

# CHM<sup>®</sup>

GWOŹDZIE, GROTOWKRĘTY  
NAILS, SCREWS  
СТЕРЖНИ, ВИНТЫ



[www.chm.eu](http://www.chm.eu)

## GWOŹDZIE, GROTOWKRĘTY / NAILS, SCREWS / СТЕРЖНИ, ВИНТЫ

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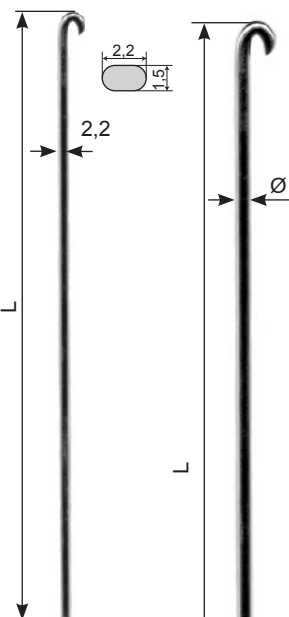
Инструменты для скоб ..... 05.18

# 05

## GWOŹDZIE RUSH'A RUSH NAILS СТЕРЖНИ РАША

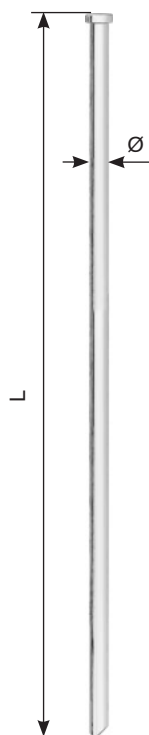


L[mm]	Nr katalogowy, Catalogue no., Каталожный No.	
	STAL, Steel, Сталь	TYTAN, Titanium, Титан
30	1.2223.030	3.2223.030
35	1.2223.035	3.2223.035
40	1.2223.040	3.2223.040
45	1.2223.045	3.2223.045
50	1.2223.050	3.2223.050
55	1.2223.055	3.2223.055
60	1.2223.060	3.2223.060
65	1.2223.065	3.2223.065
70	1.2223.070	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		

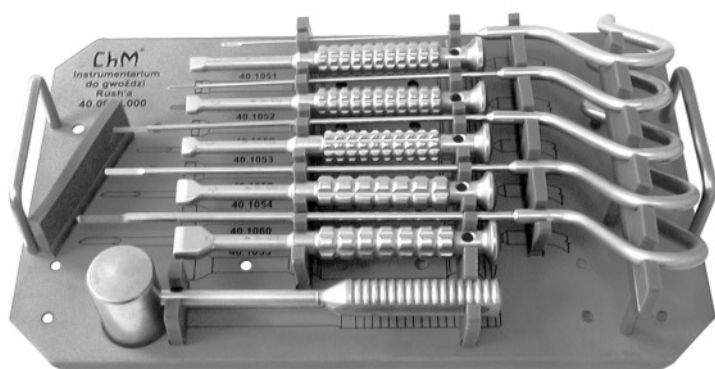


Ø [mm]	L [mm]	Nr katalogowy, Catalogue no., Каталожный No.	
		STAL, Steel, Сталь	TYTAN, Titanium, Титан
2,4	25	1.2051.025	3.2051.025
	30	1.2051.030	3.2051.030
	35	1.2051.035	3.2051.035
	40	1.2051.040	3.2051.040
	45	1.2051.045	3.2051.045
	50	1.2051.050	3.2051.050
	55	1.2051.055	3.2051.055
	60	1.2051.060	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
6,4	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

05

INSTRUMENTARIUM DO GWOŹDZI RUSH'A  
RUSH NAILS INSTRUMENT SET  
ИНСТРУМЕНТЫ ДЛЯ СТЕРЖНЕЙ РАША  
40.0989

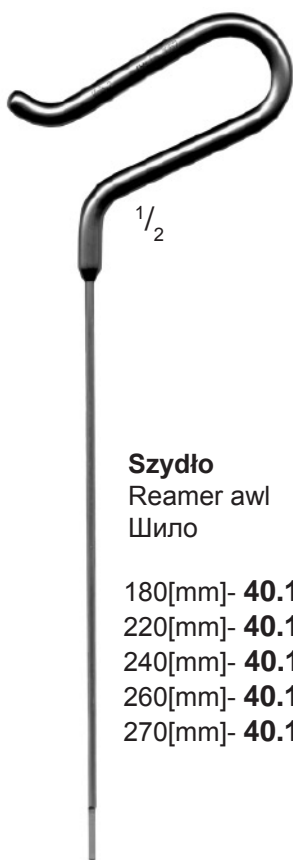
СНМ®



**Statyw**

Stand **40.3581**

Ящик-штатив



**Szydło**

Reamer awl

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**

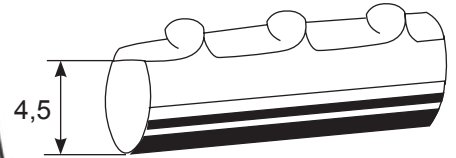
Молоток

# 05

GWOŹDZIE ENDERA  
ENDER NAILS  
СТЕРЖНИ ЭНДЕРА



Modyfikowany  
Modified  
Модифицированный



		Nr katalogowy, Catalogue no., Каталожный No.	
Ø [mm]	L [mm]	STAL, Steel, Сталь	
3,5	220	1.2231.220	Nr katalogowy, Catalogue no., Каталожный No.
	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	
	4,0	370	
380		1.2231.380	
390		1.2231.390	
400		1.2231.400	
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		
410	1.2232.410		
420	1.2232.420		
430	1.2232.430		
440	1.2232.440		
450	1.2232.450		
4,5	220	1.2233.220	Nr katalogowy, Catalogue no., Каталожный No.
	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	
	4,8	370	
380		1.2233.380	
390		1.2233.390	
400		1.2233.400	
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

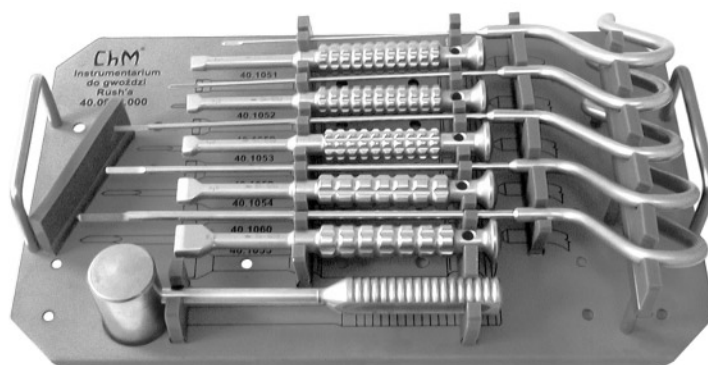
05

INSTRUMENTARIUM DO GWOŹDZI ENDERA  
 ENDER NAILS INSTRUMENT SET  
 ИНСТРУМЕНТЫ ДЛЯ СТЕРЖНЕЙ ЭНДЕРА  
 40.0530



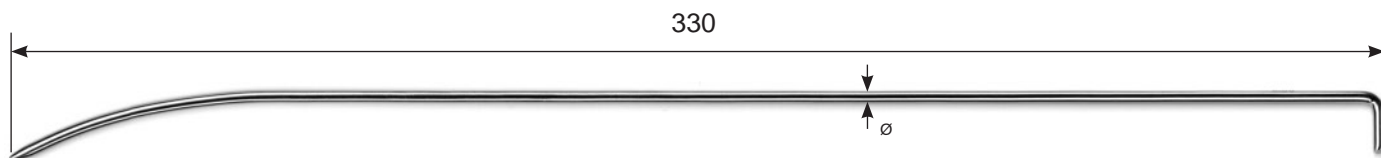
Lp.	Nr katalogowy Catalogue no. Каталожный №	Nazwa	Name	Название	Szt.
1.	40.0533	Zginacz	Bender	Изгибатель стержней	2
2.	40.0534	Popychacz	Driver	Толкатель	1
3.	40.0535	Ustalacz	Seating instruments	Фиксатор	1
4.	40.0536	Wypychacz	Extractor	Выталкиватель	1
5.	40.0537	Prowadnik	Impactor - Extractor	Направитель	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

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

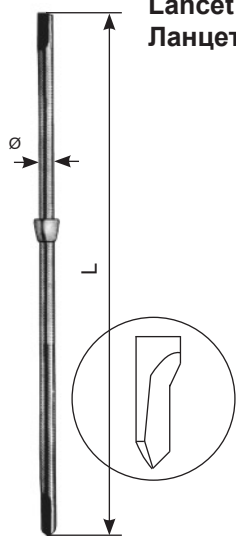


Zacisk  
 Clip  
 Зажим  
**40.1698**

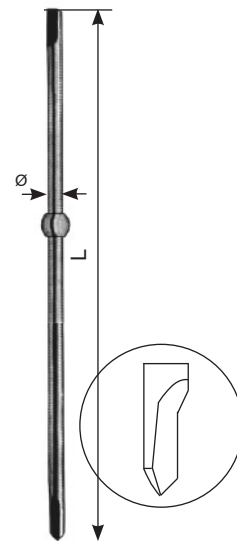
## Instrumentarium

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**

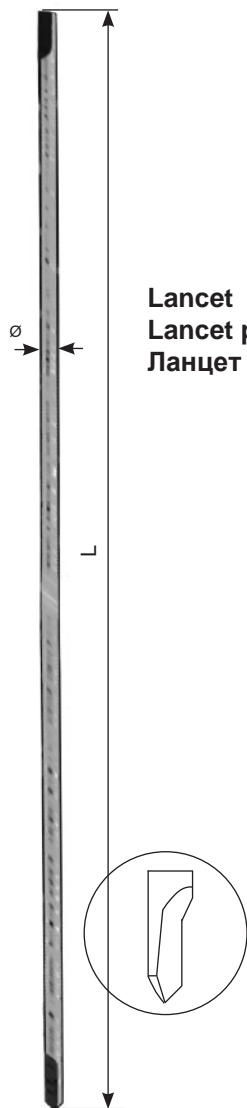


**Lancet z ogranicznikiem**  
**Lancet point with limiter**  
**Ланцет с ограничителем**

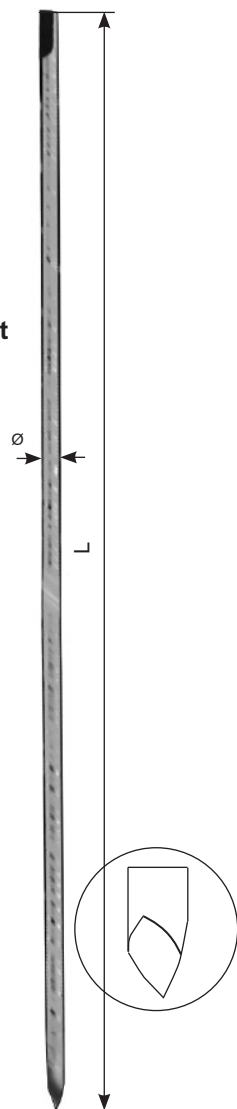


Nr katalogowy Catalogue no. Каталожный Но.			Nr katalogowy Catalogue no. Каталожный Но.		
STAL, Steel, Сталь	Ø [mm]	L [mm]	STAL, Steel, Сталь	Ø [mm]	L [mm]
1.2028.310	1,5	310	1.2244.310	1,5	310
1.2028.380		380	1.2244.380		380
1.2033.310	1,6	310	1.2245.310	1,6	310
1.2033.380		380	1.2245.380		380
1.2029.310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

**Lancet**  
**Lancet point**  
**Ланцет**



**Trójkąt**  
**Trocar point**  
**Троакар**



Nr katalogowy, Catalogue no. Каталожный Но.		Ø	L [mm]	Nr katalogowy, Catalogue no. Каталожный Но.		
STAL, Steel, Сталь	TYTAN, Titanium, Титан			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		
1.2004.150	3.2004.150	1,5	150	1.2014.150	3.2014.150	
1.2004.210			210	1.2014.210		3.2014.210
1.2004.310			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			210	1.2015.210		3.2015.210
1.2005.310			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			210	1.2016.210		3.2016.210
1.2006.310			310	1.2016.310		3.2016.310
1.2006.380	3.2006.380	380	1.2016.380	3.2016.380		
1.2007.150	3.2007.150	2,0	150	1.2017.150	3.2017.150	
1.2007.210			210	1.2017.210		3.2017.210
1.2007.310			310	1.2017.310		3.2017.310
1.2007.380			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		

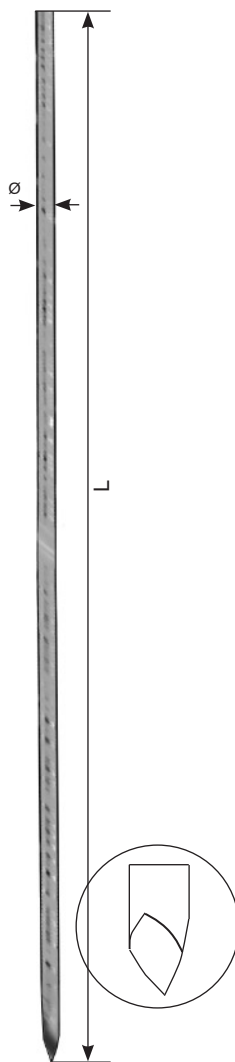
05

GWÓZDŹ KIRSCHNERA  
KIRSCHNER WIRES  
СПИЦА КИРШНЕРА



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	

Trójgranic  
Trocar point  
Троакар

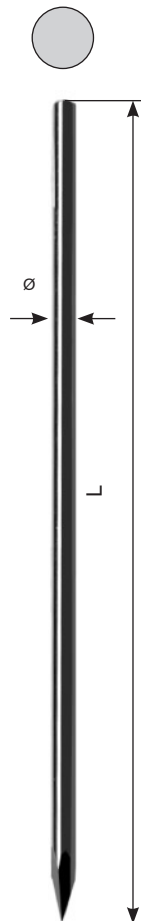


GWÓZDŹ KIRSCHNERA GWINTOWANY KIRSCHNER WIRES WITH TAPPING СПИЦА КИРШНЕРА С РЕЗБОЙ



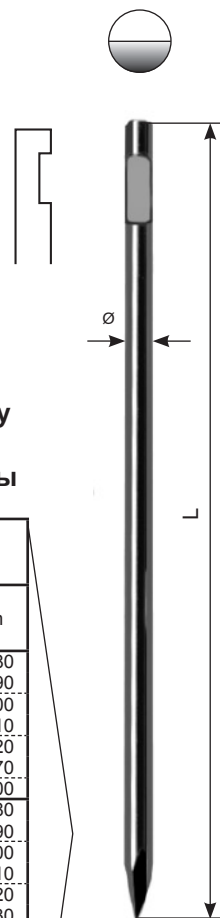
L [mm]	Ø [mm]									
	1,0	1,2	1,4	1,5	1,6	1,8	2,0	2,4	2,5	3,0
	STAL, Steel, Сталь / Nr katalogowy, Catalogue no., Каталожный №									
150	1.1851.150	1.1852.150	1.1853.150	1.1854.150	1.1855.150	1.1856.150	1.1857.150	1.1858.150	1.1859.150	1.1860.150
160	1.1851.160	1.1852.160	1.1853.160	1.1854.160	1.1855.160	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**



Ø	L [mm]	Nr katalogowy, Catalogue No., Каталожный Но.	
		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
280	1.1871.280	3.1871.280	
300	1.1871.300	3.1871.300	
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
	190	1.2042.190	3.2042.190
	200	1.2042.200	3.2042.200
210	1.2042.210	3.2042.210	
250	1.2042.250	3.2042.250	
300	1.2042.300	3.2042.300	
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
5.0	250	1.2043.250	3.2043.250
	300	1.2043.300	3.2043.300
	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 Д**

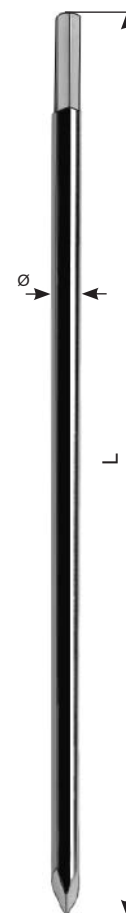
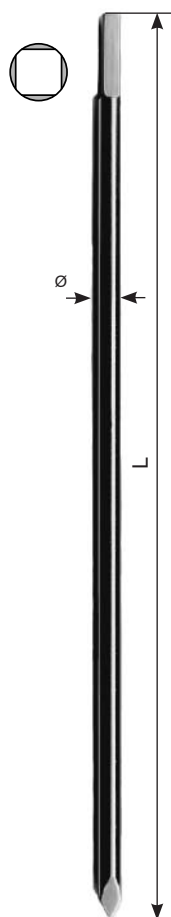


**Groty Steinmanna - Grucy  
Steinmann - Gruca pins  
Гроты Штаймана - Груцы**

Ø	L [mm]	Nr katalogowy, Catalogue no., Каталожный Но.	
		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	

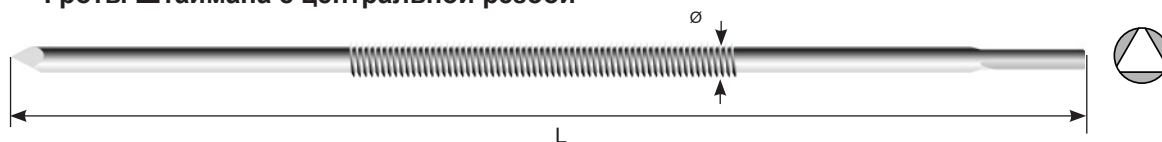
Wykonanie C  
Version C  
Изготовление Ц

Wykonanie B  
Execution B  
Изготовление Б



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

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



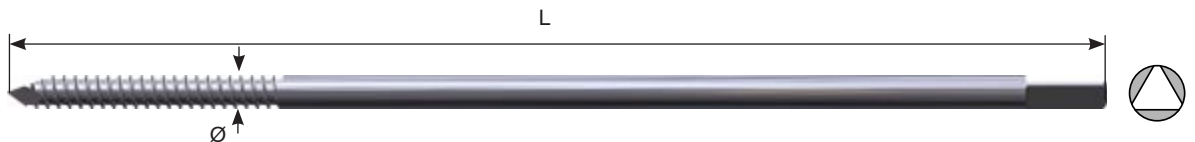
L [mm]	Ø [mm]							
	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0
	STAL, Steel, Сталь / Nr katalogowy, Catalogue no., Каталогный №							
150	1.1770.150	1.1771.150						
175	1.1770.175	1.1771.175						
200	1.1770.200	1.1771.200	1.1772.200	1.1773.200	1.1774.200	1.1775.200	1.1776.200	1.1777.200
220	1.1770.220	1.1771.220	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

# 05

GROTOWKRĘTY SZCHANZ'A SAMOGWINTUJĄCE  
 SCHANZ'S SCREWS SELF-TAPPING  
 СТЕРЖНИ ШАНЦА САМОНАРЕЗАЮЩИЕ



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



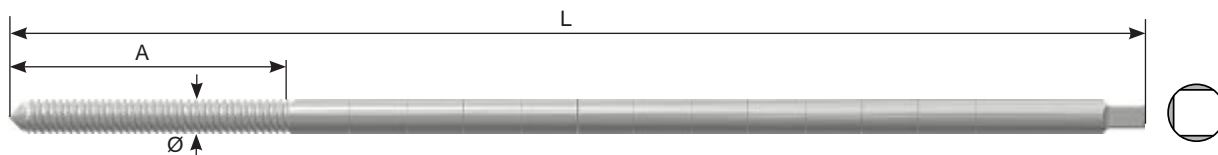
L	Ø [mm]						
	2,5	3,0	4,0	4,5	5,0	6,0	7,0
	wierćto, drill, сверло Ø [mm]						
	1,8	2,0	3,2	3,5	4,0	4,7	5,5
Nr katalogowy, Catalogue no., Каталогный №							
40	-	-	-	-	-	-	-
60	-	1.1811.060	-	-	-	-	-
80	-	1.1811.080	1.1812.080	1.1813.080	1.1814.080	-	-
100	-	1.1811.100	1.1812.100	1.1813.100	1.1814.100	-	-
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

# 05

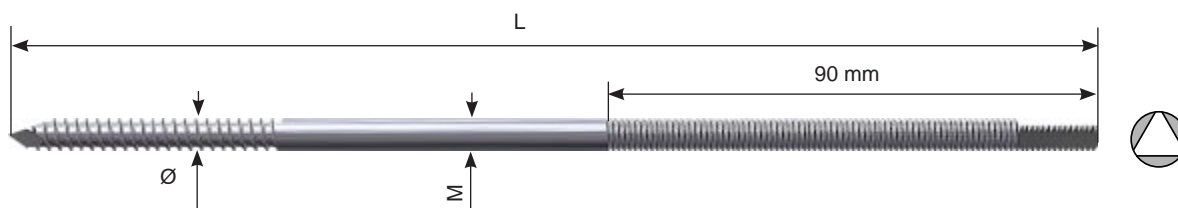
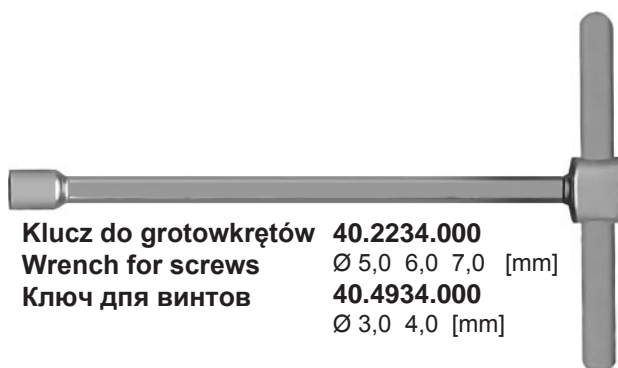
GROTOWKRĘTY SCHANZ'A SAMOGWINTUJĄCE  
 SCHANZ'S SCREWS SELF-TAPPING  
 СТЕРЖНИ ШАНЦА САМОНАРЕЗАЮЩИЕ



Grotowkręty Schanz'a samowierzące (do stabilizatora zewnętrznego)  
 Self-drilling Schanz's screws (for external fixator)  
 Стержни Шанца самосверлящие (для внешнего стабилизатора)



L [mm]	A [mm]	Ø [mm]				
		3,0	4,0	5,0	6,0	7,0
Nr katalogowy, Catalogue no., Каталогный №						
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



**Wykonanie A**  
**Version A**  
**Изготовление А**

**Wykonanie B**  
**Execution B**  
**Изготовление Б**

L [mm]	Ø [mm]		
	4,0	4,7	5,5
wiertło, drill, сверло Ø [mm]			
Nr katalogowy, Catalogue no., Каталогный №			
150	1.1805.150	-	-
180	-	1.1807.180	1.1809.180

L [mm]	Ø [mm]		
	4,0	4,7	5,5
wiertło, drill, сверло Ø [mm]			
Nr katalogowy, Catalogue no., Каталогный №			
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 : Tarflen  
 Material : Tarflen  
 Материал : Тефлон

05

GROTKRĘTY STOŻKOWE  
CONICAL SCREWS  
КОНУСНЫЕ СТЕРЖНИ



samogwintujący    stal  
self-tapping        steel  
самонарезающий    сталь

		Grotowkręty stożkowe korowe Cortical conical screws Конусные стержни кортикавые				Grotowkręty stożkowe gąbczaste Cancellous conical screws Конусные стержни спонгиозные			
		Ø mm							
		2,5	3	4,5	6	6			
L [mm]	L <sub>1</sub> [mm]	Wiertło · Drill · Сверло / Ø mm /		Wiertło · Drill · Сверло / Ø mm /		L [mm]	L <sub>1</sub> [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		



**Drut bez oczka** 2x350[mm]  
**Wire without eye** 2x350[mm]  
**Проволока без очка** 2x350[мм]

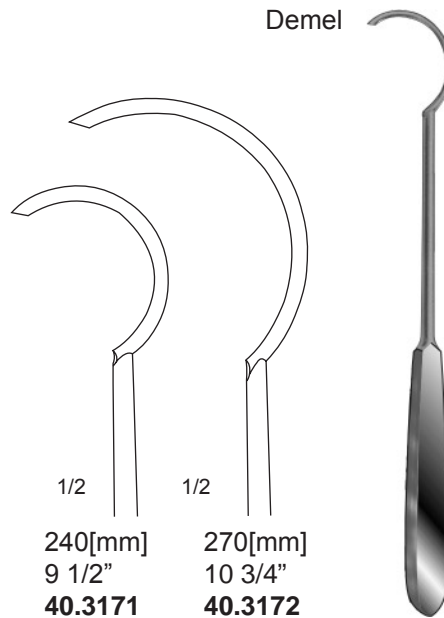
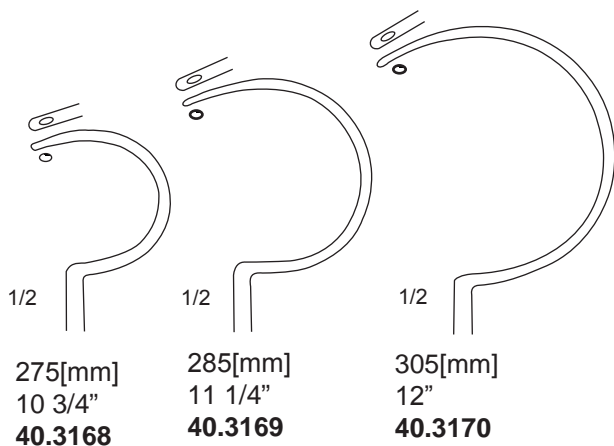
Ø	Nr katalogowy, Catalogue no., Каталожный №		
	Stal, Steel, Сталь	Tytan, Titanium, Титан	
1,0	1.2039.010	3.2039.010	
1,2	1.2039.012	3.2039.012	

**Drut z oczkiem** 2x350[mm]  
**Wire with eye** 2x350[mm]  
**Проволока с очком** 2x350[мм]

Ø	Nr katalogowy, Catalogue no., Каталожный №		
	Stal, Steel, Сталь	Tytan, Titanium, Титан	
1,0	1.2038.010	3.2038.010	
1,2	1.2038.012	3.2038.012	



Demel



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

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



05

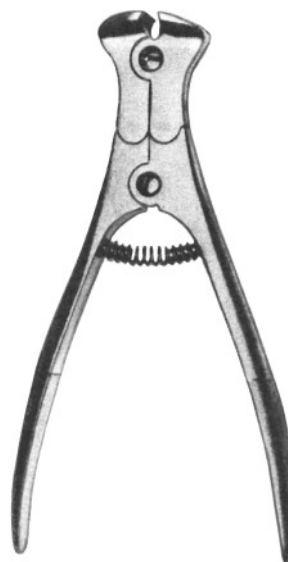
KLESZCZE DO CIĘCIA DRUTU I GWOŹDZI  
WIRE AND NAIL CUTTING FORCEPS  
КЛЕЩИ ДЛЯ ПРОВОЛОКИ  
И СТЕРЖНЕЙ

СНМ®

Utwardzane ostrza  
Hardened edges  
Отвержденные лезвия

Max Ø 2,0 [mm]  
drut miękki,  
soft wire,  
мягкая проволока

max Ø 1,5 [mm]  
drut twardy  
hard wire  
твердая проволока



40.3180  
15 [cm]

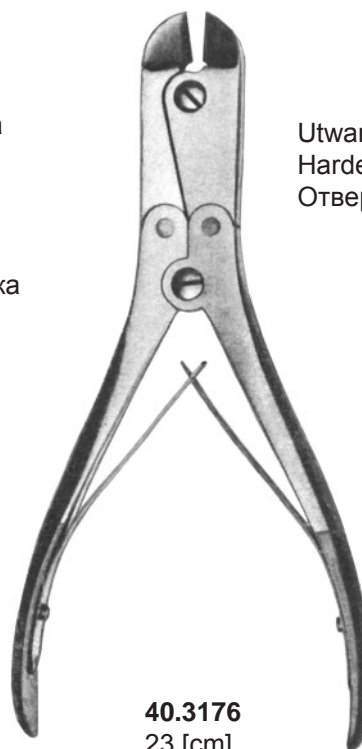
max Ø 6,0 [mm]  
do cięcia gwoździ  
nail cutting  
для стержней



40.3175  
48 [cm]

max Ø 3,0 [mm]  
drut miękki,  
soft wire,  
мягкая проволока

max Ø 2,2 [mm]  
soft twardy  
hard wire  
твердая проволока



40.3176  
23 [cm]

Utwardzane ostrza  
Hardened edges  
Отвержденные лезвия

05

KLESZCZE DO GIĘCIA DRUTU I GWOŹDZI  
WIRE AND NAIL BENDING FORCEPS  
КЛЕЩИ ДЛЯ ВЫГИБАНИЯ ПРОВОЛОКИ

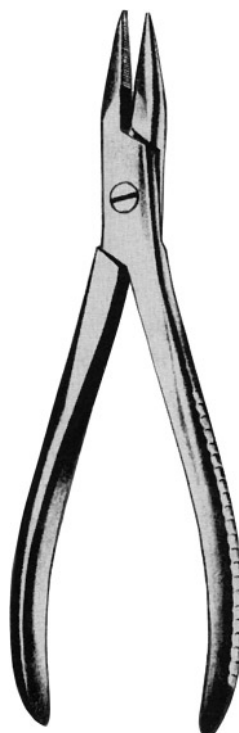
СНМ®



40.3185  
17 [cm]



40.3186  
17 [cm]

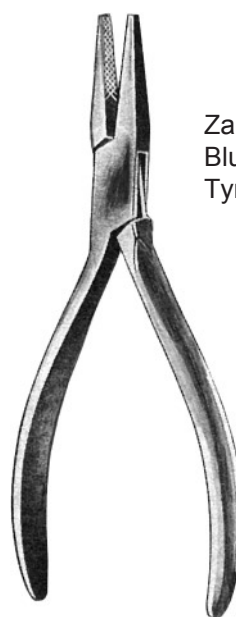


40.4443  
19 [cm]



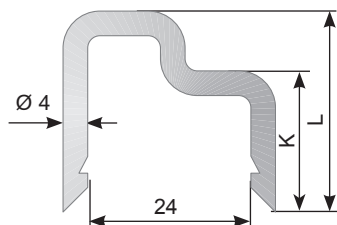
40.4444  
14 [cm]

Zakończone ostro  
Sharp  
Острые

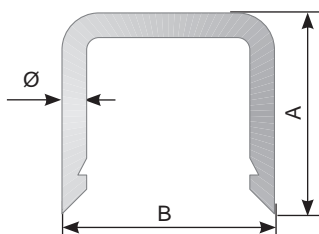


40.4445  
14 [cm]

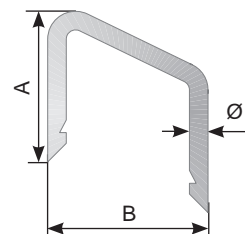
Zakończone tępo  
Blunt  
Тупые

**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**


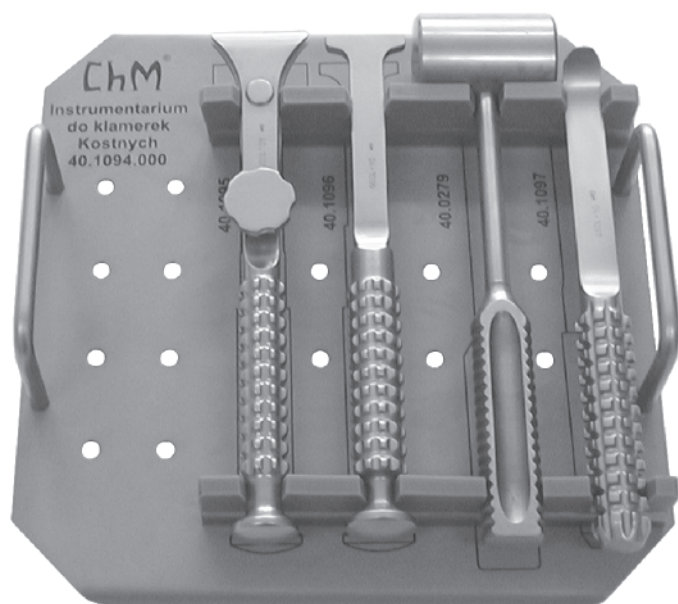
Ø [mm]	A	B	Nr katalogowy Catalogue no. Каталожный №
			Stal, Steel, Сталь
3,2	25	20	1.2301.020
		25	1.2301.025
		30	1.2301.030
		35	1.2301.035
	30	40	1.2301.040
		20	1.2302.020
		25	1.2302.025
		30	1.2302.030
		35	1.2302.035
		40	1.2302.040
2,5	15	20	1.2303.020
		25	1.2303.025
		30	1.2303.030
	20	20	1.2304.020
		25	1.2304.025
		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
	30	40	1.2305.040
		20	1.2306.020
		25	1.2306.025
		30	1.2306.030
		35	1.2306.035
		40	1.2306.040
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**  
**Штатив для инструментов**

Nr katalogowy, Catalogue no., Каталожный Но.	Strona Page Страна	Nr katalogowy, Catalogue no., Каталожный Но.	Strona Page Страна	Nr katalogowy, Catalogue no., Каталожный Но.	Strona Page Страна	Nr katalogowy, Catalogue no., Каталожный Но.	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	
1.1827 - 05.13		1.2044 - 05.9		3.2015 - 05.7		40.3169 - 05.15	
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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