



GWOŹDZIE, GROTOWKRĘTY
NAILS, SCREWS
СТЕРЖНИ, ВИНТЫ



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GWOŹDZIE, GROTOWKRĘTY / NAILS, SCREWS / СТЕРЖНИ, ВИНТЫ

Gwoździe Rush'a

Rush nails

Стержни Раша 05.02

Gwoździe Rush'a z główką

Rush nails with head

Стержни Раша с головкой 05.02

Instrumentarium do gwoździ Rush'a

Rush nails instrument set

Инструменты для стержней Раша 05.03

Gwoździe Endera

Ender nails

Стержни Эндера 05.04

Instrumentarium do gwoździ Endera

Ender nails instruments

Инструменты для стержней Эндера 05.05

Gwoździe Hackethala-Epibloc

Hackethal-epibloc nails

Спицы Хакетала-эпиблок 05.06

Gwoździe Kirschnera

Kirschner wires

Спицы Куршнера 05.07 - 05.08

Gwoździe Kirschnera gwintowane

Kirschner wires with tapping

Спицы Куршнера с резьбой 05.08

Groty Steinmanna

Steinmann pins

Гроты Штаймана 05.09 - 05.10

Groty Steinmanna z gwintem centralnym

Steinmann pins with central tapping

Гроты Штаймана с центральной резьбой 05.10

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Schanz's screws self-tapping

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Grotowkręty stożkowe

Conical screw

Конусные стержни 05.13

Gwóźdź Nystrom-Szulc

Nystrom-Szulc nail

Гвоздь Nystrom-Szulc 05.13

Druty

Wires

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Wire and nail cutting forceps

Клещи для проволоки и стержней 05.16 - 05.17

Klamry

Staples

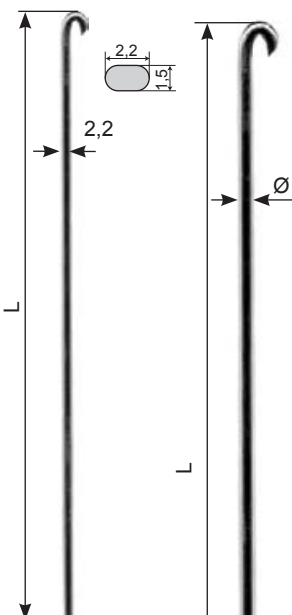
Скобы 05.18

Instrumentarium do klamer

Instruments for staples

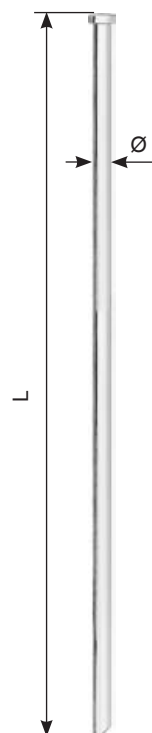
Инструменты для скоб 05.18

L[mm]	Nr katalogowy, Catalogue no., Каталожный No.	
	STAL, Steel, Сталь	TYTAN, Titanium, Титан
30	1.2223.030	3.2223.030
35	1.2223.035	3.2223.035
40	1.2223.040	3.2223.040
45	1.2223.045	3.2223.045
50	1.2223.050	3.2223.050
55	1.2223.055	3.2223.055
60	1.2223.060	3.2223.060
65	1.2223.065	3.2223.065
70	1.2223.070	3.2223.070
75	1.2223.075	3.2223.075
80	1.2223.080	3.2223.080
90	1.2223.090	3.2223.090
100	1.2223.100	3.2223.100
110	1.2223.110	3.2223.110
120	1.2223.120	3.2223.120
130	1.2223.130	3.2223.130
140	1.2223.140	3.2223.140
150	1.2223.150	3.2223.150

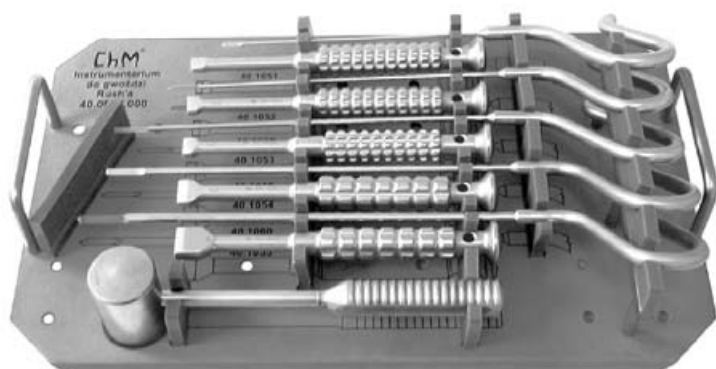


Gwoźdź Rusha z główką
Rush nail with head
Стержень Раша с головкой

Ø [mm]	L [mm]	Nr katalogowy, Catalogue no., Каталожный No.		Ø [mm]	L [mm]	Nr katalogowy, Catalogue no., Каталожный No.	
		STAL, Steel, Сталь	TYTAN, Titanium, Титан			STAL, Steel, Сталь	TYTAN, Titanium, Титан
2,4	130	1.1760.130	3.1760.130	4,8	130	1.1763.130	3.1763.130
	140	1.1760.140	3.1760.140		140	1.1763.140	3.1763.140
	150	1.1760.150	3.1760.150		150	1.1763.150	3.1763.150
	160	1.1760.160	3.1760.160		160	1.1763.160	3.1763.160
	170	1.1760.170	3.1760.170		170	1.1763.170	3.1763.170
	180	1.1760.180	3.1760.180		180	1.1763.180	3.1763.180
	190	1.1760.190	3.1760.190		190	1.1763.190	3.1763.190
	200	1.1760.200	3.1760.200		200	1.1763.200	3.1763.200
	210	1.1760.210	3.1760.210		210	1.1763.210	3.1763.210
	220	1.1760.220	3.1760.220		220	1.1763.220	3.1763.220
	230	1.1760.230	3.1760.230		230	1.1763.230	3.1763.230
	240	1.1760.240	3.1760.240		240	1.1763.240	3.1763.240
	250	1.1760.250	3.1760.250		250	1.1763.250	3.1763.250
	260	1.1760.260	3.1760.260		260	1.1763.260	3.1763.260
	270	1.1760.270	3.1760.270		270	1.1763.270	3.1763.270
	280	1.1760.280	3.1760.280		280	1.1763.280	3.1763.280
	290	1.1760.290	3.1760.290		290	1.1763.290	3.1763.290
	300	1.1760.300	3.1760.300		300	1.1763.300	3.1763.300
3,2	130	1.1761.130	3.1761.130	6,0	130	1.1764.130	3.1764.130
	140	1.1761.140	3.1761.140		140	1.1764.140	3.1764.140
	150	1.1761.150	3.1761.150		150	1.1764.150	3.1764.150
	160	1.1761.160	3.1761.160		160	1.1764.160	3.1764.160
	170	1.1761.170	3.1761.170		170	1.1764.170	3.1764.170
	180	1.1761.180	3.1761.180		180	1.1764.180	3.1764.180
	190	1.1761.190	3.1761.190		190	1.1764.190	3.1764.190
	200	1.1761.200	3.1761.200		200	1.1764.200	3.1764.200
	210	1.1761.210	3.1761.210		210	1.1764.210	3.1764.210
	220	1.1761.220	3.1761.220		220	1.1764.220	3.1764.220
	230	1.1761.230	3.1761.230		230	1.1764.230	3.1764.230
	240	1.1761.240	3.1761.240		240	1.1764.240	3.1764.240
	250	1.1761.250	3.1761.250		250	1.1764.250	3.1764.250
	260	1.1761.260	3.1761.260		260	1.1764.260	3.1764.260
	270	1.1761.270	3.1761.270		270	1.1764.270	3.1764.270
	280	1.1761.280	3.1761.280		280	1.1764.280	3.1764.280
	290	1.1761.290	3.1761.290		290	1.1764.290	3.1764.290
	300	1.1761.300	3.1761.300		300	1.1764.300	3.1764.300
4,0	130	1.1762.130	3.1762.130	6,4	130	1.1765.130	3.1765.130
	140	1.1762.140	3.1762.140		140	1.1765.140	3.1765.140
	150	1.1762.150	3.1762.150		150	1.1765.150	3.1765.150
	160	1.1762.160	3.1762.160		160	1.1765.160	3.1765.160
	170	1.1762.170	3.1762.170		170	1.1765.170	3.1765.170
	180	1.1762.180	3.1762.180		180	1.1765.180	3.1765.180
	190	1.1762.190	3.1762.190		190	1.1765.190	3.1765.190
	200	1.1762.200	3.1762.200		200	1.1765.200	3.1765.200
	210	1.1762.210	3.1762.210		210	1.1765.210	3.1765.210
	220	1.1762.220	3.1762.220		220	1.1765.220	3.1765.220
	230	1.1762.230	3.1762.230		230	1.1765.230	3.1765.230
	240	1.1762.240	3.1762.240		240	1.1765.240	3.1765.240
	250	1.1762.250	3.1762.250		250	1.1765.250	3.1765.250
	260	1.1762.260	3.1762.260		260	1.1765.260	3.1765.260
	270	1.1762.270	3.1762.270		270	1.1765.270	3.1765.270
	280	1.1762.280	3.1762.280		280	1.1765.280	3.1765.280
	290	1.1762.290	3.1762.290		290	1.1765.290	3.1765.290
	300	1.1762.300	3.1762.300		300	1.1765.300	3.1765.300

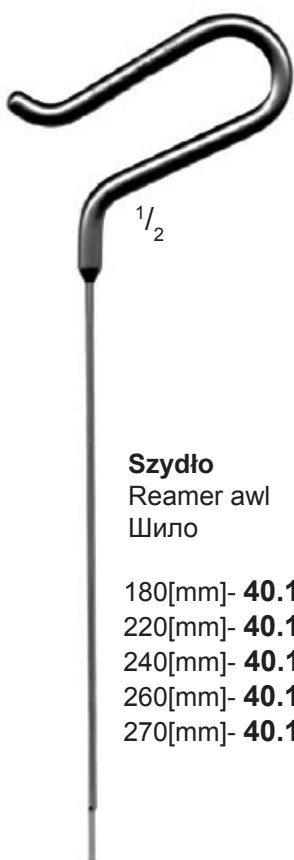


Ø [mm]	L [mm]	Nr katalogowy, Catalogue no., Каталожный No.	
		STAL, Steel, Сталь	TYTAN, Titanium, Титан
2,4	25	1.2051.025	3.2051.025
	30	1.2051.030	3.2051.030
	35	1.2051.035	3.2051.035
	40	1.2051.040	3.2051.040
	45	1.2051.045	3.2051.045
	50	1.2051.050	3.2051.050
	55	1.2051.055	3.2051.055
	60	1.2051.060	3.2051.060
	65	1.2051.065	3.2051.065
	70	1.2051.070	3.2051.070
	75	1.2051.075	3.2051.075
	80	1.2051.080	3.2051.080
	85	1.2051.085	3.2051.085
	90	1.2051.090	3.2051.090
	95	1.2051.095	3.2051.095
	100	1.2051.100	3.2051.100
	110	1.2051.110	3.2051.110
	115	1.2051.115	3.2051.115
	120	1.2051.120	3.2051.120
	125	1.2051.125	3.2051.125
	130	1.2051.130	3.2051.130
	140	1.2051.140	3.2051.140
	150	1.2051.150	3.2051.150
	160	1.2051.160	3.2051.160
	165	1.2051.165	3.2051.165
	170	1.2051.170	3.2051.170
	180	1.2051.180	3.2051.180
	190	1.2051.190	3.2051.190
	200	1.2051.200	3.2051.200
	205	1.2051.205	3.2051.205
	215	1.2051.215	3.2051.215
	220	1.2051.220	3.2051.220
	230	1.2051.230	3.2051.230
	240	1.2051.240	3.2051.240
3,2	100	1.2052.100	3.2052.100
	110	1.2052.110	3.2052.110
	115	1.2052.115	3.2052.115
	120	1.2052.120	3.2052.120
	125	1.2052.125	3.2052.125
	130	1.2052.130	3.2052.130
	140	1.2052.140	3.2052.140
	150	1.2052.150	3.2052.150
	160	1.2052.160	3.2052.160
	165	1.2052.165	3.2052.165
	170	1.2052.170	3.2052.170
	180	1.2052.180	3.2052.180
	190	1.2052.190	3.2052.190
	200	1.2052.200	3.2052.200
	210	1.2052.210	3.2052.210
	220	1.2052.220	3.2052.220
	240	1.2052.240	3.2052.240
4,0	200	1.2053.200	3.2053.200
	210	1.2053.210	3.2053.210
	220	1.2053.220	3.2053.220
	240	1.2053.240	3.2053.240
	260	1.2053.260	3.2053.260
	280	1.2053.280	3.2053.280
	300	1.2053.300	3.2053.300
	320	1.2053.320	3.2053.320
4,8	340	1.2053.340	3.2053.340
	360	1.2053.360	3.2053.360
	200	1.2054.200	3.2054.200
	220	1.2054.220	3.2054.220
	240	1.2054.240	3.2054.240
	260	1.2054.260	3.2054.260
	280	1.2054.280	3.2054.280
	300	1.2054.300	3.2054.300
6,0	320	1.2054.320	3.2054.320
	340	1.2054.340	3.2054.340
	360	1.2054.360	3.2054.360
	250	1.1766.250	3.1766.250
	280	1.1766.280	3.1766.280
	300	1.1766.300	3.1766.300
	320	1.1766.320	3.1766.320
	340	1.1766.340	3.1766.340
6,4	360	1.1766.360	3.1766.360
	380	1.1766.380	3.1766.380
	400	1.1766.400	3.1766.400
	420	1.1766.420	3.1766.420
	280	1.2055.280	3.2055.280
	300	1.2055.300	3.2055.300
	320	1.2055.320	3.2055.320
	340	1.2055.340	3.2055.340
	360	1.2055.360	3.2055.360
	380	1.2055.380	3.2055.380
	400	1.2055.400	3.2055.400
	420	1.2055.420	3.2055.420



Statyw

Stand **40.3581**
Ящик-штатив



Szydło

Reamer awł
Шило

180[mm]- **40.1056**
220[mm]- **40.1057**
240[mm]- **40.1058**
260[mm]- **40.1059**
270[mm]- **40.1060**



Popychacz zginacz

Rush pin driver-bender
Изгибатель - вводитель

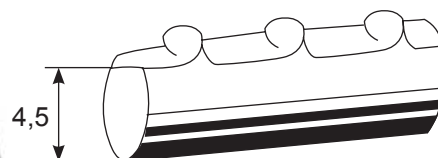
Ø 2,4[mm] - **40.1051**
Ø 3,2[mm] - **40.1052**
Ø 4,0[mm] - **40.1053**
Ø 4,8[mm] - **40.1054**
Ø 6,4[mm] - **40.1055**

Młotek

Hammer **40.0015**
Молоток



Модификованный

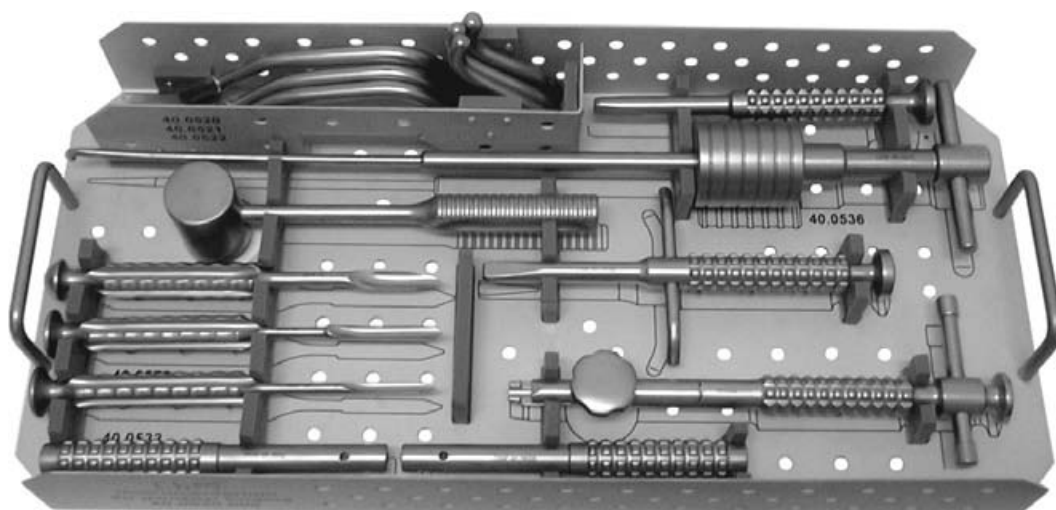


		Nr katalogowy, Catalogue no., Каталожный No.	
Ø [mm]	L [mm]	STAL, Steel, Сталь	
3,5	220	1.2231.220	
	230	1.2231.230	
	240	1.2231.240	
	250	1.2231.250	
	260	1.2231.260	
	270	1.2231.270	
	280	1.2231.280	
	290	1.2231.290	
	300	1.2231.300	
	310	1.2231.310	
	320	1.2231.320	
	330	1.2231.330	
	340	1.2231.340	
	350	1.2231.350	
	360	1.2231.360	
	370	1.2231.370	
	380	1.2231.380	
	390	1.2231.390	
	400	1.2231.400	
4,0	220	1.2232.220	
	230	1.2232.230	
	240	1.2232.240	
	250	1.2232.250	
	260	1.2232.260	
	270	1.2232.270	
	280	1.2232.280	
	290	1.2232.290	
	300	1.2232.300	
	310	1.2232.310	
	320	1.2232.320	
	330	1.2232.330	
	340	1.2232.340	
	350	1.2232.350	
	360	1.2232.360	
	370	1.2232.370	
	380	1.2232.380	
	390	1.2232.390	
	400	1.2232.400	
4,5	220	1.2233.220	
	230	1.2233.230	
	240	1.2233.240	
	250	1.2233.250	
	260	1.2233.260	
	270	1.2233.270	
	280	1.2233.280	
	290	1.2233.290	
	300	1.2233.300	
	310	1.2233.310	
	320	1.2233.320	
	330	1.2233.330	
	340	1.2233.340	
	350	1.2233.350	
	360	1.2233.360	
	370	1.2233.370	
	380	1.2233.380	
	390	1.2233.390	
	400	1.2233.400	
4,8	410	1.2233.410	
	420	1.2233.420	
	430	1.2233.430	
	440	1.2233.440	
	450	1.2233.450	
	460	1.2233.460	
	470	1.2233.470	
	480	1.2233.480	
	490	1.2233.490	
	500	1.2233.500	

Nr katalogowy, Catalogue no., Каталожный No.	
L [mm]	STAL, Steel, Сталь
220	1.2238.220
230	1.2238.230
240	1.2238.240
250	1.2238.250
260	1.2238.260
270	1.2238.270
280	1.2238.280
290	1.2238.290
300	1.2238.300
310	1.2238.310
320	1.2238.320
330	1.2238.330
340	1.2238.340
350	1.2238.350
360	1.2238.360
370	1.2238.370
380	1.2238.380
390	1.2238.390
400	1.2238.400
410	1.2238.410
420	1.2238.420
430	1.2238.430
440	1.2238.440
450	1.2238.450
460	1.2238.460
470	1.2238.470
480	1.2238.480
490	1.2238.490

Lp.	Nr katalogowy Catalogue no. Каталожный №	Nazwa	Name	Название	Szt.
1.	40.0533	Zginacz	Bender	Изгибатель стержней	2
2.	40.0534	Popychacz	Driver	Толкатель	1
3.	40.0535	Ustalacz	Seating instruments	Фиксатор	1
4.	40.0536	Wypychacz	Extractor	Выталкиватель	1
5.	40.0537	Prowadnik	Impactor - Extractor	Направитель	1
6.	40.0520	Szydło wygięte 10 [mm]	Curved awl 10 [mm]	Шило изогнутое 10 [мм]	1
7.	40.0521	Szydło wygięte 12 [mm]	Curved awl 12 [mm]	Шило изогнутое 12 [мм]	1
8.	40.0522	Szydło wygięte 14 [mm]	Curved awl 14 [mm]	Шило изогнутое 14 [мм]	1
9.	40.0572	Szydło proste 6 [mm]	Straight awl 6 [mm]	Шило прямое 6 [мм]	1
10.	40.0573	Szydło proste 8 [mm]	Straight awl 8 [mm]	Шило прямое 8 [мм]	1
11.	40.0575	Szydło proste 11 [mm]	Straight awl 11 [mm]	Шило прямое 11 [мм]	1
12.	40.0015	Młotek	Hammer	Молоток	1
13.	40.3591	Statyw	Stand	Ящик-штатив	1

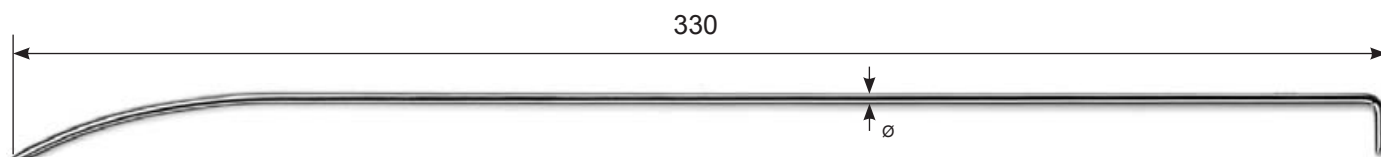
40.0530



05

GWOŹDZIE HACKETHALA-EPIBLOC
 HACKETHAL-EPIBLOC NAILS
 СПИЦЫ ХАКЕТАЛА-ЭПИБЛОК

CHM®



Ø [mm]	Nr katalogowy, Catalogue no., Каталожный №	
	STAL, Steel, Сталь	TYTAN, Titanium, Титан
1,5	1.2420.330	3.2420.330
1,6	1.2421.330	3.2421.330
1,8	1.2422.330	3.2422.330
2,0	1.2423.330	3.2423.330
2,2	1.2424.330	3.2424.330
2,4	1.2425.330	3.2425.330
2,5	1.2426.330	3.2426.330
3,0	1.2427.330	3.2427.330

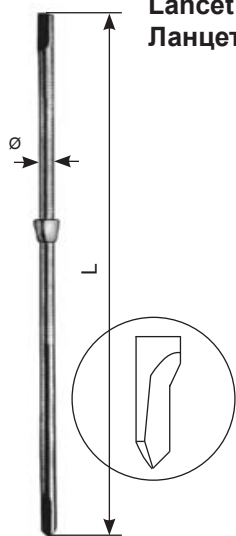


Zacisk
 Clip
 Зажим
40.1698

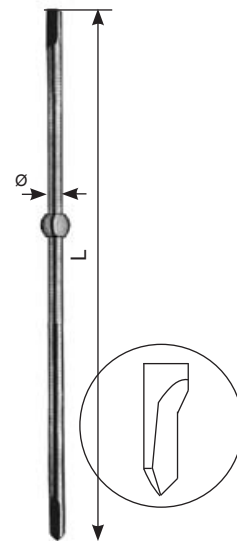
Instrumentarium

Lp.	Nr katalogowy Catalogue no. Каталожный №	Nazwa	Name	Название	Szt.
1.	40.0618	Klucz S10/14	Wrench S10/14	Ключ S10/14	2
2.	40.1698	Zacisk	Clip	Зажим	1

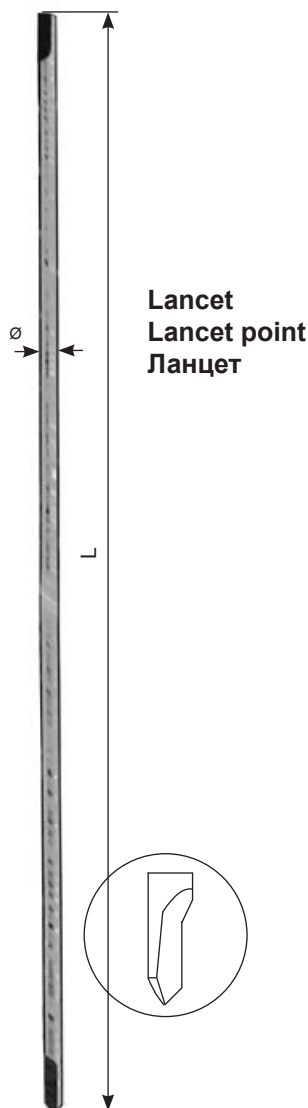
Lancet z ogranicznikiem
Lancet point with limiter
Ланцет с ограничителем



Lancet z ogranicznikiem
Lancet point with limiter
Ланцет с ограничителем



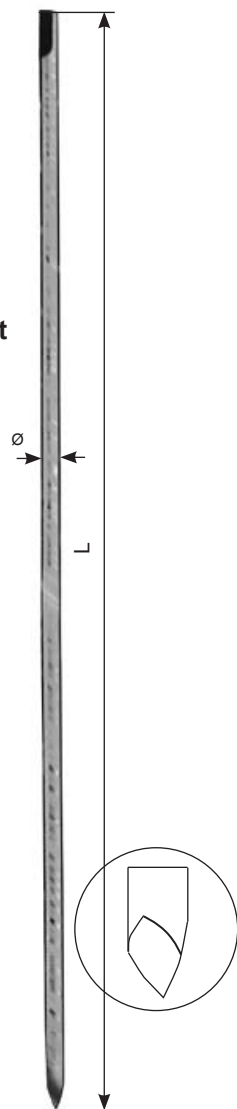
Nr katalogowy Catalogue no. Каталожный Но.		Nr katalogowy Catalogue no. Каталожный Но.	
STAL, Steel, Сталь	Ø [mm]	L [mm]	STAL, Steel, Сталь
1.2028.310	1,5	310	1.2244.310
1.2028.380		380	1.2244.380
1.2033.310	1,6	310	1.2245.310
1.2033.380		380	1.2245.380
1.2029.310	1,8	310	1.2246.310
1.2029.380		380	1.2246.380
1.2030.310	2,0	310	1.2247.310
1.2030.380		380	1.2247.380
1.2031.310	2,2	310	1.2248.310
1.2031.380		380	1.2248.380
1.2032.310	2,5	310	1.2249.310
1.2032.380		380	1.2249.380



Lancet
Lancet point
Ланцет

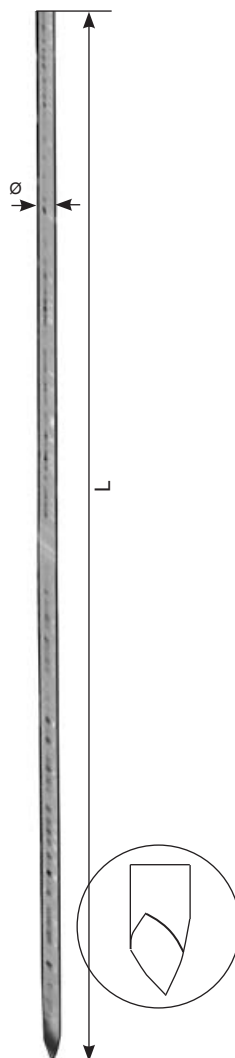
Nr katalogowy, Catalogue no. Каталожный Но.				Nr katalogowy, Catalogue no. Каталожный Но.	
STAL, Steel, Сталь	TYTAN, Titanium, Титан	Ø	L [mm]	STAL, Steel, Сталь	TYTAN, Titanium, Титан
1.2001.070		0,8	70	1.2011.070	
1.2001.150			150	1.2011.150	
1.2001.210			210	1.2011.210	
1.2001.310			310	1.2011.310	
1.2002.150		1,0	150	1.2012.150	
1.2002.210			210	1.2012.210	
1.2002.310			310	1.2012.310	
1.2003.150		1,2	150	1.2013.150	
1.2003.210			210	1.2013.210	
1.2003.310			310	1.2013.310	
		1,4	150	1.2021.150	
			210	1.2021.210	
			310	1.2021.310	
1.2004.150	3.2004.150	1,5	150	1.2014.150	3.2014.150
1.2004.210	3.2004.210		210	1.2014.210	3.2014.210
1.2004.310	3.2004.310		310	1.2014.310	3.2014.310
1.2005.150	3.2005.150	1,6	150	1.2015.150	3.2015.150
1.2005.210	3.2005.210		210	1.2015.210	3.2015.210
1.2005.310	3.2005.310		310	1.2015.310	3.2015.310
1.2006.150	3.2006.150	1,8	150	1.2016.150	3.2016.150
1.2006.210	3.2006.210		210	1.2016.210	3.2016.210
1.2006.310	3.2006.310		310	1.2016.310	3.2016.310
1.2006.380	3.2006.380	2,0	380	1.2016.380	3.2016.380
1.2007.150	3.2007.150		150	1.2017.150	3.2017.150
1.2007.210	3.2007.210		210	1.2017.210	3.2017.210
1.2007.310	3.2007.310		310	1.2017.310	3.2017.310
1.2007.380	3.2007.380		380	1.2017.380	3.2017.380
1.2008.150		2,2	150	1.2018.150	
1.2008.210			210	1.2018.210	
1.2008.310			310	1.2018.310	
1.2008.380			380	1.2018.380	
1.2023.150		2,4	150	1.2022.150	
1.2023.210			210	1.2022.210	
1.2023.310			310	1.2022.310	
1.2023.380			380	1.2022.380	
1.2009.150		2,5	150	1.2019.150	
1.2009.210			210	1.2019.210	
1.2009.310			310	1.2019.310	
1.2009.380			380	1.2019.380	
1.2010.150		3,0	150	1.2020.150	
1.2010.210			210	1.2020.210	
1.2010.310			310	1.2020.310	
1.2010.380			380	1.2020.380	

Trójkąt
Trocar point
Троакап

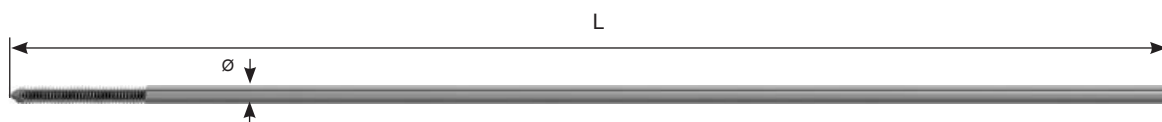


Ø	L [mm]	Nr katalogowy, Catalogue no., Каталожный №	
		STAL, Steel, Сталь	TYTAN, Titanium, Титан
0,8	70	1.2551.070	
	150	1.2551.150	
	210	1.2551.210	
	310	1.2551.310	
1,0	150	1.2552.150	
	210	1.2552.210	
	310	1.2552.310	
1,2	150	1.2553.150	
	210	1.2553.210	
	310	1.2553.310	
1,4	150	1.2554.150	
	210	1.2554.210	
	310	1.2554.310	
1,5	150	1.2555.150	3.2555.150
	210	1.2555.210	3.2555.210
	300	1.2555.300	3.2555.310
	310	1.2555.310	3.2555.310
	330	1.2555.330	3.2555.330
	380	1.2555.380	3.2555.380
1,6	150	1.2556.150	3.2556.150
	210	1.2556.210	3.2556.210
	310	1.2556.310	3.2556.310
1,7	150	1.2557.150	3.2557.150
	210	1.2557.210	3.2557.210
	310	1.2557.310	3.2557.310
1,8	150	1.2558.150	3.2558.150
	210	1.2558.210	3.2558.210
	300	1.2558.300	3.2558.300
	310	1.2558.310	3.2558.310
	330	1.2558.330	3.2558.330
	380	1.2558.380	3.2558.380
2,0	150	1.2559.150	3.2559.150
	210	1.2559.210	3.2559.210
	310	1.2559.310	3.2559.310
	330	1.2559.330	3.2559.330
	380	1.2559.380	3.2559.380
2,2	150	1.2560.150	
	210	1.2560.210	
	310	1.2560.310	
	330	1.2560.330	
	380	1.2560.380	
2,4	150	1.2563.150	
	210	1.2563.210	
	310	1.2563.310	
	380	1.2563.380	
2,5	150	1.2561.150	
	210	1.2561.210	
	310	1.2561.310	
	380	1.2561.380	
3,0	150	1.2562.150	
	210	1.2562.210	
	310	1.2562.310	
	380	1.2562.380	

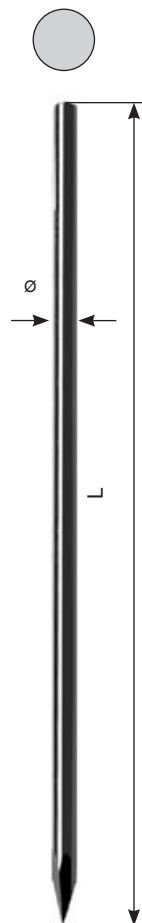
Trójkąt
Trocar point
Троакап



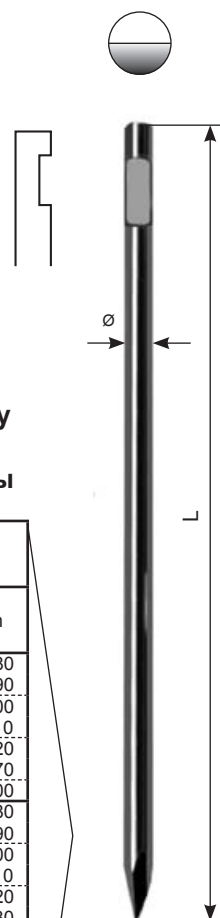
Gwóźdź Kirschnera gwintowany Kirschner wires with tapping Спица Киршнера с резьбой



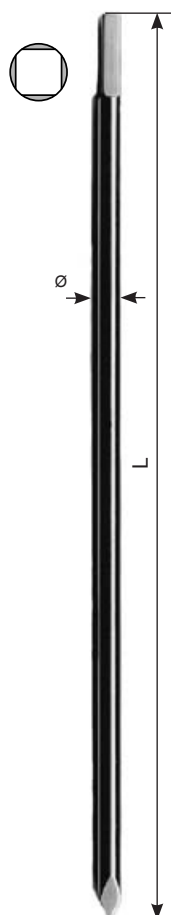
L [mm]	Ø [mm]									
	1,0	1,2	1,4	1,5	1,6	1,8	2,0	2,4	2,5	3,0
	STAL, Steel, Сталь / Nr katalogowy, Catalogue no., Каталожный №									
150	1.1851.150	1.1852.150	1.1853.150	1.1854.150	1.1855.150	1.1856.150	1.1857.150	1.1858.150	1.1859.150	1.1860.150
160	1.1851.160	1.1852.160	1.1853.160	1.1854.160	1.1855.160	1.1856.160	1.1857.160	1.1858.160	1.1859.160	1.1860.160
180	1.1851.180	1.1852.180	1.1853.180	1.1854.180	1.1855.180	1.1856.180	1.1857.180	1.1858.180	1.1859.180	1.1860.180
200	1.1851.200	1.1852.200	1.1853.200	1.1854.200	1.1855.200	1.1856.200	1.1857.200	1.1858.200	1.1859.200	1.1860.200
250	1.1851.250	1.1852.250	1.1853.250	1.1854.250	1.1855.250	1.1856.250	1.1857.250	1.1858.250	1.1859.250	1.1860.250
280	1.1851.280	1.1852.280	1.1853.280	1.1854.280	1.1855.280	1.1856.280	1.1857.280	1.1858.280	1.1859.280	1.1860.280
310	1.1851.310	1.1852.310	1.1853.310	1.1854.310	1.1855.310	1.1856.310	1.1857.310	1.1858.310	1.1859.310	1.1860.310
360	1.1851.360	1.1852.360	1.1853.360	1.1854.360	1.1855.360	1.1856.360	1.1857.360	1.1858.360	1.1859.360	1.1860.360

Wykonanie A
Version A
Изготовление А

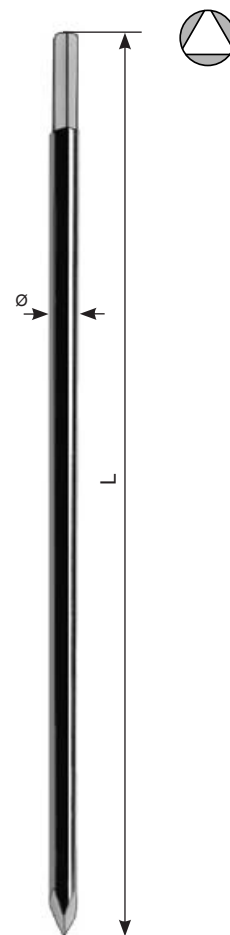
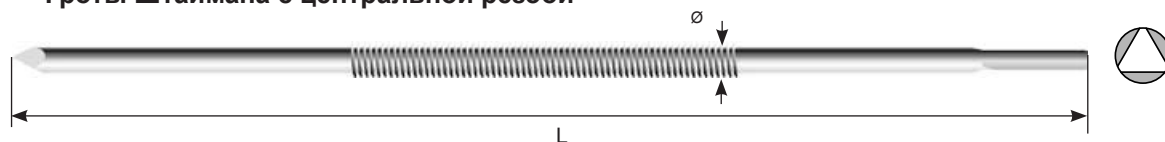
		Nr katalogowy, Catalogue No., Каталожный №.	
Ø	L [mm]	STAL, Steel, Сталь	TYTAN, Titanium Титан
2,0	60	1.2026.060	
	80	1.2026.080	
	100	1.2026.100	
3,0	80	1.2027.080	
	100	1.2027.100	
	120	1.2027.120	
	150	1.2027.150	
	175	1.2027.175	
3,5	80	1.1871.080	3.1871.080
	100	1.1871.100	3.1871.100
	120	1.1871.120	3.1871.120
	140	1.1871.140	3.1871.140
	150	1.1871.150	3.1871.150
	160	1.1871.160	3.1871.160
	180	1.1871.180	3.1871.180
	200	1.1871.200	3.1871.200
	220	1.1871.220	3.1871.220
	240	1.1871.240	3.1871.240
	260	1.1871.260	3.1871.260
4,0	80	1.2042.080	3.2042.080
	90	1.2042.090	3.2042.090
	100	1.2042.100	3.2042.100
	110	1.2042.110	3.2042.110
	120	1.2042.120	3.2042.120
	130	1.2042.130	3.2042.130
	140	1.2042.140	3.2042.140
	150	1.2042.150	3.2042.150
	160	1.2042.160	3.2042.160
	170	1.2042.170	3.2042.170
	180	1.2042.180	3.2042.180
4,5	150	1.2043.150	3.2043.150
	160	1.2043.160	3.2043.160
	170	1.2043.170	3.2043.170
	180	1.2043.180	3.2043.180
	190	1.2043.190	3.2043.190
	200	1.2043.200	3.2043.200
	210	1.2043.210	3.2043.210
	250	1.2043.250	3.2043.250
	300	1.2043.300	3.2043.300
5,0	150	1.2044.150	3.2044.150
	160	1.2044.160	3.2044.160
	170	1.2044.170	3.2044.170
	180	1.2044.180	3.2044.180
	190	1.2044.190	3.2044.190
	200	1.2044.200	3.2044.200
	210	1.2044.210	3.2044.210
	250	1.2044.250	3.2044.250
	300	1.2044.300	3.2044.300

Wykonanie D
Execution D
Изготовление ДGroty Steinmanna - Grucy
Steinmann - Gruca pins
Гроты Штаймана - Груцы

		Nr katalogowy, Catalogue no., Каталожный №.	
Ø	L [mm]	STAL, Steel, Сталь	TYTAN, Titanium Титан
3,0	80	1.2041.080	3.2041.080
	90	1.2041.090	3.2041.090
	100	1.2041.100	3.2041.100
	110	1.2041.110	3.2041.110
	120	1.2041.120	3.2041.120
	170	1.2041.170	3.2041.170
4,0	200	1.2041.200	3.2041.200
	80	1.2040.080	3.2040.080
	90	1.2040.090	3.2040.090
	100	1.2040.100	3.2040.100
	110	1.2040.110	3.2040.110
	120	1.2040.120	3.2040.120
	130	1.2040.130	3.2040.130
	140	1.2040.140	3.2040.140
4,5	170	1.2040.170	3.2040.170
	190	1.2040.190	3.2040.190
	210	1.2040.210	3.2040.210
	80	1.1778.080	3.1778.080
	90	1.1778.090	3.1778.090
	100	1.1778.100	3.1778.100
	140	1.1778.140	3.1778.140
	170	1.1778.170	3.1778.170
	190	1.1778.190	3.1778.190
	210	1.1778.210	3.1778.210

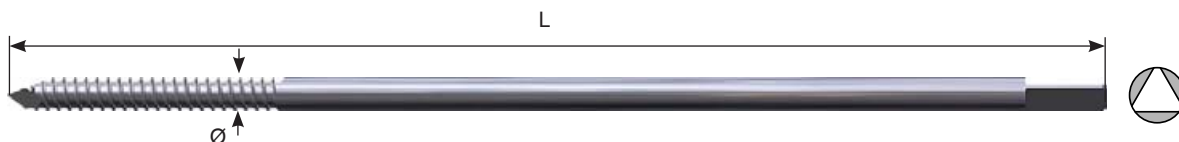
Wykonanie C
Version C
Изготовление ЦWykonanie B
Execution B
Изготовление Б

Nr katalogowy, Catalogue no., Каталожный №		Ø [mm]	L [mm]	Nr katalogowy, Catalogue no., Каталожный №	
STAL, Steel, Сталь	TYTAN, Titanium, Титан			STAL, Steel, Сталь	TYTAN, Titanium, Титан
1.2048.080	3.2048.080	4,0	80	1.2045.080	3.2045.080
1.2048.090	3.2048.090		90	1.2045.090	3.2045.090
1.2048.100	3.2048.100		100	1.2045.100	3.2045.100
1.2048.110	3.2048.110		110	1.2045.110	3.2045.110
1.2048.120	3.2048.120		120	1.2045.120	3.2045.120
1.2048.130	3.2048.130		130	1.2045.130	3.2045.130
1.2048.140	3.2048.140		140	1.2045.140	3.2045.140
1.2048.150	3.2048.150		150	1.2045.150	3.2045.150
1.2048.160	3.2048.160		160	1.2045.160	3.2045.160
1.2048.170	3.2048.170		170	1.2045.170	3.2045.170
1.2048.180	3.2048.180		180	1.2045.180	3.2045.180
1.2048.190	3.2048.190		190	1.2045.190	3.2045.190
1.2048.200	3.2048.200		200	1.2045.200	3.2045.200
1.2048.210	3.2048.210		210	1.2045.210	3.2045.210
1.2048.250	3.2048.250		250	1.2045.250	3.2045.250
1.2048.300	3.2048.300		300	1.2045.300	3.2045.300
1.2049.150	3.2049.150	4,5	150	1.2046.150	3.2046.150
1.2049.160	3.2049.160		160	1.2046.160	3.2046.160
1.2049.170	3.2049.170		170	1.2046.170	3.2046.170
1.2049.180	3.2049.180		180	1.2046.180	3.2046.180
1.2049.190	3.2049.190		190	1.2046.190	3.2046.190
1.2049.200	3.2049.200		200	1.2046.200	3.2046.200
1.2049.210	3.2049.210		210	1.2046.210	3.2046.210
1.2049.250	3.2049.250		250	1.2046.250	3.2046.250
1.2049.300	3.2049.300		300	1.2046.300	3.2046.300
1.2050.150	3.2050.150	5,0	150	1.2047.150	3.2047.150
1.2050.160	3.2050.160		160	1.2047.160	3.2047.160
1.2050.170	3.2050.170		170	1.2047.170	3.2047.170
1.2050.180	3.2050.180		180	1.2047.180	3.2047.180
1.2050.190	3.2050.190		190	1.2047.190	3.2047.190
1.2050.200	3.2050.200		200	1.2047.200	3.2047.200
1.2050.210	3.2050.210		210	1.2047.210	3.2047.210
1.2050.250	3.2050.250		250	1.2047.250	3.2047.250
1.2050.300	3.2050.300		300	1.2047.300	3.2047.300

Groty Steinmanna z gwintem centralnym
Steinmann pins with central tapping
Гроты Штаймана с центральной резьбой

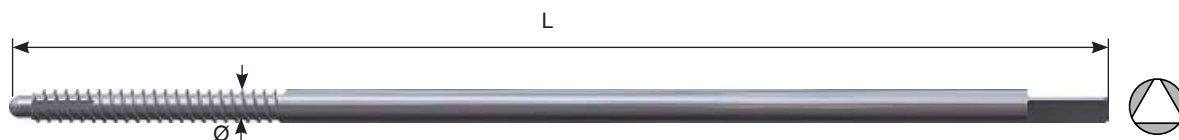
L [mm]	Ø [mm]							
	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0
	STAL, Steel, Сталь / Nr katalogowy, Catalogue no., Каталожный №							
150	1.1770.150	1.1771.150						
175	1.1770.175	1.1771.175						
200	1.1770.200	1.1771.200	1.1772.200	1.1773.200	1.1774.200	1.1775.200	1.1776.200	1.1777.200
220	1.1770.220	1.1771.220	1.1772.220	1.1773.220	1.1774.220	1.1775.220	1.1776.220	1.1777.220
250			1.1772.250	1.1773.250	1.1774.250	1.1775.250	1.1776.250	1.1777.250
280			1.1772.280	1.1773.280	1.1774.280	1.1775.280	1.1776.280	1.1777.280

Wykonanie A
 Version A
 Изготовление А



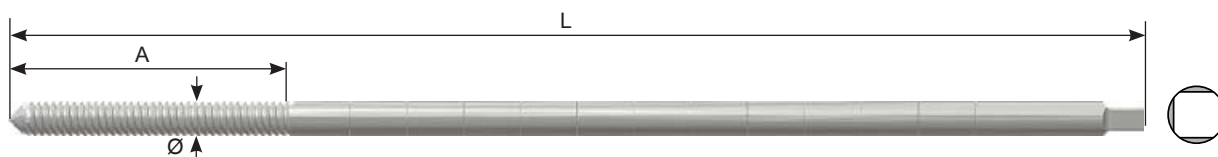
L [mm]	Ø [mm]						
	2,5	3,0	4,0	4,5	5,0	6,0	7,0
	wierćto, drill, сверло Ø [mm]						
	1,8	2,0	3,2	3,5	4,0	4,7	5,5
Nr katalogowy, Catalogue no., Каталогный №							
40	1.1800.040	-	-	-	-	-	-
60	1.1800.060	1.1801.060	-	-	-	-	-
80	1.1800.080	1.1801.080	1.1802.080	1.1803.080	1.1804.080	-	-
100	1.1800.100	1.1801.100	1.1802.100	1.1803.100	1.1804.100	-	-
120	1.1800.120	1.1801.120	1.1802.120	1.1803.120	1.1804.120	1.1806.120	1.1808.120
130	1.1800.130	1.1801.130	1.1802.130	1.1803.130	-	-	-
150	1.1800.150	1.1801.150	1.1802.150	1.1803.150	1.1804.150	1.1806.150	1.1808.150
180	-	-	1.1802.180	1.1803.180	1.1804.180	1.1806.180	1.1808.180
200	-	-	-	1.1803.200	1.1804.200	1.1806.200	1.1808.200
250	-	-	-	1.1803.250	1.1804.250	1.1806.250	1.1808.250

Wykonanie B
 Execution B
 Изготовление Б



L [mm]	Ø [mm]						
	2,5	3,0	4,0	4,5	5,0	6,0	7,0
	wierćto, drill, сверло Ø [mm]						
	1,8	2,0	3,2	3,5	4,0	4,7	5,5
Nr katalogowy, Catalogue no., Каталогный №							
40	1.1810.040	-	-	-	-	-	-
60	1.1810.060	1.1811.060	-	-	-	-	-
80	-	1.1811.080	1.1812.080	1.1813.080	1.1814.080	-	-
100	-	1.1811.100	1.1812.100	1.1813.100	1.1814.100	-	-
120	-	1.1811.120	1.1812.120	1.1813.120	1.1814.120	1.1816.120	1.1818.120
130	-	-	1.1812.130	1.1813.130	-	-	-
150	-	-	1.1812.150	1.1813.150	1.1814.150	1.1816.150	1.1818.150
180	-	-	1.1812.180	1.1813.180	1.1814.180	1.1816.180	1.1818.180
200	-	-	-	-	1.1814.200	1.1816.200	1.1818.200
250	-	-	-	-	1.1814.250	1.1816.250	1.1818.250

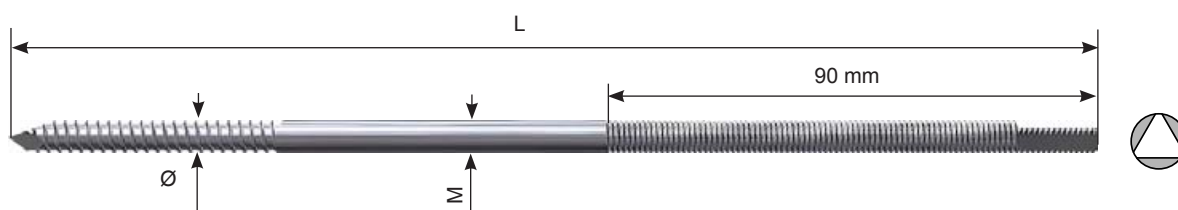
Grotowkręty Schanz'a samowierzące (do stabilizatora zewnętrznego)
 Self-drilling Schanz'
 Стержни Шанца самосверлящие (для внешнего стабилизатора)



L [mm]	A [mm]	Ø [mm]				
		3,0	4,0	5,0	6,0	7,0
60	25	1.1793.060	-	-	-	-
80	30	1.1793.080	1.1794.080	-	-	-
100	35	1.1793.100	1.1794.100	1.1795.100	1.1796.100	1.1797.100
120	40	1.1793.120	1.1794.120	1.1795.120	1.1796.120	1.1797.120
150	45	1.1793.150	1.1794.150	1.1795.150	1.1796.150	1.1797.150
180	50	1.1793.180	1.1794.180	1.1795.180	1.1796.180	1.1797.180
200	50	-	1.1794.200	1.1795.200	1.1796.200	1.1797.200
250	50	-	-	1.1795.250	1.1796.250	1.1797.250



Klucz do grotowkrętów 40.2234.000
Wrench for screws Ø 5,0 6,0 7,0 [mm]
Ключ для винтов 40.4934.000
 Ø 3,0 4,0 [mm]



Wykonanie A
Version A
Изготовление А



Wykonanie B
Execution B
Изготовление Б



L [mm]	Ø [mm]		
	5,0	6,0	7,0
	wierćto, drill, сверло Ø [mm]		
	4,0	4,7	5,5
150	1.1805.150	-	-
180	-	1.1807.180	1.1809.180

L [mm]	Ø [mm]		
	5,0	6,0	7,0
	wierćto, drill, сверло Ø [mm]		
	4,0	4,7	5,5
150	1.1815.150	-	-
180	-	1.1817.180	1.1819.180

Nakrętka
Nut
Гайка

Nr katalogowy Catalogue no Каталожный №	M
1.1810.005	M5
1.1810.006	M6
1.1810.007	M7

Tulejka izolacyjna
Insulating sleeve
Втулка изоляционная

Nr katalogowy Catalogue no Каталожный №	Ø [mm]
1.1811.005	5
1.1811.006	6
1.1811.007	7

Material : T
 Material : T
 Материал : Тефлон



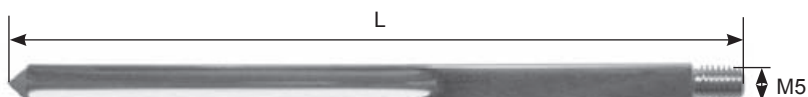
samogwintujący stal
self-tapping steel
самонарезающий сталь

		Grotowkręty stożkowe korowe Cortical conical screws Конусные стержни кортиковые				Grotowkręty stożkowe gąbczaste Cancellous conical screws Конусные стержни спонгиозные			
		Ø mm							
		2,5	3	4,5	6			6	
L [mm]	L ₁ [mm]	Wiertło · Drill · Сверло / Ø mm /				L [mm]	L ₁ [mm]	Wiertło · Drill · Сверло / Ø mm /	
		1,8	2	2,8	4			3,5	
60	20		1.1820.020	1.1823.020		60	20		
	25		1.1820.025				25		
	30			1.1823.030			30		
80	20	1.1842.020	1.1821.020			80	20		
	25	1.1842.025	1.1821.025				25		
	30	1.1842.030	1.1821.030	1.1824.030			30		
	40			1.1824.040			40		
100	25		1.1822.025			100	25		
	30		1.1822.030	1.1825.030	1.1829.030		30	1.1836.030	
	40			1.1825.040	1.1829.040		40	1.1836.040	
120	30			1.1826.030	1.1830.030	120	30		
	40			1.1826.040	1.1830.040		40	1.1837.040	
	50						50	1.1837.050	
	60						60	1.1837.060	
130	30				1.1831.030	130	30		
	40				1.1831.040		40	1.1838.040	
	50				1.1831.050		50	1.1838.050	
	60						60	1.1838.060	
150	40			1.1827.040	1.1832.040	150	40		
	50				1.1832.050		50	1.1839.050	
	60				1.1832.060		60	1.1839.060	
180	40				1.1833.040	180	40		
	50				1.1833.050		50		
	60				1.1833.060		60		
	80						80	1.1840.080	
	90						90	1.1840.090	
	100						100	1.1840.100	
200	50				1.1834.050	200	50		
	60				1.1834.060		60		
	80						80	1.1841.080	
	90						90	1.1841.090	
	100						100	1.1841.100	
250	50				1.1835.050	250	50		
	60				1.1835.060		60		

L [mm]	Nr katalogowy, Catalogue no. Каталожный №
	STAL, Steel, Сталь
70	1.1850.070
80	1.1850.080
90	1.1850.090
100	1.1850.100
110	1.1850.110
120	1.1850.120
130	1.1850.130
140	1.1850.140

Gwóźdź Nystrom-Szulc
Nystrom-Szulc nail
Гвоздь Nystrom-Szulc

stal
steel
сталь



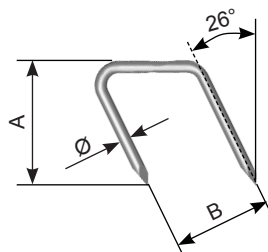
Drut stomatologiczny
Wire for stomatology
Стоматологическая проволока

Ø [mm]	Nr katalogowy Catalogue no. Каталожный №
	Stal, Steel, Сталь
0,4	1.2037.004
0,5	1.2037.005
0,6	1.2037.006
0,7	1.2037.007
0,8	1.2037.008
0,9	1.2037.009
1,0	1.2037.010
1,2	1.2037.012
1,5	1.2037.015

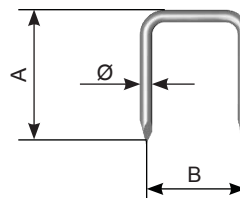
Długość: 10 [m]
Length: 10 [m]
Длина: 10 [m]

**Drut kostny do cerklarzu**
Bone wire for cerclage
Проволока церкляжная

Ø [mm]	Nr katalogowy, Catalogue no., Каталожный №	
	Stal, Steel, Сталь	Tytan, Titanium, Титан
0,2	1.2035.002	
0,3	1.2035.003	
0,4	1.2035.004	
0,5	1.2035.005	
0,6	1.2035.006	
0,7	1.2035.007	3.2035.007
0,8	1.2035.008	3.2035.008
1,0	1.2035.010	3.2035.010
1,2	1.2035.012	3.2035.012
1,5	1.2035.015	
2,0	1.2035.020	

Klamra kostna ukośna
Oblique bone staple
Скобка для фиксации отломков наклонная

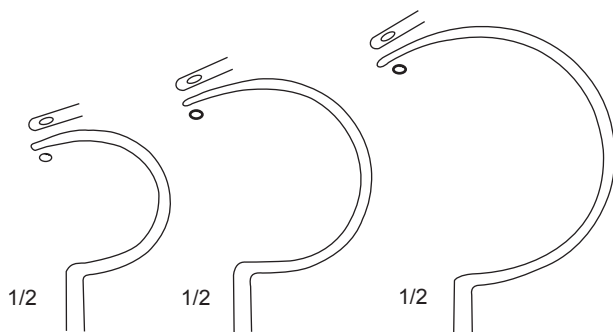
			Nr katalogowy, Catalogue no., № по кат.
Ø [mm]	A [mm]	B [mm]	Stal, Steel, Сталь
1,0	11	8	1.2319.008
		10	1.2319.010

Klamra kostna prosta
Straight bone staple
Скобка для фиксации отломков прямая

			Nr katalogowy, Catalogue no., № по кат.
Ø [mm]	A [mm]	B [mm]	Stal, Steel, Сталь
1,0	11	8	1.2300.008
		10	1.2300.010



Demel



275[mm]
10 3/4"
40.3168

285[mm]
11 1/4"
40.3169

305[mm]
12"
40.3170



Demel

240[mm]
9 1/2"
40.3171

270[mm]
10 3/4"
40.3172

190[mm]
7 1/2"
40.0434

1/2



Przyrząd do zaciągania drutu
z pomiarem siły naciągu
Tensioning instrument with measuring
of tensioning force
Прибор для затяжки проволоки
с измерителем силы натяжения

Ø max 1,2

Ø max 1,2

Ø max 1,2



220[mm]
8 3/4"
40.0433

1/2

Przyrząd do zaciągania
drutu Ø max 1 [mm]
Wire tightener Ø max 1 [mm]
Прибор для затяжки
проволоки Ø max 1 [mm]

**40.3180**

15 [cm]

Utwardzane ostrza
Hardened edges
Отвержденные лезвияmax Ø 2 mm
drut miękki
soft wire
мягкая проволокаmax Ø 1,5 mm
drut twardy
hard wire
твердая проволока**40.3175**

48 [cm]

max Ø 6,0 [mm]
do cięcia gwoździ
nail cutting
для стержней**40.3176**

23 [cm]

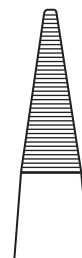
Utwardzane ostrza
Hardened edges
Отвержденные лезвияmax Ø 3,0 [mm]
drut miękki,
soft wire,
мягкая проволокаmax Ø 2,2 [mm]
soft twardy
hard wire
твердая проволока



40.3185
17 [cm]



40.3186
17 [cm]



40.4443
19 [cm]



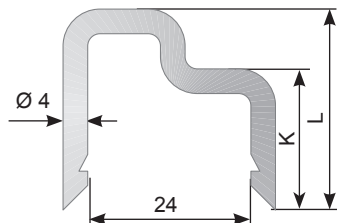
ostre
sharp
острые

40.4444
14 [cm]

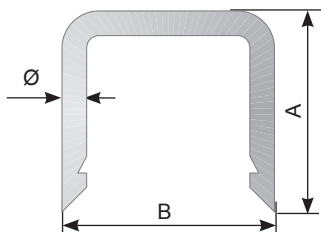


tępe
blunt
тупые

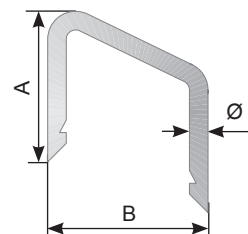
40.4445
14 [cm]

**Klamry
Staples
Скобы**

L [mm]	K [mm]	Nr katalogowy Catalogue no. Каталожный № Stal, Steel, Сталь
34	19	1.2309.019
	24	1.2309.024
	28	1.2309.028
45	32	1.2310.032
	36	1.2310.036
	40	1.2310.040

**Klamry proste
Straight staples
Прямые скобы**

Ø [mm]	A	B	Nr katalogowy Catalogue no. Каталожный № Stal, Steel, Сталь
3,2	25	20	1.2301.020
		25	1.2301.025
		30	1.2301.030
		35	1.2301.035
		40	1.2301.040
		40	1.2302.020
	30	20	1.2302.020
		25	1.2302.025
		30	1.2302.030
		35	1.2302.035
2,5	15	20	1.2303.020
		25	1.2303.025
		30	1.2303.030
		30	1.2304.020
	20	20	1.2304.025
		25	1.2304.025
		30	1.2304.030
		30	1.2304.030

**Klamry ukośne
Skew staples
Косые скобы**

Ø [mm]	A	B	Nr katalogowy Catalogue no. Каталожный № Stal, Steel, Сталь
3,2	25	20	1.2305.020
		25	1.2305.025
		30	1.2305.030
		35	1.2305.035
		40	1.2305.040
		40	1.2306.020
	30	20	1.2306.020
		25	1.2306.025
		30	1.2306.030
		35	1.2306.035
2,5	15	20	1.2307.020
		25	1.2307.025
		30	1.2307.030
	20	20	1.2308.020
		25	1.2308.025
		30	1.2308.030

Instrumentarium do klamer
Instruments for staples
Инструменты для скоб

40.1094

Nr katalogowy
Catalogue no.
Каталожный №

40.1095

40.1096

40.0279

40.1097

40.3596

Chwytnik, Impactor, Импактор

Pobijak, Mallet, Пробойник

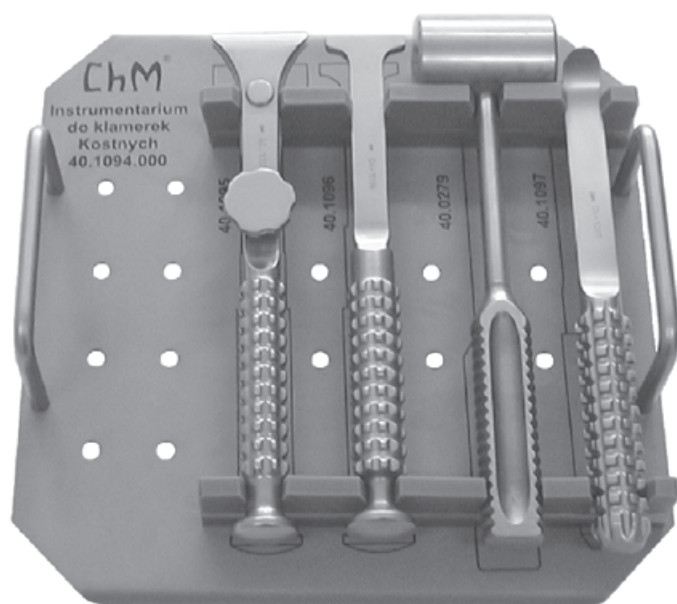
Młotek, Hammer, Молоток

Podważka, Staple extractor, Злеватор

Statyw do instrumentarium

Stand for instruments

Штатив для инструментов



Nr katalogowy, Catalogue no., Каталожный No.	Strona Page Страна	Nr katalogowy, Catalogue no., Каталожный No.	Strona Page Страна	Nr katalogowy, Catalogue no., Каталожный No.	Strona Page Страна	Nr katalogowy, Catalogue no., Каталожный No.	Strona Page Страна
1.1760 - 05.2		1.1853 - 05.8		1.2244 - 05.7		3.2052 - 05.2	
1.1761 - 05.2		1.1854 - 05.8		1.2245 - 05.7		3.2053 - 05.2	
1.1762 - 05.2		1.1855 - 05.8		1.2246 - 05.7		3.2054 - 05.2	
1.1763 - 05.2		1.1856 - 05.8		1.2247 - 05.7		3.2055 - 05.2	
1.1764 - 05.2		1.1857 - 05.8		1.2248 - 05.7		3.2223 - 05.2	
1.1765 - 05.2		1.1858 - 05.8		1.2249 - 05.7		3.2420 - 05.6	
1.1766 - 05.2		1.1859 - 05.8		1.2301 - 05.18		3.2421 - 05.6	
1.1770 - 05.10		1.1860 - 05.8		1.2302 - 05.18		3.2422 - 05.6	
1.1771 - 05.10		1.1871 - 05.9		1.2303 - 05.18		3.2423 - 05.6	
1.1772 - 05.10		1.2001 - 05.7		1.2305 - 05.18		3.2424 - 05.6	
1.1773 - 05.10		1.2002 - 05.7		1.2306 - 05.18		3.2425 - 05.6	
1.1774 - 05.10		1.2003 - 05.7		1.2307 - 05.18		3.2426 - 05.6	
1.1775 - 05.10		1.2004 - 05.7		1.2309 - 05.18		3.2427 - 05.6	
1.1776 - 05.10		1.2005 - 05.7		1.2420 - 05.6		40.0015 - 05.3, 05.5	
1.1777 - 05.10		1.2006 - 05.7		1.2421 - 05.6		40.0279 - 05.18	
1.1778 - 05.9		1.2007 - 05.7		1.2422 - 05.6		40.0433 - 05.15	
1.1793 - 05.12		1.2008 - 05.7		1.2423 - 05.6		40.0434 - 05.15	
1.1794 - 05.12		1.2009 - 05.7		1.2424 - 05.6		40.0520 - 05.5	
1.1795 - 05.12		1.2010 - 05.7		1.2425 - 05.6		40.0521 - 05.5	
1.1796 - 05.12		1.2011 - 05.7		1.2426 - 05.6		40.0522 - 05.5	
1.1797 - 05.12		1.2012 - 05.7		1.2427 - 05.6		40.0530 - 05.5	
1.1800 - 05.11		1.2013 - 05.7		1.2551 - 05.8		40.0533 - 05.5	
1.1801 - 05.11		1.2014 - 05.7		1.2552 - 05.8		40.0534 - 05.5	
1.1802 - 05.11		1.2015 - 05.7		1.2553 - 05.8		40.0535 - 05.5	
1.1803 - 05.11		1.2016 - 05.7		1.2554 - 05.8		40.0536 - 05.5	
1.1804 - 05.11		1.2017 - 05.7		1.2555 - 05.8		40.0537 - 05.5	
1.1805 - 05.12		1.2018 - 05.7		1.2556 - 05.8		40.0572 - 05.5	
1.1806 - 05.11		1.2019 - 05.7		1.2557 - 05.8		40.0573 - 05.5	
1.1807 - 05.12		1.2020 - 05.7		1.2558 - 05.8		40.0575 - 05.5	
1.1808 - 05.11		1.2021 - 05.7		1.2559 - 05.8		40.0618 - 05.6	
1.1809 - 05.12		1.2022 - 05.7		1.2560 - 05.8		40.0989 - 05.3, 05.5	
1.1810 - 05., 05.12		1.2023 - 05.7		1.2561 - 05.8		40.1051 - 05.3	
1.1811 - 05.11, 05.12		1.2026 - 05.9		1.2562 - 05.8		40.1052 - 05.3	
1.1812 - 05.11		1.2027 - 05.9		1.2563 - 05.8		40.1053 - 05.3	
1.1813 - 05.11		1.2028 - 05.7		3.1760 - 05.2		40.1054 - 05.3	
1.1814 - 05.11		1.2029 - 05.7		3.1761 - 05.2		40.1055 - 05.3	
1.1815 - 05.12		1.2030 - 05.7		3.1762 - 05.2		40.1056 - 05.3	
1.1816 - 05.11		1.2031 - 05.7		3.1763 - 05.2		40.1057 - 05.3	
1.1817 - 05.12		1.2032 - 05.7		3.1764 - 05.2		40.1058 - 05.3	
1.1818 - 05.11		1.2033 - 05.7		3.1765 - 05.2		40.1059 - 05.3	
1.1819 - 05.12		1.2035 - 05.14		3.1766 - 05.2		40.1060 - 05.3	
1.1820 - 05.13		1.2037 - 05.14		3.1778 - 05.9		40.1094 - 05.18	
1.1821 - 05.13		1.2038 - 05.14		3.1871 - 05.9		40.1095 - 05.18	
1.1822 - 05.13		1.2039 - 05.14		3.2004 - 05.7		40.1096 - 05.18	
1.1823 - 05.13		1.2040 - 05.9		3.2005 - 05.7		40.1097 - 05.18	
1.1824 - 05.13		1.2041 - 05.9		3.2006 - 05.7		40.1698 - 05.6	
1.1825 - 05.13		1.2042 - 05.9		3.2007 - 05.7		40.2234 - 05.12	
1.1826 - 05.13		1.2043 - 05.9		3.2014 - 05.7		40.3168 - 05.15	
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1.1829 - 05.13		1.2045 - 05.10		3.2016 - 05.7		40.3170 - 05.15	
1.1830 - 05.13		1.2046 - 05.10		3.2017 - 05.7		40.3171 - 05.15	
1.1831 - 05.13		1.2048 - 05.10		3.2038 - 05.14		40.3172 - 05.15	
1.1832 - 05.13		1.2049 - 05.10		3.2039 - 05.14		40.3175 - 05.16	
1.1833 - 05.13		1.2050 - 05.10		3.2040 - 05.9		40.3176 - 05.16	
1.1834 - 05.13		1.2051 - 05.2		3.2041 - 05.9		40.3180 - 05.16	
1.1835 - 05.13		1.2052 - 05.2		3.2042 - 05.9		40.3185 - 05.17	
1.1836.030 - 05.13		1.2053 - 05.2		3.2043 - 05.9		40.3186 - 05.17	
1.1837 - 05.13		1.2054 - 05.2		3.2044 - 05.9		40.3581 - 05.3	
1.1838 - 05.13		1.2055 - 05.2		3.2045 - 05.10		40.3591 - 05.5	
1.1839 - 05.13		1.2223 - 05.2		3.2046 - 05.10		40.3596 - 05.18	
1.1841 - 05.13		1.2231 - 05.4		3.2047 - 05.10		40.4443 - 05.17	
1.1842 - 05.13		1.2232 - 05.4		3.2048 - 05.10		40.4444 - 05.17	
1.1850 - 05.13		1.2233 - 05.4		3.2049 - 05.10		40.4445 - 05.17	
1.1851 - 05.8		1.2234 - 05.4		3.2050 - 05.10		40.4934 - 05.12	
1.1852 - 05.8		1.2238 - 05.4		3.2051 - 05.2			

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