

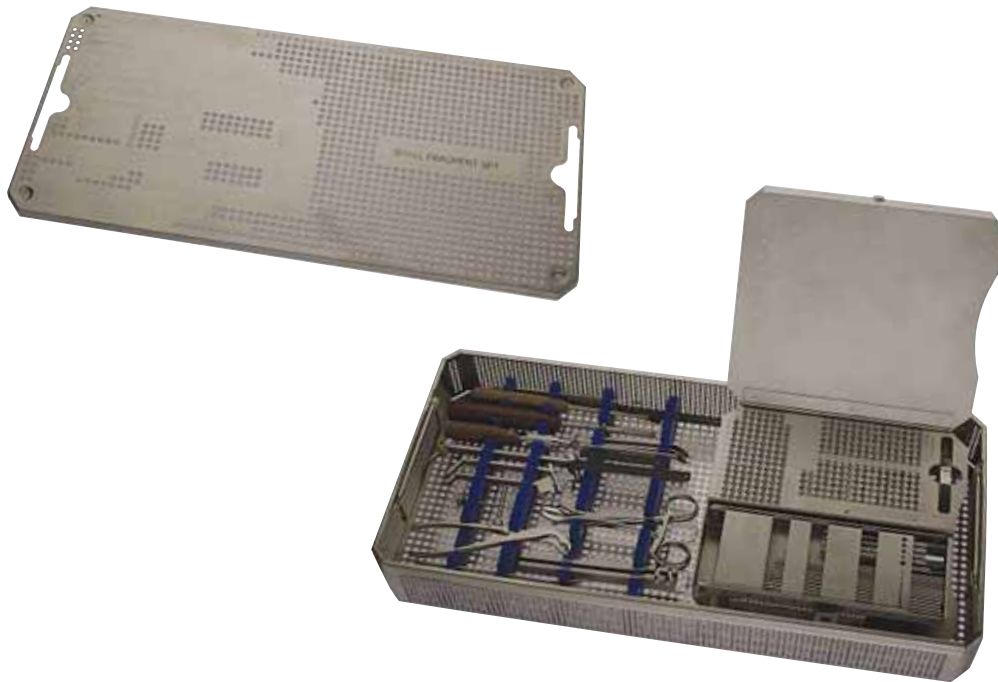
Small and Mini Instrumentation / Implants
Hand and Shoulder
HBS / Snap off System
Small and Mini Container
Hand and Foot Instrumentation



Small Fragment Instrument and Steel Implant Set in Graphic Case

Listing: T 415

Small Fragment Instrument and Steel Implant Set
(Steel Screws and Plates in Mat. DIN ISO 5832-1)



T 416

Tray for Small Fragment Instrument and Steel Implant Set



**Sterilization Container
(recommended)**

15-1872 Boden ungelocht
580 x 280 x 135 mm

15-1850 Deckel gelocht
580 x 280 mm silver



TREU = INSTRUMENTE

Small Fragment Instrument and Steel Implant Set in Graphic Case

Listing: T 415

Small Fragment Instrument and Steel Implant Set (Steel Screws and Plates in Mat. DIN ISO 5832-1)

T 416

Tray for Small Fragment Instrument and Steel Implant Set

Cat.No.:	Instruments for Dia. 3.5mm / Dia. 4.0mm Screws	Pcs.:	Screw type used in (Dia. mm)
9-016	Drill Bit Dia. 2.5 mm with quick coupling end	2	4.0 mm (Cancellous Screws)
9-022	Drill Bit Dia. 3.5 mm with quick coupling end	2	3.5 mm (Cortex Screws)
9-102	Small Countersink with quick coupling end	1	
9-074	Cortical Tap Dia. 3.5 mm with quick coupling end	2	3.5 mm (Cortex Screws)
9-076	Cancellous Tap Dia. 4.0 mm with quick coupling end	2	4.0 mm (Cancellous Screws)
9-094	Handle with quick coupling	1	
9-252	Drill Guide and Drill Sleeve for Drill Bit Dia. 2.0 mm	1	
9-254	Tap Sleeve Dia.3.5 mm, Sleeve for Drill Bit Dia.2.5mm	1	
9-278	Insert Sleeve Dia.3.5mm / Dia. 2.5mm	1	
9-172	Small Hexagonal Screwdriver, insert for Hex.-Socket 2.5 mm	1	
9-174	Small Hexagonal Screwdriver Shaft, Hex. 2.5mm	1	
9-112	Small Depth Gauge	1	
9-270	Neutral Drill Guide Dia. 3.5 mm, used for Drill Bit 2.5 mm	1	

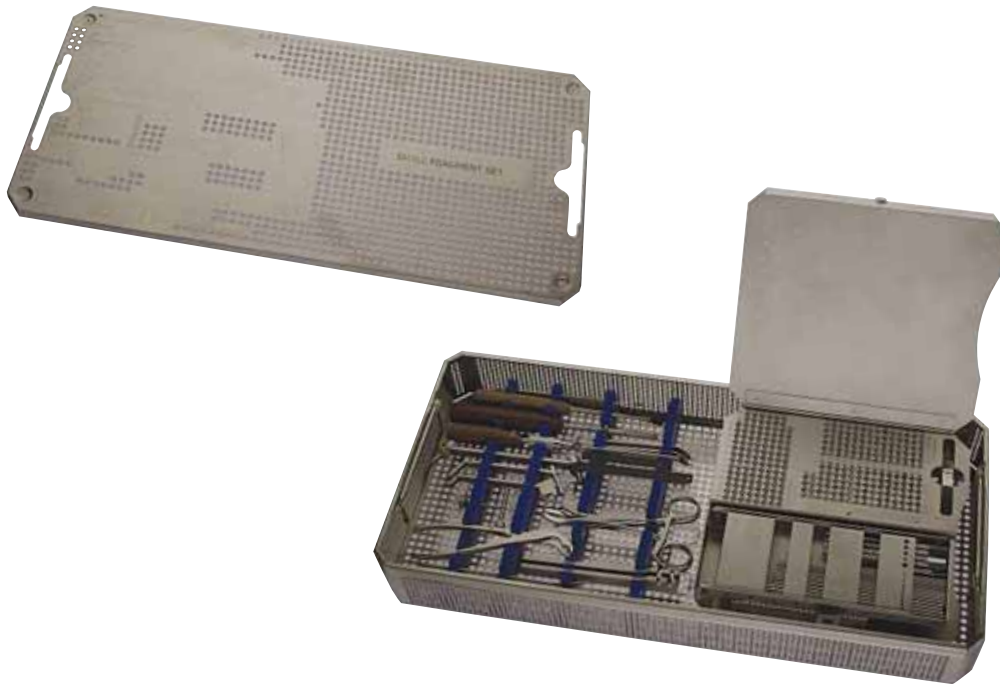
Cat.No.:	General Instruments	Pcs.:	Screw type used in (Dia. mm)
9-116	Sharp Hook	1	
9-402	Bending Iron for Small Plates	1	
9-404	Bending Iron for Small Plates	1	
3-075	Bending Template for Small Plates 7 Holes	1	
3-076	Bending Template for Small Plates 9 Holes	1	
9-580	Self-centring Bone Holding Forceps	1	
9-596	Reduction Forceps with points	1	
9-600	Reduction Forceps for Small Fragments	1	
9-650	Small Hohmann Retractor 6 mm	1	
9-652	Small Hohmann Retractor 8 mm	1	
9-654	Hohmann Retractor with broad shank	2	
9-758	Periosteal Elevator, width 6 mm small, straight edge	1	
4-184	Screw Forceps self holding	1	

Cat.No.:	Dia. 3.5 mm Cortex Screws	Pcs.:	Cat.No. :	Dia. 4.0 mm Cancellous Screws short Thread	Pcs.:
4-002	Length 10 mm , Steel	8	4-102	Length 12 mm / 5 mm, Steel	6
4-004	Length 12 mm , Steel	8	4-104	Length 14 mm / 5 mm, Steel	6
4-006	Length 14 mm , Steel	8	4-106	Length 16 mm / 6 mm, Steel	6
4-008	Length 16 mm , Steel	8	4-108	Length 18 mm / 7 mm, Steel	6
4-010	Length 18 mm , Steel	8	4-110	Length 20 mm / 8 mm, Steel	6
4-012	Length 20 mm , Steel	8	4-112	Length 22 mm / 9 mm, Steel	6
4-014	Length 22 mm , Steel	8	4-114	Length 24 mm / 10 mm, Steel	6
4-016	Length 24 mm , Steel	8	4-116	Length 26 mm / 12 mm, Steel	6
4-018	Length 26 mm , Steel	8	4-118	Length 28 mm / 14 mm, Steel	6
4-020	Length 28 mm , Steel	8	4-120	Length 30 mm / 14 mm, Steel	6
4-024	Length 32 mm , Steel	8	4-122	Length 35 mm / 14 mm, Steel	6
4-026	Length 36 mm , Steel	8	4-124	Length 40 mm / 14 mm, Steel	6
4-028	Length 40 mm , Steel	8	4-126	Length 45 mm / 15 mm, Steel	6
4-030	Length 45 mm , Steel	6	4-128	Length 50 mm / 15 mm, Steel	6
4-032	Length 50 mm , Steel	6			
			4-176	Small Washer for Dia. 3.5 mm / 4.0 mm Screws	6
			4-240	Small T-Plate right angle 3/3 Holes Steel	1
			4-244	Small T-Plate right angle 4/4 Holes Steel	1
			4-250	Small T-Plate oblique angle 3/3 Holes Steel	1
			4-252	Small T-Plate oblique angle 5/3 Holes Steel	1
			4-220	One Third Tubular Plate 2 Holes, Steel	1
			4-222	One Third Tubular Plate 3 Holes, Steel	1
			4-224	One Third Tubular Plate 4 Holes, Steel	1
			4-226	One Third Tubular Plate 5 Holes, Steel	2
			4-228	One Third Tubular Plate 6 Holes, Steel	2
			4-230	One Third Tubular Plate 7 Holes, Steel	1
			4-232	One Third Tubular Plate 8 Holes, Steel	1
			4-253	Cloverleaf Plate, Shaft 3 Holes, Steel	1
			4-254	Cloverleaf Plate, Shaft 4 Holes, Steel	1
			4-208	Small Fragment Plate 6 Holes, Steel	2
			4-210	Small Fragment Plate 7 Holes, Steel	2
		4-212	Small Fragment Plate 8 Holes, Steel	2	
			4-216	Small Fragment Plate 10 Holes, Steel	2
			7-254	Kirschner Wire Dia.1.2 mm x Length 150 mm, Steel	12
			7-260	Kirschner Wire Dia.1.6 mm x Length 150 mm, Steel	12
			7-264	Kirschner Wire Dia.2.0 mm x Length 150 mm, Steel	12



Small Fragment Instrument and Titanium Implant Set in Graphic Case

Listing: T 4150 Small Fragment Instrument and Titanium Implant Set
(Titanium Screws and Plates in Mat. DIN ISO 5832-3)



T 416 Tray for Small Fragment Instrument and Titanium Implant Set



**Sterilization Container
(recommended)**

15-1872 Boden ungelocht
580 x 280 x 135 mm

15-1850 Deckel gelocht
580 x 280 mm silver



Small Fragment Instrument and Titanium Implant Set in Graphic Case

Listing: T 4150 Small Fragment Instrument and Titanium Implant Set (Titanium Screws and Plates in Mat. DIN ISO 5832-3)

T 416 Tray for Small Fragment Instrument and Titanium Implant Set

Cat.No.:	Instruments for Dia. 3.5mm / Dia. 4.0mm Screws	Pcs.:	Screw type used in (Dia. mm)
9-016	Drill Bit Dia. 2.5 mm with quick coupling end	2	4.0 mm (Cancellous Screws)
9-022	Drill Bit Dia. 3.5 mm with quick coupling end	2	3.5 mm (Cortex Screws)
9-102	Small Countersink with quick coupling end	1	
9-074	Cortical Tap Dia. 3.5 mm with quick coupling end	2	3.5 mm (Cortex Screws)
9-076	Cancellous Tap Dia. 4.0 mm with quick coupling end	2	4.0 mm (Cancellous Screws)
9-094	Handle with quick coupling	1	
9-252	Drill Guide and Drill Sleeve for Drill Bit Dia. 2.0 mm	1	
9-254	Tap Sleeve Dia.3.5 mm, Sleeve for Drill Bit Dia.2.5mm	1	
9-278	Insert Sleeve Dia.3.5mm / Dia. 2.5mm	1	
9-172	Small Hexagonal Screwdriver, insert for Hex.-Socket 2.5 mm	1	
9-174	Small Hexagonal Screwdriver Shaft, Hex. 2.5mm	1	
9-112	Small Depth Gauge	1	
9-270	Neutral Drill Guide Dia. 3.5 mm, used for Drill Bit 2.5 mm	1	

Cat.No.:	General Instruments	Pcs.:	Screw type used in (Dia. mm)
9-116	Sharp Hook	1	
9-402	Bending Iron for Small Plates	1	
9-404	Bending Iron for Small Plates	1	
3-075	Bending Template for Small Plates 7 Holes	1	
3-076	Bending Template for Small Plates 9 Holes	1	
9-580	Self-centring Bone Holding Forceps	1	
9-596	Reduction Forceps with points	1	
9-600	Reduction Forceps for Small Fragments	1	
9-650	Small Hohmann Retractor 6 mm	1	
9-652	Small Hohmann Retractor 8 mm	1	
9-654	Hohmann Retractor with broad shank	2	
9-758	Periosteal Elevator, width 6 mm small, straight edge	1	
4-184	Screw Forceps self holding	1	

Cat.No.:	Dia. 3.5 mm Cortex Screws	Pcs.:	Cat.No. :	Dia. 4.0 mm Cancellous Screws short Thread	Pcs.:
4-00200	Length 10 mm , Titanium	8	4-10200	Length 12 mm / 5 mm, Titanium	6
4-00400	Length 12 mm , Titanium	8	4-10400	Length 14 mm / 5 mm, Titanium	6
4-00600	Length 14 mm , Titanium	8	4-10600	Length 16 mm / 6 mm, Titanium	6
4-00800	Length 16 mm , Titanium	8	4-10800	Length 18 mm / 7 mm, Titanium	6
4-01000	Length 18 mm , Titanium	8	4-11000	Length 20 mm / 8 mm, Titanium	6
4-01200	Length 20 mm , Titanium	8	4-11200	Length 22 mm / 9 mm, Titanium	6
4-01400	Length 22 mm , Titanium	8	4-11400	Length 24 mm / 10 mm, Titanium	6
4-01600	Length 24 mm , Titanium	8	4-11600	Length 26 mm / 12 mm, Titanium	6
4-01800	Length 26 mm , Titanium	8	4-11800	Length 28 mm / 14 mm, Titanium	6
4-02000	Length 28 mm , Titanium	8	4-12000	Length 30 mm / 14 mm, Titanium	6
4-02400	Length 32 mm , Titanium	8	4-12200	Length 35 mm / 14 mm, Titanium	6
4-02600	Length 36 mm , Titanium	8	4-12400	Length 40 mm / 14 mm, Titanium	6
4-02800	Length 40 mm , Titanium	8	4-12600	Length 45 mm / 15 mm, Titanium	6
4-03000	Length 45 mm , Titanium	6	4-12800	Length 50 mm / 15 mm, Titanium	6
4-03200	Length 50 mm , Titanium	6			

Cat.No. :	Dia. 4.0 mm Cancellous Screws full Thread	Pcs.:	Cat.No. :	Plates and Washers	Pcs.:
4-14400	Length 14 mm, Titanium	6	4-1760	Small Washer for Dia. 3.5 mm / 4.0 mm Screws	6
4-14600	Length 16 mm, Titanium	6	4-2400	Small T-Plate right angle 3/3 Holes Titanium	1
4-14800	Length 18 mm, Titanium	6	4-2440	Small T-Plate right angle 4/4 Holes Titanium	1
4-15000	Length 20 mm, Titanium	6	4-2500	Small T-Plate oblique angle 3/3 Holes Titanium	1
4-15200	Length 22 mm, Titanium	6	4-2520	Small T-Plate oblique angle 5/3 Holes Titanium	1
4-15400	Length 24 mm, Titanium	6			
4-15600	Length 26 mm, Titanium	6	4-2200	One Third Tubular Plate 2 Holes, Titanium	1
4-15800	Length 28 mm, Titanium	6	4-2220	One Third Tubular Plate 3 Holes, Titanium	1
4-16000	Length 30 mm, Titanium	6	4-2240	One Third Tubular Plate 4 Holes, Titanium	1
4-16200	Length 32 mm, Titanium	6	4-2260	One Third Tubular Plate 5 Holes, Titanium	2
4-16400	Length 35 mm, Titanium	6	4-2280	One Third Tubular Plate 6 Holes, Titanium	2
4-16600	Length 40 mm, Titanium	6	4-2300	One Third Tubular Plate 7 Holes, Titanium	1
4-16800	Length 45 mm, Titanium	6	4-2320	One Third Tubular Plate 8 Holes, Titanium	1
4-17000	Length 50 mm, Titanium	6			
4-17200	Length 55 mm, Titanium	4	4-2530	Cloverleaf Plate, Shaft 3 Holes, Titanium	1
4-17400	Length 60 mm, Titanium	4	4-2540	Cloverleaf Plate, Shaft 4 Holes, Titanium	1
			4-1920	Small Fragment MTP Plate, 6 hole, Titanium	2
			4-1930	Small Fragment MTP Plate, 7 hole, Titanium	2
			4-1940	Small Fragment MTP Plate, 8 hole, Titanium	2
			4-1950	Small Fragment MTP Plate, 9 hole, Titanium	1
			4-1960	Small Fragment MTP Plate, 10 hole, Titanium	1
			7-254	Kirschner Wire Dia.1.2 mm x Length 150 mm	12
			7-260	Kirschner Wire Dia.1.6 mm x Length 150 mm	12
			7-264	Kirschner Wire Dia.2.0 mm x Length 150 mm	12



TREU - INSTRUMENTE

Small Fragment Instruments



- Taps
- 9-074 3.5 mm \varnothing / 1.25 mm pitch, cortex
 - 9-075 3.5 mm \varnothing / 1.75 mm pitch cancellous
 - 9-076 4.0 mm \varnothing / 1.75 mm pitch



9-094 Tap Handle with quick coupling



9-252 Drill Guide and Drill Sleeve
For 2.0 mm \varnothing drill bit



- 9-254 Tap Sleeve, 3.5 mm \varnothing
Drill Sleeve, 2.5 mm \varnothing
- 9-255 Tap Sleeve, 2.0 mm \varnothing
Drill Sleeve, 2.7 mm \varnothing



9-270 Neutral and Load Drill Guide, 3.5 mm
For 3.5 mm cortex screws with fine thread
used with 2.5 mm \varnothing Drill Guide



TREU = INSTRUMENTE

Small Fragment Instruments



- Drill Bits with end to fit quick coupling
9-016 2.5 mm \varnothing 110 / 85 mm length
9-022 3.5 mm \varnothing 100 / 85 mm length



- 9-102** Small Countersink for small screws
2,7 mm / 3,5 mm / 4,0 mm



- 9-172** Small Hexagonal Screw Driver with Holding Sleeve \varnothing 2,5 mm



- 9-174** Small Hexagonal Screw Driver with end to fit quick coupling \varnothing 2,5 mm



- 9-278** Insert Drill Sleeve, 3.5 mm / 2.5 mm \varnothing



- 9-758** Periosteal Elevator small, straight edge curved blade width 6 mm



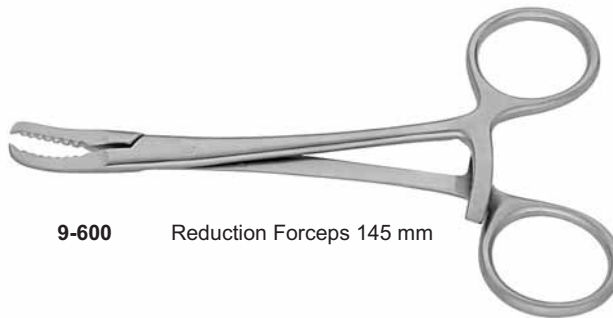
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9-650 Small Hohmann Retractor 6 mm
9-652 Small Hohmann Retractor 8 mm



9-580 Self-Centering Bone Holding Forceps 150 mm



9-600 Reduction Forceps 145 mm



9-410 Bending Pliers for 2.7 and 3.5 mm plates



9-654 Hohmann Retractor with broad shank



TREU = INSTRUMENTE



9-596 Reduction Forceps 135 mm



9-112 Depth Gauge for 2.7 - 4.0 mm \varnothing screws



4-184 Screw Forceps self holding



9-116 Sharp Hook



3-075 Bending Template for small plates 7 holes
3-076 Bending Template for small plates 9 holes



9-402 Bending Irons for 3,5 mm plates

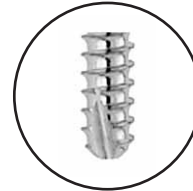


9-404 Bending Irons for 2,7 mm plates



TREU = INSTRUMENTE

CORTICALIS SCREWS 3,5 MM



self cutting screws, tapping not needed

	STAINLESS STEEL	TITAN
Dia of thread	3,5 mm	3,5 mm
Pitch	1,25 mm	1,25 mm
Dia of core	2,4 mm	2,4 mm
Hexagonal Socket	2,5 mm	2,5 mm
Dia of head	6,0 mm	6,0 mm
Length		
10 mm	4-002	4-00200
12 mm	4-004	4-00400
14 mm	4-006	4-00600
16 mm	4-008	4-00800
18 mm	4-010	4-01000
20 mm	4-012	4-01200
22 mm	4-014	4-01400
24 mm	4-016	4-01600
26 mm	4-018	4-01800
28 mm	4-020	4-02000
30 mm	4-022	4-02200
32 mm	4-024	4-02400
34 mm	4-025	4-02500
36 mm	4-026	4-02600
38 mm	4-027	4-02700
40 mm	4-028	4-02800
42 mm	4-029	4-02900
45 mm	4-030	4-03000
48 mm	4-031	4-03100
50 mm	4-032	4-03200
55 mm	4-034	4-03400
60 mm	4-036	4-03600
65 mm	4-038	4-03800
70 mm	4-040	4-04000
75 mm	4-042	4-04200
80 mm	4-044	4-04400

	STAINLESS STEEL	TITAN
Dia of thread	3,5 mm	3,5 mm
Pitch	1,25 mm	1,25 mm
Dia of core	2,4 mm	2,4 mm
Hexagonal Socket	2,5 mm	2,5 mm
Dia of head	6,0 mm	6,0 mm
Length		
10 mm	4-1002	4-100200
12 mm	4-1004	4-100400
14 mm	4-1006	4-100600
16 mm	4-1008	4-100800
18 mm	4-1010	4-101000
20 mm	4-1012	4-101200
22 mm	4-1014	4-101400
24 mm	4-1016	4-101600
26 mm	4-1018	4-101800
28 mm	4-1020	4-102000
30 mm	4-1022	4-102200
32 mm	4-1024	4-102400
34 mm	4-1025	4-102500
36 mm	4-1026	4-102600
38 mm	4-1027	4-102700
40 mm	4-1028	4-102800
42 mm	4-1029	4-102900
45 mm	4-1030	4-103000
48 mm	4-1031	4-103100
50 mm	4-1032	4-103200
55 mm	4-1034	4-103400
60 mm	4-1036	4-103600
65 mm	4-1038	4-103800
70 mm	4-1040	4-104000
75 mm	4-1042	4-104200
80 mm	4-1044	4-104400



TREU = INSTRUMENTE

CANCELLOUS SCREWS 3,5 MM



	STAINLESS STEEL	TITAN
Dia of thread	3,5 mm	3,5 mm
Pitch	1,75 mm	1,75 mm
Dia of core	1,9 mm	1,9 mm
Hexagonal Socket	2,5 mm	2,5 mm
Dia of head	6,0 mm	6,0 mm
Length		
10 mm	4-050	4-05000
12 mm	4-052	4-05200
14 mm	4-054	4-05400
16 mm	4-056	4-05600
18 mm	4-058	4-05800
20 mm	4-060	4-06000
22 mm	4-062	4-06200
24 mm	4-064	4-06400
26 mm	4-066	4-06600
28 mm	4-068	4-06800
30 mm	4-070	4-07000
32 mm	4-072	4-07200
34 mm	4-073	4-07300
36 mm	4-074	4-07400
38 mm	4-075	4-07500
40 mm	4-076	4-07600
42 mm		
45 mm	4-078	4-07800
48 mm		
50 mm	4-080	4-08000
55 mm	4-082	4-08200
60 mm	4-084	4-08400



TREU = INSTRUMENTE

CANCELLOUS SCREWS 4,0 MM



	STAINLESS STEEL	TITAN
Dia of thread	4,0 mm	4,0 mm
Pitch	1,75 mm	1,75 mm
Dia of core	1,9 mm	1,9 mm
Hexagonal Socket	2,5 mm	2,5 mm
Dia of head	6,0 mm	6,0 mm
Length		
10 mm	4-140	4-14000
12 mm	4-142	4-14200
14 mm	4-144	4-14400
16 mm	4-146	4-14600
18 mm	4-148	4-14800
20 mm	4-150	4-15000
22 mm	4-152	4-15200
24 mm	4-154	4-15400
26 mm	4-156	4-15600
28 mm	4-158	4-15800
30 mm	4-160	4-16000
32 mm	4-162	4-16200
35 mm	4-164	4-16400
40 mm	4-166	4-16600
45 mm	4-168	4-16800
50 mm	4-170	4-17000
55 mm	4-172	4-17200
60 mm	4-174	4-17400



TREU = INSTRUMENTE

CANCELLOUS SCREWS 4,0 MM



	STAINLESS STEEL	TITAN
Dia of thread	4,0 mm	4,0 mm
Pitch	1,75 mm	1,75 mm
Dia of core	1,9 mm	1,9 mm
Dia of shaft	2,3 mm	2,3 mm
Dia of head	6,0 mm	6,0 mm
Length		
10 mm	4-100	4-10000
12 mm	4-102	4-10200
14 mm	4-104	4-10400
16 mm	4-106	4-10600
18 mm	4-108	4-10800
20 mm	4-110	4-11000
22 mm	4-112	4-11200
24 mm	4-114	4-11400
26 mm	4-116	4-11600
28 mm	4-118	4-11800
30 mm	4-120	4-12000
32 mm	4-121	4-12100
35 mm	4-122	4-12200
40 mm	4-124	4-12400
45 mm	4-126	4-12600
50 mm	4-128	4-12800
55 mm	4-129	4-12900
60 mm	4-130	4-13000



TREU = INSTRUMENTE



Small Fragment Plates for 3.5 ø screws DPL
 Profil 10 x 3 mm Distance between Holes 12 and 16 mm

STAINLESS STEEL	Length	Holes
4-200	26 mm	2
4-202	38 mm	3
4-204	50 mm	4
4-206	62 mm	5
4-208	74 mm	6
4-210	86 mm	7
4-212	98 mm	8
4-214	110 mm	9
4-216	122 mm	10
4-218	146 mm	12



One-third Tubular Plates
 Profil 1/3 tube 12 x 1 mm

STAINLESS STEEL	Length	Holes	TITAN
4-220	25 mm	2	4-2200
4-222	37 mm	3	4-2220
4-224	49 mm	4	4-2240
4-226	61 mm	5	4-2260
4-228	73 mm	6	4-2280
4-230	85 mm	7	4-2300
4-232	97 mm	8	4-2320
4-234	109 mm	9	4-2340
4-236	121 mm	10	4-2360
4-238	145 mm	12	4-2380



Small T-Plates right angle
 3 holes in Head

STAINLESS STEEL	Length	Holes	TITAN
4-240	45 mm	3 x 3	4-2400
4-242	67 mm	5 x 3	4-2420



Small T-Plates right angle
 4 holes in Head

STAINLESS STEEL	Length	Holes	TITAN
4-244	56 mm	4 x 4	4-2440
4-246	78 mm	6 x 4	4-2460



Small T-Plates Oblique angle
 3 holes in Head

STAINLESS STEEL	Length	Holes	TITAN
4-250	52 mm	3 x 3	4-2500
4-251	63 mm	4 x 3	4-2510
4-252	74 mm	5 x 3	4-2520



Cloverleaf Plates
 3 holes in Head

STAINLESS STEEL	Shaft	Length	TITAN
4-253	3 holes	88 m	4-2530
4-254	4 holes	104 mm	4-2540



Small Plates*

Straight Narrow Reconstruction Plates, 2.7 mm

STAINLESS STEEL	Length	Holes	TITAN
4-260	48 mm	6	4-2600
4-261	64 mm	8	4-2610
4-262	80 mm	10	4-2620
4-263	96 mm	12	4-2630
4-264	112 mm	14	4-2640
4-265	128 mm	16	4-2650
4-266	144 mm	18	4-2660
4-267	160 mm	20	4-2670
4-268	176 mm	22	4-2680
4-269	192 mm	24	4-2690



Profil: 8.0 x 2.7 mm
Distance between holes: 8.0 mm

Reconstruction Plates, 3.5 mm*

STAINLESS STEEL	Length	Holes	TITAN
4-270	58 mm	5	4-2700
4-271	70 mm	6	4-2710
4-272	82 mm	7	4-2720
4-273	94 mm	8	4-2730
4-274	106 mm	9	4-2740
4-275	118 mm	10	4-2750
4-276	130 mm	11	4-2760
4-277	142 mm	12	4-2770
4-278	154 mm	13	4-2780
4-279	166 mm	14	4-2790
4-280	178 mm	15	4-2800
4-281	190 mm	16	4-2810
4-282	214 mm	18	4-2820
4-283	238 mm	20	4-2830
4-284	262 mm	22	4-2840



Profil: 10.0 x 2.8 mm
Distance between holes: 12.0 mm

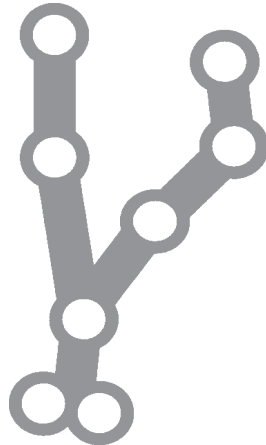
*

Reconstruction Plates 3.5 are manufactured from relatively soft material. Due to their reduced stiffness, they should be used only for cerclages or adaptations. Design and softness of the material enable three-dimensional contouring with Bending Pliers 17-1400 or the Bending Iron 17-1402.

Note: Do not bend more than 15°.



TREU = INSTRUMENTE



Calcaneus bone Plate

STAINLESS STEEL		TITAN
4-288	large	4-2880
4-290	small	4-2900



Y-Plate
 Profil: 10.0 x 2.0 mm
 Distance between holes: 12.0 mm

STAINLESS STEEL		TITAN
4-286		4-2860

CALCANIOS PLATE 3,5 MM



STAINLESS STEEL	Length	TITAN
4-294	60 mm	4-2940
4-296	70 mm	4-2960



TREU = INSTRUMENTE

Fibula-contouring plate, with small radius, long spikes

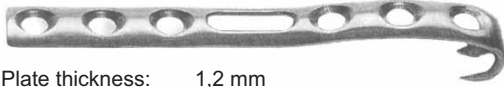


Plate thickness: 1,2 mm
 Plate width 9,5 mm
 Radius 4,5 mm

STAINLESS STEEL	Length	Holes	TITAN
4-305	88 mm	6	4-3050
4-306	100 mm	7	4-3060
4-307	112 mm	8	4-3070

Fibula-contouring plate, with large radius, short spikes and hole for traction-screw



Plate thickness: 1,2 mm
 Plate width 9,5 mm
 Radius 4,5 mm

STAINLESS STEEL	Length	Holes	TITAN
4-310	88 mm	6	4-3100
4-311	100 mm	7	4-3110
4-312	112 mm	8	4-3120

Olekranon plate with spikes



Plate thickness: 2,0 mm
 Plate width 10,0 mm
 Radius 6,0 mm

STAINLESS STEEL	Length	Holes	TITAN
4-315	68 mm	4	4-3150
4-316	80 mm	5	4-3160
4-317	92 mm	6	4-3170
4-318	104 mm	7	4-3180
4-319	116 mm	8	4-3190
4-320	128 mm	9	4-3200
4-325	188 mm	14	4-3250



Plate for arthrodesis, arched, with standard bending, 8 holes

STAINLESS STEEL		TITAN
4-330		4-3300



Plate for arthrodesis, arched, with short bending, 8 holes

STAINLESS STEEL		TITAN
4-332		4-3320



TREU - INSTRUMENTE

MTP - Minimal Touch Dynamic Compression Plate



MTP - Minimal Touch Dynamic Compression Plate

STAINLESS STEEL	Length	Holes	TITAN
4-190	51 mm	4	4-1900
4-191	64 mm	5	4-1910
4-192	77 mm	6	4-1920
4-193	90 mm	7	4-1930
4-194	103 mm	8	4-1940
4-195	116 mm	9	4-1950
4-196	129 mm	10	4-1960
4-197	142 mm	11	4-1970
4-198	155 mm	12	4-1980



Humeral Epicondylar Plates

(Left and Right Plates)

Screw to be used: ø 3.5 mm and 4.0 mm

STAINLESS STEEL	Length	Holes	TITAN
3-968	73	6 right	3-9680
3-970	73	6 left	3-9700
3-972	105	8 right	3-9720
3-974	105	8 left	3-9740
3-976	137	10 right	3-9760
3-978	137	10 left	3-9780
3-980	169	12 right	3-9800
3-982	169	12 left	3-9820



Radius Plates

STAINLESS STEEL	Length	Holes	TITAN
3-944	44 mm	2	3-9440
3-946	59 mm	3	3-9460
3-948	74 mm	4	3-9480



Proximal Humerus Plates

Screw to be used: ø 3.5 mm and 6.5 mm

STAINLESS STEEL	Length	Holes	TITAN
3-960	79 mm	3	3-9600
3-962	115 mm	5	3-9620
3-964	169 mm	8	3-9640



TREU = INSTRUMENTE

Clavicula Hook plate



STAINLESS STEEL	TITAN	Hook	Holes	
4-335	4-3350	15 mm	4	right
4-336	4-3360	18 mm	4	right
4-337	4-3370	15 mm	6	right
4-338	4-3380	18 mm	6	right
4-339	4-3390	15 mm	4	left
4-340	4-3400	18 mm	4	left
4-341	4-3410	15 mm	6	left
4-342	4-3420	18 mm	6	left

Balzer plate



STAINLESS STEEL	TITAN	Length	Holes	
4-345	4-3450	78	3	right
4-346	4-3460	87	4	right
4-347	4-3470	78	3	left
4-348	4-3480	87	4	left

Anatomic Hook plate



STAINLESS STEEL	TITAN	Length	Holes	
4-350	4-3500	85 mm	4	right
4-351	4-3510	97 mm	5	right
4-352	4-3520	106 mm	6	right
4-353	4-3530	128 mm	8	right
4-354	4-3540	85 mm	4	left
4-355	4-3550	97 mm	5	left
4-356	4-3560	106 mm	6	left
4-357	4-3570	128 mm	8	left



Angle-stable plate for the proximal humerus Winkelstabile Proximale Oberarmplatte

- *Product Description and OR-Technique*
- *Produktbeschreibung und OP-Technik*



Advantages

- High stability of the replaced head fragments.
- no displacement of the cancellous screws.
- no impinging of the acromiion, because hidden screw heads.
- 2 mm length-difference of the cancellous screw.
- simply handling with drill hole guide for exact 90° - angulation of the cancellous screws avoid extensive exposure and soft tissue dissection.

Vorteile

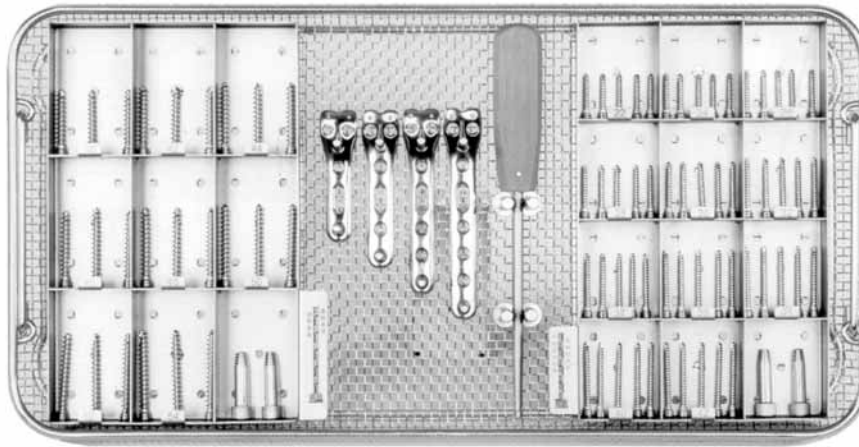
- Keine Sekundärabkippung der/des Kopffragment(s).
- keine Schraubenauslockerung mit implantatbedingten Beschwerden.
- kein subacromiales Impingement, da versenkte Schraubenköpfe.
- Spongiosaschrauben in 2 mm - Längensprung.
- einfache Handhabung durch Bohrhülse.



TREU = INSTRUMENTE

ø 6,0 mm

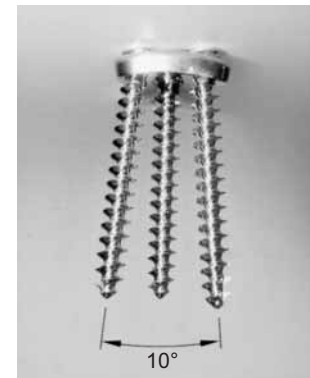
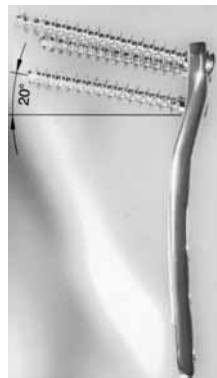
ø 4,5 mm



T 326 Set complete
Set komplett

INSTRUMENTS INSTRUMENTE		
Description Beschreibung	Cat. No. Art. Nr.	Pieces Anzahl
Screwdriver hex. 2,5 mm Schraubendreher hex. 2,5 mm	9-144	1
Drill Sleeve Bohrbüchsen	9-081	2
Drill ø 3.2 mm AO shaft Spiralbohrer ø 3,2 mm AO Schaft	9-020	1
Kirschner Wire ø 1.8 mm Kirschner Draht	7-262	5
Depth Gauge Schrauben-Längenmesslehre	9-114	1
Basket Sieb	15-3014	1

TITAN TITANIUM		
Description Beschreibung	Cat. No. Art. Nr.	Pieces Anzahl
Plate, 5 holes Platte, 5 Loch	3-1001	2
Plate, 6 holes Platte, 6 Loch	3-1003	2
Plate, 7 holes Platte, 7 Loch	3-1005	2
Plate, 8 holes Platte, 8 Loch	3-1007	2





TREU = INSTRUMENTE

Angle-stable plate for the proximal humerus Winkelstabile Proximale Oberarmplatte

TITAN TITANIUM		
Description Beschreibung	Cat. No. Art. Nr.	Length Länge
Plate, 5 holes Platte, 5 Loch	3-1001	73,5
Plate, 6 holes Platte, 6 Loch	3-1003	89,5
Plate, 7 holes Platte, 7 Loch	3-1005	105,5
Plate, 8 holes Platte, 8 Loch	3-1007	121,5



TITAN TITANIUM		
Screws \varnothing 6.0 mm (for humeral locking) Schrauben \varnothing 6,0 mm (für Humeruskopfverschraubung)		
Description Beschreibung	Cat. No. Art. Nr.	Pieces Anzahl
40 mm Length / Länge	3-1041	3
42 mm Length / Länge	3-1043	3
44 mm Length / Länge	3-1045	3
46 mm Length / Länge	3-1047	3
48 mm Length / Länge	3-1049	3
50 mm Length / Länge	3-1051	3
52 mm Length / Länge	3-1053	3
54 mm Length / Länge	3-1055	3
56 mm Length / Länge	3-1057	3

TITAN TITANIUM		
Screws \varnothing 4.5 mm (for humeral locking) Schrauben \varnothing 4,5 mm (für Schaftverschraubung)		
Description Beschreibung	Cat. No. Art. Nr.	Pieces Anzahl
22 mm Length / Länge	3-1081	5
24 mm Length / Länge	3-1083	5
26 mm Length / Länge	3-1085	5
28 mm Length / Länge	3-1087	5
30 mm Length / Länge	3-1089	5
32 mm Length / Länge	3-1091	5
34 mm Length / Länge	3-1093	5
36 mm Length / Länge	3-1095	5
38 mm Length / Länge	3-1097	5
40 mm Length / Länge	3-1099	5
42 mm Length / Länge	3-1101	5





TREU = INSTRUMENTE



9-144 for Hexagonal Head 3.5 mm, 20 cm length
Schraubendreher Kopf 3,5 mm, 20 cm Länge



7-262 Kirschner wire \varnothing 1.8 mm, 150 mm long
Kirschnerdraht \varnothing 1,8 mm, 150 lang



9-114 Depth Gauge for Large Screws
Tiefenmesser für lange Schrauben



9-081 Drill guide (with connection for plate thread)
Bohrbüchse



4-184 Screw Forceps
Schraubenpinzette



9-020 Drill AO shaft \varnothing 3.2 mm, 145 mm long
Bohrer mit AO Schaft \varnothing 3,2 mm, 145 mm lang



TREU = INSTRUMENTE



TREU - INSTRUMENTE

Angle-stable plate for distal radius Winkelstabile Platte für distalen Radius

- *Product Description and OR-Technique***
- *Produktbeschreibung und OP-Technik***



Titanium
Titan

Advantages

- Anatomical pre-bent
- Intraoperative corrections are not necessary
- Result of the operative reduction is permanently fixed by three angle-stable screws
- No secondary correction losses
- Allows an early functional post-operative treatment

Vorteile

- Anatomisch vorgeformt.
- Keine intraoperativen Korrekturen notwendig.
- Operatives Repositionsergebnis wird durch 3 winkelstabile Schrauben dauerhaft fixiert.
- Keine sekundären Korrekturverluste
- Frühfunktionelle Nachbehandlung möglich.



TREU = INSTRUMENTE

T 327 Set complete
Set komplett



ANGLE-STABLE RADIUS PLATE TITAN WINKELSTABILE RADIUSPLATTE TITAN		
Description Beschreibung	Cat. No. Art. Nr.	Pieces Anzahl
Plate, 3 holes right Platte, 3 Loch rechts	4-2904	1
Plate, 3 holes left Platte, 3 Loch links	4-2905	1
Plate, 4 holes right Platte, 4 Loch	4-2906	1
Plate, 4 holes Platte, 4 Loch	4-2907	1

Instruments Instrumente			
Description Beschreibung	Cat. No. Art. Nr.	Pieces Anzahl	
Drill \varnothing 2.5 mm, 110 mm length Spiralbohrer \varnothing 2,5 mm, 110 mm Länge	9-016	1	
Drill Sleeve Bohrbüchsen	9-082	2	
Screwdriver hex. 2,5 Schraubendreher hex. 2,5 mm	9-142	1	
Depth Gauge for small screws Schrauben-Längenmesslehre	9-112	1	
Kirschner Wire \varnothing 1.8 mm, 150 mm L Kirschner Draht \varnothing 1,8 mm, 150 mm L	7-262	5	
Screw Holding Forceps Schraubenhaltepinzette	4-184	1	
Basket Siebkorb	15-3075	1	

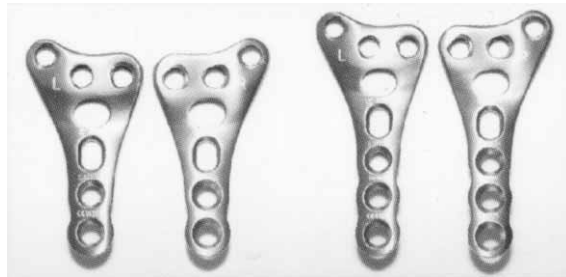
Corticalis screw \varnothing 3.5 mm (selfcutting, conical head thread)TITAN Kortikalisschraube \varnothing 3,5 mm (selbstschneidend, konisches Kopfgewinde) TITAN		
Description Beschreibung	Cat. No. Art. Nr.	Pieces Anzahl
16 mm Length / Länge	4-2910	3
18 mm Length / Länge	4-2912	3
20 mm Length / Länge	4-2914	3
22 mm Length / Länge	4-2916	3
24 mm Length / Länge	4-2918	3
26 mm Length / Länge	4-2920	3
28 mm Length / Länge	4-2922	3
30 mm Length / Länge	4-2924	3

Cortical Screws \varnothing 3.5 mm, Titan, selfcutting TITAN Kortikalisschrauben \varnothing 3.5 mm, Titan, selbstschneidend TITAN		
Description Beschreibung	Cat. No. Art. Nr.	Pieces Anzahl
14 mm Length / Länge	4-100600	5
16 mm Length / Länge	4-100800	5
18 mm Length / Länge	4-101000	5
20 mm Length / Länge	4-101200	5
22 mm Length / Länge	4-101400	5
24 mm Length / Länge	4-101600	5



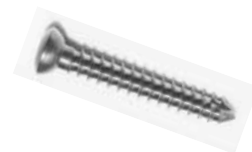
TREU = INSTRUMENTE

TITAN	
ANGLE-STABLE RADIUS PLATE WINKELSTABILE RADIUSPLATTE	
Description Beschreibung	Cat. No. Art. Nr.
Plate, 3 holes right Platte, 3 Loch rechts	4-2904
Plate, 3 holes left Platte, 3 Loch links	4-2905
Plate, 4 holes right Platte, 4 Loch rechts	4-2906
Plate, 4 holes left Platte, 4 Loch links	4-2907



TITAN	
Corticalis screw \varnothing 3.5 mm (selfcutting, conical head thread) Kortikalisschraube \varnothing 3,5 mm (selbstschneidend, konisches Kopfgewinde)	
Description Beschreibung	Cat. No. Art. Nr.
16 mm Length / Länge	4-2910
18 mm Length / Länge	4-2912
20 mm Length / Länge	4-2914
22 mm Length / Länge	4-2916
24 mm Length / Länge	4-2918
26 mm Length / Länge	4-2920
28 mm Length / Länge	4-2922
30 mm Length / Länge	4-2924

TITAN	
Corticalis screw \varnothing 3.5 mm (selfcutting) Kortikalisschraube \varnothing 3,5 mm (selbstschneidend)	
Description Beschreibung	Cat. No. Art. Nr.
14 mm Length / Länge	4-100600
16 mm Length / Länge	4-100800
18 mm Length / Länge	4-101000
20 mm Length / Länge	4-101200
22 mm Length / Länge	4-101400
24 mm Length / Länge	4-101600





TREU = INSTRUMENTE



9-142 for Hexagonal Head 2.5 mm, 20 cm length
Schraubendreher Kopf 2,5 mm, 20 cm Länge



7-262 Kirschner wire \varnothing 1.8 mm, 150 mm long
Kirschnerdraht \varnothing 1,8 mm, 150 mm lang



9-112 Depth Gauge for Small Screws
Tiefenmesser für kleine Schrauben



9-082 Drill sleeve (with connection for plate thread)
Bohrbuchse



4-184 Screw Forceps
Schraubenpinzette



9-016 Drill AO shaft \varnothing 2.5 mm, 110 mm long
Bohrer mit AO Schaft \varnothing 2,5 mm, 110 mm lang



TREU = INSTRUMENTE



Mini Instrument and Steel Implant Set in Graphic Case

Listing: T 420

Mini Instrument and Steel Implant Set
(Steel Screws and Plates in Mat. DIN ISO 5832-1)



T 421

Tray for Mini Instrument and Implant Set (Steel)



15-1010

Sterilization Container
(recommended)



Mini Instrument and Steel Implant Set in Graphic Case

Listing: T 420

Mini Instrument and Steel Implant Set (Steel Screws and Plates in Mat. DIN ISO 5832-1)

T 421

Tray for Mini Instrument and Implant Set (Steel)

Cat.No.:	Instruments for Dia. 2.0mm / Dia. 2.7mm Screws	Pcs.:	Screw type used in (Dia. mm)
9-014	Drill Bit Dia. 2.0 mm with quick coupling	2	2.0 mm + 2.7 mm
9-018	Drill Bit Dia. 2.7 mm with quick coupling	2	2.7 mm
9-102	Small Countersink with end to fit quick coupling Handle	1	2.7 mm
9-073	Tap Dia. 2.7 mm with end to fit quick coupling Handle	2	2.7 mm
9-094	Handle with quick coupling	1	
9-252	Drill Guide and Drill Sleeve for Dia. 2.0 mm Drill Bit	1	2.0 mm + 2.7 mm
9-256	Tap Sleeve Dia. 3.5 mm	1	2.7 mm
9-172	Small Hexagonal Screwdriver 2.5 mm with holding Sleeve	1	2.7 mm
9-112	Depth Gauge (only for 2.7 mm Screws)	1	2.7 mm

Cat.No.:	Instruments for Dia. 1.5 mm / Dia. 2.0 mm Mini Screws	Pcs.:	Screw type used in (Dia. mm)
9-010	Drill Bit Dia. 1.1 mm with quick coupling	2	1.5 mm
9-012	Drill Bit Dia. 1.5 mm with quick coupling	2	2.0 mm
9-100	Mini Countersink to fit Handle with mini quick coupling	1	1.5 mm + 2.0 mm
9-071	Tap Dia. 1.5 mm to fit Handle with mini quick coupling	2	1.5 mm
9-072	Tap Dia. 2.0 mm to fit Handle with mini quick coupling	2	2.0 mm
9-096	Handle with mini quick coupling	1	
9-250	Mini Drill Sleeve for Dia. 1.1 and Dia. 1.5 mm Drill Bits	1	1.5 mm + 2.0 mm
9-110	Mini Depth Gauge (only for 2.0 mm Screws)	1	2.0 mm

Cat.No.:	General Instruments	Pcs.:
9-116	Sharp Hook	1
9-170	Hexagonal Screw Driver 1.5 mm with holding Sleeve	1
9-400	Bending Iron for Finger Plates	1
9-630	Holding Forceps for small Plates 135 mm	1
9-596	Reduction Forceps with points 135 mm	1
9-650	Small Retractor, 6 mm	1
9-652	Small Retractor, 8 mm	1
9-654	Retractor for small fragments with broad shank , short	2
9-760	Periosteal Elevator, small with straight edge 3 mm	1
4-184	Screw Forceps self holding	1

Cat.No.:	Dia. 2.7 mm Cortex Screws	Pcs.:
4-460	Length 6 mm , Steel	6
4-462	Length 8 mm , Steel	6
4-464	Length 10 mm , Steel	6
4-466	Length 12 mm , Steel	6
4-468	Length 14 mm , Steel	6
4-470	Length 16 mm , Steel	6
4-472	Length 18 mm , Steel	6
4-474	Length 20 mm , Steel	6
4-476	Length 22 mm , Steel	6
4-478	Length 24 mm , Steel	6

Cat.No. :	Dia. 1.5 mm Cortex Screws	Pcs.:
4-1400	Length 6 mm , Steel	4
4-1402	Length 7 mm , Steel	4
4-1404	Length 8 mm , Steel	4
4-1406	Length 9 mm , Steel	4
4-1408	Length 10 mm , Steel	4
4-1410	Length 11 mm , Steel	4
4-1412	Length 12 mm , Steel	4
4-1414	Length 14 mm , Steel	4
4-1416	Length 16 mm , Steel	4

4-176	Small Washer for Dia. 2.7 mm Screws , Steel	6
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Cat.No. :	Dia. 2.0 mm Cortex Screws	Pcs.:
4-1430	Length 6 mm , Steel	6
4-1432	Length 8 mm , Steel	6
4-1434	Length 10 mm , Steel	6
4-1436	Length 12 mm , Steel	6
4-1438	Length 14 mm , Steel	6
4-1440	Length 16 mm , Steel	6
4-1442	Length 18 mm , Steel	6
4-1444	Length 20 mm , Steel	6

Cat.No.:	Plates for Dia. 2.7 mm Cortex Screws	Pcs.:
4-540	Quarter Tubular Plate Length 25 mm / 3 Hole , Steel	2
4-542	Quarter Tubular Plate Length 33 mm / 4 Hole , Steel	2
4-544	Quarter Tubular Plate Length 41 mm / 5 Hole , Steel	2
4-546	Quarter Tubular Plate Length 49 mm / 6 Hole , Steel	2
4-548	Quarter Tubular Plate Length 57 mm / 7 Hole , Steel	2
4-550	Quarter Tubular Plate Length 65 mm / 8 Hole , Steel	2
4-552	L - Plate , oblique left 3/2 Hole , Steel	2
4-554	L - Plate , oblique right 3/2 Hole , Steel	2
4-556	T - Plate , Shaft 3/2 , Steel	4

Cat.No.:	Plates for Dia. 1.5 mm / 2.0 mm Cortex Screws	Pcs.:
4-590	Mini Plate 2.0 straight , 3 Hole / Length 17 mm , Steel	2
4-592	Mini Plate 2.0 straight , 4 Hole / Length 23 mm , Steel	2
4-594	Mini Plate 2.0 straight , 5 Hole / Length 29 mm , Steel	2
4-600	Mini L - Plate 2.0 oblique left 2/2 Hole , Steel	2
4-602	Mini L - Plate 2.0 oblique right 2/2 Hole , Steel	2
4-604	Mini T - Plate 2.0 , 2/2 Hole , Steel	4

Cat.No.:	Kirschner Wires with Trocar	Pcs.:
7-200	Dia. 0.8 mm / Length 70 mm , Steel	10
7-201	Dia. 1.0 mm / Length 70 mm , Steel	10
7-252	Dia. 1.0 mm / Length 150 mm , Steel	10
7-254	Dia. 1.2 mm / Length 150 mm , Steel	10
7-260	Dia. 1.6 mm / Length 150 mm , Steel	10



Mini Instrument / Titanium Implant Set in Graphic Case

Listing: T 4200 Mini Instrument / Titanium Implant Set
(Titanium Screws and Plates in Mat. DIN ISO 5832-3)



T 421 Tray for Mini Instrument and Implant Set (Steel)



15-1010 Sterilization Container
(recommended)



Mini Instrument / Titanium Implant Set in Graphic Case

Listing: T 4200 Mini Instrument / Titanium Implant Set (Titanium Screws and Plates in Mat. DIN ISO 5832-3)

T 421 Tray for Mini Instrument and Implant Set (Steel)

Cat.No.:	Instruments for Dia. 2.0mm / Dia. 2.7mm Screws	Pcs.:	Screw type used in (Dia. mm)
9-014	Drill Bit Dia. 2.0 mm with quick coupling	2	2.0 mm + 2.7 mm
9-018	Drill Bit Dia. 2.7 mm with quick coupling	2	2.7 mm
9-102	Small Countersink with end to fit quick coupling Handle	1	2.7 mm
9-073	Tap Dia. 2.7 mm with end to fit quick coupling Handle	2	2.7 mm
9-094	Handle with quick coupling	1	
9-252	Drill Guide and Drill Sleeve for Dia. 2.0 mm Drill Bit	1	2.0 mm + 2.7 mm
9-256	Tap Sleeve Dia. 3.5 mm	1	2.7 mm
9-172	Small Hexagonal Screwdriver 2.5 mm with holding Sleeve	1	2.7 mm
9-112	Depth Gauge (only for 2.7 mm Screws)	1	2.7 mm

Cat.No.:	Instruments for Dia. 1.5 mm / Dia. 2.0 mm Mini Screws	Pcs.:	Screw type used in (Dia. mm)
9-010	Drill Bit Dia. 1.1 mm with quick coupling	2	1.5 mm
9-012	Drill Bit Dia. 1.5 mm with quick coupling	2	2.0 mm
9-100	Mini Countersink to fit Handle with mini quick coupling	1	1.5 mm + 2.0 mm
9-071	Tap Dia. 1.5 mm to fit Handle with mini quick coupling	2	1.5 mm
9-072	Tap Dia. 2.0 mm to fit Handle with mini quick coupling	2	2.0 mm
9-096	Handle with mini quick coupling	1	
9-250	Mini Drill Sleeve for Dia. 1.1 and Dia. 1.5 mm Drill Bits	1	1.5 mm + 2.0 mm
9-110	Mini Depth Gauge (only for 2.0 mm Screws)	1	2.0 mm

Cat.No.:	General Instruments	Pcs.:
9-116	Sharp Hook	1
9-170	Hexagonal Screw Driver 1.5 mm with holding Sleeve	1
9-400	Bending Iron for Finger Plates	1
9-630	Holding Forceps for small Plates	1
9-596	Reduction Forceps with points	1
9-650	Small Retractor, 6 mm	1
9-652	Small Retractor, 8 mm	1
9-654	Retractor for small fragments with broad shank , short	2
9-760	Periosteal Elevator, small with straight edge 3 mm	1
4-184	Screw Holding Forceps	1

Cat.No.:	Dia. 2.7 mm Cortex Screws	Pcs.:
4-46000	Length 6 mm , Ti	6
4-46200	Length 8 mm , Ti	6
4-46400	Length 10 mm , Ti	6
4-46600	Length 12 mm , Ti	6
4-46800	Length 14 mm , Ti	6
4-47000	Length 16 mm , Ti	6
4-47200	Length 18 mm , Ti	6
4-47400	Length 20 mm , Ti	6
4-47600	Length 22 mm , Ti	6
4-47800	Length 24 mm , Ti	6

Cat.No. :	Dia. 1.5 mm Cortex Screws	Pcs.:
4-140000	Length 6 mm , Ti	4
4-140200	Length 7 mm , Ti	4
4-140400	Length 8 mm , Ti	4
4-140600	Length 9 mm , Ti	4
4-140800	Length 10 mm , Ti	4
4-141000	Length 11 mm , Ti	4
4-141200	Length 12 mm , Ti	4
4-141400	Length 14 mm , Ti	4
4-141600	Length 16 mm , Ti	4

4-1760	Small Washer for Dia. 2.7 mm Screws , Titan	6
--------	---	---

Cat.No. :	Dia. 2.0 mm Cortex Screws	Pcs.:
4-143000	Length 6 mm , Ti	6
4-143200	Length 8 mm , Ti	6
4-143400	Length 10 mm , Ti	6
4-143600	Length 12 mm , Ti	6
4-143800	Length 14 mm , Ti	6
4-144000	Length 16 mm , Ti	6
4-144200	Length 18 mm , Ti	6
4-144400	Length 20 mm , Ti	6

Cat.No.:	Plates for Dia. 2.7 mm Cortex Screws	Pcs.:
4-5400	Quarter Tubular Plate Length 25 mm / 3 Hole , Ti	2
4-5420	Quarter Tubular Plate Length 33 mm / 4 Hole , Ti	2
4-5440	Quarter Tubular Plate Length 41 mm / 5 Hole , Ti	2
4-5460	Quarter Tubular Plate Length 49 mm / 6 Hole , Ti	2
4-5480	Quarter Tubular Plate Length 57 mm / 7 Hole , Ti	2
4-5500	Quarter Tubular Plate Length 65 mm / 8 Hole , Ti	2
4-5520	L - Plate , oblique left 3/2 Hole , Ti	2
4-5540	L - Plate , oblique right 3/2 Hole , Ti	2
4-5560	T - Plate , Shaft 3/2 , Ti	4

Cat.No.:	Plates for Dia. 1.5 mm / 2.0 mm Cortex Screws	Pcs.:
4-5900	Mini Plate 2.0 straight , 3 Hole / Length 17 mm , Ti	2
4-5920	Mini Plate 2.0 straight , 4 Hole / Length 23 mm , Ti	2
4-5940	Mini Plate 2.0 straight , 5 Hole / Length 29 mm , Ti	2
4-6000	Mini L - Plate 2.0 oblique left 2/2 Hole , Ti	2
4-6020	Mini L - Plate 2.0 oblique right 2/2 Hole , Ti	2
4-6040	Mini T - Plate 2.0 , 2/2 Hole , Ti	4

Cat.No.:	Kirschner Wires with Trocar	Pcs.:
7-200	Dia. 0.8 mm / Length 70 mm , Steel	10
7-201	Dia. 1.0 mm / Length 70 mm , Steel	10
7-252	Dia. 1.0 mm / Length 150 mm , Steel	10
7-254	Dia. 1.2 mm / Length 150 mm , Steel	10
7-260	Dia. 1.6 mm / Length 150 mm , Steel	10



TREU = INSTRUMENTE

Mini Fragment Combined Instruments and Implant Set

Instruments for 1.5 and 2.0 mm \varnothing Screw



- 9-071 Tap 1.5 mm \varnothing (Dental)
- 9-072 Tap 2.0 mm \varnothing (Dental)
- 9-073 Tap 2.7 mm \varnothing



- Drill Bit with end to fit quick coupling
- 9-010 1.1 mm \varnothing
- 9-012 1.5 mm \varnothing
- 9-014 2.0 mm \varnothing
- 9-018 2.7 mm \varnothing



- 9-100 Mini Countersink



- 9-110 Depth Gauge for 1.5 mm and 2.0 mm \varnothing screws



- 9-250 Mini Drill Sleeve for 1.1 mm and 1.5 mm \varnothing drill bits
- 9-253 Mini Drill Sleeve for 1.5 mm and 2.0 mm \varnothing drill bits



- 9-102 Small Countersink with end to fit quick coupling



TREU = INSTRUMENTE



9-096 Tap Handle with dental coupling



9-094 Tap Handle with quick coupling



9-170 Small Hexagonal Screwdriver
1.5 mm with holding sleeve
9-172 2.5 mm with holding sleeve



9-760 Periosteal Elevator



9-112 Depth Gauge for 2.7 - 4.0 mm ø screws



9-256 Tap Sleeve 3.5 mm ø



9-116 Sharp Hook



TREU = INSTRUMENTE

CORTICAL SCREWS



self cutting screws, tapping not needed

	STAINLESS STEEL	TITAN
Dia of thread	1,5 mm	1,5 mm
Dia of core	1,0 mm	1,0 mm
Dia of head	3,0 mm	3,0 mm
Length		
6 mm	4-1400	4-140000
7 mm	4-1402	4-140200
8 mm	4-1404	4-140400
9 mm	4-1406	4-140600
10 mm	4-1408	4-140800
11 mm	4-1410	4-141000
12 mm	4-1412	4-141200
14 mm	4-1414	4-141400
16 mm	4-1416	4-141600
18 mm	4-1418	4-141800
20 mm	4-1420	4-142000



TREU = INSTRUMENTE

CORTICAL SCREWS



self cutting screws, tapping not needed

	STAINLESS STEEL	TITAN
Dia of thread	2,0 mm	2,0 mm
Dia of core	1,3 mm	1,3 mm
Dia of head	4,0 mm	4,0 mm
Length		
6 mm	4-1430	4-143000
7 mm		
8 mm	4-1432	4-143200
9 mm		
10 mm	4-1434	4-143400
11 mm		
12 mm	4-1436	4-143600
14 mm	4-1438	4-143800
16 mm	4-1440	4-144000
18 mm	4-1442	4-144200
20 mm	4-1444	4-144400
22 mm	4-1446	4-144600
24 mm	4-1448	4-144800



TREU = INSTRUMENTE

CORTICAL SCREWS



self cutting screws, tapping not needed

	STAINLESS STEEL	TITAN	STAINLESS STEEL	TITAN
Dia of thread	2,7 mm	2,7 mm	2,7 mm	2,7 mm
Dia of core	1,9 mm	1,9 mm	1,9 mm	1,9 mm
Dia of head	5,0 mm	5,0 mm	5,0 mm	5,0 mm
Length				
6 mm	4-460	4-46000		
7 mm				
8 mm	4-462	4-46200		
9 mm				
10 mm	4-464	4-46400	4-1464	4-146400
12 mm	4-466	4-46600	4-1466	4-146600
14 mm	4-468	4-46800	4-1468	4-146800
16 mm	4-470	4-47000	4-1470	4-147000
18 mm	4-472	4-47200	4-1472	4-147200
20 mm	4-474	4-47400	4-1474	4-147400
22 mm	4-476	4-47600	4-1476	4-147600
24 mm	4-478	4-47800	4-1478	4-147800
26 mm	4-480	4-48000	4-1480	4-148000
28 mm	4-482	4-48200	4-1482	4-148200
30 mm	4-484	4-48400	4-1484	4-148400
32 mm	4-486	4-48600	4-1486	4-148600
34 mm	4-488	4-48800	4-1488	4-148800
36 mm	4-490	4-49000	4-1490	4-149000
38 mm	4-492	4-49200	4-1492	4-149200
40 mm	4-494	4-49400	4-1494	4-149400



TREU = INSTRUMENTE

Mini Plates

Plates for 2.7 mm ø Screws



Profil: 8.0 x 2.0 mm
Distance between holes: 8.0 mm

STAINLESS STEEL	Length	Holes	TITAN
4-520	20 mm	2	4-5200
4-522	36 mm	4	4-5220
4-524	44 mm	5	4-5240
4-526	52 mm	6	4-5260



Finger Plates
Quarter-tubular Plates

STAINLESS STEEL	Length	Holes	TITAN
4-540	25 mm	3	4-5400
4-542	33 mm	4	4-5420
4-544	41 mm	5	4-5440
4-546	49 mm	6	4-5460
4-548	57 mm	7	4-5480
4-550	65 mm	8	4-5500

Profil: 8.0 x 2.5 mm
Distance between holes: 8.0 mm

STAINLESS STEEL	Length	Holes	TITAN
4-528	60 mm	7	4-5280
4-530	68 mm	8	4-5300
4-532	76 mm	9	4-5320
4-534	84 mm	10	4-5340
4-536	100 mm	12	4-5360



STAINLESS STEEL				
4-552	4-554	4-556	4-558	4-560
oblique left	oblique right	straight	angled left 90°	angled right 90°

TITAN				
4-5520	4-5540	4-5560	4-5580	4-5600
oblique left	oblique right	straight	angled left 90°	angled right 90°



STAINLESS STEEL	TITAN
4-562	4-5620



TREU = INSTRUMENTE

Mini Plates

Plates for 2.0 mm \varnothing Screws

Profil:
 Thick 4-6 holes 1.0 mm
 Thick 7-8 holes 1.5 mm
 Broad 5 mm
 Distance 5 mm



STAINLESS STEEL	Length	Holes	TITAN
4-570	22 mm	4	4-5700
4-572	27 mm	5	4-5720
4-574	32 mm	6	4-5740
4-576	37 mm	7	4-5760
4-578	42 mm	8	4-5780



Profil: 5.0 x 1.2 mm
 Distance between holes: 5.0 mm

Mini T-Plates for 2.0 mm Screws
 Primary Indication: Fracture of the phalanges

STAINLESS STEEL	Length	Holes in head	Holes in shaft	TITAN
4-580	50 mm	3	9	4-5800
4-582	50 mm	4	9	4-5820



Straight Mini Plates for 2.0 mm screws
 with 20 holes, 100 mm length

STAINLESS STEEL		TITAN
4-584		4-5840



Mini - Adaptationplate for 2.0 mm screws
 with 20 holes, 100 mm length

STAINLESS STEEL		TITAN
4-586		4-5860



Straight Mini Plates
 Profil:
 Thick: 1.2 mm
 Broad: 5 mm
 Distance: 6 mm

STAINLESS STEEL	Length	Holes	TITAN
4-590	17 mm	3	4-5900
4-592	23 mm	4	4-5920
4-594	29 mm	5	4-5940
4-596	35 mm	6	4-5960



STAINLESS STEEL				
4-600	4-602	4-604	4-606	4-608
oblique left	oblique right	straight	angled left 90°	angled right 90°

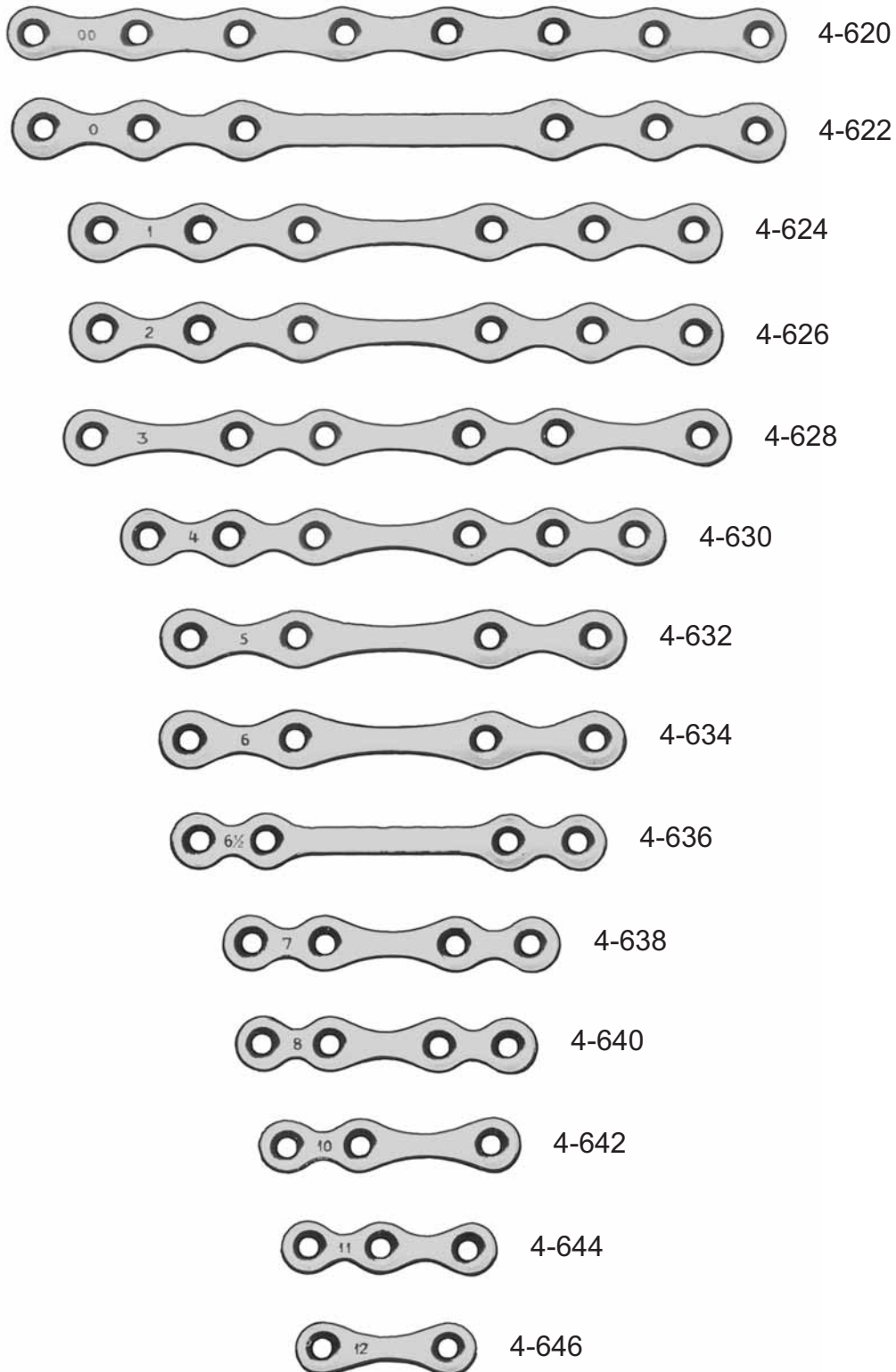
TITAN				
4-6000	4-6020	4-6040	4-6060	4-6080
oblique left	oblique right	straight	angled left 90°	angled right 90°



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SHERMAN Bone Plates Stainless Steel

for screws \varnothing 3,5 4-002 - 4-044





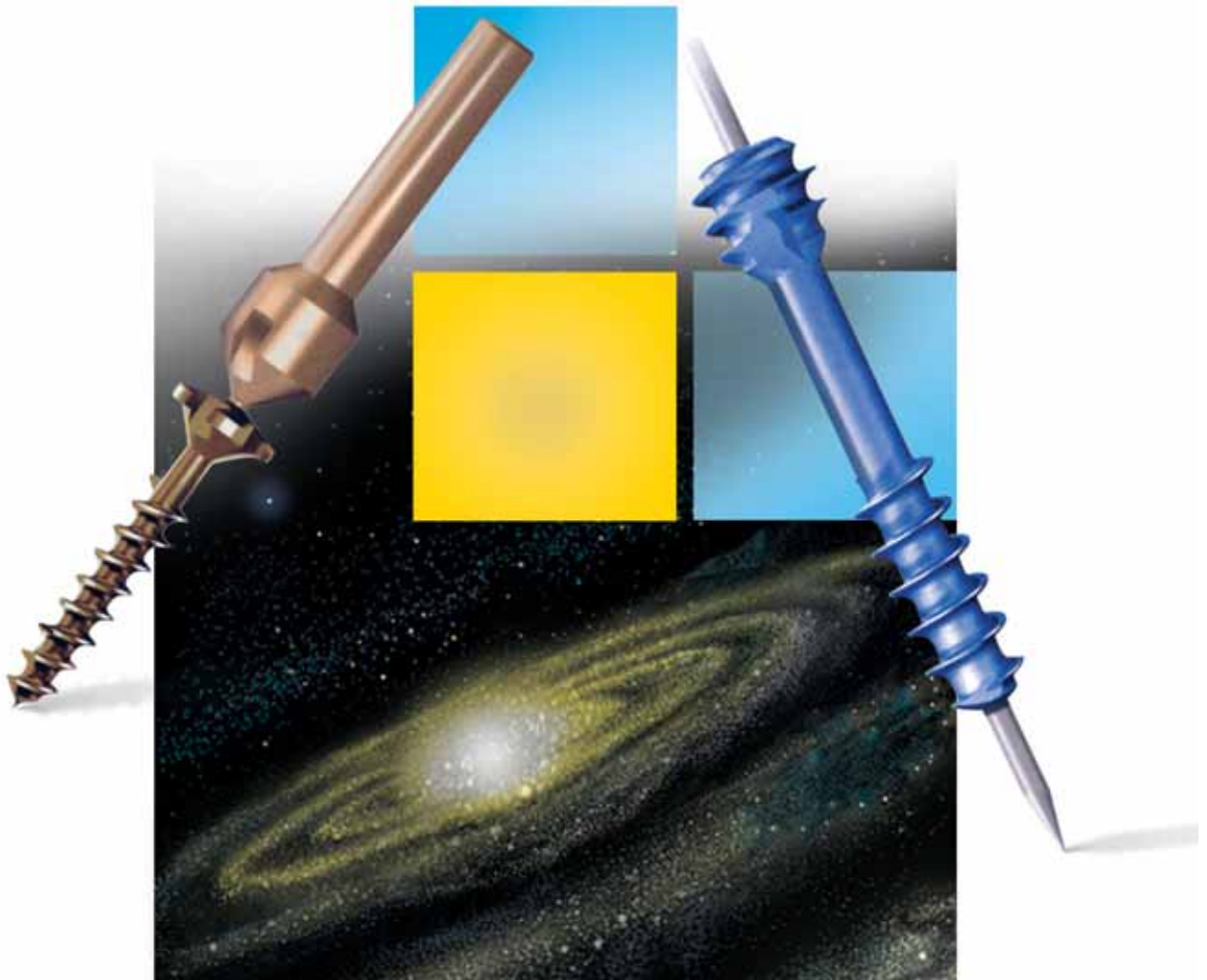
SNAP OFF SCREW SYSTEM

Self-drilling and Self-tapping

HBS COMPRESSION SCREW SYSTEM

Double threading for optimal compression

Scaphoid Bone Screws TITAN



HAND AND FOOT SURGERY



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INSTRUMENTS



Recommended Sterilization Container for Set
Cat. No. T4700 (are not include in the Set)
Cat. No. 15-2162 Sterilization Container 310x190x65 mm,
Lid and Bottom perforated



Cat. No. T4701
Graphic Case (Tray in Steel) for Set Cat. No. T4701

INSTRUMENT / IMPLANT SET

Cat. No. T4700 HBS and Snap off Screw
Implant and Instrument Set



IMPLANTS

For Cat. No. see page 6!

Scaphoid bone screws in Titanium DIN ISO 5832-3
HBS bone screw system

Dia. 4.0 mm  Dia. 3.0 mm

For Cat. No. see page 9!

Self-drilling and tapping Snap off Screw Dia. 2.0 mm
in Titanium DIN ISO 5832-3 (weil osteotomy)

 Dia. 2.0 mm

Listing for Set Cat. No. T4700

Cat. No.: Instruments for HBS - Snap off Screw System	Pcs.:
4-739 HBS - Guide Wire Dia. 1.0 mm x Length 80 mm	-4-
4-740 HBS - Cannulated Drill Bit Dia. 2.1 mm / 3.3 mm	-1-
4-741 HBS - Cannulated Drill Bit Dia. 2.1 mm / 3.3 mm	-1-
4-742 HBS - Screw Length Gauge	-1-
4-743 HBS - Measuring Sleeve for Guide Wire	-1-
4-744 HBS - Cannulated Screw Driver, Hexagonal 2.0 mm	-1-
4-745 HBS - Screwdriver for Snap off Screws	-1-
4-184 Screw Forceps	-1-
Cat. No.: Dia. 3.0 mm Ti. HBS Screws, Cannulated	Pcs.:
4-712 Length 12 mm, Titanium	-4-
4-714 Length 14 mm, Titanium	-4-
4-716 Length 16 mm, Titanium	-4-
4-718 Length 18 mm, Titanium	-4-
4-720 Length 20 mm, Titanium	-4-
4-722 Length 22 mm, Titanium	-4-
4-724 Length 24 mm, Titanium	-4-
4-726 Length 26 mm, Titanium	-4-
4-728 Length 28 mm, Titanium	-4-
4-730 Length 30 mm, Titanium	-4-
Cat. No.: Dia. 2.0 mm Ti. Snap off Screws	Pcs.:
4-760 Length 11 mm, Titanium	-4-
4-762 Length 12 mm, Titanium	-4-
4-764 Length 13 mm, Titanium	-4-
4-766 Length 14 mm, Titanium	-4-



INSTRUMENTS



Cat. No. 4-739 HBS- Guide Wire Dia. 1.0 mm x Length 80 mm



Cat. No. 4-740 HBS- Cannulated Drill Bit Dia. 2.1 mm/3.3 mm



Cat. No. 4-741 HBS- Cannulated Drill Bit Dia. 2.1 mm



Cat. No. 4-742 HBS- Screw Length Gauge



Cat. No. 4-743 HBS- Measuring Sleeve for Guide Wire 4-739



Cat. No. 4-744 HBS- Cannulated Screw Driver, Hex. 2.0 mm



Cat. No. 4-745 HBS- Screw Driver for Snap off Screws



Cat. No. 4-184 Screw Forceps



9-540 Verbrügge Bone Holding Forceps 175 mm



Cat. No. 13-3250 Inge 16.0 cm



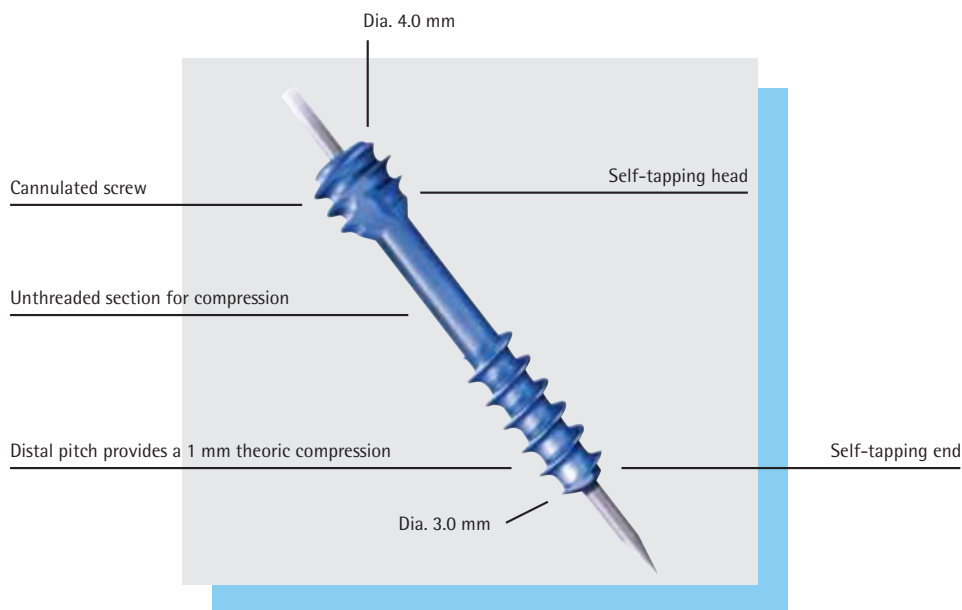
DOUBLE THREADING FOR OPTIMAL COMPRESSION

Design rationale & Main features

The Compression Screw is easy to insert (over a guide wire) and provides efficient compression (through two separate threadings with different pitches, and an intermediate unthreaded section), thus ensuring quick, dependable internal fixation.

INDICATIONS

- Distal & proximal metatarsal osteotomies
- SCARF osteotomy
- Uni and biocortical internal fixation (ex.: scaphoid)
- Small bone fusion



Cat. No.:	Total Length	Cat. No.:	Total Length
	Cannulated		non Cannulated
4-712	12 mm	4-713	12 mm
4-714	14 mm	4-715	14 mm
4-716	16 mm	4-717	16 mm
4-718	18 mm	4-719	18 mm
4-720	20 mm	4-721	20 mm
4-722	22 mm	4-723	22 mm
4-724	24 mm	4-725	24 mm
4-726	26 mm	4-727	26 mm
4-728	28 mm	4-729	28 mm
4-730	30 mm	4-731	30 mm



SELF-DRILLING & SELF-TAPPING

Design rationale & Main features

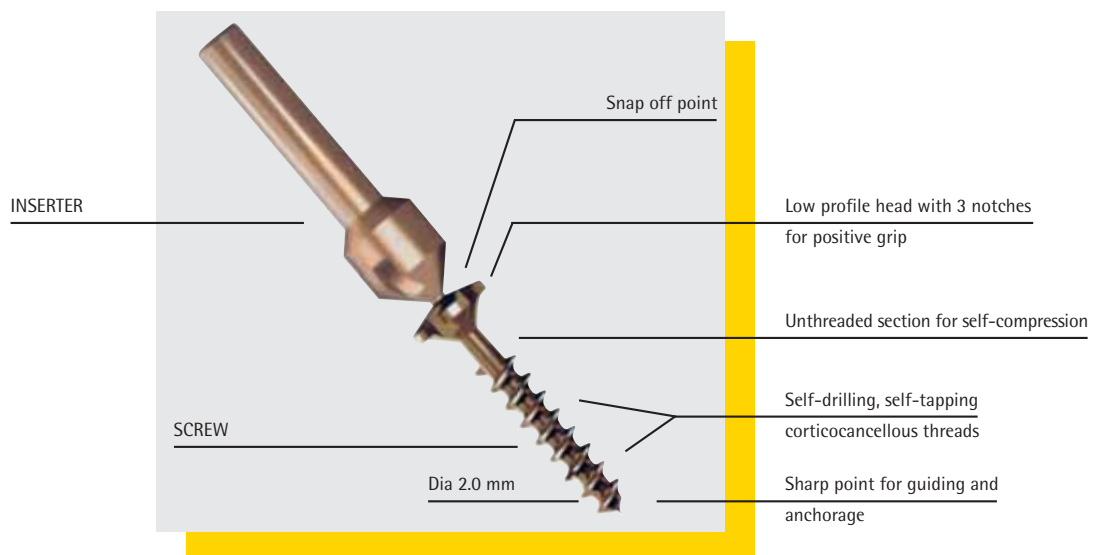
The Snap off Screw provides superior fixation: it saves time (no need for a pilot drill hole), and it is easy to use, safe (clean break), accurate (guide point), and efficient (self-compression).

The Snap off Screw consists of two parts: implantable screw which provides firm anchorage inserter which allows powered insertion.

INDICATIONS

- Weil osteotomy
- Unicortical internal fixation

4-760 Snap off Screw Ø 2 mm Length 11 mm
4-762 Snap off Screw Ø 2 mm Length 12 mm
4-764 Snap off Screw Ø 2 mm Length 13 mm
4-766 Snap off Screw Ø 2 mm Length 14 mm



SURGICAL TECHNIQUE (WEIL OSTEOTOMY)

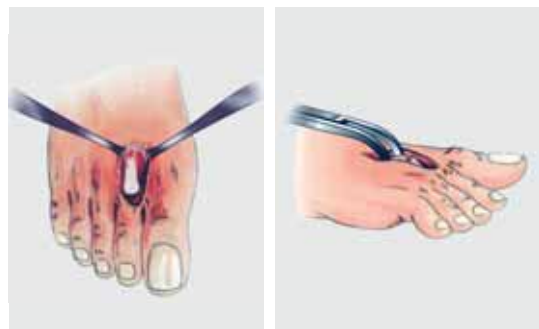
EXPOSURE

The procedure is performed using a dorsal intermetatarsal and/or transverse approach.

After the two extensor muscles have been separated:

- Hohmann retractors are placed on both metatarsal sides.
- The metatarsophalangeal joint is dislocated between the extensor digitorum longus and the extensor digitorum brevis.
- A Hinge spreader is inserted to protect the extensor muscles and afford good exposure for the osteotomy.

1





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OSTEOTOMY

Osteotomy is performed using an oscillating saw:

- Make a 3 cm (approximately) horizontal cut parallel to the sole, to increase the interfragmental contact area and thus enhance healing.
- Osteotomy results in spontaneous recession of the metatarsal head, which relieves tension on soft tissue.

2



TRANSLATION

- Grasp the metatarsal head with Kocher forceps
- Use the „Index Plus Minus“ formula and the Lelièvre Curve to determine the amount of recession of the metatarsal head.
- The metatarsal head must be held in the correct position for subsequent screw fixation.

3



INSERTION OF THE SNAP OFF SCREW

- Connect the screw inserter to the power drill, and drive the screw into the metatarsal.
- The inserter snaps off as soon as the screw head makes contact with the dorsal cortex.
- If necessary, insertion of the screw can be completed with the special screwdriver (with 3 notches).

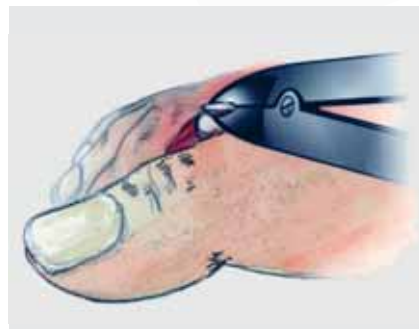
4



RESECTION OF THE BONE PEAK

- Bone peak is resected using Liston pliers. This allows deep flexion of the metatarsophalangeal joint.
- It may be necessary to perform a Z-shaped release (Green technique) of the extensor muscles.

5



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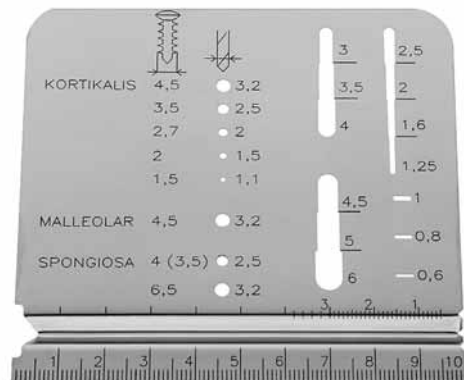
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T 321 Alu Case (without racks)



- T 310** Rack for \varnothing 1.5 mm screws
- T 311** Rack for \varnothing 2.0 mm screws
- T 312** Rack for \varnothing 2.7 mm screws



3-530 Measuring Gauge for Screws



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Container komplett: Boden silber - Deckel nach Farbskala
 Container complete: Bottom silvery - Lid acc. to color chart
 Contenedor completo: Fondo plateado - tapa según escala de colores
 Contaiier complet: fond argenté - Couvercle selon l'échelle de couleurs
 Contenitore completo: fondo argenteo - coperchio secondo scala cromatica

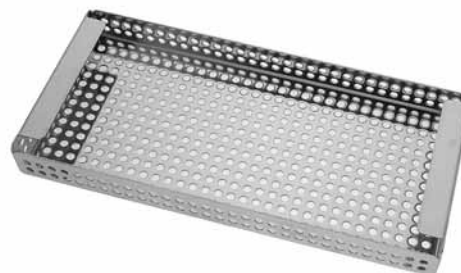


MINI-CONTAINER

Deckel gelocht - Boden ungelocht · Lid perforated - Bottom non-perforated · Tapa perforada - Fondo no perforado Couvercle perforé - Fond non - perforé · Coperchio forato - Fondo non forato							
Silber	Gold	Rot	Blau	Grün			
Silvery	Golden	Red	Blue	Green			
Plateado	Dorado	Rojo	Azul	Verde			
Argenté	Doré	Rouge	Bleu	Vert			
Argenteo	Dorato	Rosso	Azzurro	Verde			
Cat. No.:	Cat. No.:	Cat. No.:	Cat. No.:	Cat. No.:	L (mm)	B (mm)	H (mm)
15-2000	15-2010	15-2014	15-2018	15-2022	300	140	40
15-2002	15-2012	15-2016	15-2020	15-2024	300	140	70
15-2026	15-2028	15-2030	15-2032	15-2034	300	140	100

Deckel gelocht - Boden gelocht · Lid perforated - Bottom perforated · Tapa perforada - Fondo perforado Couvercle perforé - Fond perforé · Coperchio forato - Fondo forato							
Silber	Gold	Rot	Blau	Grün			
Silvery	Golden	Red	Blue	Green			
Plateado	Dorado	Rojo	Azul	Verde			
Argenté	Doré	Rouge	Bleu	Vert			
Argenteo	Dorato	Rosso	Azzurro	Verde			
Cat. No.:	Cat. No.:	Cat. No.:	Cat. No.:	Cat. No.:	L (mm)	B (mm)	H (mm)
15-2100	15-2110	15-2120	15-2130	15-2140	300	140	40
15-2102	15-2112	15-2122	15-2132	15-2142	300	140	70
15-2144	15-2146	15-2148	15-2152	15-2154	300	140	100

Aus perforiertem Blech
 From Perforated Sheet Metal
 En tôle perforée
 De chapa de acero perforada
 In acciaio perforato



15-2150
 275 x 115 x 30 mm



TREU = INSTRUMENTE

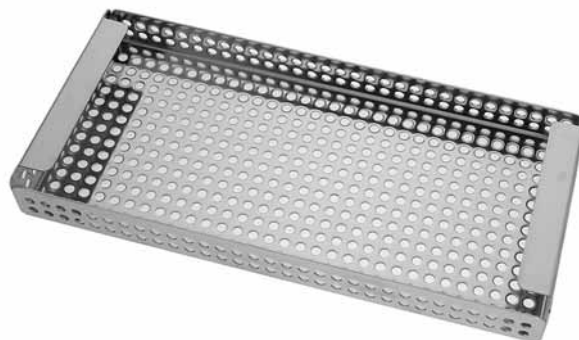
Container komplett: Boden silber - Deckel nach Farbskala
 Container complete: Bottom silvery - Lid acc. to color chart
 Contenedor completo: Fondo plateado - tapa según escala de colores
 Contaiier complet: fond argenté - Couvercle selon l'échelle de couleurs
 Contenitore completo: fondo argenteo - coperchio secondo scala cromatica



Deckel gelocht - Boden gelocht · Lid perforated - Bottom perforated · Tapa perforada - Fondo perforado
 Couvercle perforé - Fond perforé · Coperchio forato - Fondo forato

Silber	Gold	Rot	Blau	Grün				
Silvery	Golden	Red	Blue	Green		L (mm)	B (mm)	H (mm)
Plateado	Dorado	Rojo	Azul	Verde		310	190	40
Argenté	Doré	Rouge	Bleu	Vert		310	190	65
Argenteo	Dorado	Rosso	Azzurro	Verde		310	190	130
Cat. No.:	Cat. No.:	Cat. No.:	Cat. No.:	Cat. No.:				

Aus perforiertem Blech
 From Perforated Sheet Metal
 En tôle perforée
 De chapa de acero perforada
 In acciaio perforato



15-2200
 275 x 170 x 30 mm



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Kennzeichnungsschilder, ohne Gravur
 Identification labels, without engraving
 Placas de identificación, sin grabación
 Etiquettes d'identification, sans gravure
 Etichette d'identificazione senza incisione

Kennzeichnungsschilder graviert nach Ihren Angaben, mit max. 16 Stellen
 Identification labels engraved to your specifications, up to 16 letters
 Placas de identificación grabadas según sus instrucciones, con una maxima de 16 letras
 Etiquettes d'identification gravées selon vos spécifications, jusqu'à 16 espaces
 Etichette d'identificazione incise secondo le Vostre indicazioni, con mass. 16 posizioni



15-32801	Aluminium plates neutral blue
15-32802	Aluminium plates neutral red
15-32803	Aluminium plates neutral green
15-32804	Aluminium plates neutral silver
15-32805	Aluminium plates neutral gold

15-32861	Aluminium plates engraved blue
15-32862	Aluminium plates engraved red
15-32863	Aluminium plates engraved green
15-32864	Aluminium plates engraved silver
15-32865	Aluminium plates engraved gold



15-3290
 Einweg-Papierplakette mit chemischem Indicator
 Disposable paper label with chemical indicator
 100 pcs. / Package
Single
For Full and Half Size Containers

15-3291
 100 Pcs / Package
 Paper label with indicator
 For small Size and Special Set Containers



15-3296
 Tuchhalteklammer
 Cloth fixing clamp
 Clip de fijación
 Pince à champs
 Moletta di fissaggio



15-3298
 Tuchhalteklammer doppelt
 Twin socket cloth fixing clamp
 Clip de fijación doble
 Pince à champs double
 Moletta di fissaggio



15-3294
 Siegel
 Seal
 Precintos
 Plombs
 Sigilli
 1000 pcs. / Package



15-3300
 Tuchhalterahmen 600 x 300 mm
 Cloth fixing frame for module 600 x 300 mm
 Bastidor tensor para 600 x 300 mm
 Cadre tendeur pour 600 x 300 mm
 Telaio per tele di avvolgimento per 600 x 300 mm

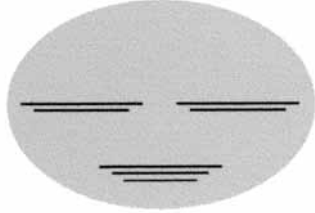


15-3302
 Tuchhalterahmen 300 x 300 mm
 Cloth fixing frame for module 300 x 300 mm
 Bastidor tensor para 300 x 300 mm
 Cadre tendeur pour 300 x 300 mm
 Telaio per tele di avvolgimento per 300 x 300 mm



TREU = INSTRUMENTE

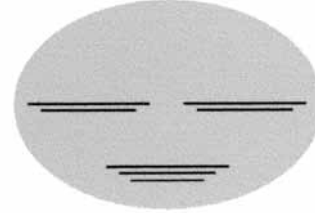
Textile Filters



Langzeit-Textilfilter, Lieferung einzeln
 Long-term textile filters, delivered individually
 Filtros de tejido de larga duración, suministro suelto
 Filtres textiles longue durée, livraison à l'unité
 Filtri tessili a lunga durata, fornitura singola

Cat. No.:	
15-3310	for 1/1, 3/4, 1/2 Containers

Disposable Paper Filters



Einmal-Papierfilter, Packung 1000 Stück
 Disposable paper filters, package of 1000 pieces
 Filtros de papel de un solo uso, paquete a 1000 piezas
 Filtres papiers à usage unique, par paquet de 1000 pièces
 Filtri di carta per un solo uso, confezione da 1000 pezzi

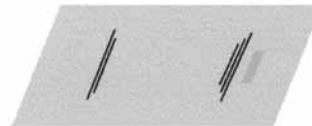
Cat. No.:	
15-3320	for 1/1, 3/4, 1/2 Containers

Single For Small Size Container



15-3314

100 Pcs / Package For Small Size Container



15-3324

Single For Special Set Container



15-3328

100 Pcs / Package For Special Set Container



15-3330



Wrapping drape cotton green

Cat. No.:	
15-3350	60 x 40 cm
15-3352	65 x 65 cm
15-3354	85 x 85 cm



TREU = INSTRUMENTE



TREU - INSTRUMENTE

TREU LOCKING - PLATE SYSTEM TS 3.0

PRECISION



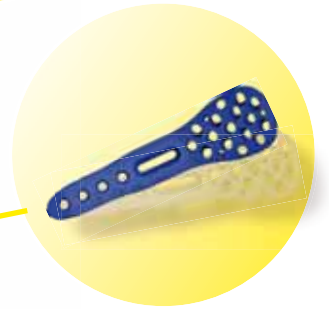
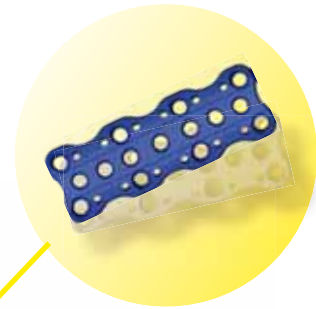
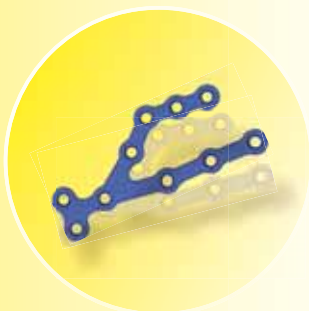
LOCKIT
quality made in Germany

WINKELSTABIL
ANGLE - STABLE



Drive

IN FIXATION



Rev: 190111



TREU = INSTRUMENTE

TS3.0 - Treu Locking Plate System

Symbolbeschreibung Symbol Description



Achtung: Platte als linke und rechte Version erhältlich
Attention: Left and right version of the item available



Achtung: Unterschiedliche Instrumente
Attention: Different instruments



Achtung: Für weitere Informationen siehe entsprechende Gebrauchsanweisung
Attention: For further information refer to the respective manual



Achtung: Weitere Informationen sind in „Tips & Tricks“ zu finden
Attention: Further Information can be found in „Tips & Tricks“



Achtung: Operationsanleitung beachten
Attention: Please consider the manual of the surgical technique





TREU = INSTRUMENTE

TS3.0 Kortikalisschrauben winkelstabil / selbstschneidend TS3.0 Cortical Screws angle-stable / self tapping



Drive



Schraubendurchmesser · Screw Diameter 3.0 mm
Kerndurchmesser · Core diameter 2.1 mm
Kopfdurchmesser · Head diameter 4.0 mm
Bohrer f. Gewindeloch · Drill bit for threaded hole 2.5 mm
Kompatibel zu T-Drive 8 · Compatible to T-Drive 8

Titan · Titanium	ø	Länge · Length	VPE · PU
4-9002	3.0 mm	12 mm	1
4-9003	3.0 mm	14 mm	1
4-9004	3.0 mm	16 mm	1
4-9005	3.0 mm	18 mm	1
4-9006	3.0 mm	20 mm	1
4-9007	3.0 mm	22 mm	1
4-9008	3.0 mm	24 mm	1
4-9009	3.0 mm	26 mm	1
4-9010	3.0 mm	28 mm	1
4-9011	3.0 mm	30 mm	1
4-9012	3.0 mm	32 mm	1
4-9013	3.0 mm	34 mm	1
4-9014	3.0 mm	36 mm	1
4-9015	3.0 mm	38 mm	1
4-9016	3.0 mm	40 mm	1
4-9017	3.0 mm	42 mm	1
4-9018	3.0 mm	44 mm	1
4-9019	3.0 mm	46 mm	1
4-9020	3.0 mm	48 mm	1
4-9021	3.0 mm	50 mm	1
4-9022	3.0 mm	52 mm	1
4-9023	3.0 mm	54 mm	1
4-9024	3.0 mm	56 mm	1
4-9025	3.0 mm	58 mm	1
4-9026	3.0 mm	60 mm	1

TS3.0 Spongiaschrauben winkelstabil / selbstschneidend TS3.0 Cancellous Screws angle-stable / self tapping



Drive



Schraubendurchmesser · Screw Diameter 3.0 mm
Kerndurchmesser · Core diameter 1.6 mm
Kopfdurchmesser · Head diameter 4.0 mm
Bohrer f. Gewindeloch · Drill bit for threaded hole 2.0 mm
Kompatibel zu T-Drive 8 · Compatible to T-Drive 8

Titan · Titanium	ø	Länge · Length	VPE · PU
4-9030	3.0 mm	12 mm	1
4-9031	3.0 mm	14 mm	1
4-9032	3.0 mm	16 mm	1
4-9033	3.0 mm	18 mm	1
4-9034	3.0 mm	20 mm	1
4-9035	3.0 mm	22 mm	1
4-9036	3.0 mm	24 mm	1
4-9037	3.0 mm	26 mm	1
4-9038	3.0 mm	28 mm	1
4-9039	3.0 mm	30 mm	1
4-9040	3.0 mm	32 mm	1
4-9041	3.0 mm	34 mm	1
4-9042	3.0 mm	36 mm	1
4-9043	3.0 mm	38 mm	1
4-9044	3.0 mm	40 mm	1
4-9045	3.0 mm	42 mm	1
4-9046	3.0 mm	44 mm	1
4-9047	3.0 mm	46 mm	1
4-9048	3.0 mm	48 mm	1
4-9049	3.0 mm	50 mm	1
4-9050	3.0 mm	52 mm	1
4-9051	3.0 mm	54 mm	1
4-9052	3.0 mm	56 mm	1
4-9053	3.0 mm	58 mm	1
4-9054	3.0 mm	60 mm	1



TREU = INSTRUMENTE

TS3.0 Kortikalisschrauben selbstschneidend TS3.0 Cortical Screws self tapping



Schraubendurchmesser · Screw Diameter 3.0 mm
 Kerndurchmesser · Core diameter 2.1 mm
 Kopfdurchmesser · Head diameter 4.0 mm
 Bohrer f. Gewindeloch · Drill bit for threaded hole 2.5 mm
 Kompatibel zu T-Drive 8 · Compatible to T-Drive 8

Titan · Titanium	ø	Länge · Length	VPE · PU
4-9060	3.0 mm	12 mm	1
4-9061	3.0 mm	14 mm	1
4-9062	3.0 mm	16 mm	1
4-9063	3.0 mm	18 mm	1
4-9064	3.0 mm	20 mm	1
4-9065	3.0 mm	22 mm	1
4-9066	3.0 mm	24 mm	1
4-9067	3.0 mm	26 mm	1
4-9068	3.0 mm	28 mm	1
4-9069	3.0 mm	30 mm	1
4-9070	3.0 mm	32 mm	1
4-9071	3.0 mm	34 mm	1
4-9072	3.0 mm	36 mm	1
4-9073	3.0 mm	38 mm	1
4-9074	3.0 mm	40 mm	1
4-9075	3.0 mm	42 mm	1
4-9076	3.0 mm	44 mm	1
4-9077	3.0 mm	46 mm	1
4-9078	3.0 mm	48 mm	1
4-9079	3.0 mm	50 mm	1
4-9080	3.0 mm	52 mm	1
4-9081	3.0 mm	54 mm	1
4-9082	3.0 mm	56 mm	1
4-9083	3.0 mm	58 mm	1
4-9084	3.0 mm	60 mm	1

TS3.0 Spongiaschrauben selbstschneidend TS3.0 Cancellous Screws self tapping



Schraubendurchmesser · Screw Diameter 3.0 mm
 Kerndurchmesser · Core diameter 1.6 mm
 Kopfdurchmesser · Head diameter 4.0 mm
 Bohrer f. Gewindeloch · Drill bit for threaded hole 2.0 mm
 Kompatibel zu T-Drive 8 · Compatible to T-Drive 8

Titan · Titanium	ø	Länge · Length	VPE · PU
4-9090	3.0 mm	12 mm	1
4-9091	3.0 mm	14 mm	1
4-9092	3.0 mm	16 mm	1
4-9093	3.0 mm	18 mm	1
4-9094	3.0 mm	20 mm	1
4-9095	3.0 mm	22 mm	1
4-9096	3.0 mm	24 mm	1
4-9097	3.0 mm	26 mm	1
4-9098	3.0 mm	28 mm	1
4-9099	3.0 mm	30 mm	1
4-9100	3.0 mm	32 mm	1
4-9101	3.0 mm	34 mm	1
4-9102	3.0 mm	36 mm	1
4-9103	3.0 mm	38 mm	1
4-9104	3.0 mm	40 mm	1



TREU = INSTRUMENTE

TRS - Radiusplatte palmar standard winkelstabil **TRS - Radius Plate palmar standard angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9110	9 Head · 3 Shaft	links	1
4-9112	9 Head · 5 Shaft	left	1
4-9114	9 Head · 3 Shaft	rechts	1
4-9116	9 Head · 5 Shaft	right	1

Plattenstärke · Plate thickness 2.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TRSe - Radiusplatte palmar Extended standard winkelstabil **TRSe - Radius Plate palmar Extended standard angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9122	9 Head · 3 Shaft	links	1
4-9124	9 Head · 5 Shaft	left	1
4-9126	9 Head · 3 Shaft	rechts	1
4-9128	9 Head · 5 Shaft	right	1

Plattenstärke · Plate thickness 2.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws





TREU = INSTRUMENTE

TRSD - Radiusplatte dorsal standard winkelstabil **TRSD - Radius Plate dorsal standard angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9134	7 Head · 3 Shaft	links · left	1
4-9136	7 Head · 3 Shaft	rechts · right	1

Plattenstärke · Plate thickness 1.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TRSr - Radiusplatte palmar für Revisionseingriffe winkelstabil **TRSr - Radius Plate palmar for revision surgeries angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9142	9 Head · 8 Shaft	links · left	1
4-9144	9 Head · 8 Shaft	rechts · right	1

Plattenstärke · Plate thickness 2.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TS-RSL - Handgelenksfusionsplatte winkelstabil **TS-RSL - Wrist fusion Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9150	14 Head · 3 Shaft	links · right left · right	1

Plattenstärke · Plate thickness 1.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws



TREU = INSTRUMENTE

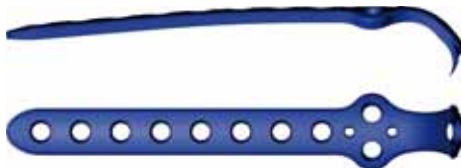
TRSad - Radiusplatte dorsal, für Handgelenksarthrodesen winkelstabil **TRSad - Radius Plate dorsal, for Wrist Arthrodesis angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9154	11	links · rechts left · right	1

Plattenstärke · Plate thickness 3.0 mm
 Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TOS - Olekranonplatte winkelstabil **TOS - Olecranon Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9156	6	89 mm	1
4-9158	8	99 mm	1
4-9160	10	115 mm	1
4-9162	12	131 mm	1

Plattenstärke · Plate thickness 2.5 mm
 Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TS GP - Gerade Platte winkelstabil **TS GP - Straight Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9166	7/2	84 mm	1
4-9168	7/4	101 mm	1
4-9170	9/4	121 mm	1
4-9172	11/4	141 mm	1

Plattenstärke · Plate thickness 2.5 mm
 Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws



TREU = INSTRUMENTE

TDRS - Drittelrohrplatten winkelstabil **TDRS - 1 / 3 Tubular Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9176	4	34 mm	1
4-9178	5	42 mm	1
4-9180	6	50 mm	1
4-9182	7	58 mm	1
4-9184	8	66 mm	1
4-9186	10	82 mm	1
4-9188	12	98 mm	1

Plattenstärke · Plate thickness 1.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

THS PHP - Humerusplatte proximal Standard winkelstabil **THS PHP - Humerus Plate proximal Standard angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9192	14 Head · 3 Shaft	84 mm	1
4-9194	14 Head · 4 Shaft	92 mm	1
4-9196	14 Head · 5 Shaft	100 mm	1
4-9198	14 Head · 6 Shaft	108 mm	1
4-9200	14 Head · 8 Shaft	124 mm	1
4-9202	14 Head · 10 Shaft	140 mm	1

Plattenstärke · Plate thickness 3.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

THSdu - Humerusplatte distal ulnarer Pfeiler winkelstabil **THSdu - Humerus Plate distal ulna column angle-stable**



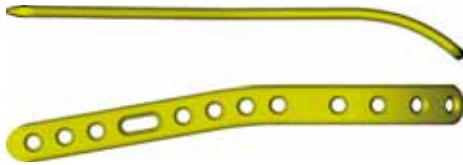
Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9206	10	links · rechts left · right	1

Plattenstärke · Plate thickness 2.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws



TREU - INSTRUMENTE

THSdrd - Humerusplatte distal radialer Pfeiler dorsal winkelstabil **THSdrd - Humerus Plate distal radial column dorsal angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9210	11	links · left	1
4-9212	11	rechts · right	1

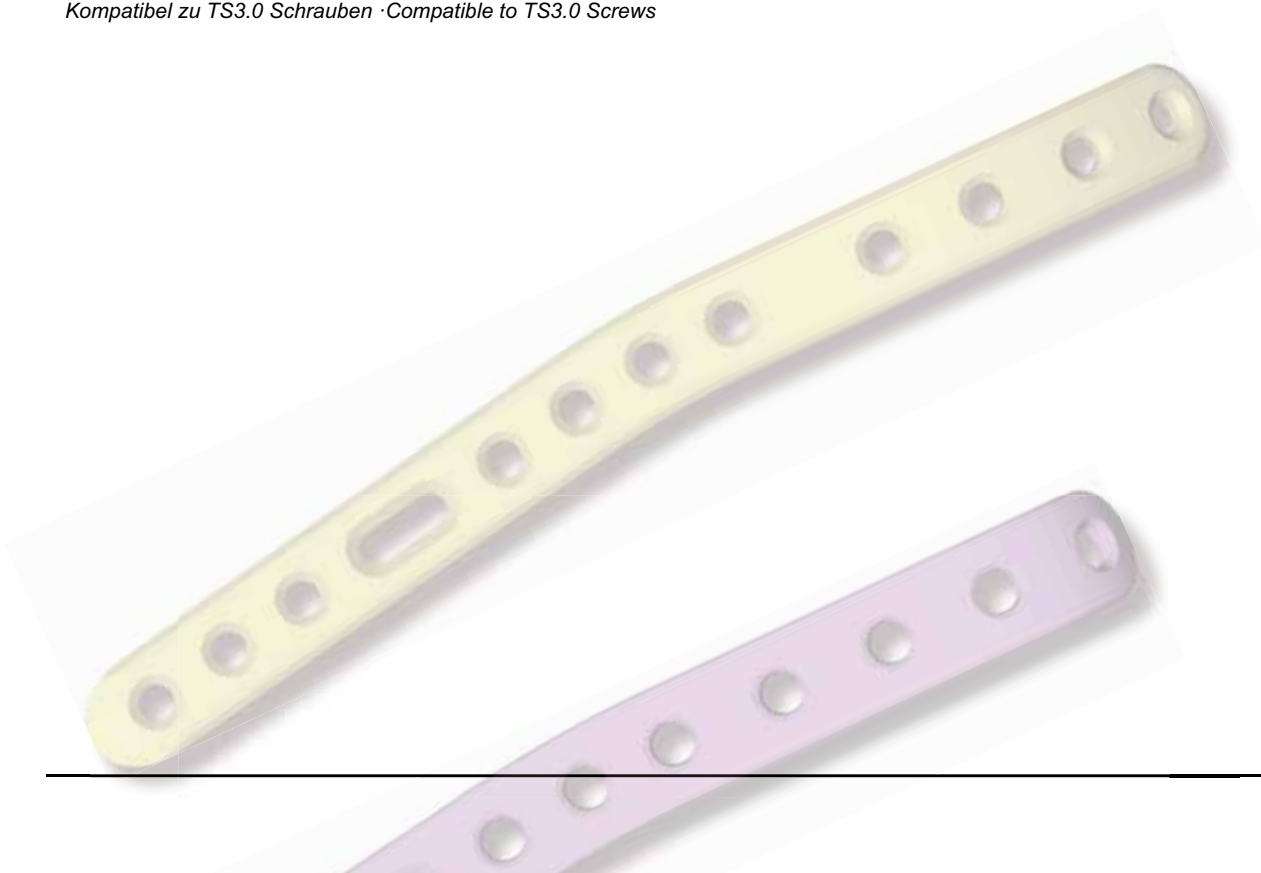
Plattenstärke · Plate thickness 3.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

THSdrl - Humerusplatte distal radialer Pfeiler lateral winkelstabil **THSdrl - Humerus Plate distal radial column lateral angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9216	11	links · left	1
4-9218	11	rechts · right	1

Plattenstärke · Plate thickness 2.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws





TREU = INSTRUMENTE

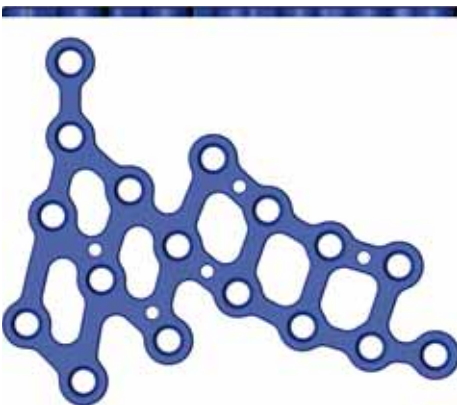
TCaS - Calcaneusplatte winkelstabil **TCaS - Calcaneus Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9222	10	links / left	1
4-9224	10	rechts / right	1

Plattenstärke · Plate thickness 1.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TCaSn - Calcaneusnetzplatte winkelstabil **TCaSn - Calcaneus Mesh Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9228	17	links / left	1
4-9230	17	rechts / right	1

Plattenstärke · Plate thickness 1.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TTSow - Tarsusplatte opening Wedge winkelstabil **TTSow - Tarsus Plate opening Wedge angle-stable**



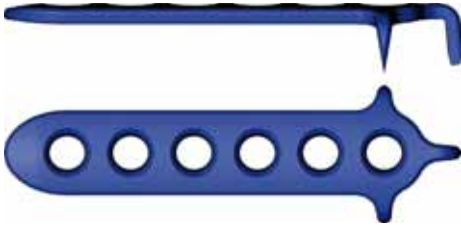
Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9234	3	links · rechts left · right	1

Plattenstärke · Plate thickness 1.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws



TREU = INSTRUMENTE

TKS - Hallux Krallenplatte winkelstabil **TKS - Hallux Claw Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9238	6	38 mm	1
4-9240	8	50 mm	1

Plattenstärke · Plate thickness 1.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TKS - Krallenplatte winkelstabil **TKS - Claw Plate angle-stable**



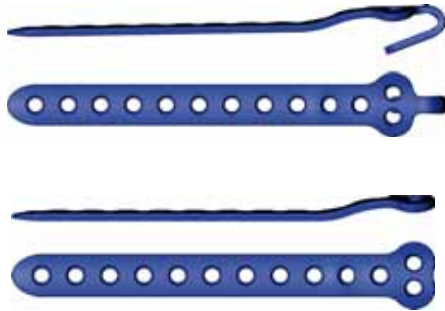
Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9242	4	45 mm	1
4-9244	5	53 mm	1
4-9246	6	61 mm	1
4-9248	8	77 mm	1
4-9250	10	93 mm	1
4-9252	12	109 mm	1

Plattenstärke · Plate thickness 1.5 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws



TREU = INSTRUMENTE

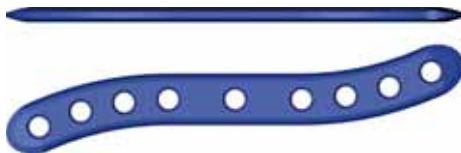
TFS - Fibulaplatte winkelstabil **TFS - Fibula Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9256	7	mit Haken	1
4-9258	9	with hook	1
4-9260	11	mit Haken	1
4-9262	13	with hook	1
4-9266	7	ohne Haken	1
4-9268	9	without hook	1
4-9270	11	ohne Haken	1
4-9272	13	without hook	1

Plattenstärke · Plate thickness 2.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TCS - Claviculaplatte winkelstabil **TCS - Clavicle Plate angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9276	7	links · rechts	1
4-9278	9	left · right	1
4-9280	11	links · rechts	1

Plattenstärke · Plate thickness 3.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TCSe - Claviculaplatte Extended winkelstabil **TCSe - Clavicle Plate Extended angle-stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9284	7	links · rechts	1
4-9286	9	left · right	1
4-9288	11	links · rechts	1

Plattenstärke · Plate thickness 3.7 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws



TREU = INSTRUMENTE

TWS - Halswirbelsäulenplatte winkelstabil **TWS - Cervical Spine Plate angle-stable**



Titan · Titanium	Etagenhöhe Level Height	Etagen / Farbe Levels / Colour	VPE · PU
13-2170	16	1 · blau · blue	1
13-2172	18	1 · grün · green	1
13-2174	20	1 · gelb · yellow	1
13-2176	22	1 · pink · pink	1
13-2178	16	2 · blau · blue	1
13-2180	18	2 · grün · green	1
13-2182	20	2 · gelb · yellow	1
13-2184	22	2 · pink · pink	1
13-2186	16	3 · blau · blue	1
13-2188	18	3 · grün · green	1
13-2190	20	3 · gelb · yellow	1
13-2192	22	3 · pink · pink	1

Plattenstärke · Plate thickness 1.5 - 2.0 mm
Kompatibel zu TS3.0 Schrauben · Compatible to TS3.0 Screws

TS3.0 - Unterlegscheibe nicht winkelstabil **TS3.0 - washer not angle stable**



Titan · Titanium	Lochanzahl · N° of Holes	Länge · Length	VPE · PU
4-9292	1	7 mm	1



TREU = INSTRUMENTE



Drill Bits

ø mm	AO shaft	Length mm	round shaft	Length mm
1.5	9-012	85 / 60	9-042	70 / 55
2.0	9-014	100 / 75	9-044	85 / 70
2.5	9-016	110 / 85	9-046	95 / 80



9-094
Tap Handle for AO shaft (Ferozell)



9-092
Tap Handle for AO shaft



9-083
Drill-Handle (9-0892) with Jacobs three-jaw Chuck (9-084) and Key (9-0840), complete (for round shaft)



TREU - INSTRUMENTE



9-112
Depth Gauge for Small Screws



4-9400
Drill guide with inserts (complete)
2,0 mm and 2,5 mm
Bohrbüchsen mit Einsätzen
2,0 mm und 2,5 mm (komplett)



4-9402
Drill guide for inserts 2,0 mm and 2,5 mm
Bohrbüchsen Griff für Bohrbüchsen Einsätze
2,0 mm und 2,5 mm



4-9404
Inserts for drill guide
(4-9402) 2,0 mm, cancellous
Bohrbüchsen Einsatz
für Bohrbüchsen Griff
(4-9402) 2,0 mm, Spongiosa



4-9406
Inserts for drill guide
(4-9402) 2,5 mm, cortical
Bohrbüchsen Einsatz
für Bohrbüchsen Griff
(4-9402) 2,5 mm, Kortikalis



9-406
Bending Plier



06-586
Plattenfaßpinzette, 15,5 cm
Plate Holding Forceps, 15,5 cm



4-184
Screw Forceps



9-116
Sharp Hook
for checking alignment of fracture ends and
for removing in-grown tissue in screw heads



TREU = INSTRUMENTE

„THORX“ Technology



4-9310
T-8 Drive



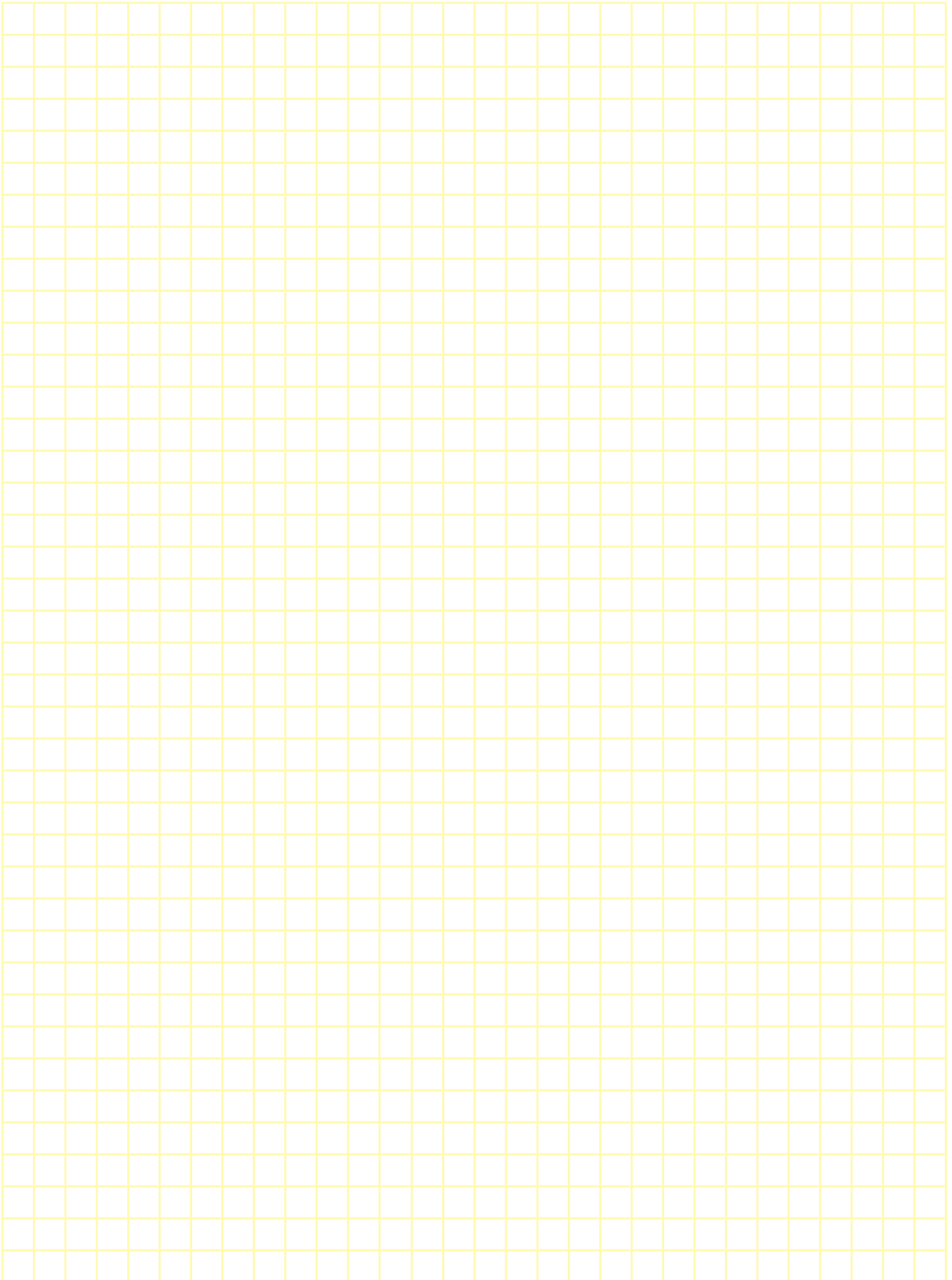
06-4020
Schraubendreher, T-8 Drive, fest 18,0 cm
selbsthaltend für Schrauben ø 3,0 mm
Screw-driver, T-8 Drive, firm 18,0 cm
selfretaining, for screws ø 3,0 mm



06-4040
Screw-driver blade
T-8 Drive
ø 3,0 mm

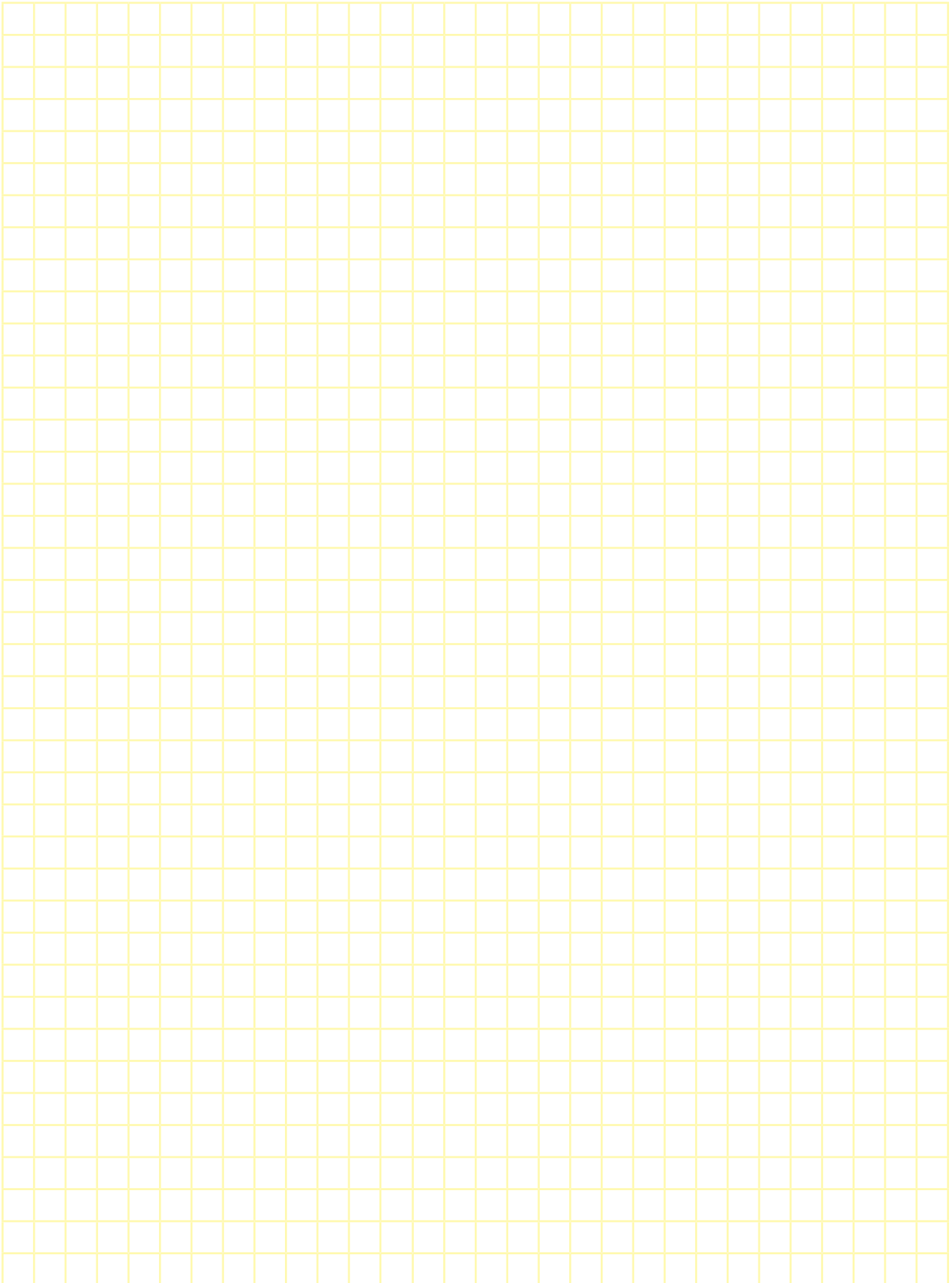


TREU = INSTRUMENTE



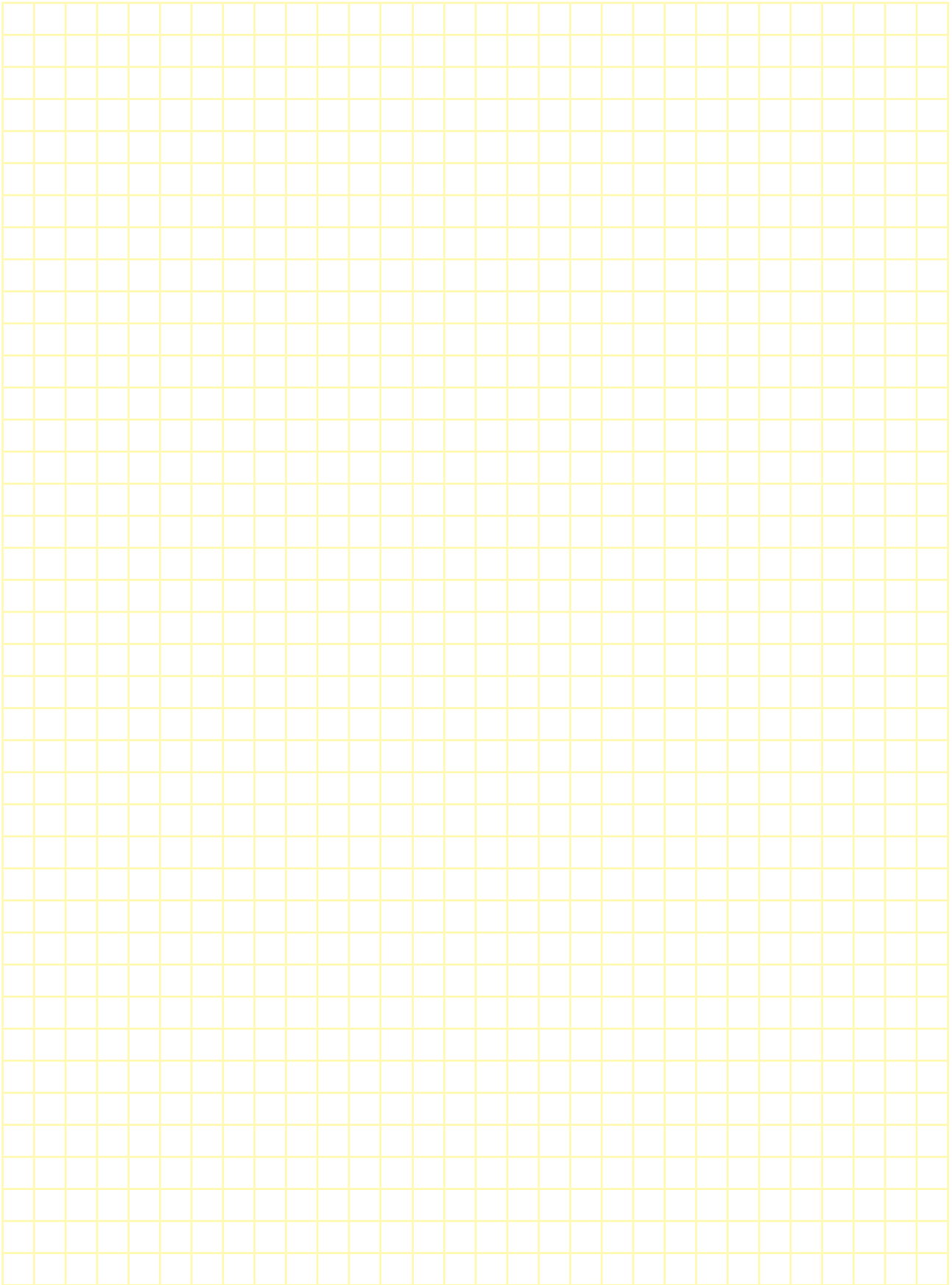


TREU = INSTRUMENTE





TREU = INSTRUMENTE





TREU - INSTRUMENTE

TREU INSTRUMENTE GMBH - INTERNATIONAL - TRAUMATOLOGY - ORTHOPAEDICS
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TELEFAX 49 74 61 / 7 75 67 · INTERNET: www.treu.com
