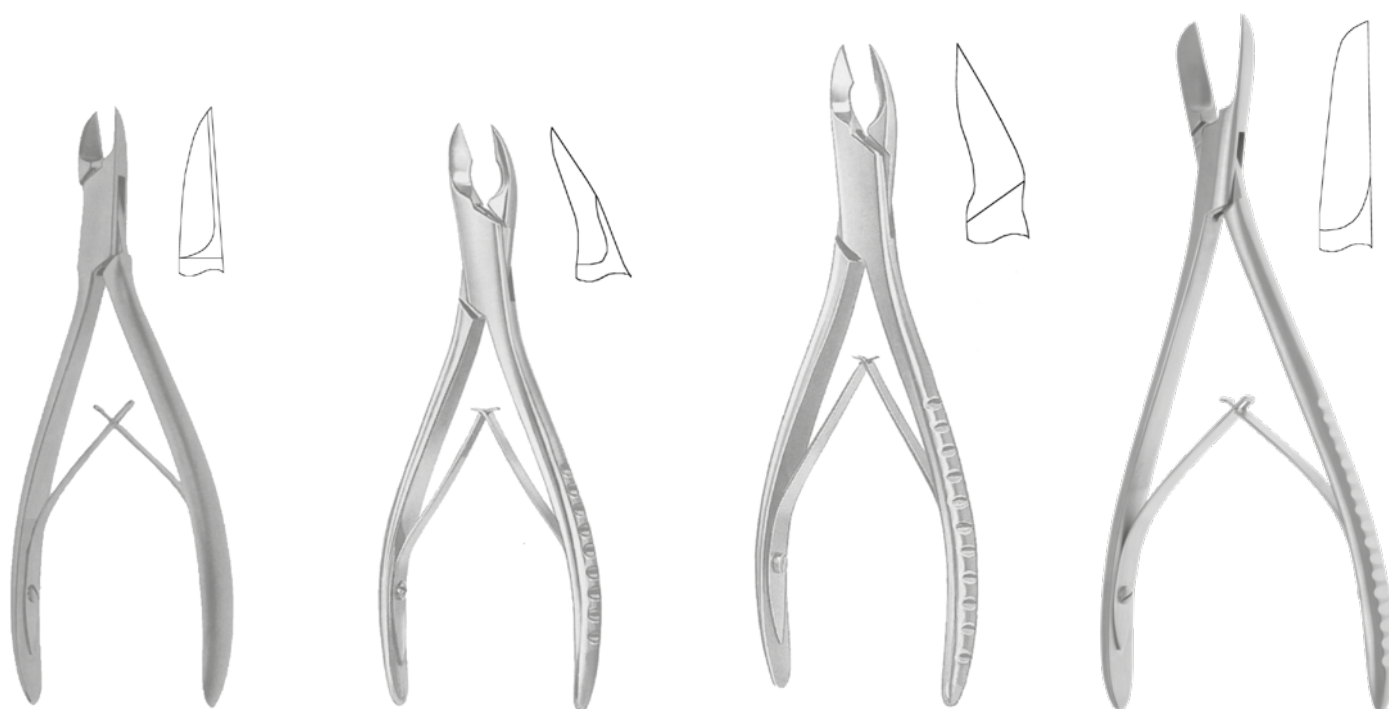


SAUERBRUCH
251-002-20 310mm, 12 1/4" 251-004-20



LISTON

411-700	140mm, 5 1/2"
411-701	140mm, 5 1/2"
411-702	170mm, 6 3/4"
411-703	170mm, 6 3/4"
411-704	200mm, 8"
411-705	200mm, 8"
411-706	220mm, 8 3/4"
411-707	220mm, 8 3/4"



LITTAUER-LISTON
411-710
150mm, 6"

CLEVELAND
411-749
150mm, 6"

CLEVELAND
411-751
170mm, 6 3/4"

KAZANJIAN
451-120
185mm, 7 1/4"



411-800



411-801

BOEHLER
411-800 - 411-801
150mm, 6"

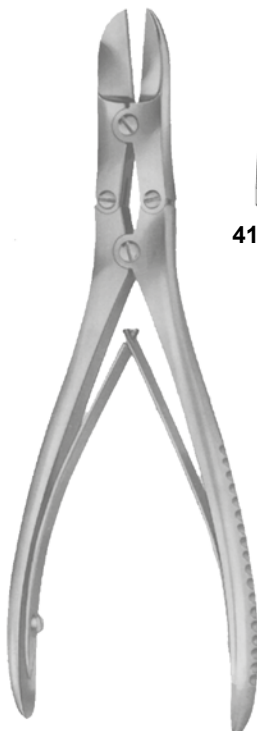


411-810



411-811

MC INDOE
411-810 - 411-811
175mm, 7"



411-822



411-823

RUSKIN-LISTON
411-822 - 411-823
180mm, 7 1/2"



411-820



411-821

ROWLAND
411-820 - 411-821
180mm, 7"



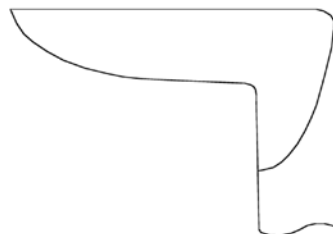
411-830
270mm, 10 3/4"



411-829
235mm, 9 1/4"



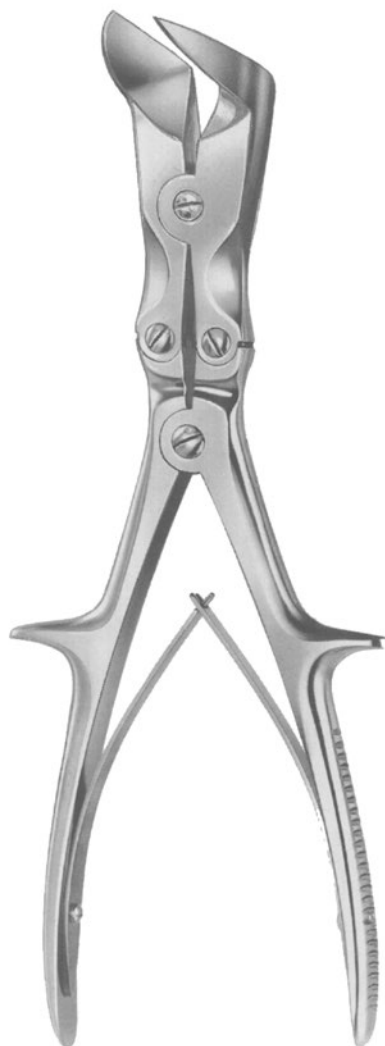
411-831
270mm, 10 3/4"



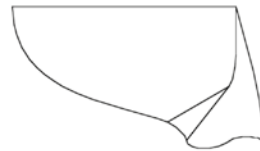
411-833
260mm, 10 1/4"



LISTON
411-829 235mm, 9 1/4"
411-830 270mm, 10 3/4"
411-831 270mm, 10 3/4"



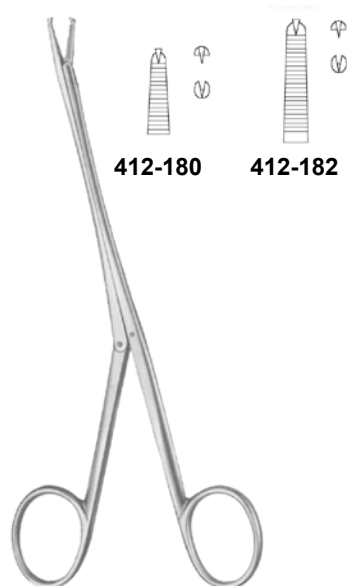
LISTON
411-833
260mm, 10 1/4"



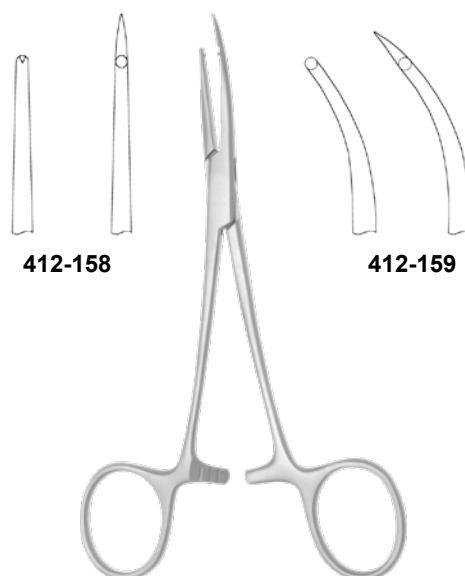
**STILLE-HORSLEY
(TUDOR EDWARDS)**
411-840
260mm, 10 1/4"



SEMB
411-850
240mm, 9 1/2"



BRAND
412-180 150mm, 6"
412-182 190mm, 7 1/2"



412-158 – 412-159
150mm, 6"



CARROLL
412-127

Nutzlänge 110mm, 4 3/8"
working length 110mm, 4 3/8"
longitud de utilitario 110mm, 4 3/8"
longeur utilitaire 110mm, 4 3/8"



längs durchbohrt
cannulated
barrenado oblongo
perforation axiale

mit Schlüssel
with key
con llave
avec clef

412-538 130mm

Spannweite bis Ø 6,35mm
for shanks up to 6,35mm
aperture hasta Ø 6,35mm
passage jusqu'a Ø 6,35mm



Ø 2,5 - 3,5mm

412-586 160mm, 6 1/4"



412-588 140mm, 5 4/8"



PERTHES

412-580 180mm, 7"

412-581 215mm, 8 1/2"



**BUNNEL
412-500**

längsdurchbohrt, Spannweite bis Ø 4mm mit Schlüssel (412-501)
cannulated for shanks up to 4mm with key (412-501)
barrenado oblongo, apertura hasta Ø 4mm on llave (412-501)
passage jusqu'a Ø 4mm, avec clef (412-501)



**RALK
412-520**

längsdurchbohrt, Spannweite bis Ø 6,35mm mit Schlüssel (412-521)
cannulated for shanks up to 6,35mm with key (412-521)
barrenado oblongo, aperture hasta Ø 6,35mm con llave (412-521)
passage jusqu'a 6,35mm, avec clef (412-521)



412-510

275mm, 10 1/4"

Spindel längsdurchbohrt, Spannweite bis 6,00mm
Cannulated spindle for shanks up to 6,00mm
huso barrenado oblongo, aperture hasta Ø 6,00mm
passage de fuseau et mâchoire jusqu'a 6,00mm

2,5mm

3,5mm



412-604 170mm, 6 3/4"
412-606 250mm, 10"

412-600 250mm, 10"
412-601 200mm, 8"

412-602 250mm, 10"
412-603 200mm, 8"

412-608 250mm, 10"

PHILIPS
412-610 250mm, 10"



gewebeverträglich
tissue compatible
inofensivo para tejido
blen toléré par les tissus

Ømm	Ø gauge	
0,2	31G	413-002
0,3	29G	413-003
0,4	27G	413-004
0,5	25G	413-005
0,6	23G	413-006
0,7	22G	413-007
0,8	21G	413-008
0,9	20G	413-009
1,0	19G	413-010
1,2	18G	413-012
1,5		413-015

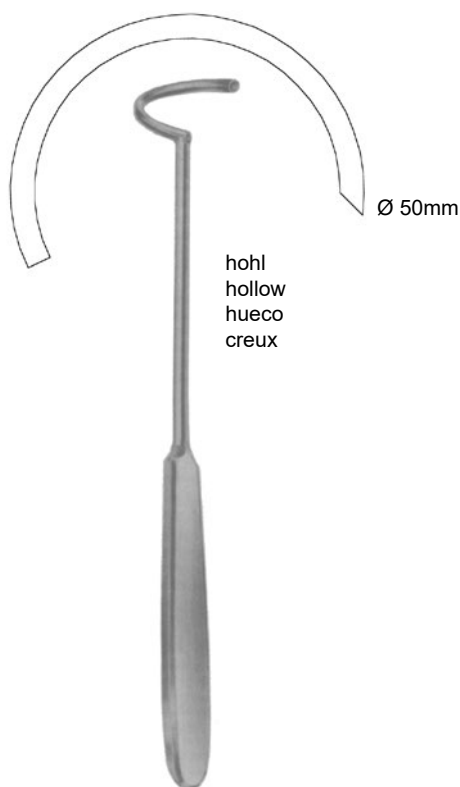
Cerclage-Drähte, weich, Ringe zu 10 m
Bone wires, soft, coils of 10 m
Hilos de cerclaje blandos rollos de 10 m
Fil pour cerclage, souple, rouleaux de 10 m



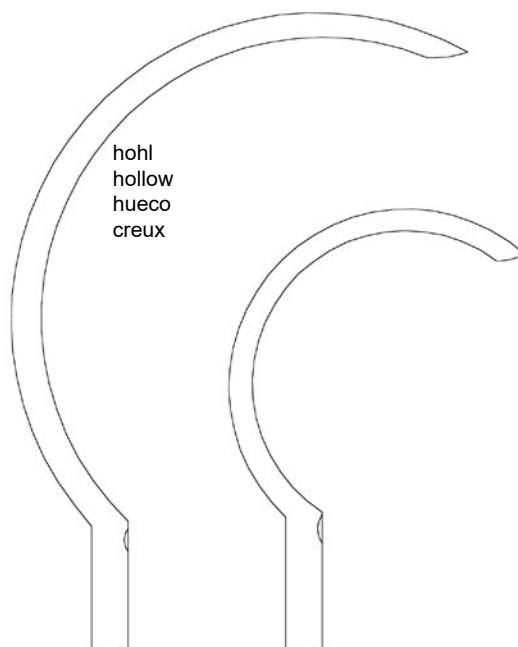
LOUTE
413-100
210mm, 8 1/4"



DEMEL
413-120
280mm, 11"



DEMEL
413-072
230mm, 9"

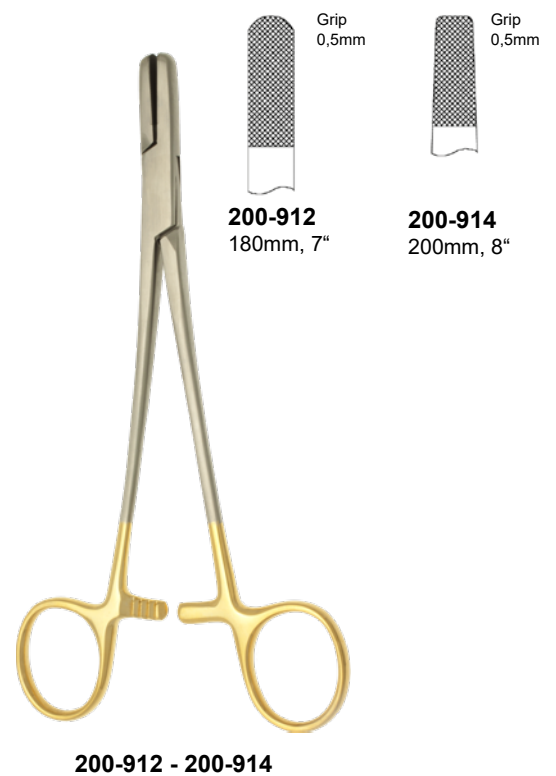
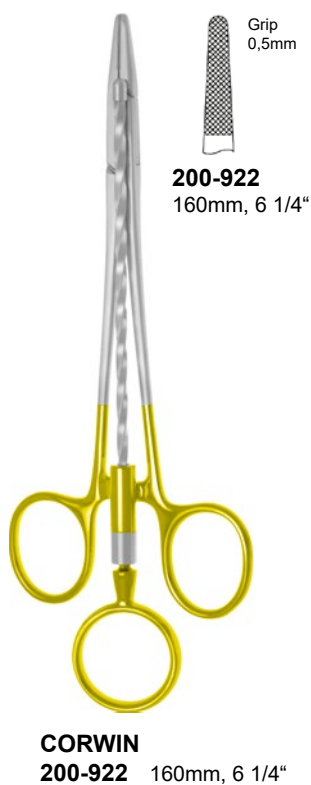
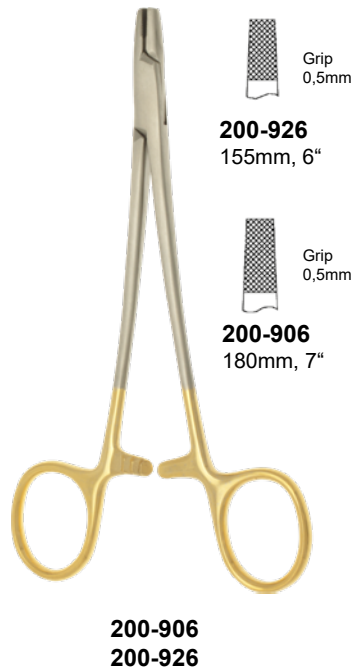
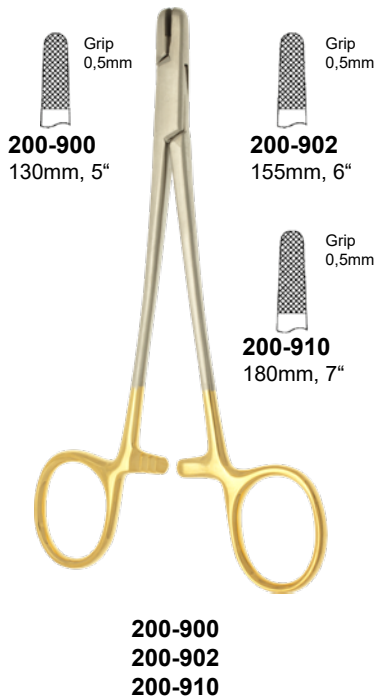


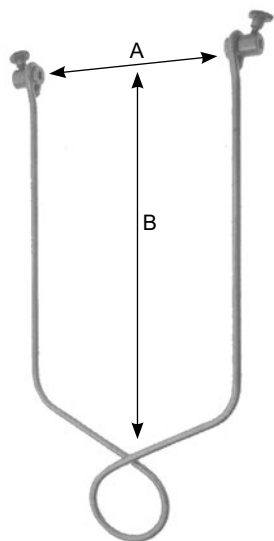
413-065
Ø 80mm

413-062
Ø 45mm



DEMEL
413-062 240mm, 9 1/2"
413-065 270mm, 10 3/4"





**BÖHLER
413-600**
90 x 160mm
3 1/2" x 6 1/4"

für Arm
for arm
para brazo
pour bras

**BÖHLER
413-601**
110 x 210mm
4 3/8" x 8 1/4"

für Oberschenkel und Knie
for thigh and knee
para muslo y de la rodilla,
pour femur et genou

**BÖHLER
413-602**
150 x 210mm
6" x 8 1/4"

für Oberschenkel und Knie
for thigh and knee
para muslo y de la rodilla
pour femur et genou

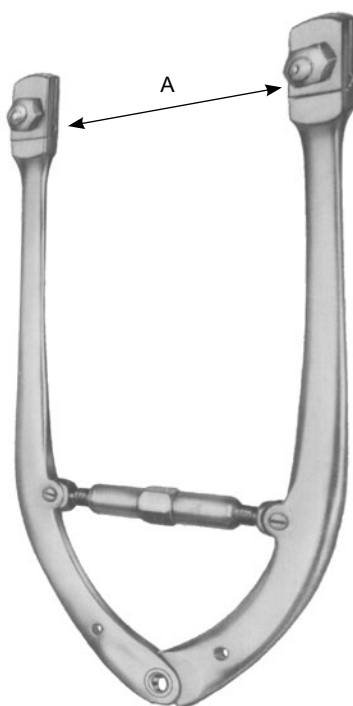


413-631



413-661 - 413-663

mit 3 Zughaken
with 3 traction hooks
con 3ganchos de tracción
avec 3 crochets de traction



413-650 - 413-651

STEINMANN

Packungen zu je 10 Stück.
packages of 10 pieces.
Paquete de 10 piezas.
Paquets de 10 pièces.

mm	Ø 4mm
80	416-0508
100	416-0510
120	416-0512
140	416-0514
150	416-0515
160	416-0516
180	416-0518
200	416-0520
210	416-0521
250	416-0525
300	416-0530

mit Trokarspitze und 3kant Schaft
with trocar point and triangular shaft
con punta trocar y vastago triangular
à pointe triangulaire, extrémité triangulaire

KIRSCHNER				
	A			A
413-661	65 - 120mm		413-650	40 - 135mm
413-662	90 - 200mm		413-651	70 - 190mm
413-663	90 - 250mm			

für Kirschner Drähte bis Ø 2,5mm; for Kirschner wires up to 2,5mm diam.
para agujas Kirschner hasta Ø 2,5mm; pour broches Kirschner jusqu'à 2,5mm Ø

TROKARSPITZE, TROCAR POINT
PUNTAS DE TROCAR, POINTE DE TROCARTE

Ømm diam.	100mm 4"	150mm 6"	310mm 12 ½"
0,8	419-0038	419-0138	419-0308
1,0	419-0040	419-0140	419-0310
1,2	419-0042	419-0142	419-0312
1,4	419-0044	419-0144	419-0314
1,5	419-0045	419-0145	419-0315
1,6	419-0046	419-0146	419-0316
1,8	419-0048	419-0148	419-0318
2,0	419-0050	419-0150	419-0320
2,2	419-0052	419-0152	419-0322
2,5	419-0055	419-0155	419-0325
3,0	419-0060	419-0160	419-0330

RUNDES ENDE, ROUND SHAFT
CON VASTAGO, REDONDO, A EXTREMITE RONDE

TROKARSPITZE, TROCAR POINT
PUNTAS DE TROCAR, POINTE DE TROCARTE

Ømm diam.	150mm 6"	310mm 12 ½"
0,8	419-1138	419-1308
1,0	419-1140	419-1310
1,2	419-1142	419-1312
1,4	419-1144	419-1314
1,5	419-1145	419-1315
1,6	419-1146	419-1316
1,8	419-1148	419-1318
2,0	419-1150	419-1320
2,2	419-1152	419-1322
2,5	419-1155	419-1325
3,0	419-1160	419-1330

MIT FLACHEM ENDE, WITH FLAT SHAFT
CON TERMINO PLANMO, A EXTREMITE PLATE

Sämtliche Bohrdrähte auch in anderen Längen lieferbar!
On request, available in any other length needed!
Entregable en otras medidas!
Livrables, sur demande, dans toute autre longueur!

Packungen zu je 10 Stück.
packages of 10 pieces.
Paquete de 10 piezas.
Paquets de 10 pièces.

BEIDSEITIG TROKAR, DOUBLE TROCAR POINT
PUNTAS DE TROCAR, DOBLE, POINTE DE TROCARTE, DOUBLE

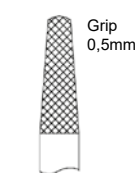
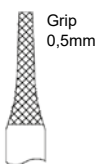
Ømm diam.	100mm 4"	150mm 6"	230mm 9"	310mm 12 ½"
0,8	419-2038	419-2138	419-2208	419-2308
1,0	419-2040	419-2140	419-2210	419-2310
1,2	419-2042	419-2142	419-2212	419-2312
1,4	419-2044	419-2144	419-2214	419-2314
1,5	419-2045	419-2145	419-2215	419-2315
1,6	419-2046	419-2146	419-2216	419-2316
1,8	419-2048	419-2148	419-2218	419-2318
2,0	419-2050	419-2150	419-2220	419-2320
2,2	419-2052	419-2152	419-2222	419-2322
2,5	419-2055	419-2155	419-2225	419-2325
3,0	419-2060	419-2160	419-2230	419-2330

Bohrdrahtspender für Bohrdrähte Ø x Länge
Wire dispenser for wire drills diam.x length
Dispensador para agujas Ø x longitud
Distributeur pour broches Ø x longueur
Distributore per Ø e lunghezza punta

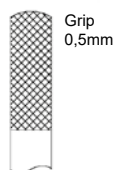
Ø mm	180mm 7"	330mm 13 ¼"
0,8	419-5418-08	419-5433-08
1,0	419-5418-10	419-5433-10
1,2	419-5418-12	419-5433-12
1,4	419-5418-14	419-5433-14
1,6	419-5418-16	419-5433-16
1,8	419-5418-18	419-5433-18
2,0	419-5418-20	419-5433-20
2,2	419-5418-22	419-5433-22
2,5	419-5418-25	419-5433-25



413-177
180mm, 7"



413-178
180mm, 7"



413-179
180mm, 7"

TUNGSTENGRIP 413-177 – 413-179

mit Hartmetalleinlagen,
with tungsten carbide inserts
con capas de carburo tungsteno
avec inserts en carbure de tungstène



413-170 - 413-174



413-170
145mm, 5 3/4"



413-171
180mm, 7"



413-172
180mm, 7"



413-173
180mm, 7"



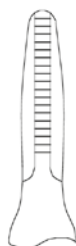
413-174
180mm, 7"



413-153 – 413-154



413-153
130mm, 5"



413-154
180mm, 7"



413-150
150mm, 6"



413-152
150mm, 6"



413-158
140mm, 5 ½"



413-160

170mm, 6 ¾"



413-161

170mm, 6 ¾"



413-165
190mm, 7 ½"



413-134
185mm, 7 ¼"



413-135
170mm, 6 ¾"



413-130
185mm, 7 ¼"

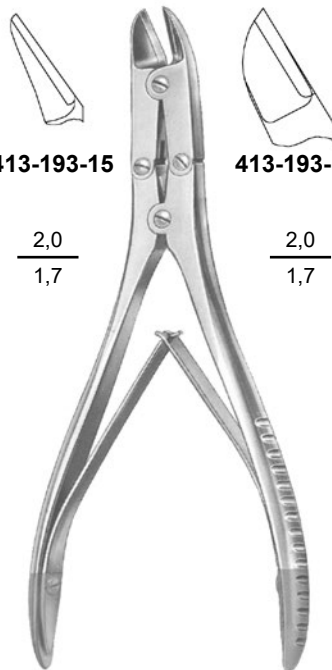
TUNGSTENCUT



Kopf- und Seitenschneider
front and lateral cutter
Alicate de corte frontal y lateral
Pince a couper frontale et latérale

$\frac{2,0}{1,5}$

413-192
180mm, 7"



413-193-15

$\frac{2,0}{1,7}$

413-193-18

$\frac{2,0}{1,7}$

413-193-15 155mm, 6 1/4"

413-193-18 180mm, 7"

für weichen Draht bis Ømm
for soft wire up to mm diam.
para blandos hasta Ømm
pour couper les fils mous jusqu'à Ømm

für harten Draht bis Ømm
for hard wire up to mm diam.
para duros hasta Ømm
pour couper les fils durs jusqu'à Ømm



$\frac{0,6}{0,4}$

413-140
125mm, 5"



$\frac{2,0}{1,5}$

413-146
150mm, 6"



$\frac{3,5}{2,5}$

413-186
220mm, 8 3/4"



$\frac{2,8}{2,2}$

413-195
230mm, 8 3/4"

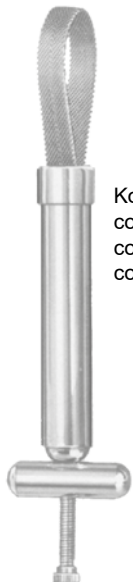
Kopfschneider
head cutter
alicate para corte frontal
pince coupante, tranchant frontal



413-202
380mm, 15"
für Kirschner Drähte bis 4mm Ø
for Kirschner wire up to 4mm Ø
para agujas de Kirschner hasta 4mm Ø
pour broches de Kirschner jusqu'à 4mm Ø

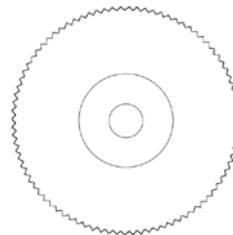
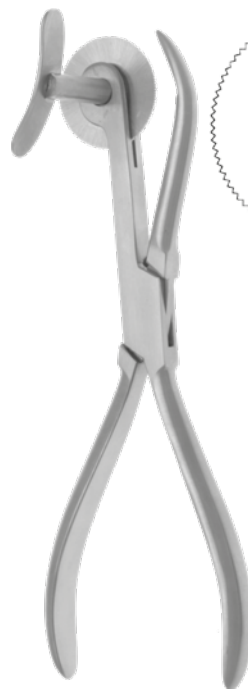


413-198 460mm, 18 1/4"
413-199 560mm, 22"
Bolzenschneider zum Abzwicken von Drähten,
Schrauben und Nägel bis 6mm
Cutter for cutting wires, screws and pins up to 6mm
Alicates cortar alambres, tornillos y calvos hasta 6mm
Pince à couper les fils, pivots et clous jusqu'à 6mm



Kompressorium
comprimeter
compressor
compresseur

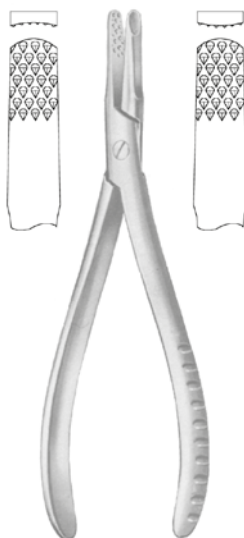
412-090SS
100mm, 4"



412-034

Ersatzsägeblatt (kein Medizinprodukt)
spare saw blade (no medical device)
hoja de repuesto (no es un producto sanitario)
lame de rechange (pas de produit médical)

412-033
170mm, 6 3/4"



RADOLF
412-010

135mm, 5 1/4"

Nagelausreißzange
nail extracting forceps
pinzas arrance-unas
pince pour arracher les ongles



412-006

130mm, 5 1/4"

Nagelspaltzange
nail splitting forceps
pinzas corta-unas
pince pour fender les ongles

ELCON 410

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