

Legend

Legende / Legenda / Легенда / Legenda



4-sided engraved square bar

Vierkantstab 4-seitig gehämmert / 4-oboustranný ryté čtvereční bar / 4-сторонний выгравированы квадратный бар / прęt kwadratowy 4-stronnie grawerowany



4-sided engraved round bar

Rundstab 4-Kanten gehämmert / 4-oboustranný ryté kulatou tyč / 4-сторонний выгравированы круглый стержень / прęt okrągły 4-stronnie grawerowany



2-sided engraved flat bar

Flachstahl 2-Kanten gehämmert / 2stranný rytý plochý bar / 2-сторонний выгравированный плоский бар / płaskownik 2-stronnie grawerowany



square bar with 2-way groove

Vierkantstab 2x gerillt / tyč s 2-cestného drážkou / стержень с 2-ходовой канавкой / прęt z 2-stronnym rowkiem



cast steel

Stahguss / litá ocel / литая сталь / staliwo



cast iron

Guss / litina / чугуn / żeliwo



galvanized steel

Stahl verzinkt / galvanizovaná ocel / оцинкованная сталь / stal ocynkowana



full sphere

Vollkugel / koule plná / мяч полный / kula pełna



empty sphere with a hole

Hohlkugel mit Öffnung / dutá koule s otvorem / полый шар с отверстием / kula pusta z otworem



empty closed sphere

Hohlkugel geschlossen (ohne Öffnung) / dutá uzavřená koule / полый закрытый шар / kula pusta zamknięta



empty hemisphere

Hohlhalbkugel / dutá polokoule / полое полушарие / półkula pusta

All dimensions in mm /

Alle Maße sind in mm angegeben / Všechny rozměry jsou uvedeny v mm /

Все размеры указаны в мм. / Wszystkie wymiary podane w mm



We reserve the right to make technological changes or deviations from dimensions. Products may differ from those shown in the photos.

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Vyhrazujeme si právo provádět technologické změny nebo odchylky od rozměrů. Produkty se mohou lišit od produktů zobrazených na fotografiích.

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Zastrzega się możliwość zmian technologicznych lub odchyleń od wymiarów. Produkty mogą się różnić od przedstawionych na zdjęciach.

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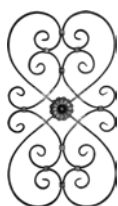
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	[mm]	H	L
C.090.126	12x6	90	60
C.100.126	12x6	100	60
C.110.126	12x6	110	70
C.120.126	12x6	120	75
C.130.126	12x6	130	75
C.150.126	12x6	150	90
C.190.126	12x6	190	105
C.220.126	12x6	220	120
C.300.126	12x6	300	150



	[mm]	H	L
2.155.126	12x6	155	65
2.180.126	12x6	180	70
2.230.126	12x6	230	100
2.260.126	12x6	260	115
2.320.126	12x6	320	130



	[mm]	H	L
S.210.126	12x6	210	80
S.280.126	12x6	280	100





	[mm]	∅
0.100.126	12x6	100
0.110.126	12x6	110
0.120.126	12x6	120
0.140.126	12x6	140

**6.120.126****V.170.126****CN.220.126****H.270.126****E.265.126****E.460.126**

[mm]	12x6	12x6	12x6	12x6	12x6	12x6
H	120	170	220	270	265	460
L	65	100	140	70	70	85





	[mm]	H	L
C.120.12	12x12	120	80
C.130.12	12x12	130	80
C.150.12	12x12	150	90
C.190.12	12x12	190	120
C.220.12	12x12	220	130
C.300.12	12x12	300	170



	[mm]	H	L
2.180.12	12x12	180	80
2.230.12	12x12	230	105
2.260.12	12x12	260	115
2.320.12	12x12	320	130



	[mm]	H	L
S.210.12	12x12	210	80
S.250.12	12x12	250	90
S.440.12	12x12	440	160





	[mm]	∅
0.100.12	12x12	100
0.110.12	12x12	110
0.120.12	12x12	120

**6.120.12****L.100.12****E.450.12**

[mm]	12x12	12x12	12x12
H	120	200	450
L	70	100	90



**KO.12****KO.14****KO.16****KO.20****KO.24**

[mm]	12x12	14x14	16x16	20x20	24x24
H	130	130	145	160	180
L	60	65	65	100	95

**KO.101****KO.121****KO.122****KO.123****KO.124****KO.161**

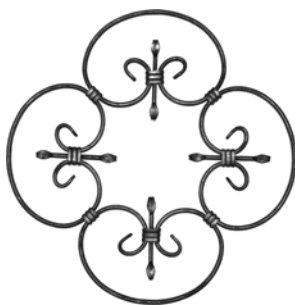
[mm]	6x6	12x12	12x12	12x12	12x12	16x16
H	70	150	190	200	330	210
L	70	70	50	50	63	85

**KO.612****KO.615****KO.616****KO.618**

[mm]	12x12	15x15	16x16	18x18
H	130	150	160	190
L	65	75	85	120



RO.001.25



RO.001.38



RO.004



RO.005

[mm]	12x6	12x6	12x6	12x6
H	245	390	430	430
L	245	390	195	195



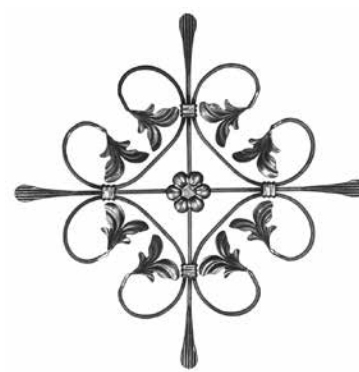
RO.007



RO.007.01

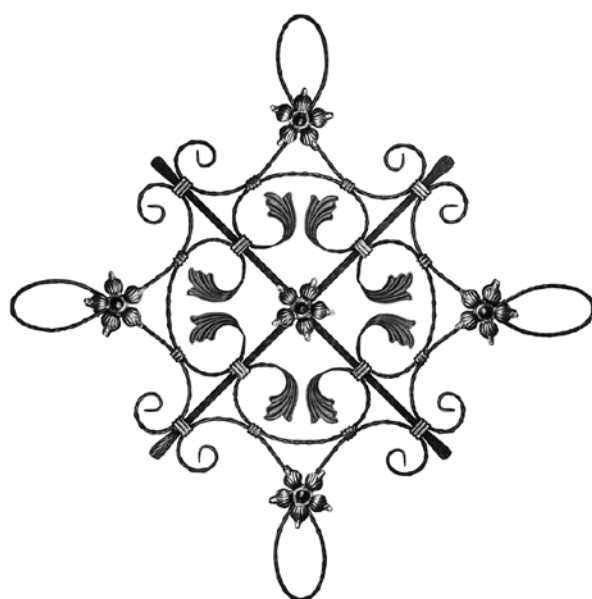


RO.008

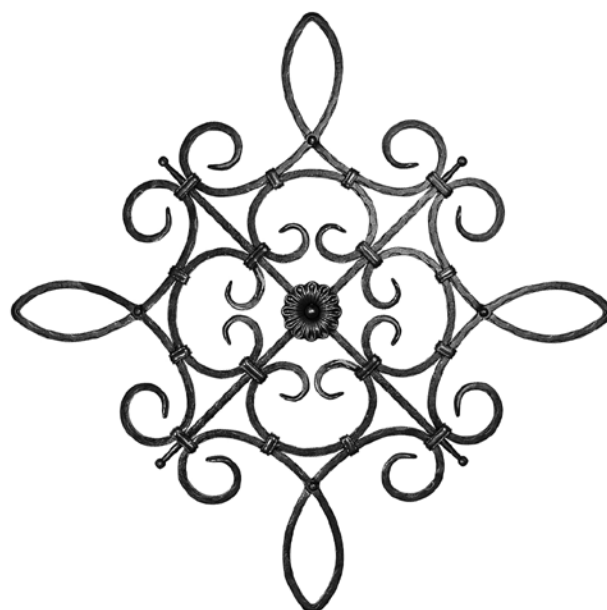


RO.009

[mm]	12x12	12x12	12x6	12x6
H	375	320	330	485
L	300	250	330	485



RO.010



RO.011

[mm]	12x6	12x12
H	880	900
L	880	900



R0.016.01



R0.016.02



R0.016.03

[mm]	12x12	12x12	12x12
H	530	520	430
L	250	330	250



R0.016.07



R0.016.08



R0.016.09

[mm]	12x12	12x12	12x12
H	480	420	525
L	340	470	250



R0.016.14

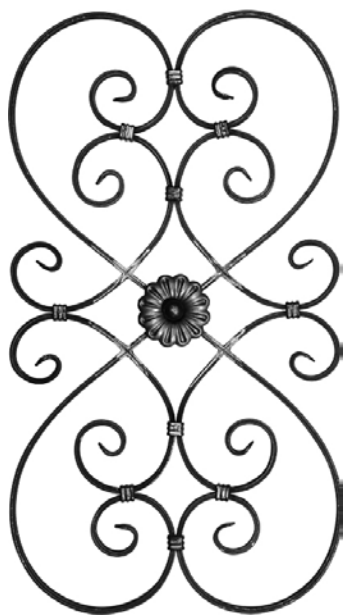


R0.016.15



R0.016.17

[mm]	12x12	12x12	12x12
H	300	350	430
L	260	270	250



RO.017



RO.018

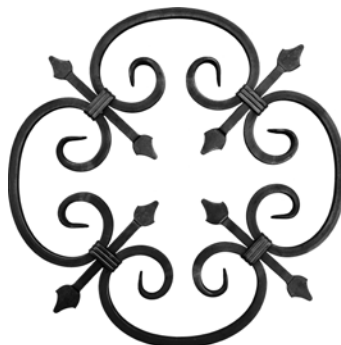


RO.020

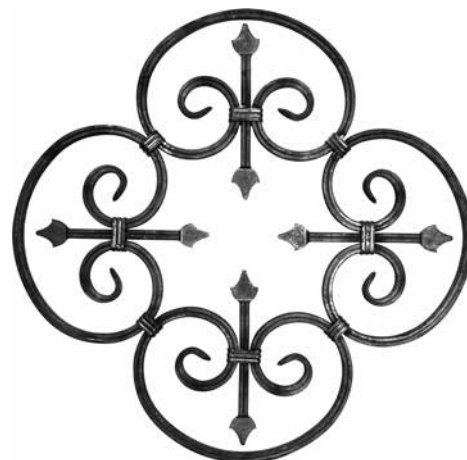
[mm]	16x8	12x12	16x8
H	800	530	480
L	440	420	410



RO.022



RO.024



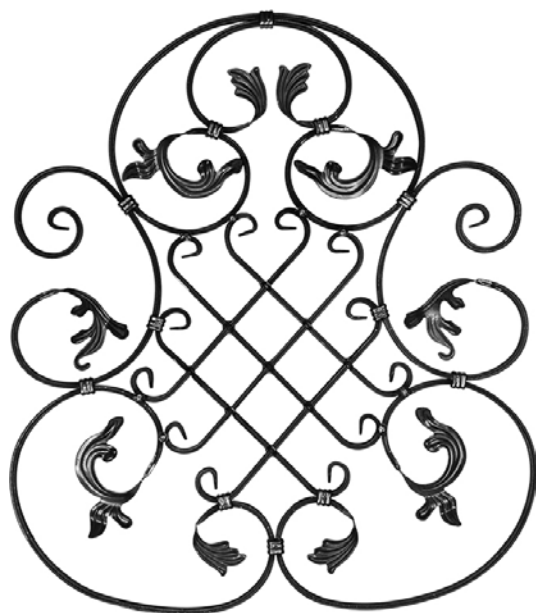
RO.025

[mm]	12x12	12x12	12x12
H	530	450	600
L	600	450	600



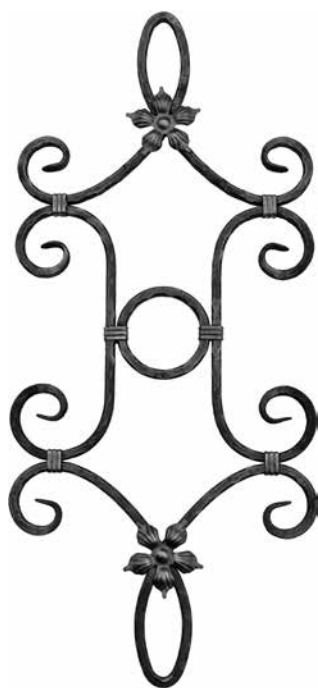


RO.026

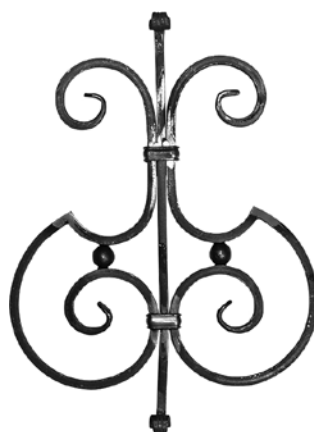


RO.029

[mm]	16x8	16x8
H	590	800
L	510	700



RO.030



RO.032



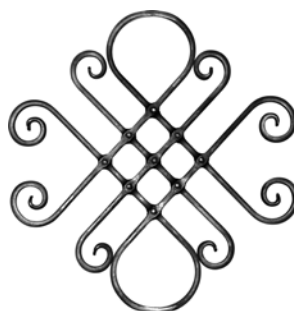
RO.033

[mm]	12x12	12x12	12x12
H	900	560	600
L	385	400	370

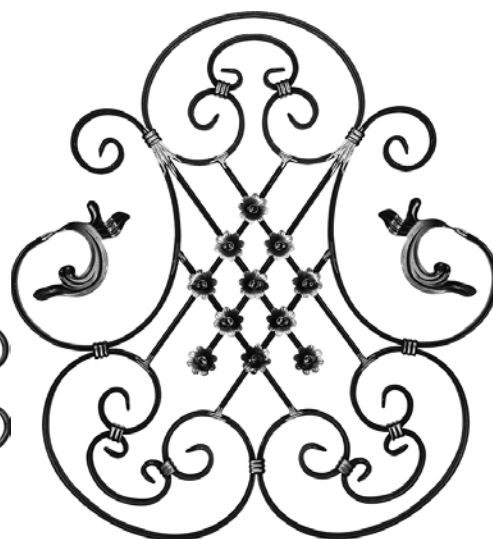




RO.034

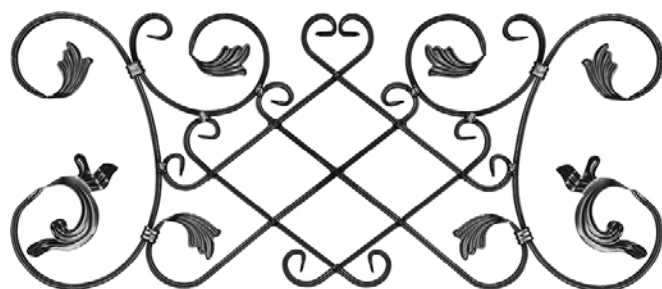


RO.047



RO.049

[mm]	12x12	16x8	16x8
H	510	400	700
L	690	410	650



RO.052



RO.055



RO.056

[mm]	16x8	16x8	16x8
H	370	800	800
L	880	300	300



16 | 03. rosettes and ornaments

Rosetten und Ornamente / rozety a ornamenti / розеты и орнамент / rozety i ornamenti



RO.057



RO.058



RO.059



RO.061

[mm]	16x8	16x8	16x8	12x6
H	800	950	950	330
L	270	180	180	160



RO.067



RO.068

[mm]	12x6	12x6
H	230	250
L	700	700

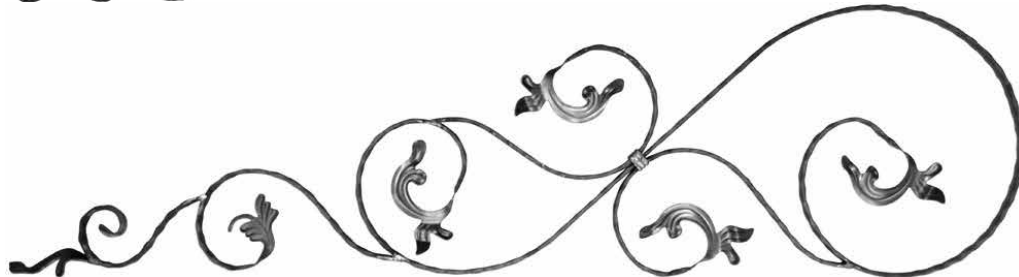
RO.070

[mm]	12x6
H	250
L	1200



RO.071

[mm]	16x8
H	400
L	1510



RO.072

[mm]	16x8
H	400
L	1510



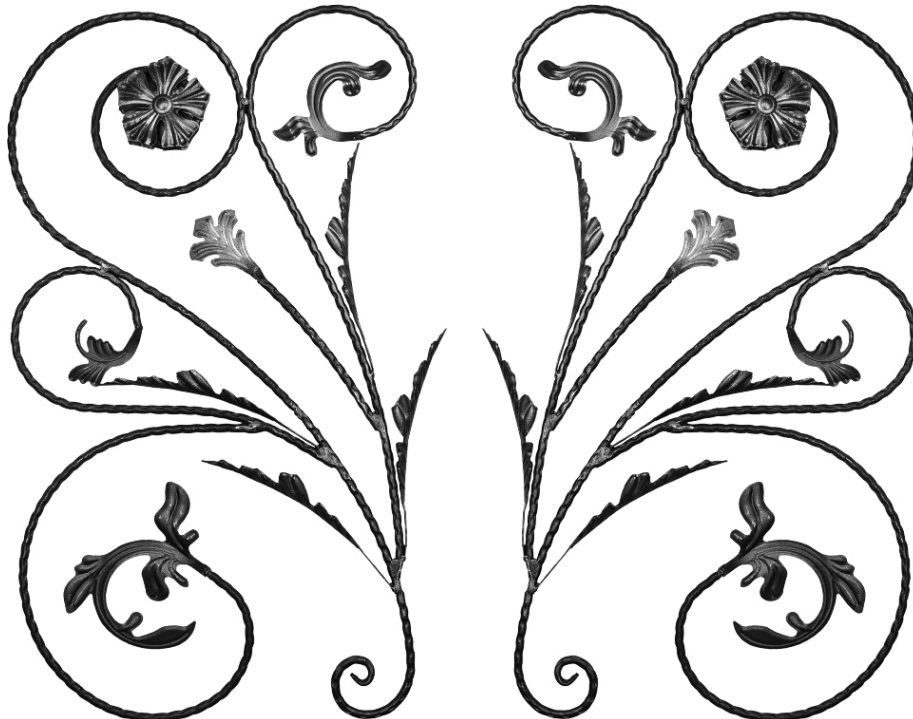
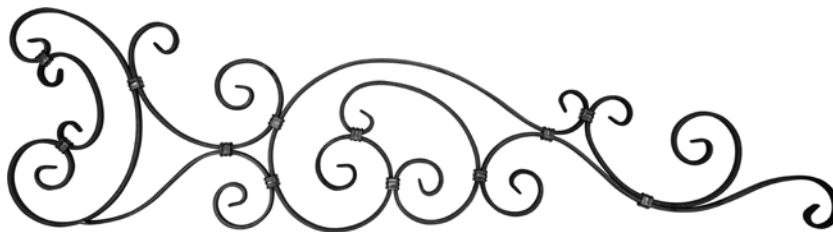
R0.076

[mm]	12x6
H	225
L	760



R0.078

[mm]	12x6
H	330
L	1100



R0.081

[mm]	∅ 11	∅ 11
H	950	950
L	500	500

R0.082

R0.090

[mm]	16x8
H x L	170x970



R0.091

[mm]	16x8
H x L	135x950



R0.092

[mm]	∅ 12
H x L	170x970



R0.093

[mm]	4
H x L	95x1200



18 | 03. rosettes and ornaments

Rosetten und Ornamente / rozety a ornamenti / розеты и орнамент / rozety i ornamenti



RO.116.03

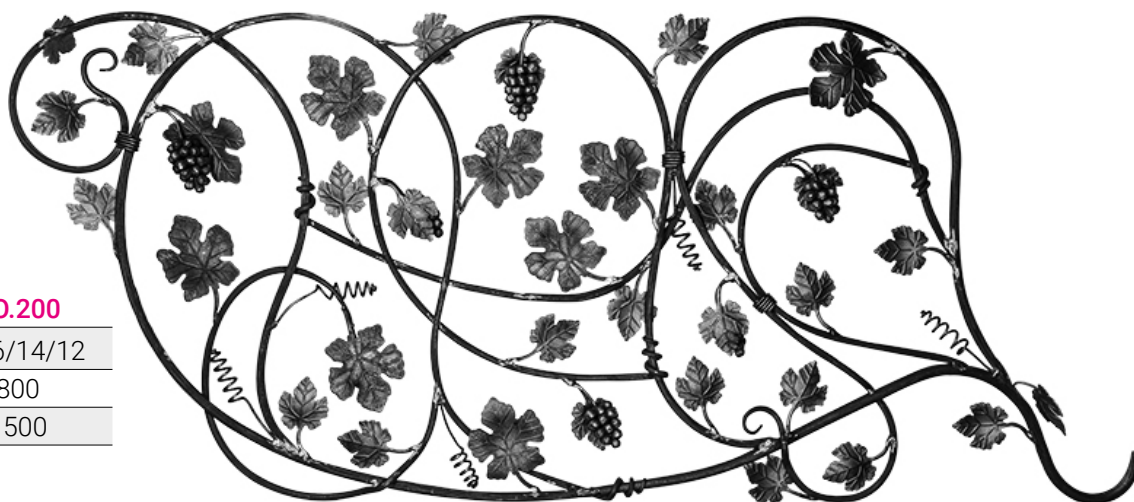


RO.116.09



RO.216.09

[mm]	12x12	12x12	12x12
H	∅ 360	∅ 380	H - 530, L - 560



RO.200

[mm]	∅ 16/14/12
H	800
L	1500



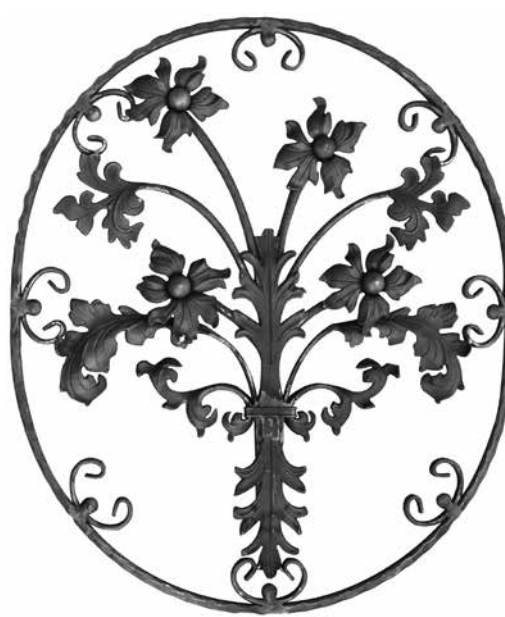
RO.202



RO.203



RO.204



RO.230

[mm]	∅ 14	∅ 14	∅ 14	12x12
H	800	1000	800	800
L	165	215	165	680



OR.002



OR.003.01



OR.003.02



OR.005

[mm]	4	8	8	0,8
H	215	∅ 55	∅ 85	∅ 100
L	140			



OR.012.01



OR.012.02



OR.015



OR.017



OR.028

[mm]	2	2	8	2	10
H	180	180	∅ 88	∅ 95	210
L	170	170			135



OR.101



OR.103



OR.105

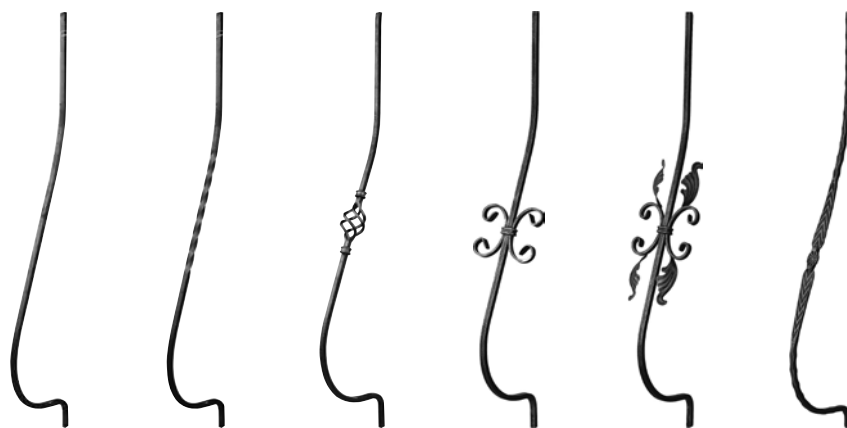


OR.200



OR.254

[mm]	14x14	14x14	14x14	250	2
H	380	400	455	160	165
L	190	175	200	160	165



TB.001

TB.002

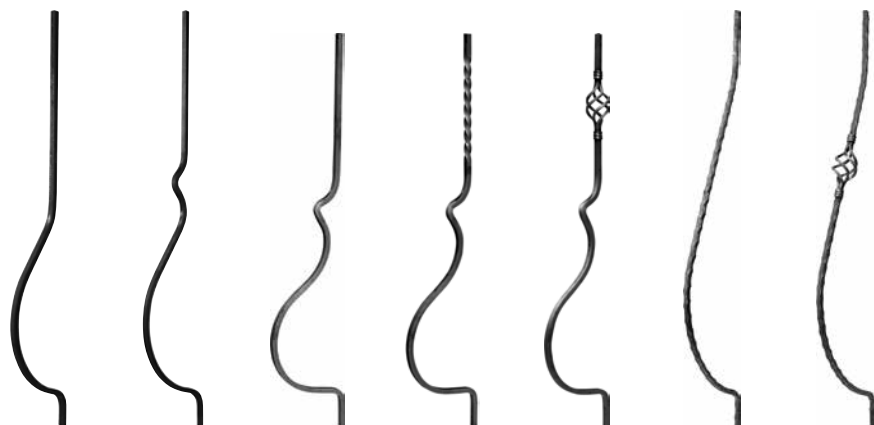
TB.003

TB.004

TB.005

TB.011

[mm]	12x12	12x12	12x12	12x12	12x12	12x12
H	950	950	950	950	950	950
L	200	200	200	200	200	200



TB.020

TB.021

TB.040

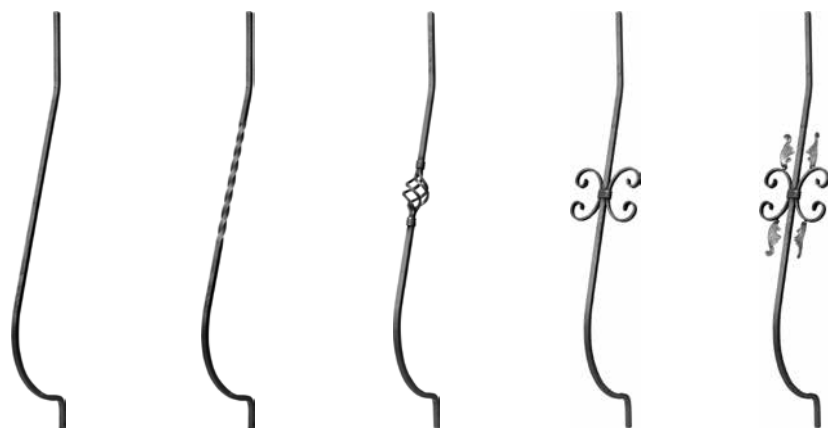
TB.041

TB.42

TB.051

TB.053

[mm]	12x12	12x12	12x12	12x12	12x12	12x12	12x12
H	950	950	900	900	900	950	950
L	200	200	170	170	170	200	200



TB.061

TB.062

TB.063

TB.064

TB.065

[mm]	12x12	12x12	12x12	12x12	12x12
H	950	950	950	950	950
L	160	160	160	160	160



TP.030



TP.031



TP.032



TP.033



TP.034



TP.120

[mm]	12x12	12x12	12x12	12x12	12x12	12x12
H	950	950	950	950	950	950
L	100	100	100	100	165	185



TP.201



TP.202



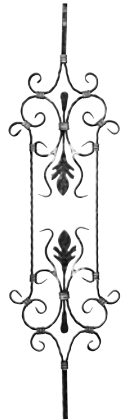
TP.203



TP.217



TP.218



TP.219

[mm]	12x6	12x12	12x6	12x12	16x8	12x12
H	860	890	860	950	950	950
L	350	370	350	90	155	270



TP.220



TP.222



TP.224



TP.401



TP.402



TP.403



TP.409

[mm]	12x12	16x8	12x12	12x12	12x12	12x12	12x12
H	950	950	950	950	950	950	950
L	170	165	240	200	200	275	195

Stäbe und Balustradenpfosten / tyče a sloupky / балясины и столбы балюстрады /
tralki i slupy



TK.001 TK.002 TK.003 TK.004 TK.005 TK.006 TK.015 TK.016 TK.017 TK.018

[mm]	12x12	12x12	Ø 14	Ø 14	12x12	12x12	12x12	12x12	Ø 12	Ø 12
H	950	950	950	950	950	950	900	900	950	950
L	36	36	36	36	30	30	28	28	24	24



TK.101 TK.102 TK.103 TK.104 TK.105 TK.106 TK.107 TK.108 TK.109 TK.110

[mm]	Ø 12	Ø 12	14x14	14x14	Ø 12	Ø 12	12x12	12x12	14x14	14x14
H	950	950	950	950	950	950	950	950	950	950
L	25	25	30	30	25	25	30	30	35	35





SB.001



SB.012



SB.019



SB.025



SB.032

[mm]	∅ 25	∅ 28	25x25	25x25	25x25
H	1200	1200	1200	1200	1200
L	55	60	34	50	48



SB.101



SB.102



SB.103



SB.104

[mm]	25x25	25x25	25x25	25x25
H	1100	1100	1100	1100
L	25	100	25	100



SB.110



SB.111



SB.112



SB.201

[mm]	25x25	25x25	25x25	∅ 35
H	1200	1200	1200	1100
L	215	215	215	580



SB.603



SB.604



SB.605



SB.606

[mm]	ø 48x2	ø 48x2	ø 48x2	ø 48x2
H	950	950	950	950
L	ø 14 / ø 48 / ø 120	ø 14 / ø 48 / ø 120	ø 14 / ø 48 / ø 120	ø 14 / ø 48 / ø 120



SB.613P



SB.613K



SB.613N



SB.614P



SB.614KP



SB.614KL



SB.614N

[mm]	40x40x2	40x40x2	40x40x2	40x40x2	40x40x2	40x40x2	40x40x2
H	1040	1040	1040	1040	1040	1040	1040
L	14 / 40 / 80	14 / 40 / 80	14 / 40 / 80	14 / 40 / 80	14 / 40 / 80	14 / 40 / 80	14 / 40 / 80

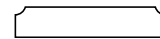


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płaskownicy, poręcze i pochwyt

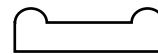


PL.001.126_M1 **PL.001.126_M2** **PL.001.126_M3**

[mm]	12x6	12x6	12x6
L	1000	2000	3000



	[mm]	L		[mm]	L
PL.001.205_M1	20x5	1000	PL.001.305_M1	30x5	1000
PL.001.205_M2	20x5	2000	PL.001.305_M2	30x5	2000
PL.001.205_M3	20x5	3000	PL.001.305_M3	30x5	3000
PL.001.205_M6	20x5	6000	PL.001.305_M6	30x5	6000
PL.001.255_M1	25x5	1000	PL.001.406_M1	40x6	1000
PL.001.255_M2	25x5	2000	PL.001.406_M2	40x6	2000
PL.001.255_M3	25x5	3000	PL.001.406_M3	40x6	3000
PL.001.255_M6	25x5	6000	PL.001.406_M6	40x6	6000



	[mm]	L		[mm]	L
PL.002.258_M1	25x8	1000	PL.002.408_M1	40x8	1000
PL.002.258_M2	25x8	2000	PL.002.408_M2	40x8	2000
PL.002.258_M3	25x8	3000	PL.002.408_M3	40x8	3000
PL.002.258_M6	25x8	6000			
PL.002.308_M1	30x8	1000			
PL.002.308_M2	30x8	2000			
PL.002.308_M3	30x8	3000			
PL.002.308_M6	30x8	6000			



	[mm]	L		[mm]	L
PL.003.305_M1	30x5	1000	PL.003.406_M1	40x6	1000
PL.003.305_M2	30x5	2000	PL.003.406_M2	40x6	2000
PL.003.305_M3	30x5	3000	PL.003.406_M3	40x6	3000
PL.003.305_M6	30x5	6000	PL.003.406_M6	40x6	6000



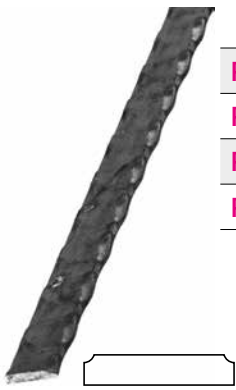
Flacheisen und Handläufe / madlové profily, ukončení / поручни /
 płaskowniki, poręczy i pochwyt



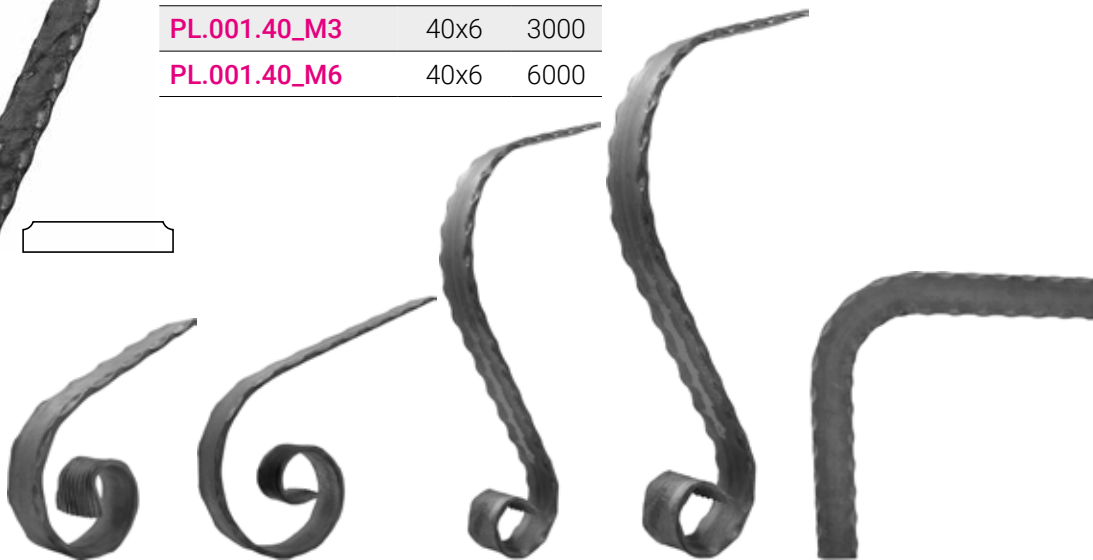
	[mm]	L		[mm]	L
PO.001.40_M1	40x12	1000	PO.001.50_M1	50x14	1000
PO.001.40_M2	40x12	2000	PO.001.50_M2	50x14	2000
PO.001.40_M3	40x12	3000	PO.001.50_M3	50x14	3000



PO.001.41	PO.001.42	PO.001.43	PO.001.44	PO.001.45
[mm] 40x12	40x12	40x12	40x12	40x12
PO.001.51	PO.001.52	PO.001.53	PO.001.54	PO.001.55
[mm] 50x14	50x14	50x14	50x14	50x14
H x L 120 x 300	180 x 350	470	630	300 x 300



	[mm]	L
PL.001.40_M1	40x6	1000
PL.001.40_M2	40x6	2000
PL.001.40_M3	40x6	3000
PL.001.40_M6	40x6	6000



PO.003.31	PO.003.32	PO.003.33	PO.003.34	PO.003.35
[mm] 30x5	30x5	30x5	30x5	30x5
PO.003.41	PO.003.42	PO.003.43	PO.003.44	PO.003.45
[mm] 40x6	40x6	40x6	40x6	40x6
H x L 120 x 300	180 x 350	470	630	300 x 300



05. flat bars and handrails

Flacheisen und Handläufe / madlové profily, ukončení / поручни /
 płaskownicy, poręcze i pochwyt



	[mm]	L
PO.004.40_M1	40x6	1000
PO.004.40_M2	40x6	2000
PO.004.40_M3	40x6	3000
PO.004.40_M6	40x6	6000



PO.004.41 **PO.004.42** **PO.004.43** **PO.004.44** **PO.004.45**

[mm]	40x6	40x6	40x6	40x6	40x6
H x L	120 x 300	180 x 350	470	630	300 x 300



	[mm]	L
PO.005.40_M1	40x6	1000
PO.005.40_M2	40x6	2000
PO.005.40_M3	40x6	3000
PO.005.40_M6	40x6	6000



PO.005.41 **PO.005.42** **PO.005.43** **PO.005.44** **PO.005.45**

[mm]	40x6	40x6	40x6	40x6	40x6
H x L	120 x 300	180 x 350	470	630	300 x 300

Flacheisen und Handläufe / madlové profily, ukončení / поручни /
 płaskownicy, poręcze i pochwyt



	[mm]	L
PO.009.40_M1	40x6	1000
PO.009.40_M2	40x6	2000
PO.009.40_M3	40x6	3000
PO.009.40_M6	40x6	6000



PO.009.41



PO.009.42



PO.009.43



PO.009.44



PO.009.45

[mm]	40x6	40x6	40x6	40x6	40x6
H x L	120 x 300	180 x 350	470	630	300 x 300



	[mm]	L
PO.012.40_M1	40x6	1000
PO.012.40_M2	40x6	2000
PO.012.40_M3	40x6	3000
PO.012.40_M6	40x6	6000



PO.012.41



PO.012.42



PO.012.43



PO.012.44



PO.012.45

[mm]	40x6	40x6	40x6	40x6	40x6
H x L	120 x 300	180 x 350	470	630	300 x 300



PO.031



PO.032



PO.033

[mm]	12x12	12x12	∅ 14
H	180 x 95	180 x 95	180 x 95

06. decorative bars

decorative Stäbe und Lochstäbe / zdobené kulatiny a mříže /

прутья и декоративные прутья / pręty ozdobne i antaby



	[mm]	L
PG.001.12_M1	12x12	1000
PG.001.12_M2	12x12	2000
PG.001.12_M3	12x12	3000
PG.001.12_M6	12x12	6000
PG.001.14_M1	14x14	1000
PG.001.14_M2	14x14	2000
PG.001.14_M3	14x14	3000
PG.001.14_M6	14x14	6000

	[mm]	L
PG.001.16_M1	16x16	1000
PG.001.16_M2	16x16	2000
PG.001.16_M3	16x16	3000
PG.001.16_M6	16x16	6000
PG.001.20_M1	20x20	1000
PG.001.20_M2	20x20	2000
PG.001.20_M3	20x20	3000
PG.001.20_M6	20x20	6000

	[mm]	L
PG.002.12_M1	12x12	1000
PG.002.12_M2	12x12	2000
PG.002.12_M3	12x12	3000
PG.002.12_M6	12x12	6000



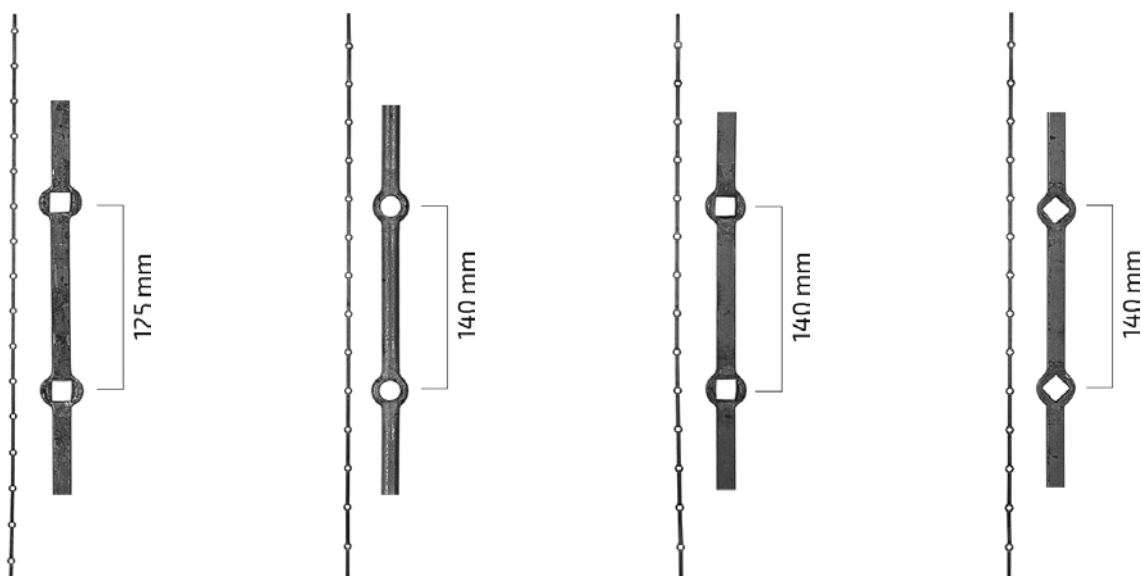
	PK.001.11	PK.001.12
[mm]	∅ 10-12	∅ 12-16
L	1100	1100



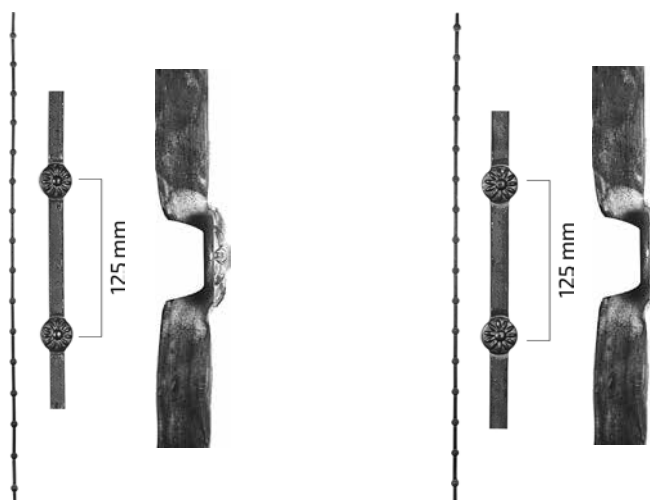
	[mm]	L		[mm]	L
PK.002.08_M1	∅ 8	1000	PK.002.14_M1	∅ 14	1000
PK.002.08_M2	∅ 8	2000	PK.002.14_M2	∅ 14	2000
PK.002.08_M3	∅ 8	3000	PK.002.14_M3	∅ 14	3000
PK.002.10_M1	∅ 10	1000	PK.002.16_M1	∅ 16	1000
PK.002.10_M2	∅ 10	2000	PK.002.16_M2	∅ 16	2000
PK.002.10_M3	∅ 10	3000	PK.002.16_M3	∅ 16	3000
PK.002.12_M1	∅ 12	1000	PK.002.20_M1	∅ 20	1000
PK.002.12_M2	∅ 12	2000	PK.002.20_M2	∅ 20	2000
PK.002.12_M3	∅ 12	3000	PK.002.20_M3	∅ 20	3000



decorative Stäbe und Lochstäbe / zdobené kulatiny a mříže /
прутья и декоративные прутья / pręty ozdobne i antaby



[mm]	12x12	∅ 14	14x14	14x14
	PA.001.121_M1	PA.001.140_M1	PA.001.141_M1	PA.001.142_M1
L	1000	1000	1000	1000
	PA.001.121_M2	PA.001.140_M2	PA.001.141_M2	PA.001.142_M2
L	2000	2000	2000	2000



[mm]	12x12	14x14
	PA.002.121_M1	PA.002.141_M1
L	1000	1000
	PA.002.121_M2	PA.002.141_M2
L	2000	2000



06. decorative bars

decorative Stäbe und Lochstäbe / zdobené kulatiny a mříže /

прутья и декоративные прутья / pręty ozdobne i antaby



	[mm]	L
PA.011.01_M1	30x18x1,5	1000
PA.011.01_M2	30x18x1,5	2000
PA.011.01_M3	30x18x1,5	3000
PA.011.01_M6	30x18x1,5	6000

	[mm]	L
PA.011.02_M1	30x18x1,5	1000
PA.011.02_M2	30x18x1,5	2000
PA.011.02_M3	30x18x1,5	3000
PA.011.02_M6	30x18x1,5	6000



[mm]	40x40x2	40x40x2	40x40x2	40x40x2	40x40x2
	PA.013.K_M1	PA.013.P_M1	PA.014.KP_M1	PA.014.KL_M1	PA.014.P_M1
L	1000	1000	1000	1000	1000
	PA.013.K_M2	PA.013.P_M2	PA.014.KP_M2	PA.014.KL_M2	PA.014.P_M2
L	2000	2000	2000	2000	2000



decorative Stäbe und Lochstäbe / zdobené kulatiny a mříže /
путья и декоративные путья / pręty ozdobne i antaby



PA.015.01

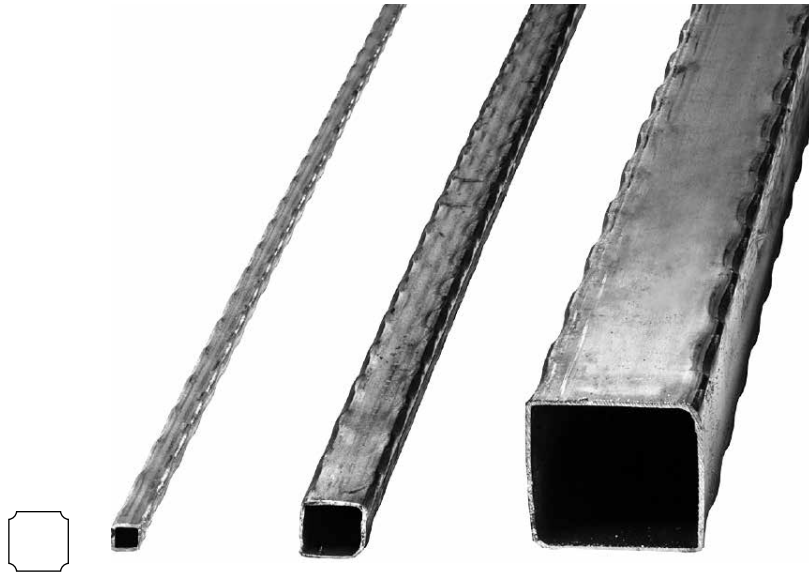
PA.015.02

[mm]	20x5	20x5
L	2000	2000

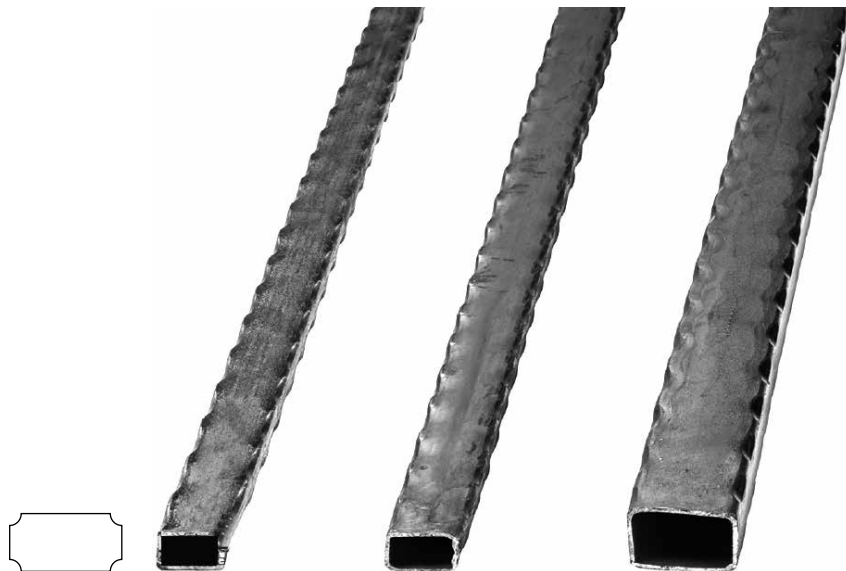


Vierkantrohre und Rohre / uzavřené profily a trubky /

профильная трубы и декоративные трубы / profile zamknięte i rury



[mm]	15x15x1,5	20x20x1,5	25x25x2	30x30x2	40x40x2	50x50x2	60x60x2
	PF.015.15_M1	PF.020.20_M1	PF.025.25_M1	PF.030.30_M1	PF.040.40_M1	PF.050.50_M1	PF.060.60_M1
L	1000	1000	1000	1000	1000	1000	1000
	PF.015.15_M2	PF.020.20_M2	PF.025.25_M2	PF.030.30_M2	PF.040.40_M2	PF.050.50_M2	PF.060.60_M2
L	2000	2000	2000	2000	2000	2000	2000
	PF.015.15_M3	PF.020.20_M3	PF.025.25_M3	PF.030.30_M3	PF.040.40_M3	PF.050.50_M3	PF.060.60_M3
L	3000	3000	3000	3000	3000	3000	3000
		PF.020.20_M6	PF.025.25_M6	PF.030.30_M6	PF.040.40_M6	PF.050.50_M6	PF.060.60_M6
L		6000	6000	6000	6000	6000	6000



[mm]	30x20x2	40x20x2	40x30x2	50x30x2	60x40x2
	PF.030.20_M1	PF.040.20_M1	PF.040.30_M1	PF.050.30_M1	PF.060.40_M1
L	1000	1000	1000	1000	1000
	PF.030.20_M2	PF.040.20_M2	PF.040.30_M2	PF.050.30_M2	PF.060.40_M2
L	2000	2000	2000	2000	2000
	PF.030.20_M3	PF.040.20_M3	PF.040.30_M3	PF.050.30_M3	PF.060.40_M3
L	3000	3000	3000	3000	3000
	PF.030.20_M6	PF.040.20_M6	PF.040.30_M6	PF.050.30_M6	PF.060.40_M6
L	6000	6000	6000	6000	6000

Vierkantrohre und Rohre / uzavřené profily a trubky /
 профильная трубы и декоративные трубы / profile zamknięte i rury



	[mm]	L
RP.003.38_M1	∅ 38x2	980
RP.003.38_M2	∅ 38x2	1980
RP.003.38_M3	∅ 38x2	2990
RP.003.38_M6	∅ 38x2	5995
RP.003.48_M1	∅ 48x2	980
RP.003.48_M2	∅ 48x2	1980
RP.003.48_M3	∅ 48x2	2990
RP.003.48_M6	∅ 48x2	5995



	RP.003.38.01	RP.003.38.04	RP.003.38.05	RP.003.38.06
[mm]	∅ 38x2	∅ 38x2	∅ 38x2	∅ 38x2
H	80	790	230	190
L	250	280	230	200



	RP.003.38.L1	RP.003.38.L2
[mm]	∅ 38x2	∅ 38x2
H	55	70
L	48	70





GR.001



GR.002



GR.003



GR.006



GR.007



GR.008

[mm]	∅ 15	∅ 16	∅ 24	∅ 25	∅ 30	∅ 18
H	150	150	160	110	125	110
L	55	66	63	55	65	48



GR.011



GR.012



GR.013



GR.017



GR.018



GR.041

[mm]	∅ 12	∅ 15	∅ 12	∅ 24	∅ 25	∅ 13
H	100	125	140	128	140	125
L	45	55	110	65	70	60



GR.045



GR.048



GR.048.01



GR.049



GR.050



GR.052



GR.052.02

[mm]	∅ 13	∅ 20	∅ 16	∅ 26	∅ 20	∅ 12	∅ 12
H	130	110	76	135	130	130	130
L	53	60	43	70	70	60	60





GR.052.03

GR.053

GR.055

GR.056

GR.058

GR.059

[mm]	12x12	∅ 17	∅ 20	∅ 25	∅ 20	∅ 25
H	115	155	80	125	120	135
L	53	70	45	65	55	65



GR.060

GR.060.01

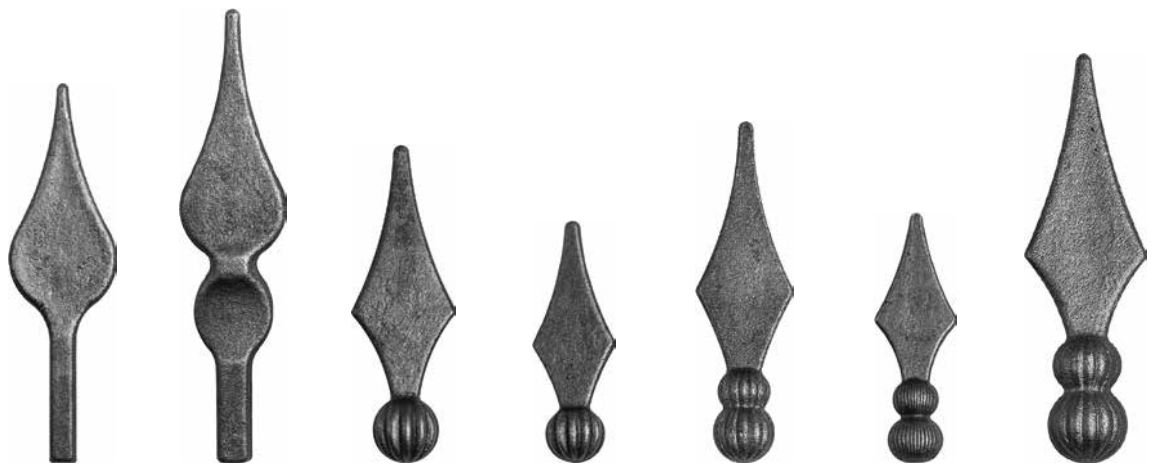
GR.060.02

GR.061

GR.065

GR.066

[mm]	∅ 20	∅ 16	∅ 20	∅ 26	12x12	14x14
H	115	82	115	140	120	140
L	58	40	58	70	42	47



GR.067

GR.068

GR.071

GR.071.01

GR.072

GR.072.01

GR.073

[mm]	12x12	14x14	∅ 25	∅ 20	∅ 25	∅ 20	∅ 30
H	150	180	125	95	135	98	160
L	40	43	40	30	40	33	50



GR.077



GR.077.02



GR.078



GR.078.01



GR.078.02



GR.080

[mm]	∅ 32	∅ 25	15x15	15x15	12x12	∅ 16
H	125	110	140	130	120	155
L	60	50	58	50	43	65



GR.083



GR.088.01



GR.089



GR.092



GR.092.01



GR.093

[mm]	∅ 25	20x20	25x25	20x20	15x15	32x32
H	125	100	160	125	82	160
L	45	20	25	30	20	40



GR.095



GR.096



GR.097



GR.097.30



GR.098.01



GR.098.02



GR.098.03

[mm]	12x12	18	24x24	24x24	33	30	∅ 24
H	95	125	60	60	150	120	88
L	27	40	35	30	40	35	28





GR.099.01



GR.099.02



GR.099.03



GR.099.04

[mm]	25x25	30x30	40x40	18x21
H	120	155	200	105
L	67	90	117	53



GR.100



GR.102.01



GR.104



GR.106

[mm]	∅ 16	14x14	∅ 16	15x15
H	160	110	160	145
L	90	50	65	80





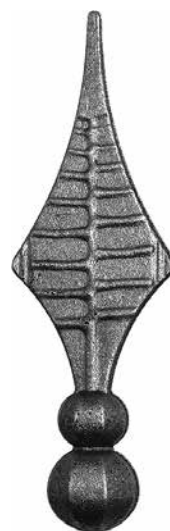
GR.112



GR.112.01



GR.117



GR.118



GR.123

[mm]	∅ 40	∅ 16	∅ 29	∅ 35	12x12
H	200	120	180	205	90
L	100	73	60	65	63



GR.133



GR.140



GR.150



GR.151

[mm]	12x12	16x16	∅ 12	12x12
H	150	57	92	120
35L	30	38	38	35



GR.153



GR.154



GR.155



GR.157



GR.159

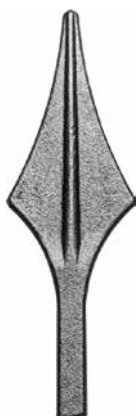


GR.162

[mm]	16x16	16x16	20x20	∅ 26	36	16x16
H	107	142	148	134	145	105
L	25	28	35	64	36	60



GR.170



GR.183



GR.200



GR.210



GR.211

[mm]	12x12	12x12	∅ 22	15x15	18x18
H	200	160	80	82	110
L		50	22	15	18



TG.001



TG.002



TG.003



TG.004



TG.005

[mm]	12x12	12x12	12x12	12x12	∅ 12
H	350	350	500	500	500





GL.001.25

GL.001.40

GL.001.60

GL.002.27

GL.002.42

GL.002.48

[mm]	25x25	40x40	60x60	∅ 27	∅ 42	∅ 48
H	60	85	125	60	85	125
L						



GL.003.40

GL.003.50

GL.003.60

GL.003.80

GL.003.100

[mm]	4x40	50x50	60x60	80x80	100x100
H	87	110	135	160	180
L	40	50	60	80	100



GL.010.30

GL.010.45

GL.010.55

GL.030

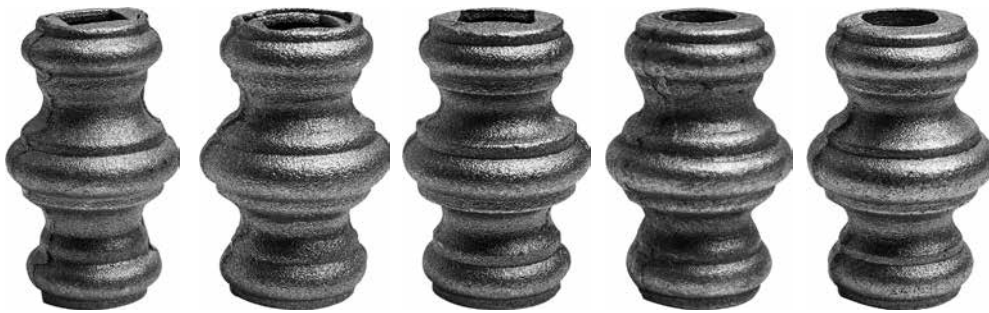
GL.100

[mm]	∅ 30	∅ 45	∅ 55		∅ 100
H	42	50	70	200	210
L				220	110



PR.001.12 **PR.001.14** **PR.001.16** **PR.001.140** **PR.001.160**

[mm]	12,5x12,5	14,5x14,5	16,5x16,5	∅ 14,5	∅ 16,5
H	39	44	44	40	44
L	40	45	45	39	45



PR.002.12 **PR.002.14** **PR.002.16** **PR.002.140** **PR.002.160**

[mm]	12,5x12,5	14,5x14,5	16,5x16,5	∅ 14,5	∅ 16,5
H	67	67	67	67	67
L	40	45	45	40	45



PR.003.12 **PR.003.14** **PR.003.16** **PR.003.21**

[mm]	12,5x12,5	14,5x14,5	16,5x16,5	21,5x21,5
H	22	22	22	25
L	40	40	40	45



PR.003.120 **PR.003.140** **PR.003.160**

[mm]	∅ 12,5	∅ 14,5	∅ 16,5
H	25	22	22
L	35	40	40





PR.004.12



PR.004.14



PR.004.16



PR.004.20

[mm]	12,5x12,5	14,5x14,5	16,5x16,5	20,5x20,5
H	22	22	22	35
L	33	38	38	55



PR.005.12



PR.005.14



PR.005.16



PR.006.12



PR.006.14



PR.006.16

[mm]	12,5x12,5	14,5x14,5	16,5x16,5	12,5x12,5	14,5x14,5	16,5x16,5
H	40	40	40	65	65	65
L	38	38	38	38	38	38



PR.015.14



PR.020.12



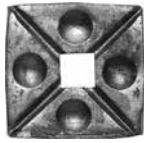
PR.020.120



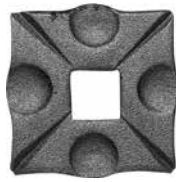
PR.402

[mm]	14x14	12x12	∅ 12	12x12
H	80	140	140	160
L	35	26	28	25

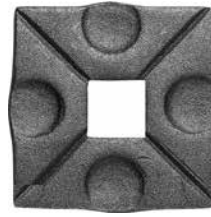




MS.001.12

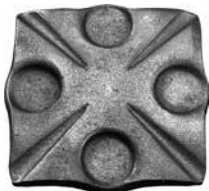


MS.001.20

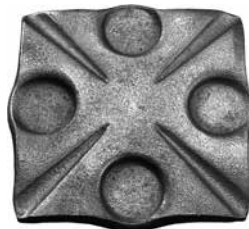


MS.001.25

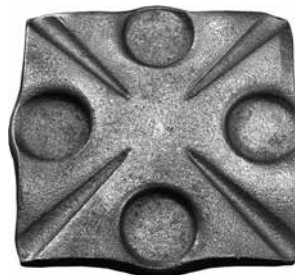
[mm]	12x12	21x21	26x26
H	50x50	70x70	90x90
L	6	6	8



MS.002.80



MS.002.100



MS.002.120

[mm]			
H	80x80	100x100	120x120
L	7	7	7



MS.004.80



MS.004.100



MS.004.120

[mm]			
H	80x80	100x100	120x120
L	8	8	8



MS.005.90



MS.007.00



MS.007.30

[mm]			31x31
H	80x80	100x100	100x100
L	2	10	10





	[mm]		H	L
MS.009.12	12x12	1	23	40x40
MS.009.14	14x14	1	23	40x40
MS.009.16	16x16	1	23	40x40
MS.009.20	20x20	1	26	50x50
MS.009.25	25x25	1	26	50x50
MS.009.30	30x30	1	26	60x60
MS.009.40	40x40	1	27	80x80
MS.009.50	50x50	1	27	80x80



	[mm]		H	L
MS.010.12	12x12	3,5	12	50x50
MS.010.14	14x14	3	13	50x50
MS.010.20	20x20	4	16	80x80
MS.010.25	25x25	4	17	80x80
MS.010.30	30x30	4	16	80x80
MS.010.40	40x40	4	17	80x80
MS.010.420	40x20	4	17	80x80

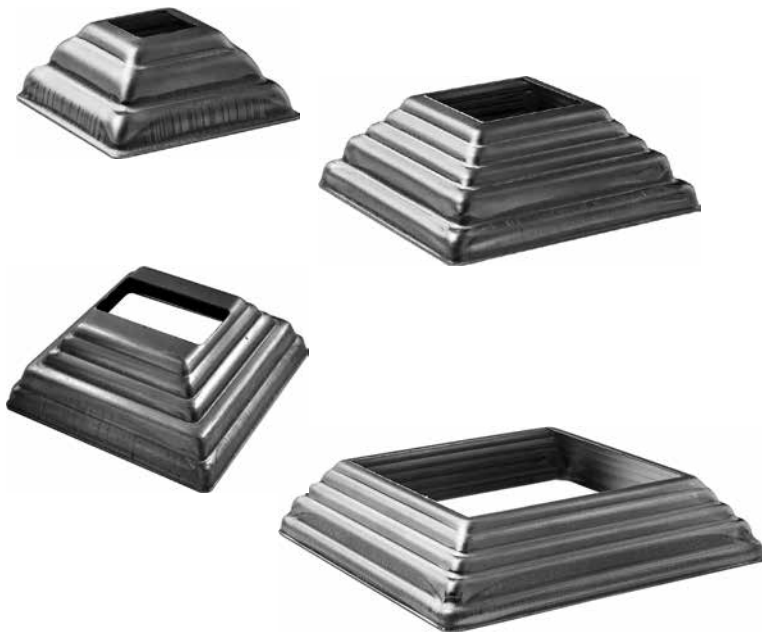


	[mm]		H	L
MS.011.12	12x12		15	40x40
MS.011.14	14x14		15	40x40
MS.011.16	16x16		15	40x40
MS.011.20	20x20		20	50x50
MS.011.25	25x25		20	60x60
MS.011.30	30x30		20	60x60
MS.011.31	30x30		20	80x80
MS.011.40	40x40		20	80x80





	[mm]	H	L
MS.012.12	Ø 12	15	Ø 50
MS.012.14	Ø 14	15	Ø 50
MS.012.25	Ø 25	25	Ø 80
MS.012.32	Ø 32	25	Ø 80
MS.012.38	Ø 38	30	Ø 97
MS.012.42	Ø 42	30	Ø 97
MS.012.48	Ø 48	30	Ø 97
MS.012.51	Ø 51	30	Ø 110



	[mm]	H	L
MS.013.12	12x12	19	44x44
MS.013.14	14x14	19	44x44
MS.013.16	16x16	19	44x44
MS.013.20	20x20	22	57x57
MS.013.25	25x25	30	80x80
MS.013.30	30x30	30	80x80
MS.013.40	40x40	30	90x90
MS.013.50	50x50	30	100x100
MS.013.60	60x60	28	109x109
MS.013.80	80x80	28	120x120
MS.013.100	100x100	28	140x140
MS.013.420	40x20	28	100x100
MS.013.430	40x30	30	75x85
MS.013.460	40x60	28	90x110





MS.015.00



MS.015.13



MS.016.00



MS.017.65



MS.017.90

[mm]		13x13			
H	78x78	78x78	100x100	∅ 67	∅ 95
L	4	4	4	4	4



MS.018.00



MS.018.26



MS.019.60



MS.019.80

[mm]		25,5x25,5			
H	∅ 108	∅ 115	60x60	76x76	
L	4	4	4	2	



MS.020.60



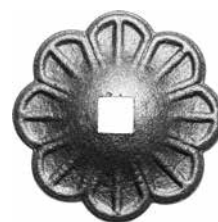
MS.020.80



MS.021



MS.022



MS.030

[mm]			14x14	40x40	14,5x14,5
H	20	20	40	23	∅ 90
L	∅ 60	∅ 80	40x40	110x110	4



MS.101.01

MS.101.02

MS.101.03

MS.101.04

MS.200

MS.206

H	120	145	200	250	155	160
L	50	60	85	110	70	102
	4	4	4	5	4	3



MS.233

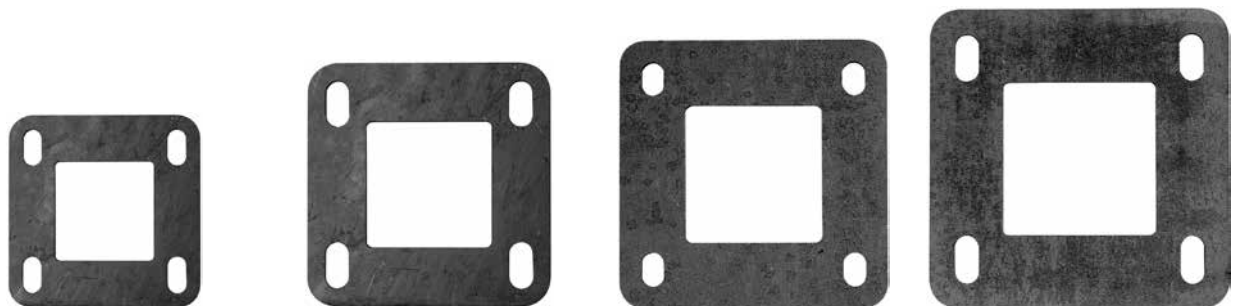
MS.234

MS.240.20

MS.240.25

MS.240.30

[mm]	4 x \varnothing 10	4 x \varnothing 10	20x20	25x25	30x30
HxL	80x80	100x100	50x50	60x60	70x70
	3	3	3	3	3



MS.240.40

MS.240.60

MS.240.80

MS.240.100

[mm]	40x40	60x60	80x80	100x100
HxL	80x80	120x120	160x160	200x200
	4	4	5	5



KW.001



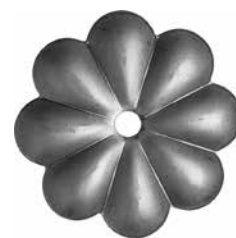
KW.001.62



KW.001.95



KW.002.60



KW.002.90

[mm]					
H	∅ 95	∅ 62	∅ 95	∅ 60	∅ 88
L	3	4	3	2	2



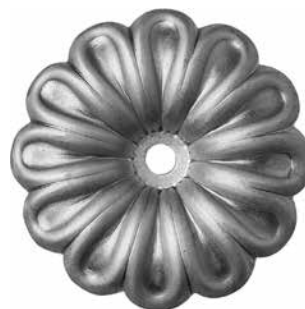
KW.005



KW.006.68



KW.006.97



KW.006.120



KW.008

[mm]					
H	∅ 57	∅ 68	∅ 95	∅ 120	∅ 60
L	2	0,8	2	2	2



KW.010.90



KW.010.135



KW.011



KW.012.45



KW.012.70

[mm]					
H	∅ 100	∅ 140	∅ 85	35	70
L	2	2	2	1,5	0,8



KW.014.60

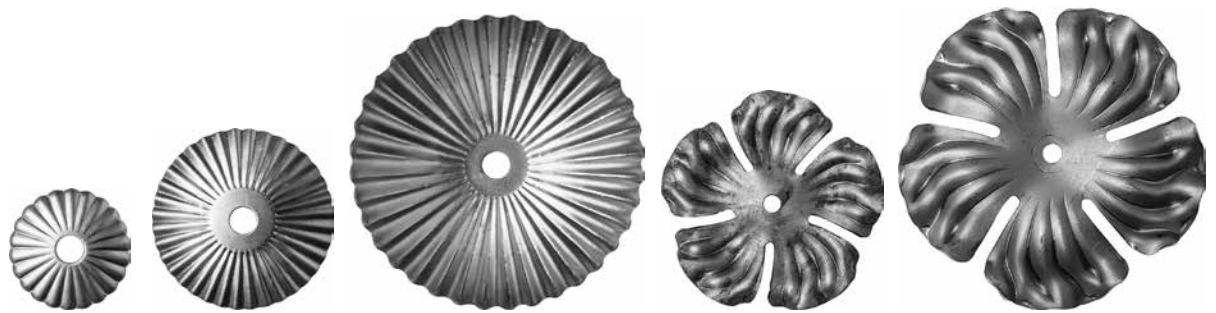
KW.014.80

KW.016

KW.020

KW.022.85

[mm]	∅ 8	∅ 8	∅ 40	∅ 8	∅ 85
H	60	80	0,8	∅ 90	∅ 85
L	1,5	1,5	0,8	3	2



KW.046.46

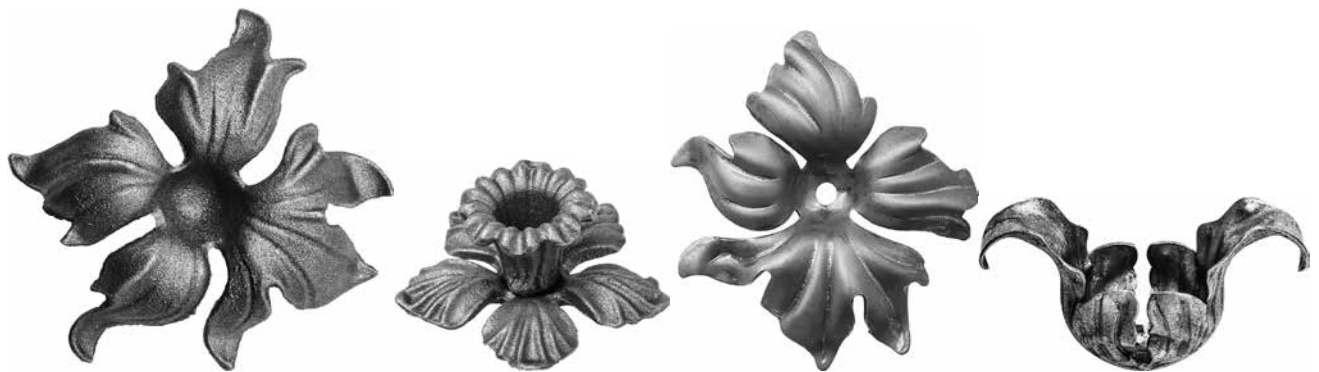
KW.046.70

KW.046.115

KW.048.90

KW.048.120

[mm]	∅ 10	∅ 10	∅ 10	∅ 7,5	∅ 7,5
H	∅ 46	∅ 70	∅ 115	∅ 85	∅ 120
L	0,8	0,8	0,8	2	2



KW.101

KW.102

KW.105

KW.200

[mm]		∅ 45	∅ 8	
H	135 x 140	∅ 90	145x135	135x70
L	4	4	2	1,5





KZ.001.01 KZ.001.02 KZ.001.03 KZ.001.11 KZ.001.12 KZ.001.13

H	380	240	210	80	56	55
L	160	130	130	67x67	45x45	32x32



KZ.001.09



KZ.001.08



KZ.001.07

H	240	210	420
L	140	130	200



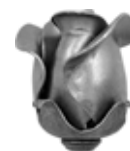
KZ.001.16



KZ.001.17



KZ.001.18



KZ.001.19

H	53	51	42	50
L	75x75	55x55	45x45	45x35





KZ.001.21



KZ.001.22



KZ.001.23



KZ.001.24



KZ.001.25



KZ.001.26

H	300	50	80	70	55	45
L	70	50	100x100	85x85	63x63	32x32
		1,5	1	1	1	1



KZ.001.27



KZ.001.28



KZ.001.29



KZ.001.34



KZ.001.35



KZ.001.37



KZ.001.38

H	200	130	105	70	70	51	65
L	205	130	105	30	40	35	50
	2	2	2	1	1	1,5	1,5



KZ.001.40



KZ.001.41



KZ.001.42



KZ.001.43



KZ.001.44



KZ.001.45

H	75	75	55	55	85	70
L	50	50	40	40	45	35
	2	2	2	2	0,5	0,5





KZ.002.01



KZ.002.02



KZ.002.03

H	125	155	122
L	75	110	80
	4	4	4



KZ.002.04



KZ.002.05



KZ.002.06

H	140	97	70
L	130	90	65
	1,5	1,5	1,5



KZ.002.08



KZ.002.09



KZ.002.10

H	130	90	75
L	130	120	92
	1,5	1,5	1,5





KZ.002.13



KZ.002.14



KZ.002.15



KZ.002.16

[mm]	∅ 15	∅ 15	∅ 20	∅ 20
H	135	120	240	150
L	55	50	70	55



KZ.002.23



KZ.002.24



KZ.002.25

[mm]	∅ 15	∅ 15	∅ 20
H	250	125	240
L	150	105	140



KZ.002.34



KZ.002.35



KZ.002.36



KZ.002.51



KZ.002.52



KZ.002.53

H	105	75	50	180	160	70
L	100	75	50	28	43	20
	1,5	1,5	1,5	∅ 4,5	∅ 4,5	∅ 5



KZ.003.01

KZ.003.02

KZ.003.03

KZ.003.04

KZ.003.05

[mm]					
			1,5	1,5	1,5
H	420	275	250	160	150
L	200	40	40	45	40



KZ.007.01

KZ.007.02

KZ.007.03

KZ.007.11

KZ.007.12

H	170	142	100	95	56
L	90	73	51	∅ 19 \ ∅ 25	∅ 19 \ ∅ 15
	1,5	1,5	1,5	∅ 5	∅ 4



KZ.008.01



KZ.008.02



KZ.008.03

H	150	120	115
L	43	40	28
	1,5	1,5	1,5



KZ.009.04



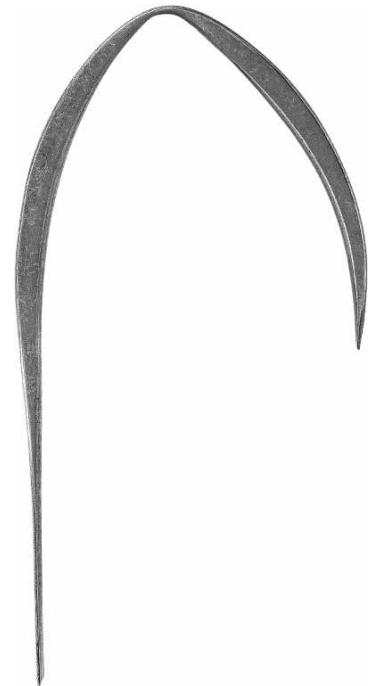
KZ.009.05



KZ.009.06



KZ.009.08



KZ.009.09

H	210	200	200	460	305
L	75	110	110	30	40
	2	2	2	1,5	1,5



KZ.010.01



KZ.010.02



KZ.010.03



KZ.010.04



KZ.010.05

H	90	70	51	140	280
L	65	50	39	85	140
	1,5	1,5	1,5		



KZ.011.01



KZ.011.02



KZ.011.03

H	140	105	65
L	100	75	55
	1,5	1,5	1,5



KZ.014.01



KZ.014.02



KZ.014.12

H	240	170	160
L	230	135	40
	1,5	1,5	



KZ.015.01



KZ.015.02



KZ.015.03

H	140	100	90
L	40	40	30
	1,5	1,5	1,5



KZ.015.04



KZ.015.05



KZ.015.06

H	150	115	110
L	45	40	30
	1,5	1,5	1,5



KZ.015.14



KZ.015.10



KZ.015.11



KZ.015.13

H	110	110	110	450
L	36	90	130	120
	1,5	1,5	1,5	





KZ.017.01



KZ.017.02



KZ.017.03



KZ.017.11

H	145	85	60	58
L	125	100	70	70x70
	1,5	1,5	1,5	1,5



KZ.019.01



KZ.019.02

H	190	165
L	200	155
	2	2



KZ.019.03



KZ.019.04



KZ.019.11

H	135	100	35
L	125	95	125
	2	2	2



LS.003.01



LS.003.02



LS.005.01



LS.005.02

H	90	90	112	112
L	50	50	92	92
	2,5	2,5	2	2



LS.007.01



LS.007.02



LS.007.03



LS.007.04



LS.007.05



LS.007.06

H	185	185	110	110	90	90
L	69	69	40	40	30	30
	2	2	2	2	2	2



LS.008.01



LS.008.02



LS.009.01



LS.009.02



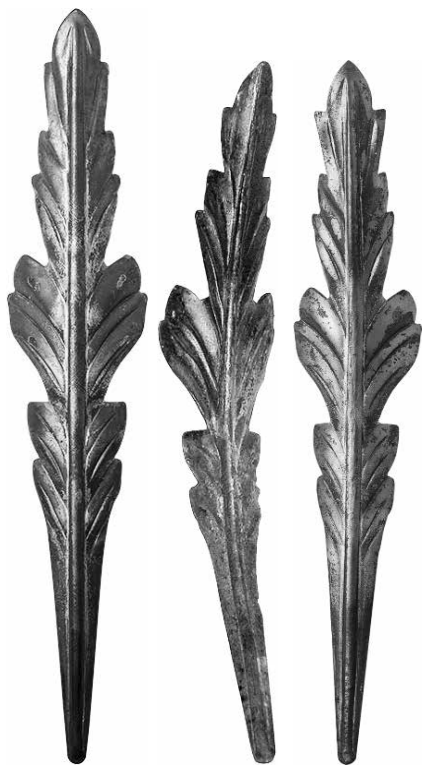
LS.010.01



LS.010.02

H	80	80	65	65	110	110
L	60	60	70	70	75	75
	2	2	2	2	2	2





LS.015

LS.016



LS.012

LS.013

LS.014

H	125	150	150
L	38	60	75
	2,5	2,5	2,5

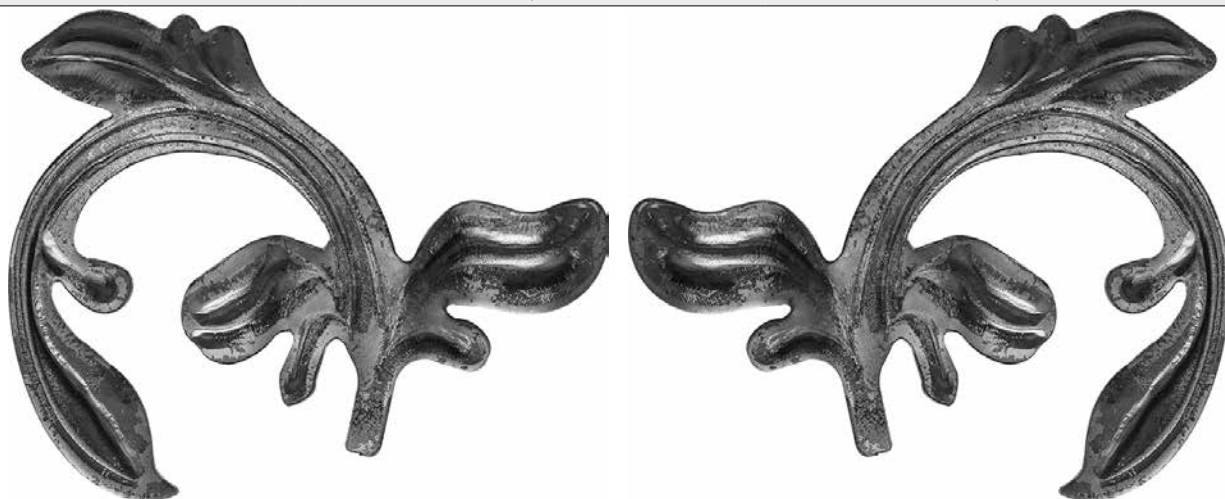


LS.020.01



LS.020.02

H	300	290	100	100
L	60	55	150	150
	3	3	1,8	1,8



LS.021.01

LS.021.02

H	215	215
L	175	175
	4	4





LS.023.01



LS.023.02

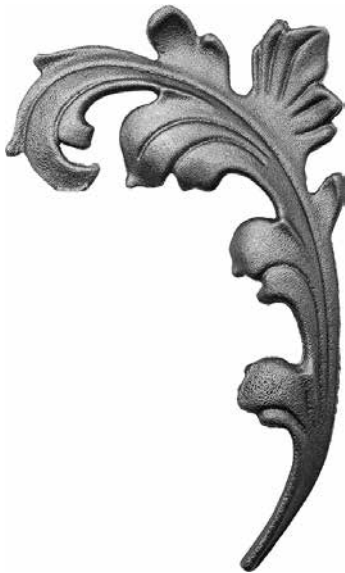


LS.025.01

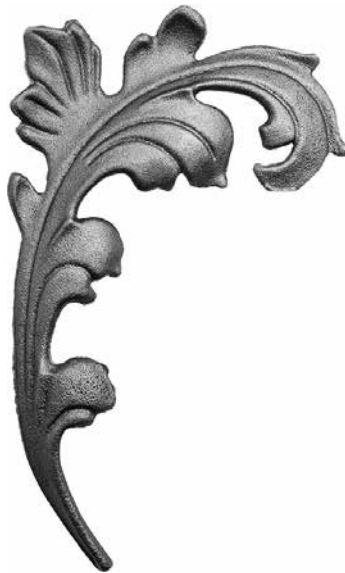


LS.025.02

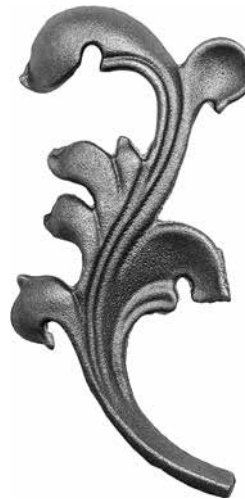
H	140	140	155	155
L	110	110	140	140
	4	4	4	4



LS.026.01



LS.026.02



LS.027.01



LS.027.02

H	250	250	210	210
L	150	150	135	135
	4	4	4	4



LS.028.01



LS.028.02



LS.029.01



LS.029.02

H	180	180	165	165
L	85	85	105	105
	4	4	4	4



LS.036



LS.038.01



LS.038.02



LS.043

H	190	220	220	150
L	60	120	120	47
	5	4	4	2



LS.045.01



LS.045.02



LS.046.01



LS.046.02

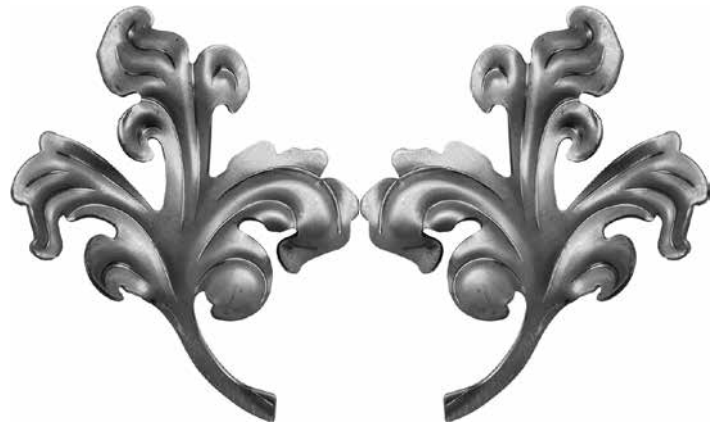
H	200	200	295	295
L	95	95	175	175
	2	2	2	2





LS.047.01

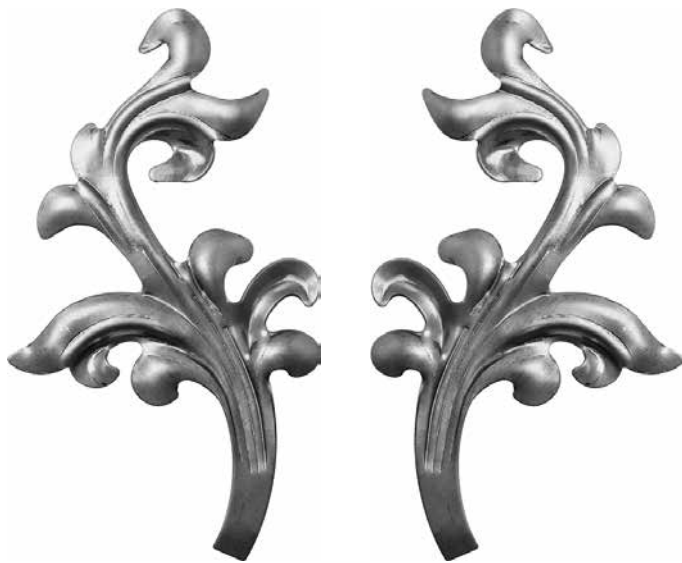
LS.047.02



LS.048.01

LS.048.02

H	230	230	164	164
L	135	135	130	130
	2	2	2	2

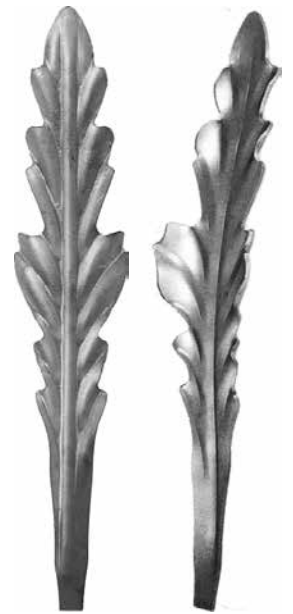


LS.049.01

LS.049.02



LS.057



LS.062

H	240	240	105	285
L	140	140	50	56
	2	2	2	2





LS.064.01



LS.064.02



LS.081.01

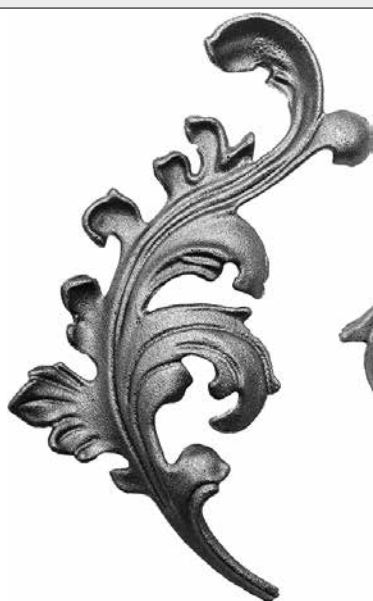


LS.081.02

H	110	110	120	120
L	95	95	95	95
	2	2	4	4



LS.082.01



LS.082.02

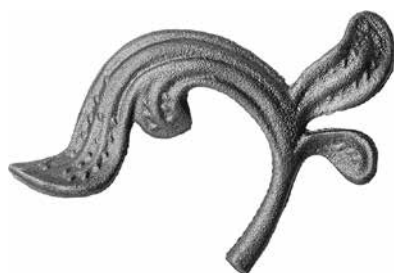


LS.084.01

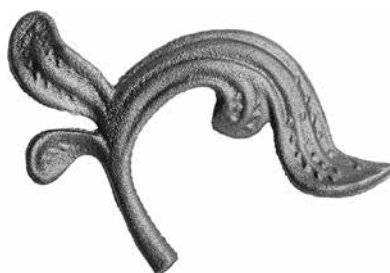


LS.084.02

H	280	280	140	140
L	155	155	65	65
	4	4	4	4



LS.085.01



LS.085.02

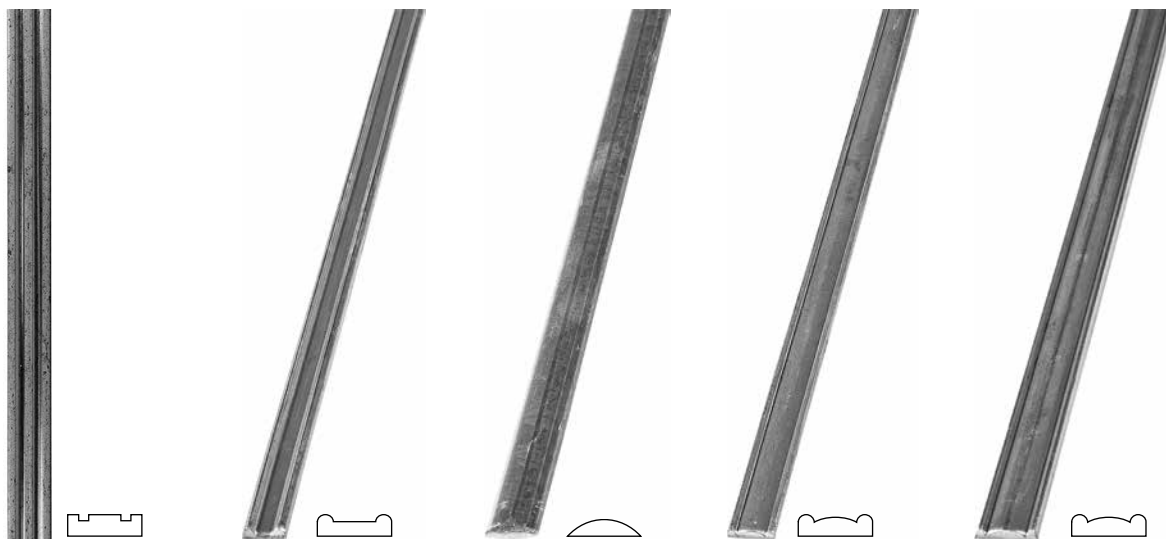


LS.0141

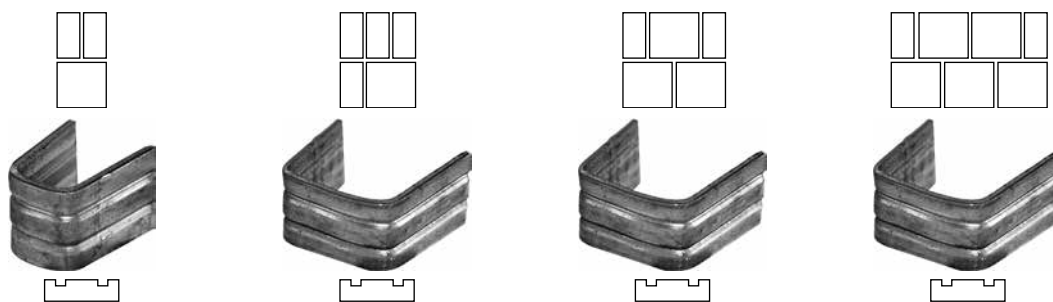
H	180	180	88
L	115	115	48
	4	4	2

13. banding materials and rivets

Bundeisen, Bündchen und Nieten / profily na spony, spony, nýty /
 профили для декоративных хомутов, заклепки / taśmy zakuciowe, zakuwki i nity



[mm]	17x2	14x3	14x4	14x3	20x4
	TZ.001_M1	TZ.002_M1	TZ.004_M1	TZ.005.14_M1	TZ.005.20_M1
L	1000	1000	1000	1000	1000
	TZ.001_M2	TZ.002_M3	TZ.004_M3	TZ.005.14_M3	TZ.005.20_M3
L	2000	3000	3000	3000	3000

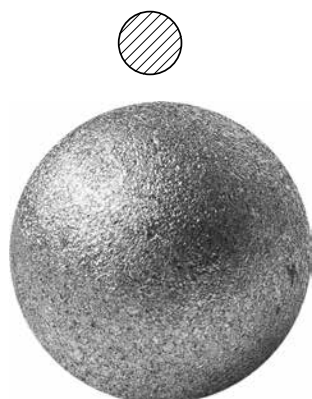


	ZK.001.12	ZK.001.18	ZK.001.24	ZK.001.36
[mm]	17x2	17x2	17x2	17x2
H	12	18	24	36



	EN.001	EN.002	EN.003	EN.004	EN.005.01	EN.005.02	EN.006
[mm]	∅ 6	∅ 6	∅ 6	∅ 10	∅ 6	∅ 6	∅ 10
H	36	25	36	32	12	40	30
L	∅ 19	∅ 25	∅ 18	∅ 21	∅ 10	∅ 10	19x19

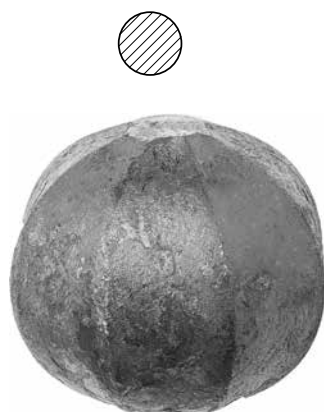




	[mm]
K1.015	∅ 15
K1.020	∅ 20
K1.025	∅ 25
K1.030	∅ 30
K1.035	∅ 35
K1.040	∅ 40
K1.050	∅ 50
K1.060	∅ 60



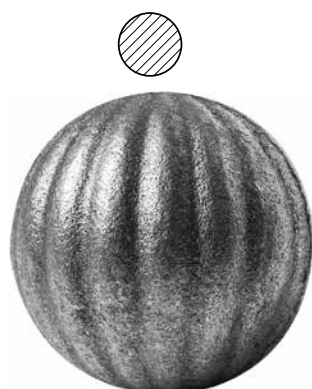
	[mm]	[mm]	d
K4.015	1	∅ 15	8x8
K4.020	1	∅ 20	10x10
K4.025	1,5	∅ 25	12x12
K4.030	1,5	∅ 30	14x14
K4.035	1,5	∅ 35	14x14
K4.040	1,5	∅ 40	∅ 20
K4.050	2	∅ 50	∅ 25
K4.060	2	∅ 60	∅ 30
K4.070	2	∅ 70	∅ 35
K4.080	2	∅ 80	∅ 40
K4.090	2	∅ 90	∅ 45
K4.100	2	∅ 100	∅ 53
K4.120	3	∅ 120	∅ 61
K4.150	3	∅ 150	∅ 80



	[mm]
K2.020	∅ 20
K2.025	∅ 25
K2.030	∅ 30
K2.035	∅ 35
K2.040	∅ 40
K2.050	∅ 50



	[mm]
K6.060	∅ 60
K6.080	∅ 80
K6.100	∅ 100
K6.120	∅ 120
K6.200	∅ 200



	[mm]
K3.030	∅ 30
K3.040	∅ 40
K3.050	∅ 50



	[mm]	[mm]
K9.050	1	∅ 50
K9.060	1	∅ 60
K9.080	1	∅ 80
K9.100	1	∅ 100
K9.120	1	∅ 120
K9.150	1	∅ 150



