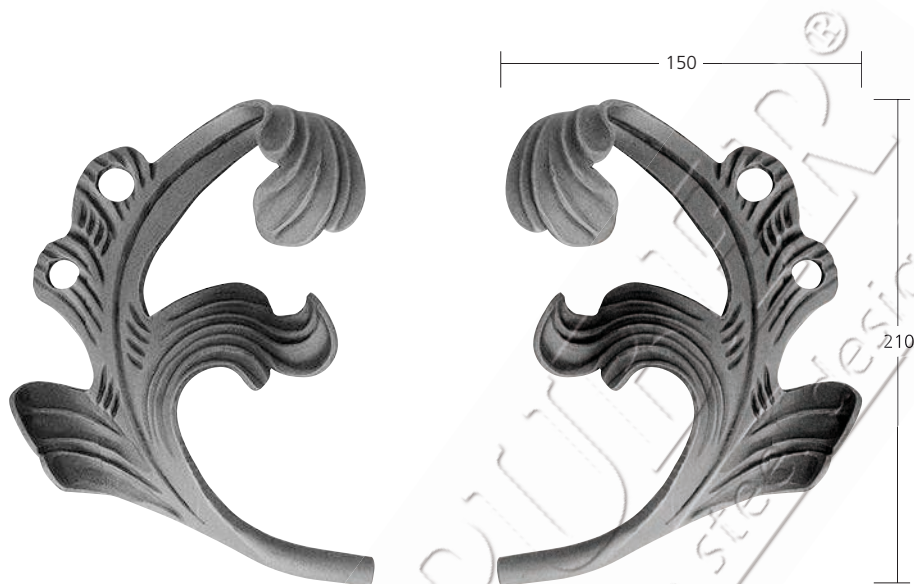


ELEMENTI ORNAMENTALI
ZIERELEMENTE
ORNAMENTAL ELEMENTS



WOLFSGRUBER

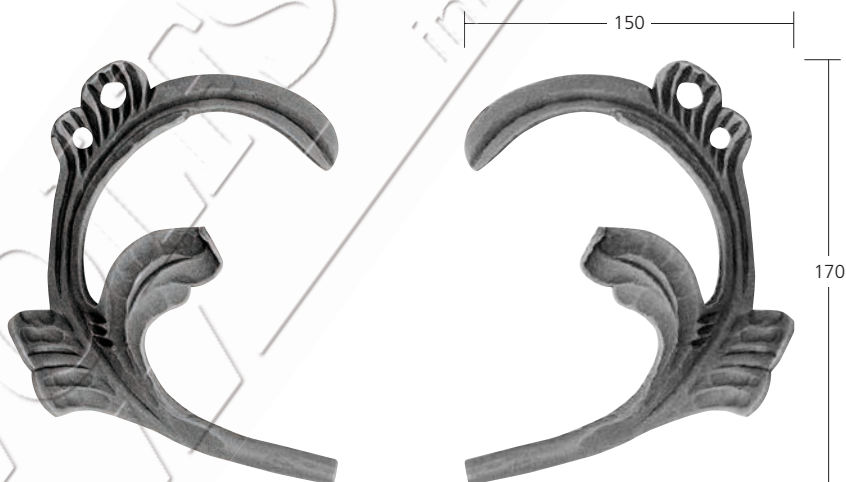
 *innovative steel design*



30010 Mat. 4 mm **30011**

0,48 kg

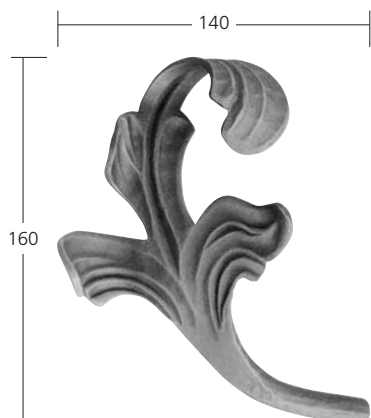
sede
Ansatz - lug Ø 12 mm



30012 Mat. 4 mm **30013**

0,36 kg

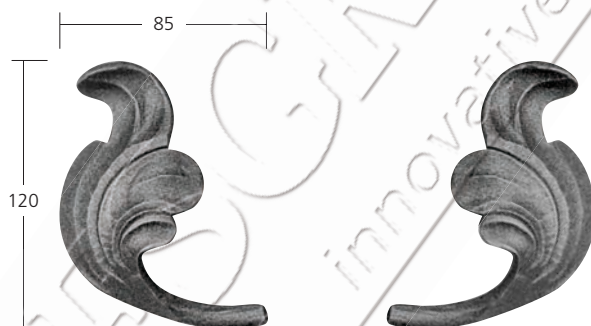
sede
Ansatz - lug Ø 12 mm



30016 Mat. 4 mm **30017**

0,31 kg

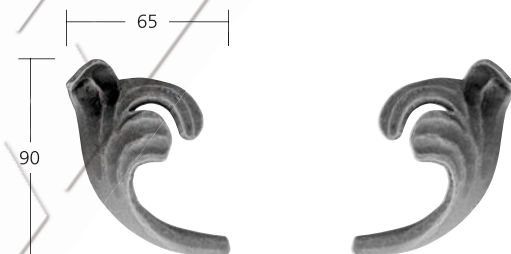
sede
Ansatz - lug Ø 12 mm



30018 Mat. 4 mm **30019**

0,16 kg

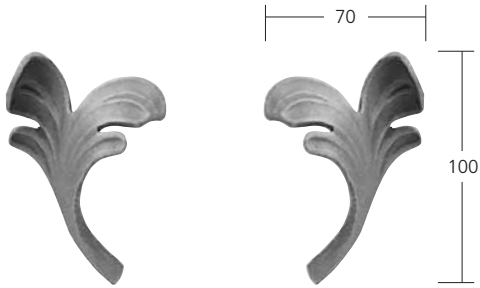
sede
Ansatz - lug Ø 12 mm



30020 Mat. 4 mm **30021**

0,12 kg

sede
Ansatz - lug Ø 10 mm



30210 Mat. 3 mm **30211**

0,08 kg

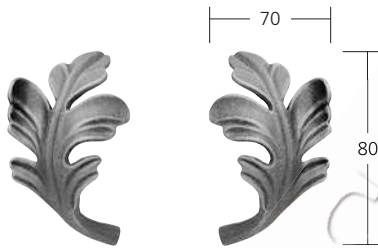
sede
Ansatz - lug Ø 10 mm



30214 Mat. 3 mm **30215**

0,06 kg

sede
Ansatz - lug Ø 10 mm



30218 Mat. 3 mm **30219**

0,10 kg

sede
Ansatz - lug Ø 10 mm



30220 Mat. 3 mm

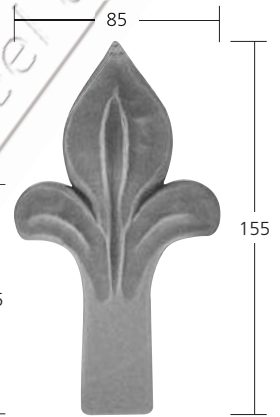
0,10 kg



30224 Mat. 5 mm

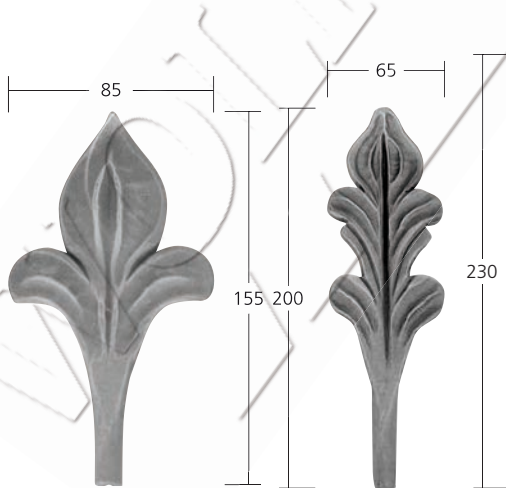
0,06 kg

sede
Ansatz - lug Ø 10 mm



30227 Mat. 4 mm

0,18 kg



30226 Mat. 4 mm

0,16 kg

sede
Ansatz - lug Ø 12 mm

30250 Mat. 4 mm

0,25 kg

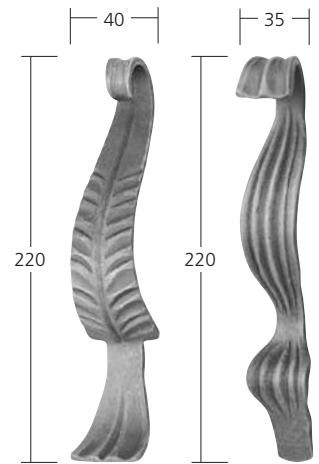
sede
Ansatz - lug Ø 12 mm



30254 Mat. 4 mm

0,30 kg

sede
Ansatz - lug Ø 12 mm



30260 Mat. 4 mm

0,24 kg

sede
Ansatz - lug Ø 12 mm

30264 Mat. 5 mm

0,28 kg

sede
Ansatz - lug Ø 12 mm



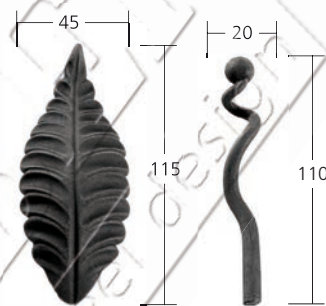
30272



30274



30276



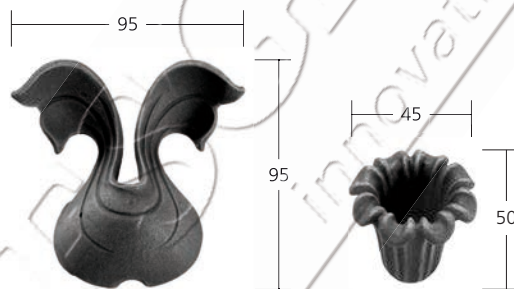
30278



30286



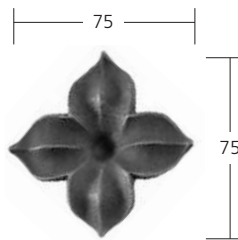
30284



30280



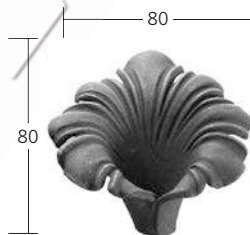
30282



30288



30290



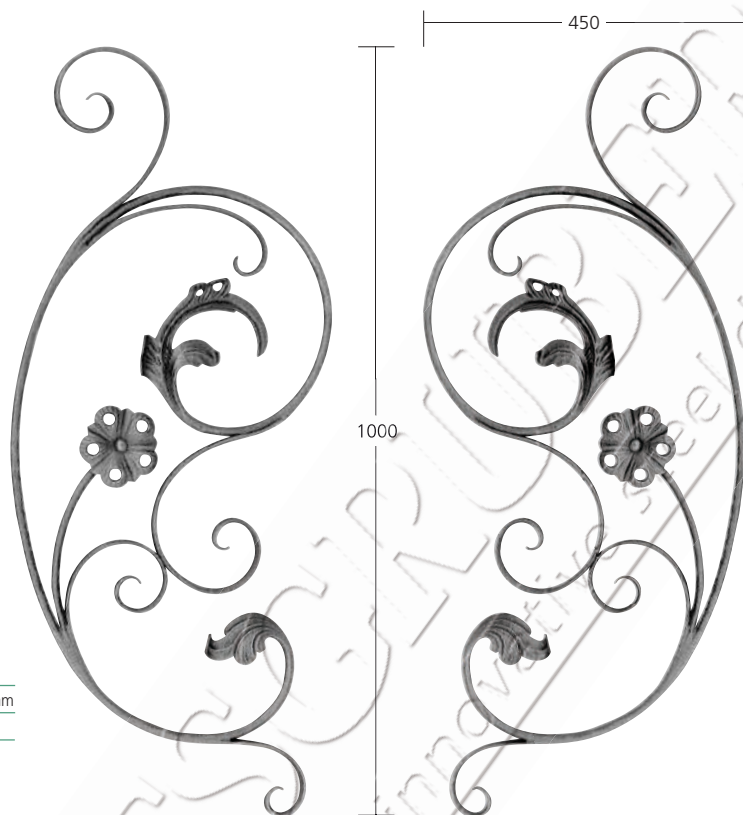
30292





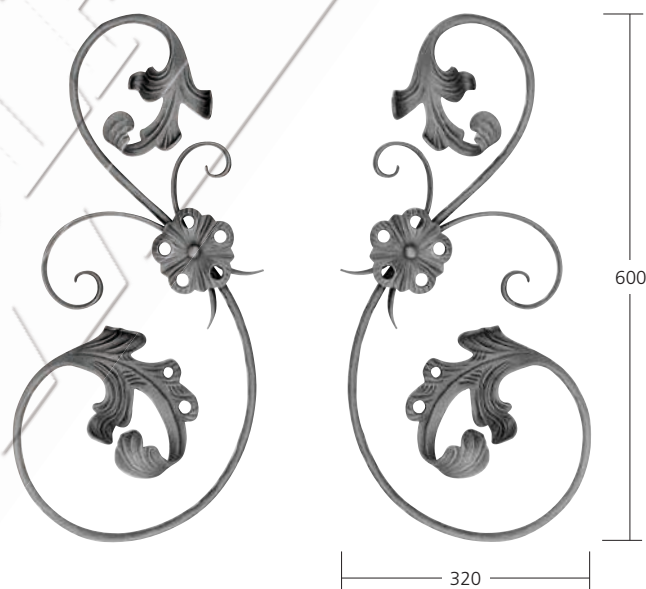
barocco rustico · Ländliches Barock · country baroque

martellato · gehämmert · hammered



31010 Mat. Ø 12 mm
2,90 kg

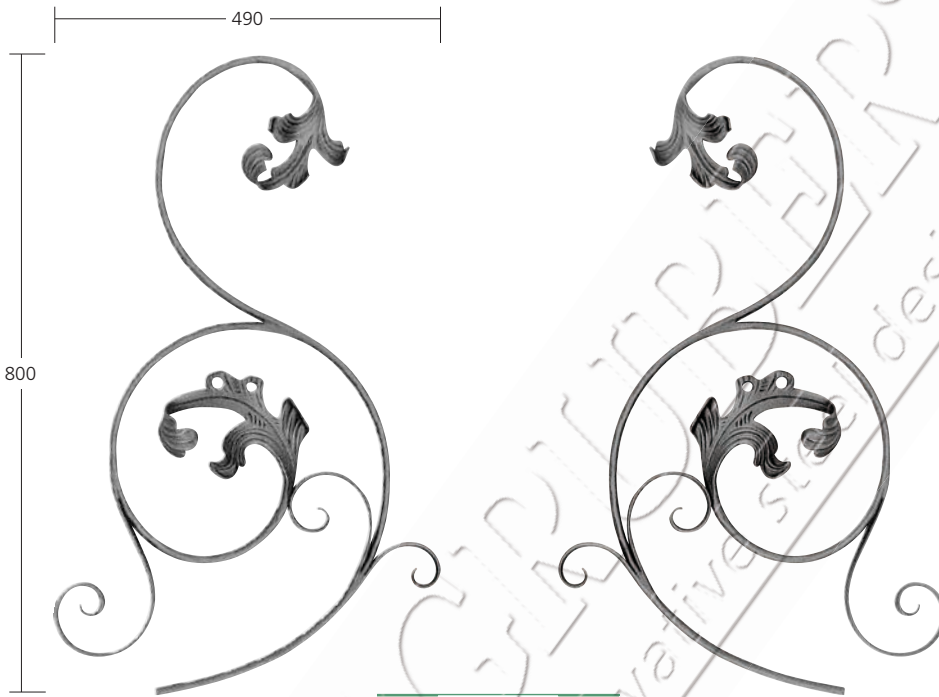
31011 Mat. Ø 12 mm
2,90 kg



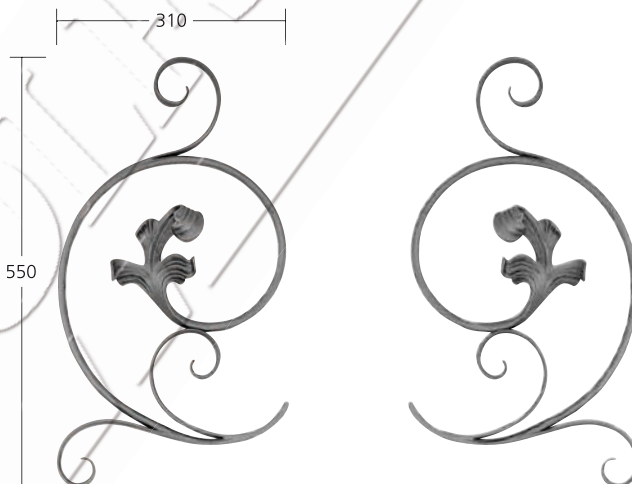
31014 Mat. Ø 12 mm
2,12 kg

31015 Mat. Ø 12 mm
2,12 kg

martellato · gehämmert · hammered



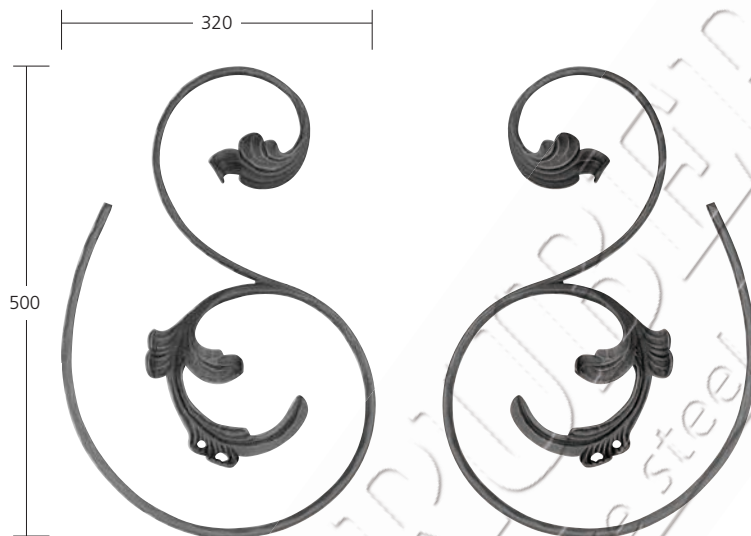
31018 Mat. Ø 12 mm **31019**
2,60 kg



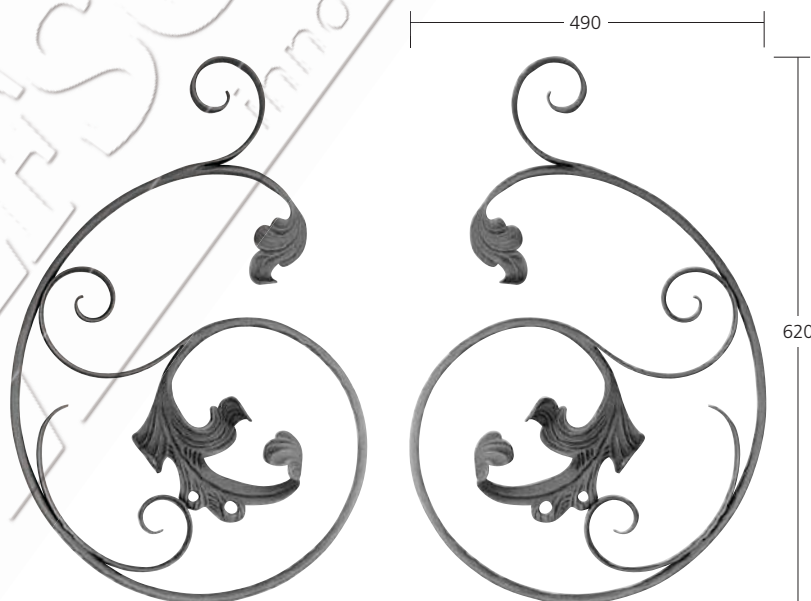
31022 Mat. Ø 12 mm **31023**
1,38 kg



martellato · gehämmert · hammered



31026 Mat. Ø 12 mm **31027**
1,40 kg

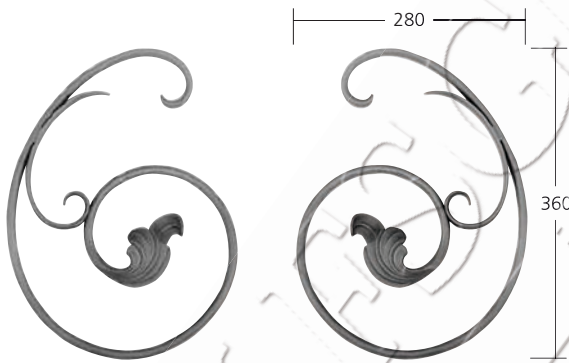


31030 Mat. Ø 12 mm **31031**
2,12 kg

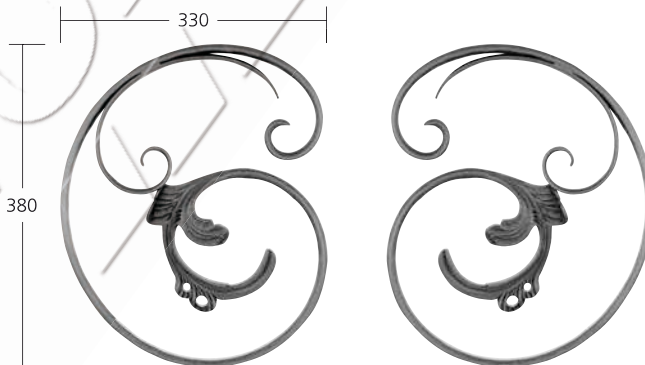
martellato · gehämmert · hammered



31034 Mat. Ø 12 mm **31035**
2,60 kg



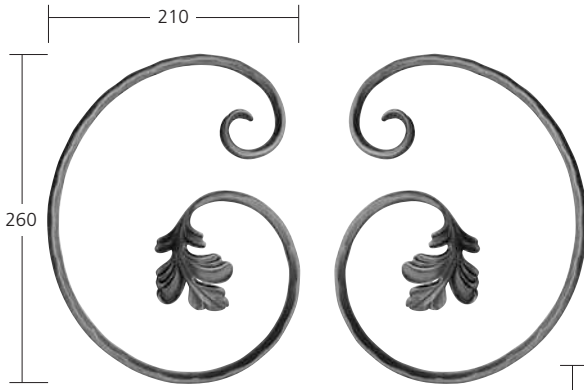
31038 Mat. Ø 12 mm **31039**
1,20 kg



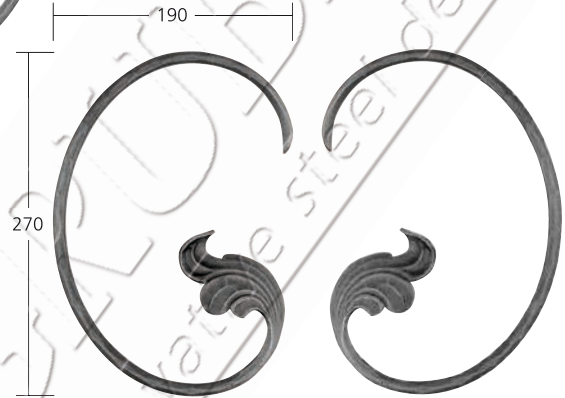
31042 Mat. Ø 12 mm **31043**
1,60 kg



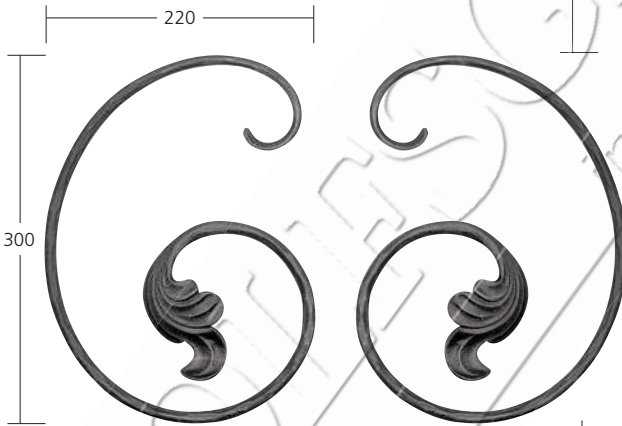
martellato · gehämmert · hammered



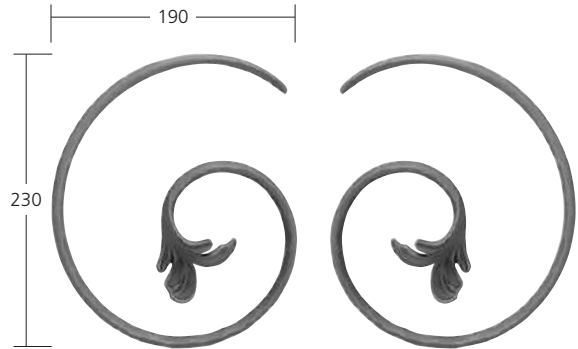
31222 Mat. Ø 10 mm **31223**
0,52 kg



31226 Mat. Ø 10 mm **31227**
0,46 kg



31230 Mat. Ø 10 mm **31231**
0,60 kg

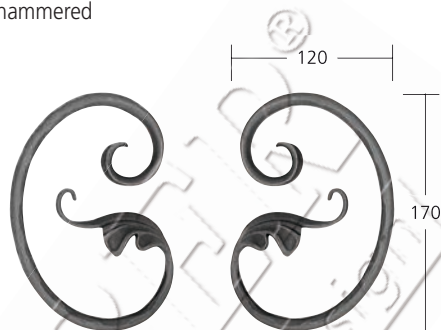


31234 Mat. Ø 10 mm **31235**
0,44 kg

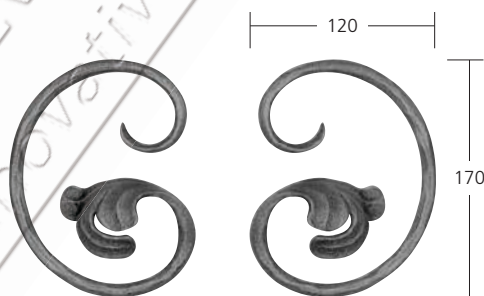
martellato · gehämmert · hammered



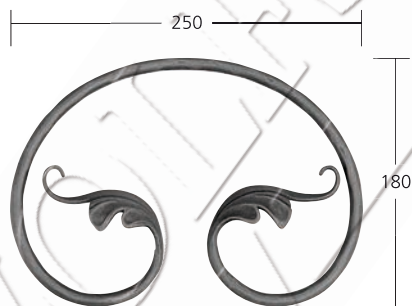
31238 Mat. Ø 10 mm **31239**
0,35 kg



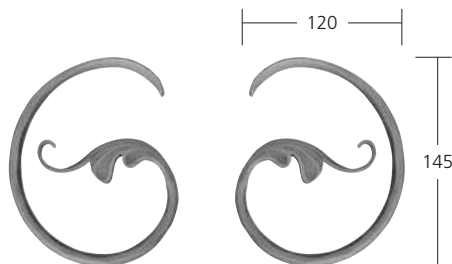
31242 Mat. Ø 10 mm **31243**
0,28 kg



31246 Mat. Ø 10 mm **31247**
0,26 kg

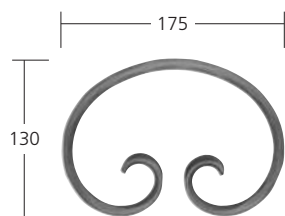


31254 Mat. Ø 10 mm
0,44 kg

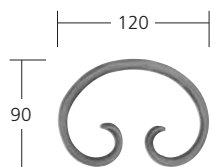


31250 Mat. Ø 10 mm **31251**
0,22 kg

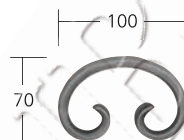
martellato · gehämmert · hammered



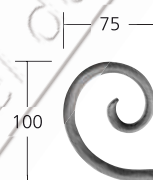
31410 Mat. Ø 10 mm
0,30 kg



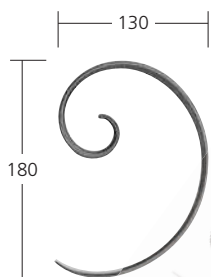
31420 Mat. Ø 10 mm
0,19 kg



31430 Mat. Ø 10 mm
0,14 kg



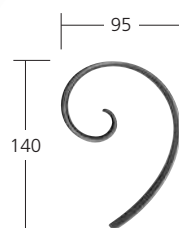
31440 Mat. Ø 10 mm
0,12 kg



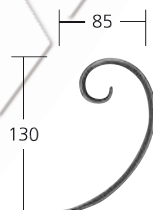
31610 Mat. 15x4 mm
0,16 kg



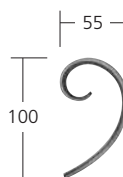
31620 Mat. 15x4 mm
0,17 kg



31630 Mat. 15x4 mm
0,12 kg

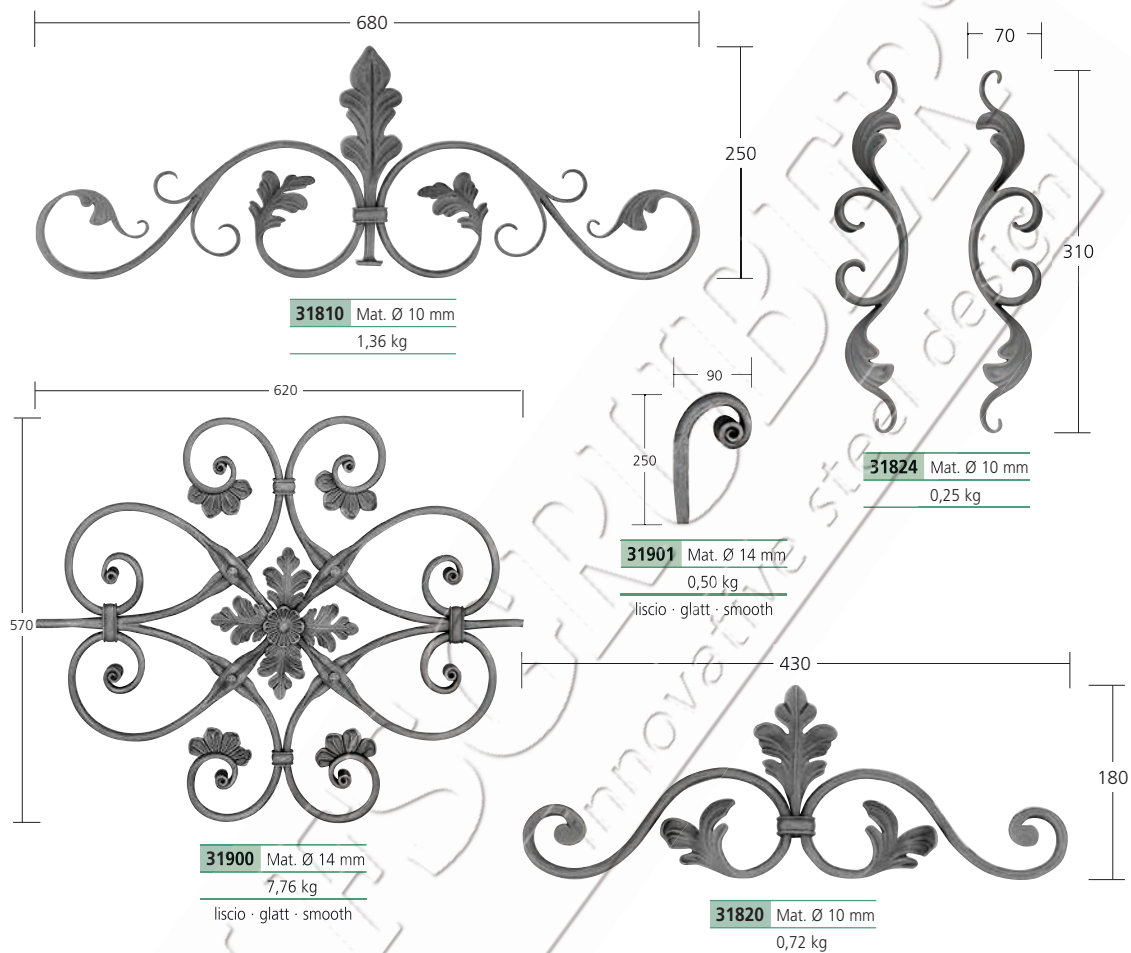


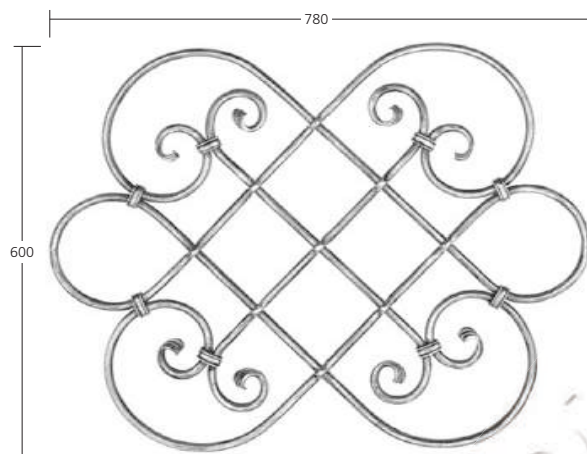
31650 Mat. 15x4 mm
0,10 kg



31640 Mat. 15x4 mm
0,06 kg

martellato · gehämmert · hammered

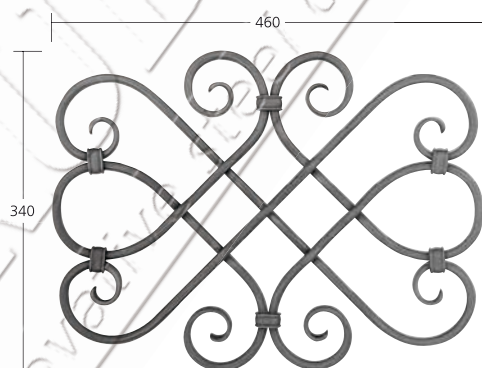




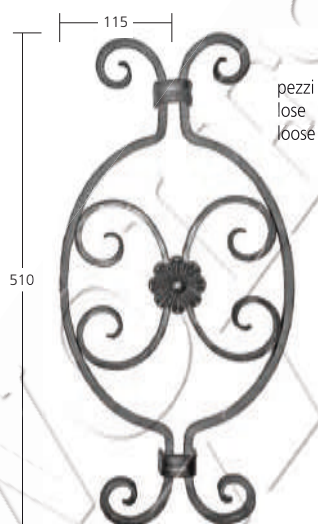
31920 Mat. Ø 12 mm
3,60 kg
liscio · glatt · smooth



81300 7,78 kg



31910 Mat. Ø 10 mm
2,60 kg
martellato · gehämmert · hammered



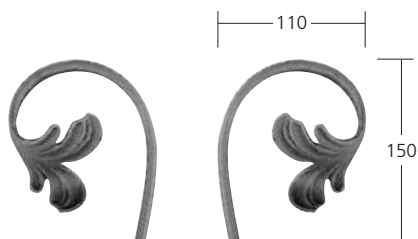
pezzi sciolti
lose
loose

31950 Mat. 14x6-8 mm
2,40 kg

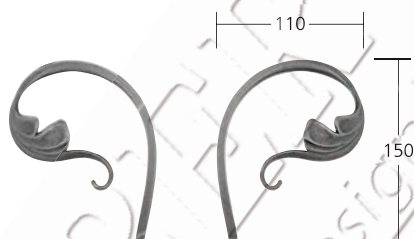
forgiato · geschmiedet · forged



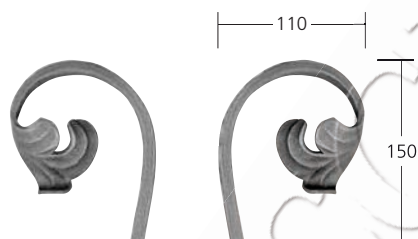
materiale piatto · Flachmaterial · flat material



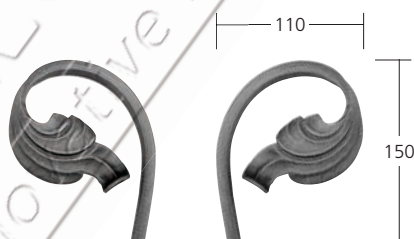
32010 Mat. 12x5 mm **32011**
0,20 kg



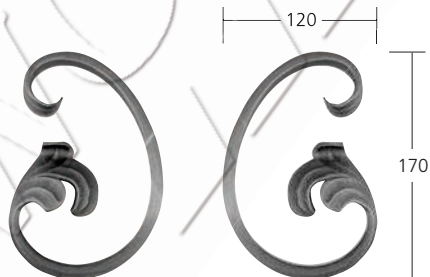
32020 Mat. 12x5 mm **32021**
0,16 kg



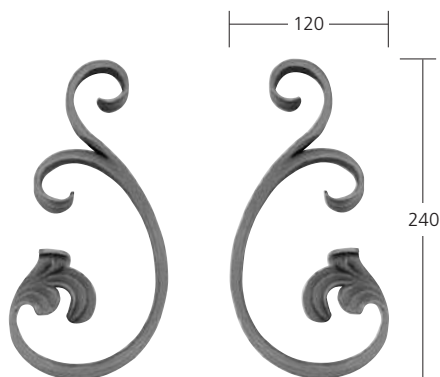
32210 Mat. 16x8 mm **32211**
0,34 kg



32212 Mat. 16x8 mm **32213**
0,38 kg

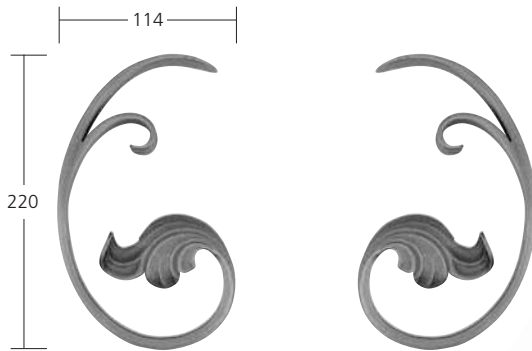


32214 Mat. 16x8 mm **32215**
0,40 kg



32216 Mat. 16x8 mm **32217**
0,54 kg

materiale piatto · Flachmaterial · flat material

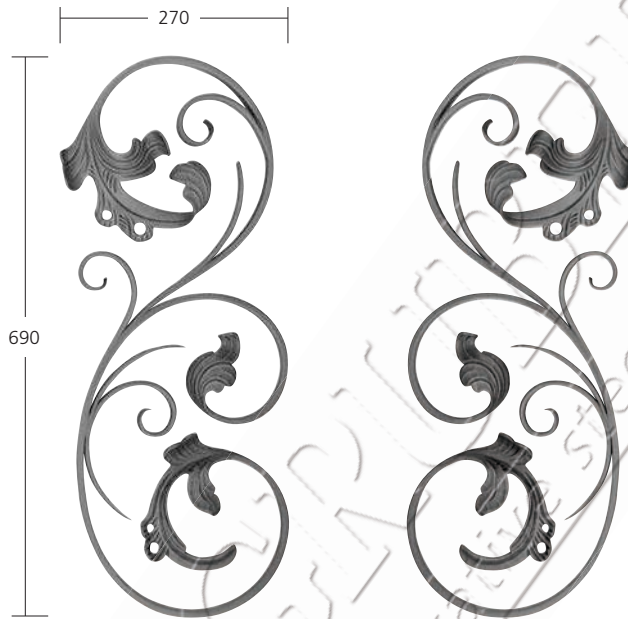


32230 Mat. 16x8 mm **32231**
0,60 kg

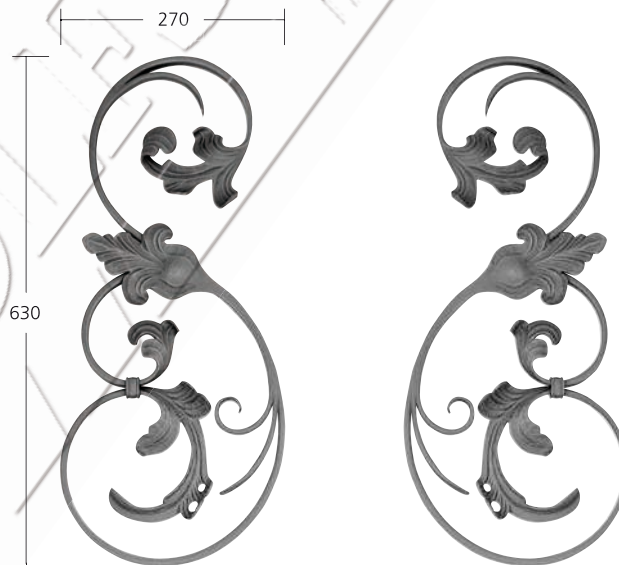


32234 Mat. 16x8 mm **32235**
1,50 kg

materiale piatto · Flachmaterial · flat material



32254 Mat. 16x8 mm **32255**
3,35 kg

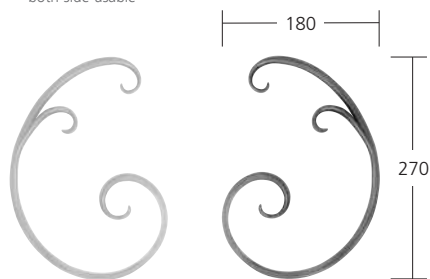


32258 Mat. 16x8 mm **32259**
2,86 kg

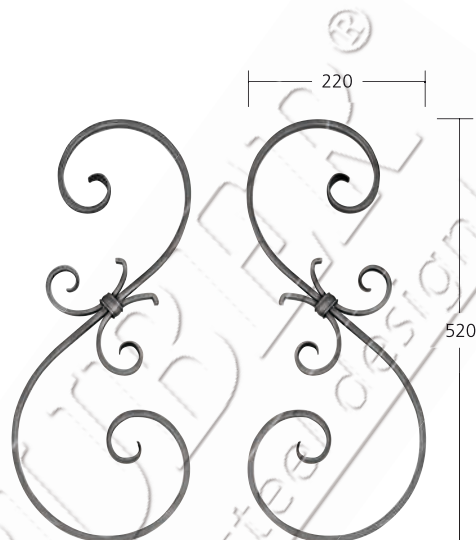


materiale piatto · Flachmaterial · flat material

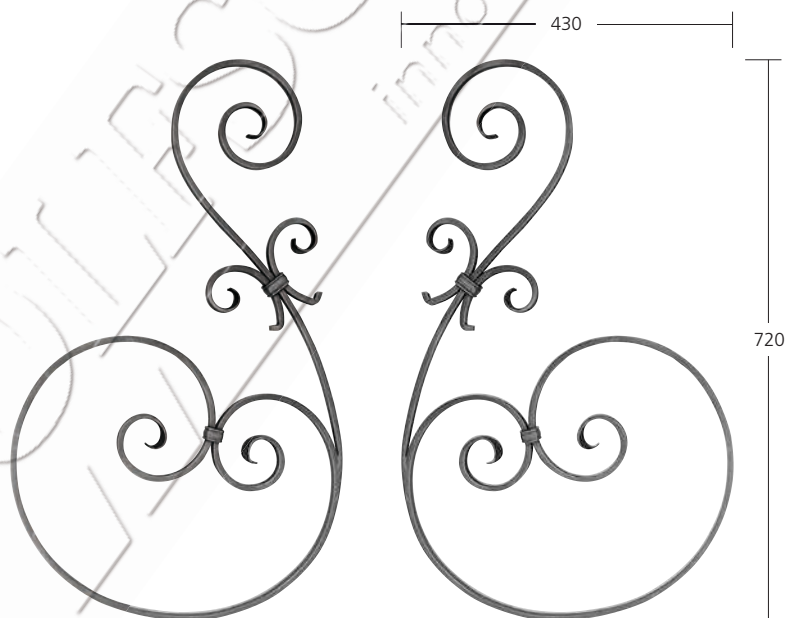
Usabile a due lati
Beidseitig verwendbar
both side usable



32410 Mat. 16x8 mm
0,78 kg



32414 Mat. 16x8 mm **32415**
1,66 kg

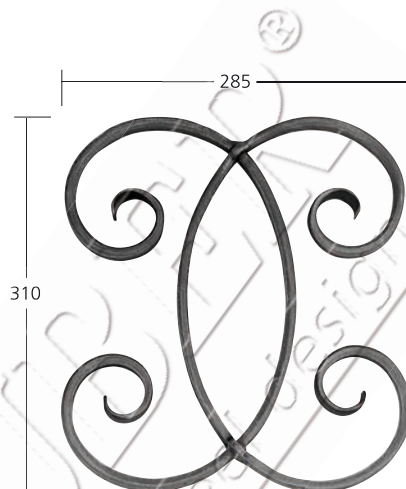


32418 Mat. 16x8 mm **32419**
3,40 kg



32430 Mat. 16x8 mm
0,95 kg

Usabile a due lati
Beidseitig verwendbar
both side usable

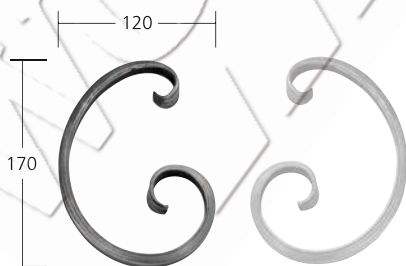


32424 Mat. 16x8 mm
1,86 kg



32434 Mat. 16x6 mm
0,38 kg

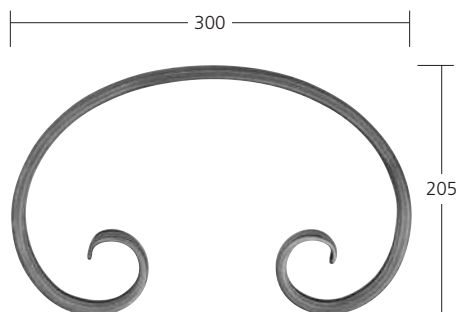
Usabile a due lati
Beidseitig verwendbar
both side usable



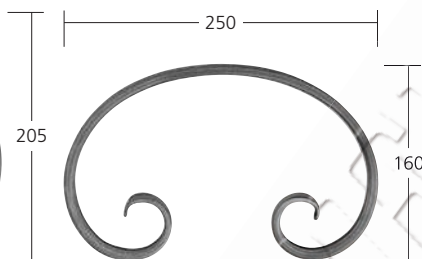
32438 Mat. 16x8 mm
0,46 kg

Usabile a due lati
Beidseitig verwendbar
both side usable

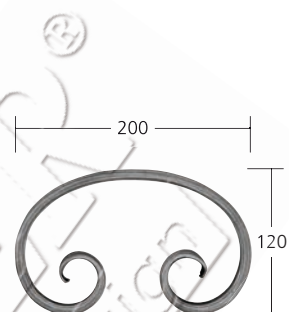




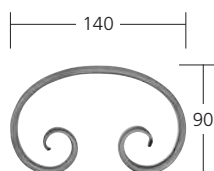
32450 Mat. 16x8 mm
1,00 kg



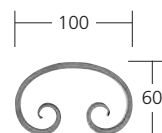
32452 Mat. 16x8 mm
0,68 kg



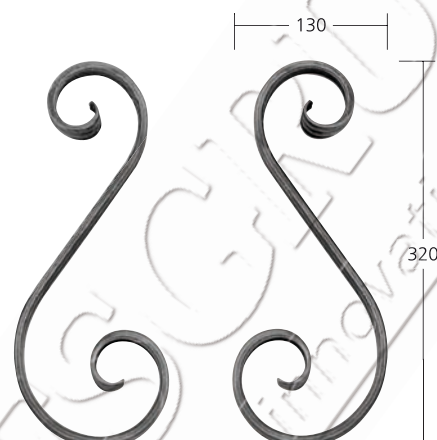
32454 Mat. 16x8 mm
0,60 kg



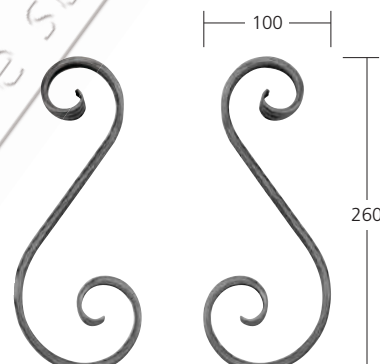
32456 Mat. 16x8 mm
0,38 kg



32458 Mat. 16x6 mm
0,16 kg

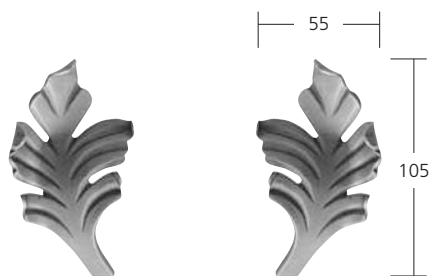


32460 Mat. 16x8 mm
0,58 kg

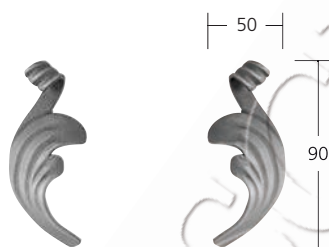


32462 Mat. 16x8 mm
0,70 kg





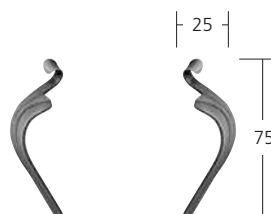
36010 Mat. 3 mm **36011**
0,08 kg



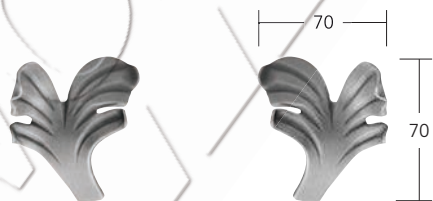
36014 Mat. 3 mm **36015**
0,06 kg



36012 Mat. 3 mm
0,08 kg



36016 Mat. 2,5 mm **36017**
0,04 kg

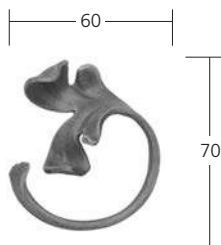


36018 Mat. 3 mm **36019**
0,06 kg

barocco leggero · Leichtbarock · light baroque



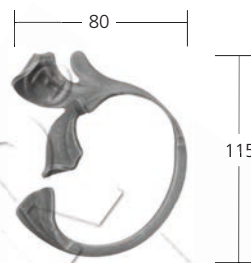
36110 Mat. 10x3 mm
0,04 kg



36111 Mat. 10x3 mm
0,04 kg



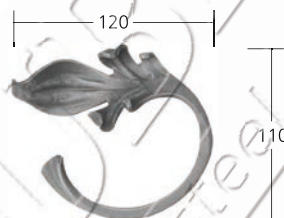
36112 Mat. 12x5 mm
0,11 kg



36113 Mat. 12x5 mm
0,11 kg



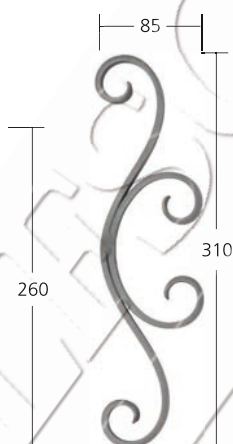
36114 Mat. 12x5 mm
0,15 kg



36115 Mat. 12x5 mm
0,15 kg



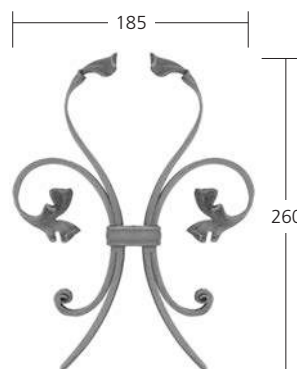
36120 Mat. 12x5 mm
0,70 kg



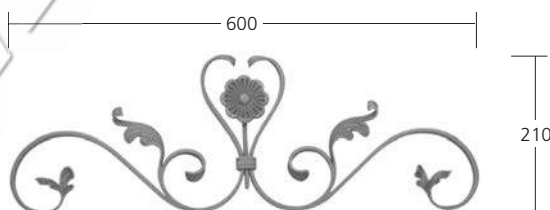
36121 Mat. 12x5 mm



36122 Mat. 12x5 mm
0,80 kg



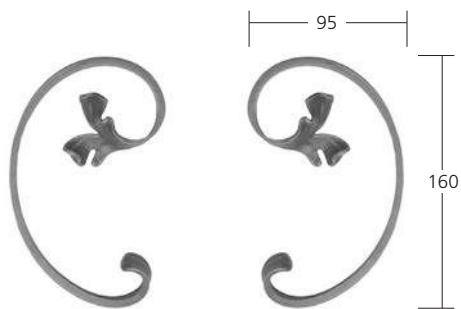
36124 Mat. 12x5 mm
0,62 kg



36126 Mat. 12x5 mm
1,10 kg

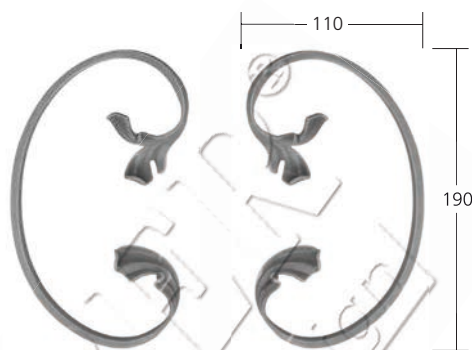


barocco leggero · Leichtbarock · light baroque



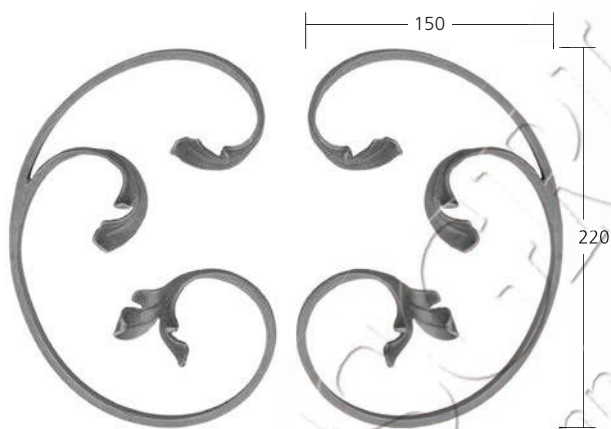
36140 Mat. 12x5 mm
0,17 kg

36141 Mat. 12x5 mm
0,17 kg



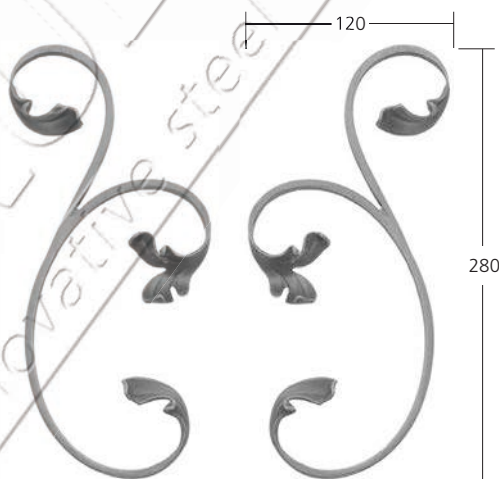
36142 Mat. 12x5 mm
0,20kg

36143 Mat. 12x5 mm
0,20 kg



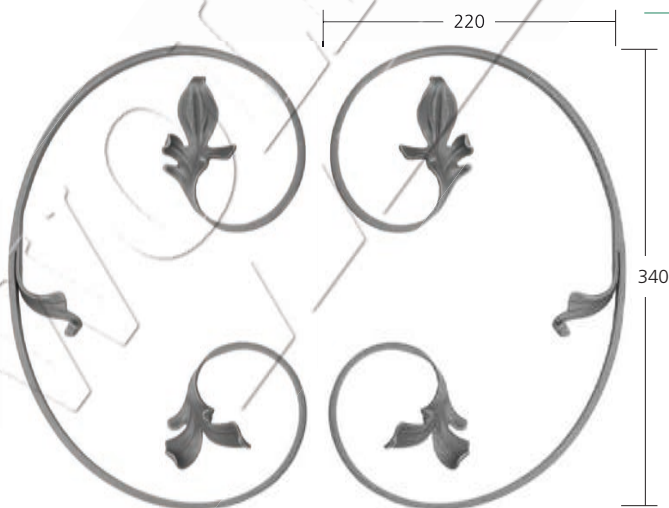
36146 Mat. 12x5 mm
0,32 kg

36147 Mat. 12x5 mm
0,32 kg



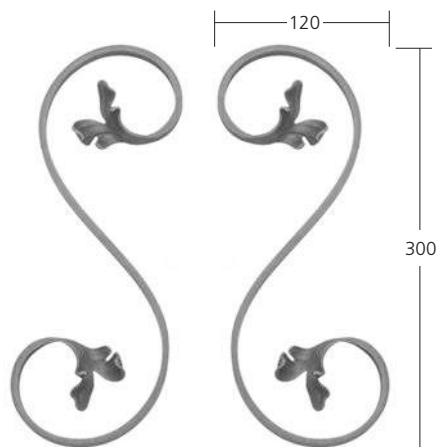
36148 Mat. 12x5 mm
0,30 kg

36149 Mat. 12x5 mm
0,30 kg



36150 Mat. 12x5 mm
0,54 kg

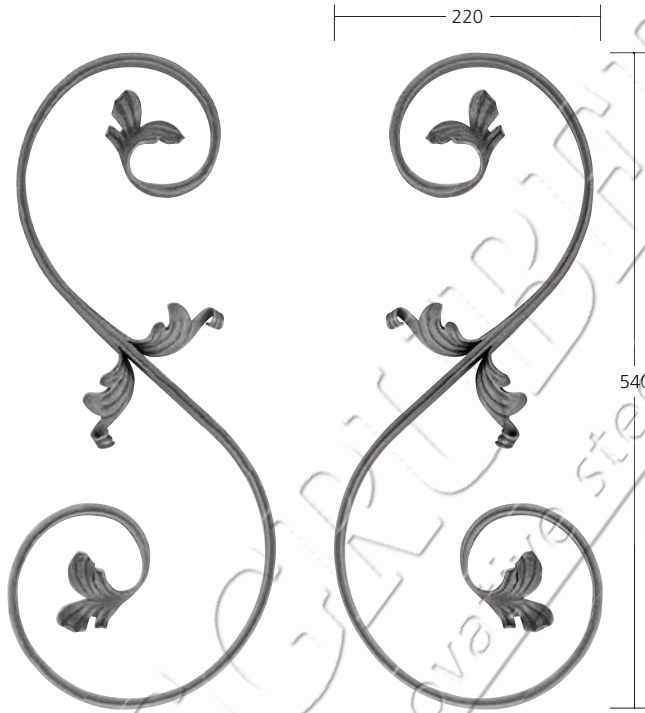
36151 Mat. 12x5 mm
0,54 kg



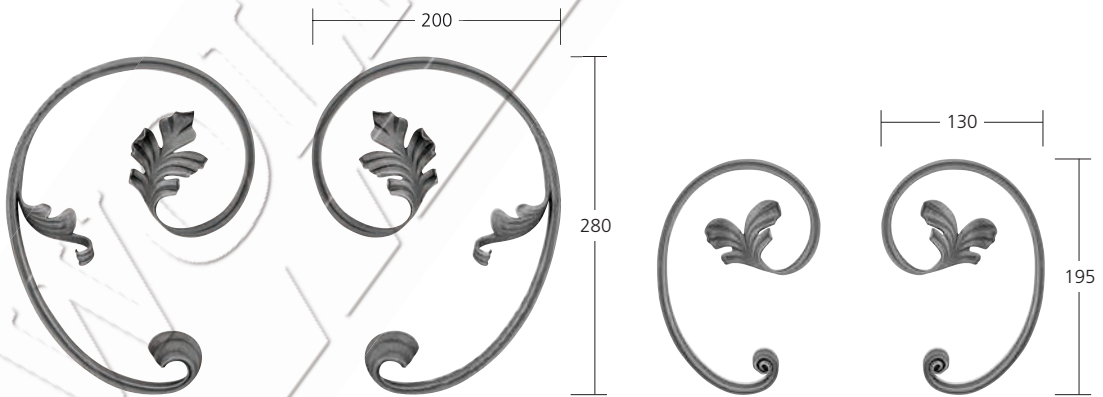
36152 Mat. 12x5 mm
0,31 kg

36153 Mat. 12x5 mm
0,31 kg

scanalato · gerillt · grooved



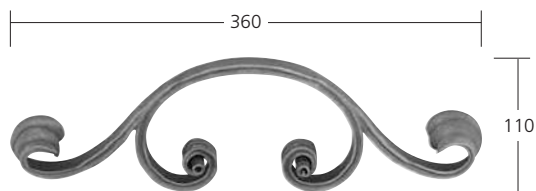
36210 Mat. 16X8 mm **36211**
1,40 kg



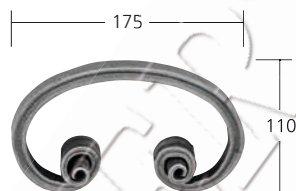
36220 Mat. 16X8 mm **36221**
0,80 kg

36230 Mat. 16X8 mm **36231**
0,50 kg

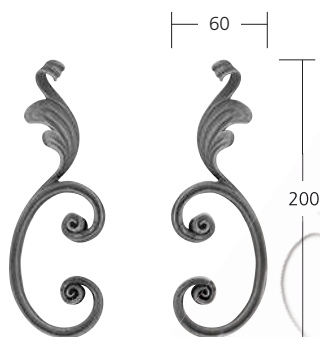
scanalato · gerillt · grooved



36450 Mat. 16x8 mm
0,80 kg



36452 Mat. 16x8 mm
0,50 kg



36460 Mat. 16X8 mm **36461**
0,35 kg



36462 Mat. 16x8 mm
0,34 kg



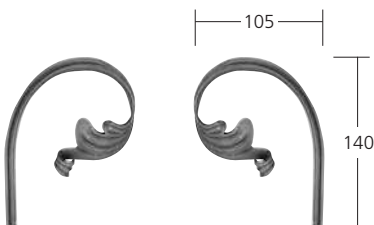
36510 Mat. 16X8 mm **36511**
0,28 kg



36514 Mat. 16X8 mm **36515**
0,25 kg



36530 Mat. 16x8 mm
0,30 kg

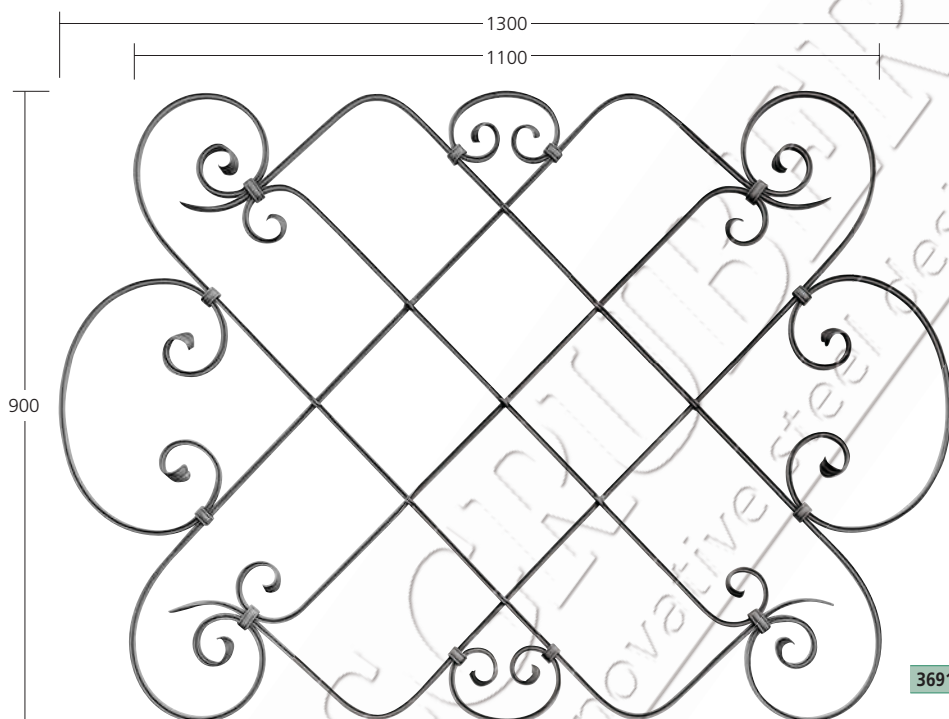


36518 Mat. 16X8 mm **36519**
0,25 kg

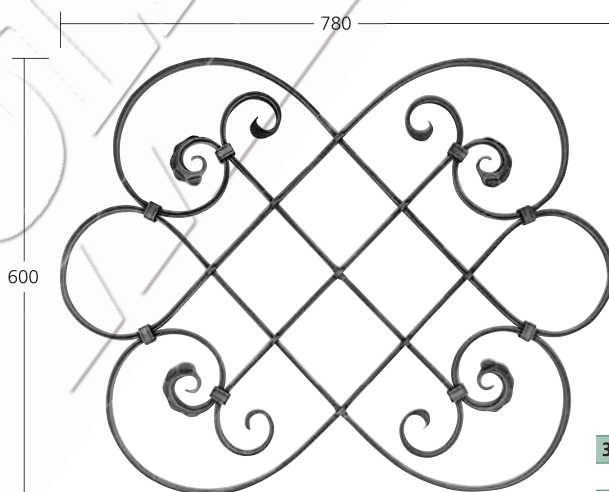


barocco antico · Schwerbarock · antique baroque

scanalato · gerillt · grooved

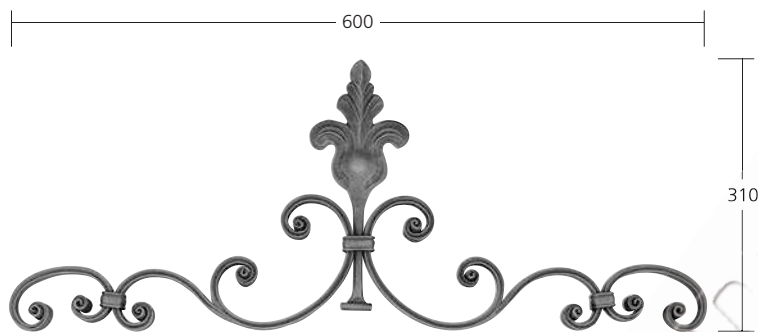


36910 Mat. 16x8 mm
13,20 kg

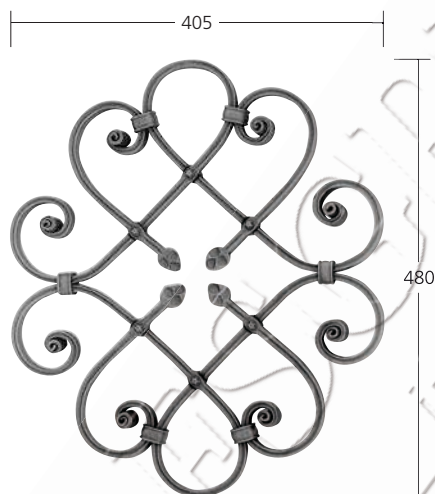


36920 Mat. 16x8 mm
7,40 kg

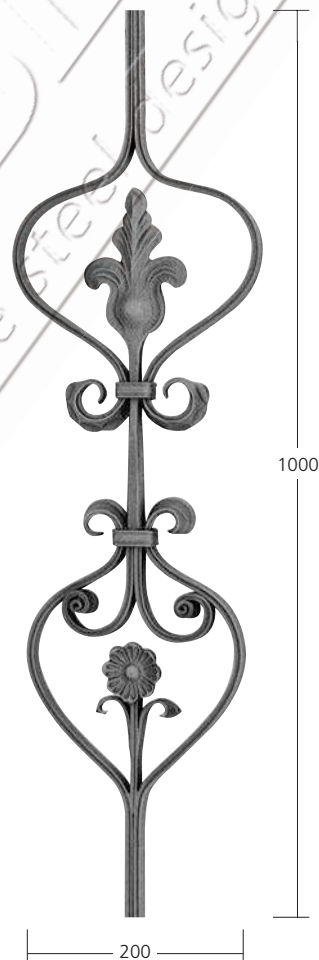
scanalato · gerillt · grooved



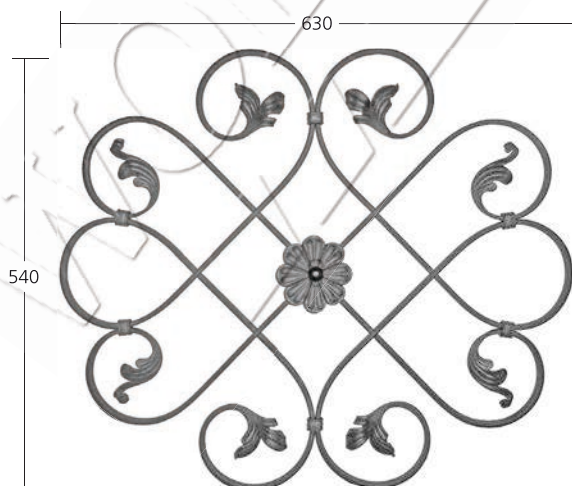
36960 Mat. 16x8 mm
2,27 kg



36930 Mat. 16x8 mm
4,00 kg

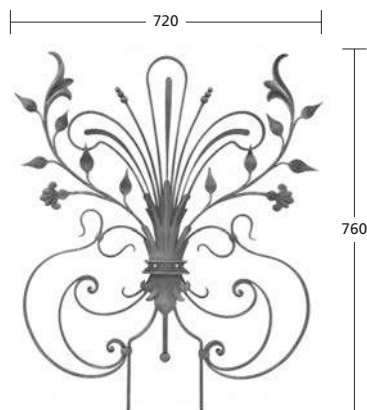


36980 Mat. 16x8 mm
3,60 kg

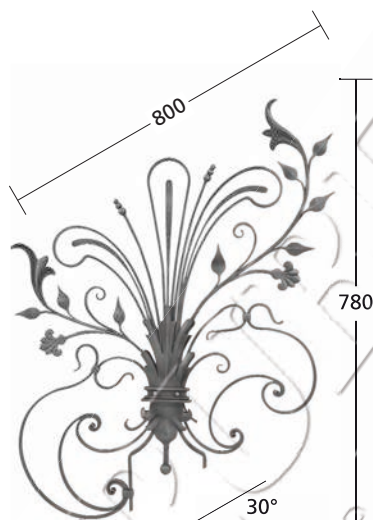


36940 Mat. 12x6 mm
2,9 kg

Linea
Trenta



37020 15x8 / 12x6 mm



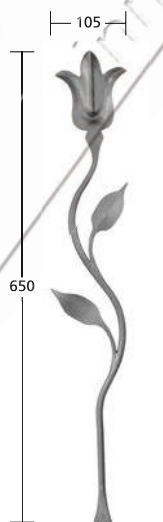
37022 15x8 / 12x6 mm



37023 15x8 / 12x6 mm



37110



37114 ø 10 mm



37115 12x6 mm



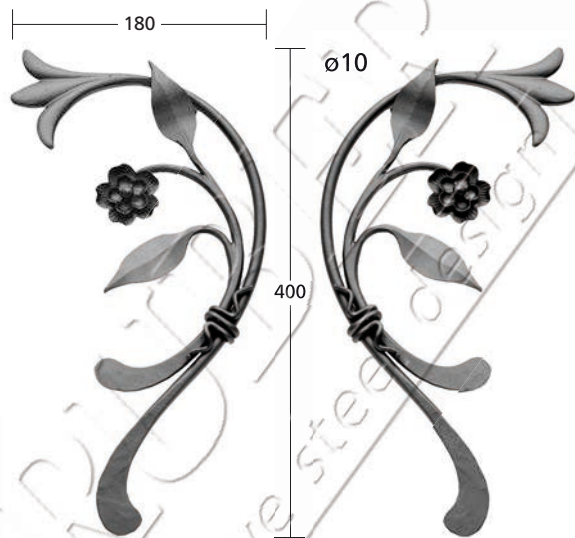
37116 12x6 mm



37130 12x6 mm

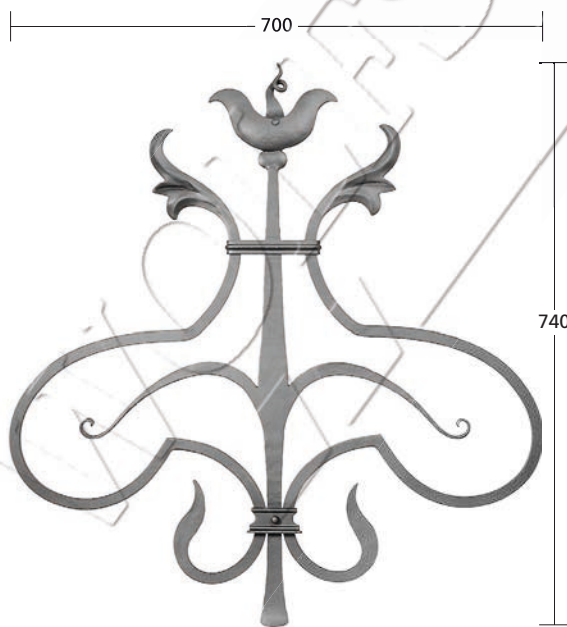


37132 12x6 mm



37140

37142

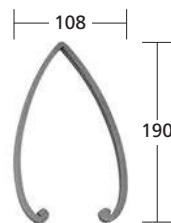


37120

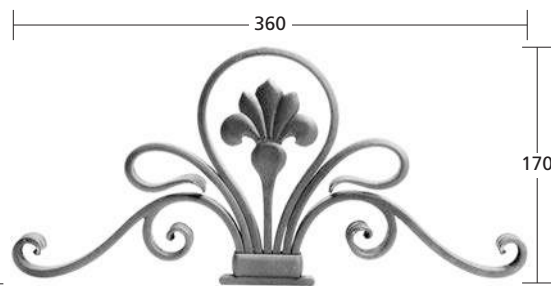


12 12 12 fascetta - Bund
x x x
6 12 6

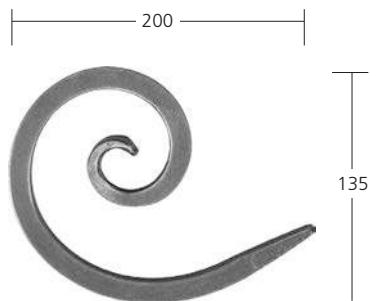
37152 16x3 mm



37150 12x6 mm



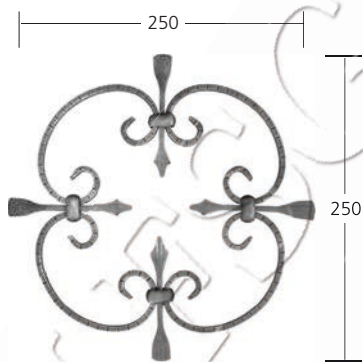
37125 12x6 mm



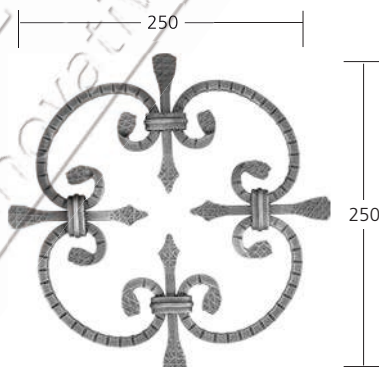
35710 Mat. 14x14



35720 Mat. 14x14



35820 Mat. 10x5



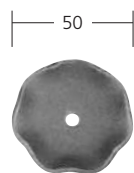
35810 Mat. 8x8

OGGETTI PICCOLI
KLEINTEILE
SMALL OBJECTS



WOLFSGRUBER

 innovative steel design



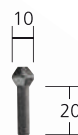
40010 Mat. 2 mm
0,03 kg
foro
Loch · hole Ø 5,5 mm



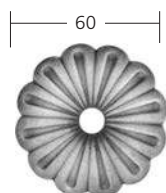
40020 Mat. 1 mm
0,02 kg
foro
Loch · hole Ø 5,5 mm



40030 Mat. 1 mm
0,01 kg
foro
Loch · hole Ø 5,5 mm



48500 Mat. Ø 5 mm
0,01 kg



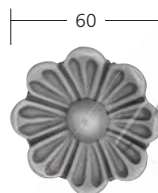
40060 Mat. 3 mm



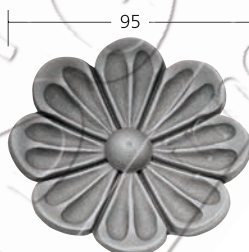
40065 Mat. 10 mm



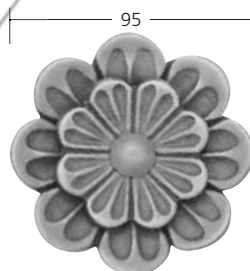
40090 Mat. 3 mm



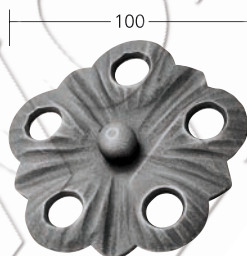
40106 Mat. 5 mm
0,10 kg



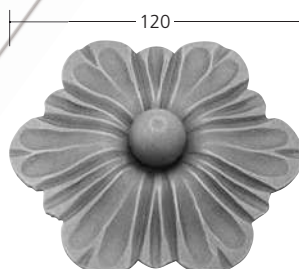
40110 Mat. 4 mm
0,20 kg



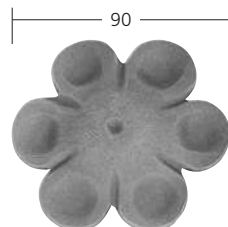
40116 Mat. 4 mm
0,20 kg



40120 Mat. 4 mm
0,20 kg



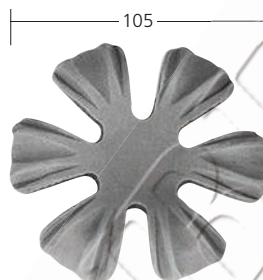
40125 Mat. 4 mm
0,32 kg



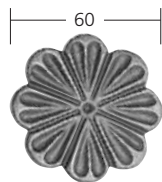
40130 Mat. 5 mm
0,24 kg



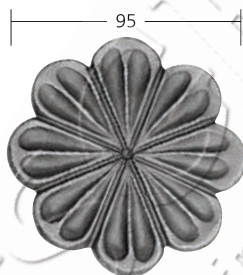
40135 Mat. 4 mm
0,24 kg



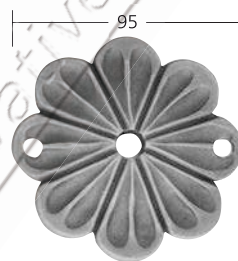
40140 Mat. 6 mm
0,26 kg



40206 Mat. 5 mm
0,08 kg



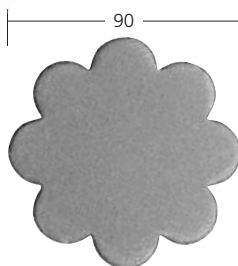
40210 Mat. 4 mm
0,18 kg



40220 Mat. 4 mm
0,17 kg
Foro
Loch · hole Ø 10,5-7 mm



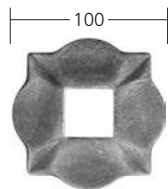
40306 Mat. 5 mm
0,08 kg



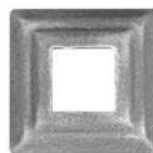
40310 Mat. 4 mm
0,18 kg



40670 Mat. 10 mm



40672 Mat. 10 mm



H = 20 mm

40682 Mat. 40x40 - \varnothing 12,5 mm

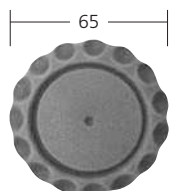
40684 Mat. 50x50 - \varnothing 20,5 mm

40685 Mat. 60x60 - \varnothing 25,5 mm

40686 Mat. 60x60 - \varnothing 30,5 mm

40687 Mat. 80x80 - \varnothing 30,5 mm

40688 Mat. 80x80 - \varnothing 40,5 mm



40640 Mat. 5 mm
0,12 kg



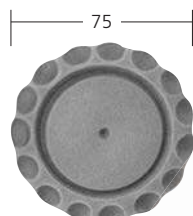
40642 Mat. 5 mm
0,11 kg
 \varnothing 12,5 mm



40645 Mat. 5 mm
0,10 kg



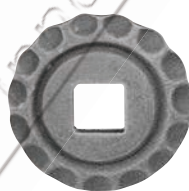
40647 Mat. 5 mm
0,09 kg
 \varnothing 12,5 mm



40650 Mat. 5 mm
0,15 kg



40654 Mat. 5 mm
0,14 kg
 \varnothing 16,5 mm



40656 Mat. 5 mm
0,13 kg
 \varnothing 20,5 mm



40658 Mat. 5 mm
0,12 kg
 \varnothing 25,5 mm



40660 Mat. 5 mm
0,16 kg



40664 Mat. 5 mm
0,15 kg
 \varnothing 16,5 mm



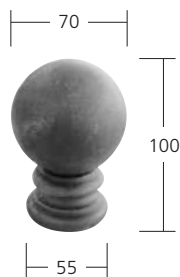
40666 Mat. 5 mm
0,14 kg
 \varnothing 20,5 mm



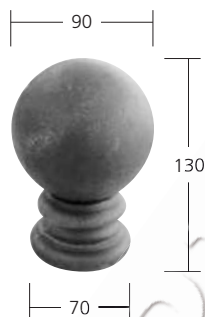
40668 Mat. 5 mm
0,13 kg
 \varnothing 25,5 mm



41012 0,95 kg



41014 1,85 kg



41016 3,70 kg



41018 5,50 kg



41024 0,80 kg



41028 6,40 kg



41032 0,60 kg



41034 1,70 kg



41038 5,30 kg



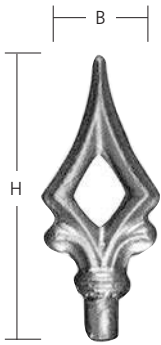
41042 0,50 kg



41044 0,90 kg



41048 5,50 kg



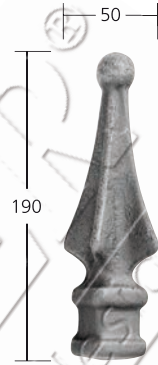
	Mat.	B	H
41301	Ø12	44	98
41302	Ø15	55	122



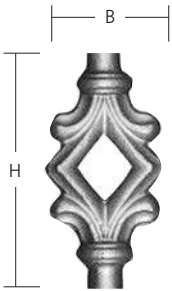
41314N Ø 20 mm
0,25 kg



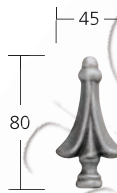
41316N Ø 32 mm
0,65 kg



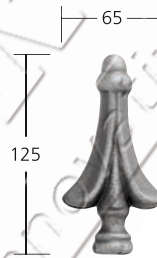
41318N Ø 41 mm
1,13 kg



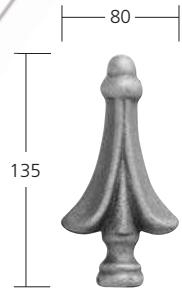
	Mat.	B	H
41320	Ø12	45	95
41321	Ø15	56	120



41322N Ø 19 mm
0,15 kg



41324N Ø 24 mm
0,35 kg



41326 Ø 36 mm
0,85 kg



41332 Ø 12 mm
0,16 kg



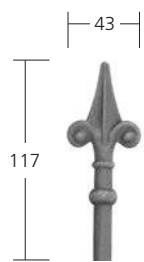
41334 Ø 18 mm
0,40 kg



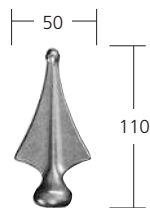
41344 Ø 30 mm
0,25 kg



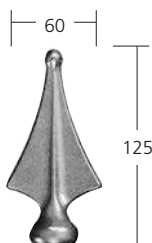
41346 Ø 33 mm
0,38 kg



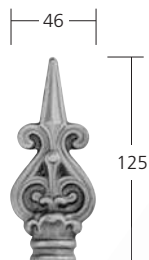
41330 Ø 10 mm
0,12 kg



41350 Ø 25 mm
0,16 kg



41352 Ø 31 mm
0,24 kg



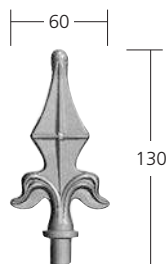
41354 Ø 25 mm
0,32 kg



41356 Ø 30 mm
0,52 kg



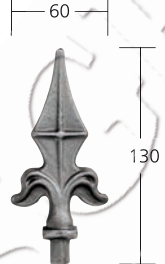
41358 Ø 40 mm
0,96 kg



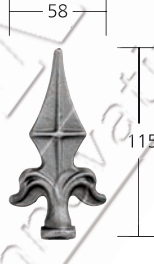
41360 Ø 11 mm
0,17 kg



41362 Ø 16 mm
0,33 kg



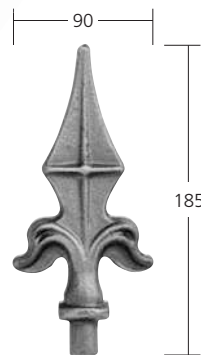
41364N Ø 12 mm
0,16 kg



41365N Ø 20 mm
0,15 kg



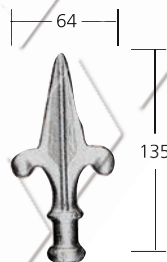
41366N Ø 17 mm
0,32 kg



41368 Ø 19 mm
0,50 kg



41370 Ø 21 mm
0,16 kg



41372 Ø 24 mm
0,25 kg



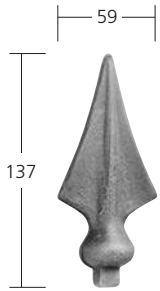
41374 Ø 12 mm
0,14 kg



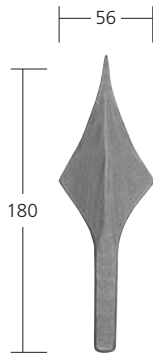
41376 Ø 16 mm
0,30 kg



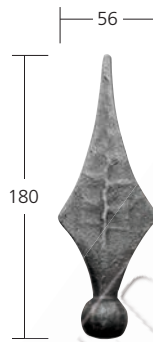
41378 Ø 20 mm
0,45 kg



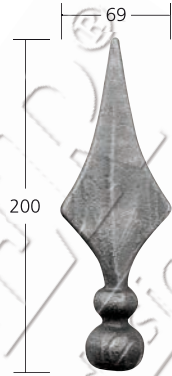
41414 \square 14 mm
0,30 kg



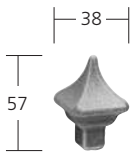
41424 \square 14 mm
0,26 kg



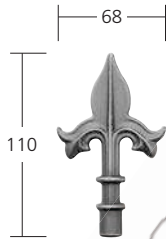
41434 \varnothing 29 mm
0,38 kg



41446 \varnothing 34 mm
0,58 kg



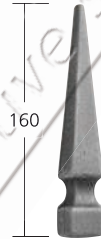
41452 \square 15 mm
0,18 kg



41464 \varnothing 12 mm
0,12 kg



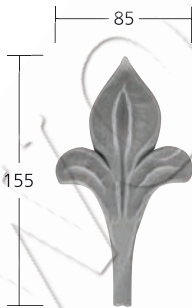
41466 \varnothing 16 mm
0,22 kg



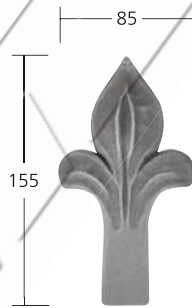
41476 \square 24 mm
0,30 kg



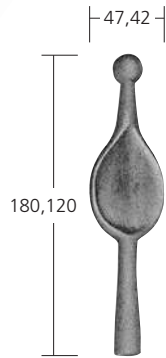
41477 \square 40 mm
1,04 kg



30226 \varnothing 12 mm
0,18 kg



30227 \square 30x4 mm
0,18 kg



Mat.
41486 \varnothing 12-16 mm 0,28 kg
41487 \square 12x13 mm 0,12 kg



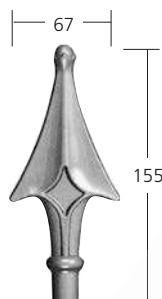
41498 \varnothing 12 mm
0,18 kg



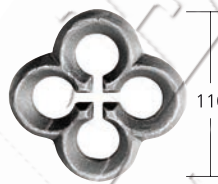
	h	∅
41512	100	20x20
41514	125	25x25
41516	135	32x32
41517	150	40x40



41525 ∅18X20 mm



41536 ∅ 16 mm
0,34 kg

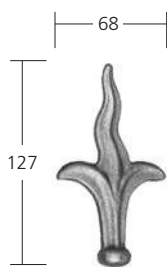


41560 Mat. 14 mm
0,42 kg



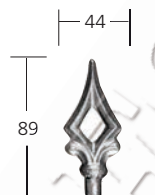
41510 ∅12mm
0,25 kg

lance con foro · Zaunspitzen mit Bohrung · spears with hole



↑ foro
Bohrung
hole
∅ 12,5

41565



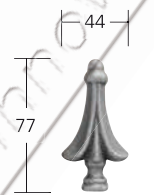
↑ foro
Bohrung
hole
∅ 12,5

41300



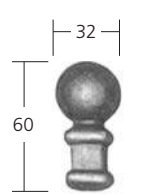
↑ foro
Bohrung
hole
∅ 12,5

41315



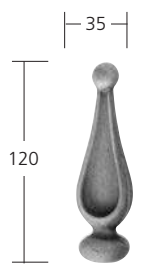
↑ foro
Bohrung
hole
∅ 12,5

41323N



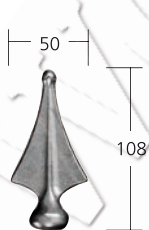
↑ foro
Bohrung
hole
∅ 12,5

41333



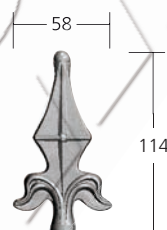
↑ foro
Bohrung
hole
∅ 12,5

41345



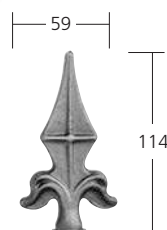
↑ foro
Bohrung
hole
∅ 12,5

41351



↑ foro
Bohrung
hole
∅ 12,5

41361



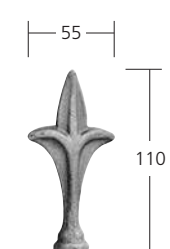
↑ foro
Bohrung
hole
∅ 12,5

41363N



↑ foro
Bohrung
hole
∅ 12,5

41371



↑ foro
Bohrung
hole
∅ 12,5

41375



41610 \varnothing 25 mm
1,96 kg



41625 \varnothing 20 mm
0,96 kg



41630 \varnothing 25 mm
0,92 kg



41635 \varnothing 25 mm
0,58 kg



41640 \varnothing 14 mm
0,56 kg



41645 \varnothing 16 mm
1,22 kg



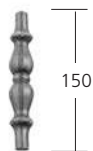
41655 \varnothing 14 mm
0,42 kg



41660 \varnothing 14 mm
0,33 kg



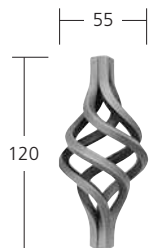
41665 \varnothing 13 mm
0,30 kg



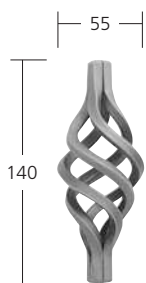
41670 \varnothing 12 mm
0,31 kg



41675 \varnothing 14 mm
0,52 kg



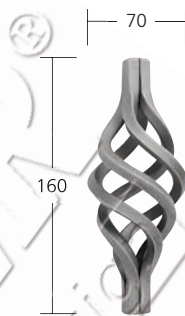
42112 \varnothing 12 mm
0,18 kg



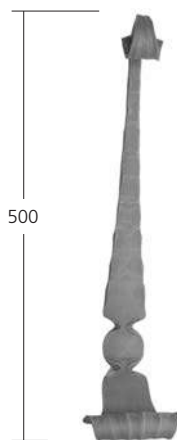
42113 \varnothing 12 mm
0,20 kg



42114 \varnothing 14 mm
0,33 kg



42116 \varnothing 16 mm
0,42 kg



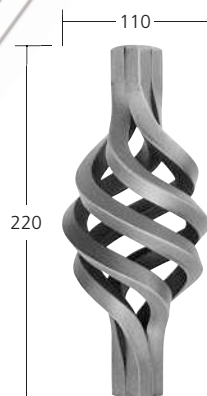
42252 Mat. 10 mm
2,10 kg



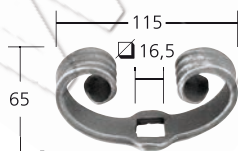
42250 Mat. 10 mm
1,60 kg



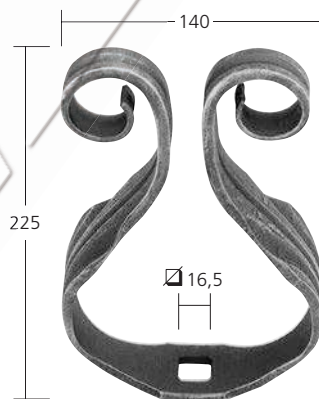
42120 \varnothing 20 mm
0,84 kg



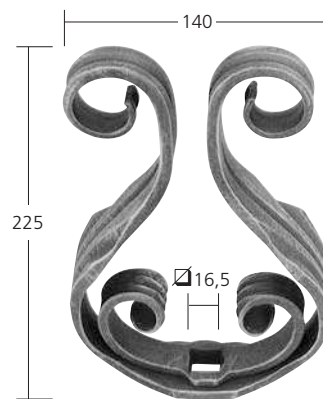
42124 \varnothing 24 mm
1,30 kg



42210 Mat. 20x6 mm
0,26 kg



42220 Mat. 40x8 mm
0,98 kg



42230 Mat. 40x8 mm
1,24 kg



foro
Loch
hole

43112	∅ 12,5 mm	0,18 kg
43113	∅ 12,5 mm	0,18 kg
43114	∅ 14,5 mm	0,18 kg



foro
Loch
hole

43122	∅ 12,5 mm	0,21 kg
43123	∅ 12,5 mm	0,25 kg
43124	∅ 14,5 mm	0,25 kg
43126	∅ 16,5 mm	0,16 kg



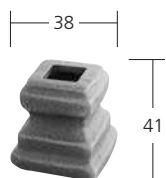
foro
Loch
hole

43215	∅ 14,5 mm	0,22 kg
43214	∅ 14,5 mm	0,22 kg
43216	∅ 16,5 mm	0,21 kg



foro
Loch
hole

43225	∅ 14,5 mm	0,30 kg
43224	∅ 14,5 mm	0,30 kg
43226	∅ 16,5 mm	0,30 kg
43227	∅ 16,5 mm	0,22 kg



43315 0,31 kg
foro
Loch - hole ∅ 14,5 mm



43325 0,42 kg
foro
Loch - hole ∅ 14,5 mm



43417 0,34 kg
foro
Loch - hole ∅ 16,5 mm



43427 0,70 kg
foro
Loch - hole ∅ 16,5 mm



foro
Loch
hole

43514	∅ 14,5 mm	0,25 kg
43516	∅ 16,5 mm	0,24 kg
43515	∅ 14,5 mm	0,25 kg
43517	∅ 16,5 mm	0,24 kg



43614 0,20 kg
foro
Loch - hole ∅ 14,5 mm



foro
Loch
hole

43713	∅ 12,5 mm	0,23 kg
43714	∅ 14,5 mm	0,23 kg



foro
Loch
hole

43723	∅ 12,5 mm	0,39 kg
43724	∅ 14,5 mm	0,44 kg



BORCHIE · ZIERHÜLSEN · ENVELOPING BODIES

tornito · gedreht · turned



foro
Loch
hole

B H

43813	∅12,5 mm	33	22	0,10 kg
43815	∅14,5 mm	38	22	0,12 kg



foro
Loch
hole

43832	∅ 12,5 mm	0,08 kg
43833	∅ 12,5 mm	0,08 kg
43834	∅ 14,5 mm	0,08 kg
43836	∅ 14,5 mm	0,07 kg



foro
Loch
hole

43822	∅ 12,5 mm	0,13 kg
43824	∅ 14,5 mm	0,12 kg

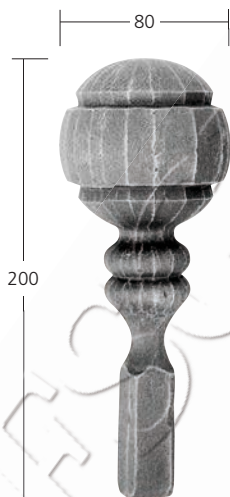


43838	0,58 kg
foro Loch · hole	∅ 25,4 mm

terminali a sfera · Geländerkugeln · railing balls



ART.	FORO LOCH HOLE	KG
43860	∅12,2 mm	0,75



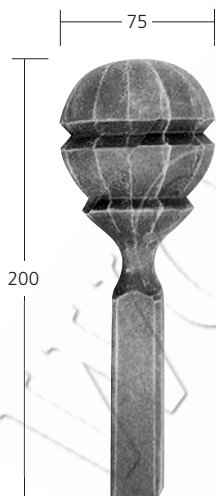
44020	∅25 mm	2,82 kg
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44032	2,10 kg
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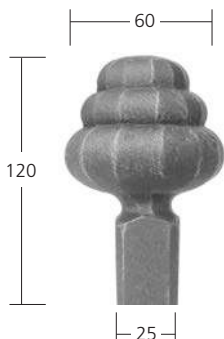
44036	1,86 kg
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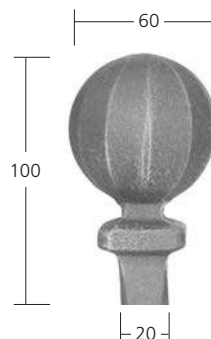
44010	∅25 mm	2,46 kg
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44030	0,74 kg
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44034	0,94 kg
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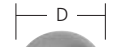
44038	1,00 kg
--------------	---------



	per tubi (pollici) für Rohre (Zoll) for tubes (inches)	spessore Stärke thickness	
44112	1"	2,0 mm	0,14 kg
44114	1 1/4"	2,0 mm	0,18 kg
44116	1 1/2"	2,0 mm	0,20 kg
44117	1 3/4"	2,0 mm	0,28 kg
44118	2"	2,0 mm	0,35 kg



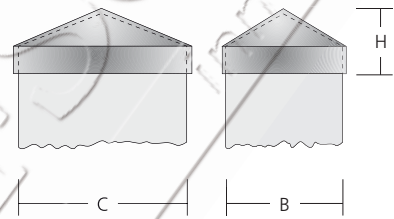
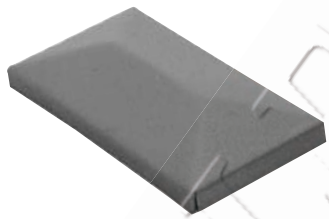
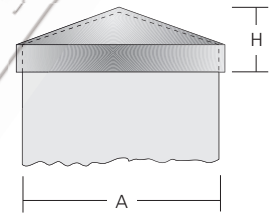
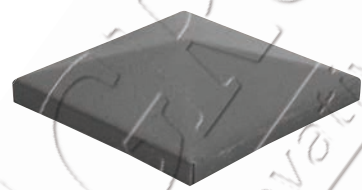
	per tubi für Rohre for tubes
44144	40x40x2
44145	50x50x2
44146	60x60x2
44147	80x80x2



	per tubi (pollici) für Rohre (Zoll) for tubes (inches)	spessore Stärke thickness	D	
44122	1"	2,0 mm	40	0,20 kg
44124	1 1/4"	2,0 mm	45	0,25 kg
44126	1 1/2"	2,0 mm	50	0,32 kg
44127	1 3/4"	2,0 mm	55	0,40 kg
44128	2"	2,0 mm	60	0,48 kg

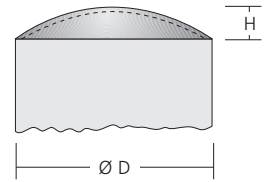
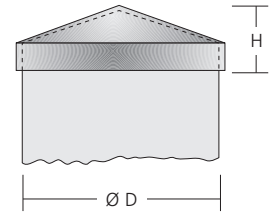
copripilastri · Abdeckkappen · pillar covers

	A mm	H mm	
44230	30	12	0,02 kg
44240	40	13	0,03 kg
44250	50	15	0,06 kg
44260	60	16	0,08 kg
44280	80	19	0,13 kg
44290	100	22	0,18 kg
44292	120	23	0,21 kg



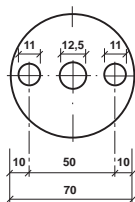
	BxC mm	H mm	
44323	20x30	12	0,01 kg
44324	20x40	12	0,02 kg
44335	30x50	14	0,04 kg
44336	30x60	14	0,04 kg
44346	40x60	16	0,06 kg
44348	40x80	16	0,06 kg
44351	50x100	18	0,10 kg

	Ø D mm	tubo Rohr tubes	H mm	
44430	30		19	0,02 kg
44433	33	1"	19	0,02 kg
44442	42	1 1/4"	22	0,03 kg
44448	48	1 1/2"	28	0,05 kg
44460	60	2"	27	0,06 kg
44476	76	2 1/2"	29	0,11 kg
44489	89	3"	27	0,12 kg
44491	101	3 1/2"	28	0,14 kg
44494	114	4"	29	0,18 kg

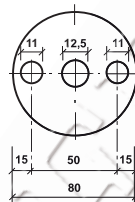


	Ø D mm	tubo Rohr tubes	H mm	
44533	33	1"	6	0,01 kg
44542	42	1 1/4"	7	0,02 kg
44548	48	1 1/2"	8	0,03 kg
44552	52	1 3/4"	8	0,03 kg
44560	60	2"	9	0,04 kg

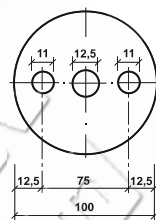
spessore · Stärke · thickness: 6 mm



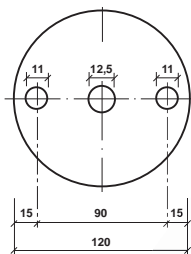
45070 0,17 kg



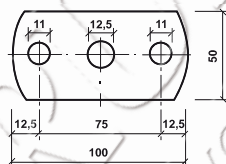
45080 0,22 kg



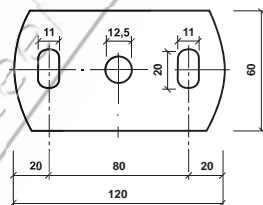
45100 0,34 kg



45120 0,51 kg

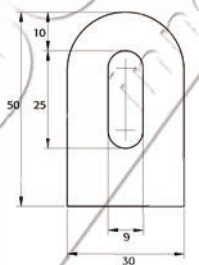


45200 0,21 kg

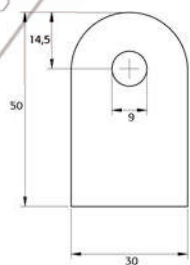


45220 0,28 kg

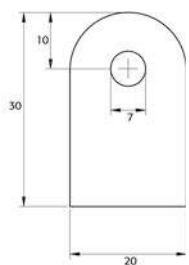
attacchi per saldare grezzi
Anschweißblaschen roh
welding latches raw



54305 Mat. 6 mm

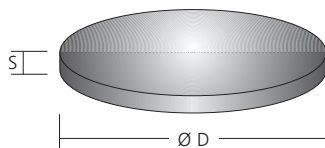


54306 Mat. 6 mm



54307 Mat. 5 mm

rondelle · Ronden · washers

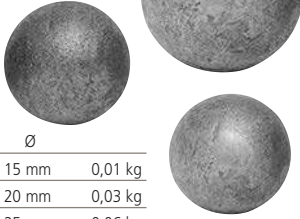


Ø D mm S mm

45333	33	4	0,02 kg
45335	35	4	0,03 kg
45340	40	4	0,04 kg
45342	42	4	0,04 kg
45345	45	4	0,05 kg
45348	48	4	0,05 kg
45350	50	4	0,06 kg
45352	52	4	0,06 kg
45360	60	4	0,08 kg
45370	70	6	0,18 kg
45380	80	6	0,23 kg
45390	100	6	0,36 kg
45392	120	6	0,53 kg



sfere piene
Vollkugeln
solid spheres



	Ø	
45515	15 mm	0,01 kg
45520	20 mm	0,03 kg
45525	25 mm	0,06 kg
45530	30 mm	0,12 kg
45535	35 mm	0,17 kg
45540	40 mm	0,27 kg
45550	50 mm	0,50 kg
45560	60 mm	0,91 kg
45570	70 mm	1,97 kg
45580	80 mm	2,16 kg



sfere con foro cieco
Kugeln mit Sackloch
balls with blind hole

	Mat.	foro Loch hole
43918	Ø20	Ø8,3
43928	Ø25	Ø12,3
43933	Ø30	Ø12,3
43938	Ø35	Ø12,3
43939	Ø35	Ø14,3

borchie con foro passante
Zierhülsen mit Durchgangsbohrung
enveloping bodies with a hole



	Mat.	foro Loch hole
43925	Ø25	Ø12,3
43930	Ø30	Ø12,3
43935	Ø35	Ø12,3
43936	Ø35	Ø14,3

sfere cave
Hohlkugeln
hollow spheres



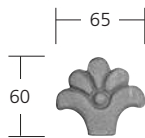
	Ø	
45750	50 mm	0,11 kg
45760	60 mm	0,18 kg
45770	70 mm	0,29 kg
45780	80 mm	0,35 kg
45790	100 mm	0,57 kg
45792	120 mm	1,01 kg
45794	150 mm	1,20 kg
45796	200 mm	1,80 kg

mezze sfere cave
Halbkugeln
hollow hemispheres

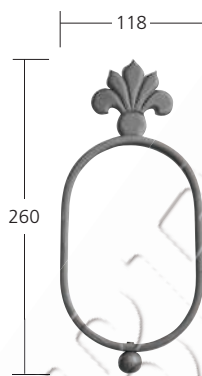
	Ø	
45834	33,7 mm	0,03 kg
45842	42,4 mm	0,04 kg
45848	48,3 mm	0,05 kg
45850	50 mm	0,06 kg
45860	60 mm	0,09 kg
45870	70 mm	0,14 kg
45880	80 mm	0,18 kg
45890	100 mm	0,29 kg
45892	120 mm	0,51 kg



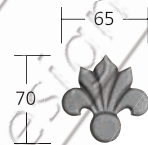
46010 Mat. 12x5 mm
0,36 kg



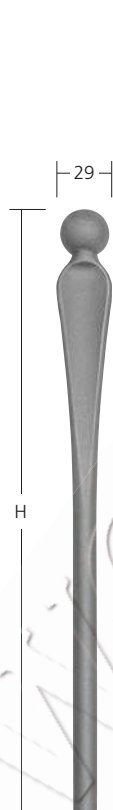
46012 Mat. 6 mm
0,10 kg



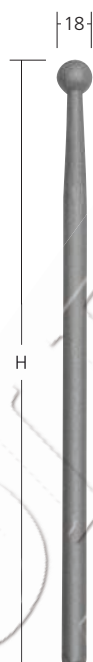
46020 Mat. 14x6 mm
0,44 kg



46022 Mat. 6 mm
0,10 kg



	Mat.	Ø	H	kg
46030	12 mm	12 mm	500 mm	0,49
46032	12 mm	12 mm	1000 mm	0,93



	Mat.	Ø	H	kg
46035	12 mm	12 mm	500 mm	0,45
46037	12 mm	12 mm	1000 mm	0,89

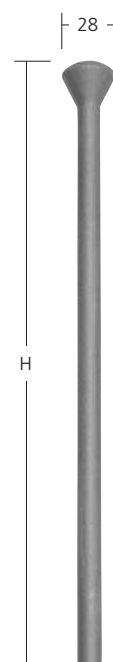


Ø 12 mm

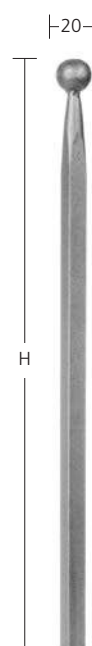
46038	H: 500 mm
46039	H: 1000 mm



	Mat.	Ø	H	kg
46040	12 mm	12 mm	500 mm	0,49
46042	12 mm	12 mm	1000 mm	0,93

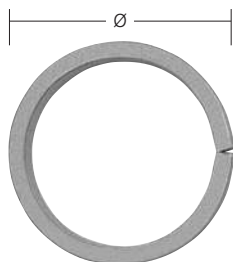




	Mat.	Ø	H	kg
46045	12 mm	12 mm	500 mm	0,43
46047	12 mm	12 mm	1000 mm	0,87



Ø 12 mm

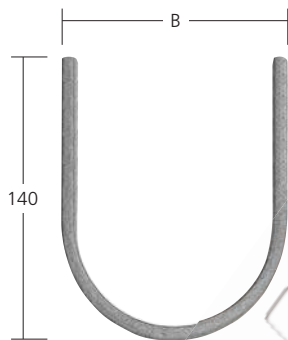
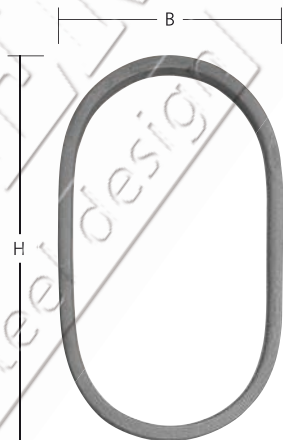
46050	H: 500 mm
46052	H: 1000 mm



	Ø mm	Mat. mm	
46350	118	12x5	0,17 kg
46310	108	12x5	0,15 kg
46312	100	12x6	0,14 kg
46314	120	12x6	0,17 kg
46374	100	12x12	0,24 kg
46373	110	12x12	0,26 kg
46375	118	12x12	0,28 kg
46315	100	14x6	0,19 kg
46355	118	14x6	0,23 kg
36530	100	 16x8	0,27 kg
36535	120	 16x8	0,33 kg
46325	108	Ø 12	0,28 kg
46326	110	Ø 12	0,29 kg
46365	118	Ø 12	0,31 kg

cerchi ovali · Ovale Ringe · oval circles

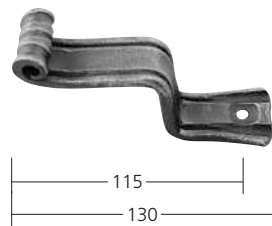
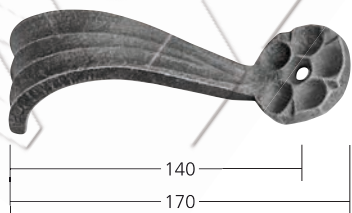
	B mm	H mm	Mat. mm	
46410	108	160	12x5	0,20 kg
46415	100	160	14x6	0,27 kg
46425	108	160	Ø 12	0,36 kg
46450	118	180	12x5	0,22 kg
46455	118	180	14x6	0,31 kg
46465	118	180	Ø 12	0,40 kg



semicerchi · Halbringe · half rings

	B mm	Mat. mm	
46510	108	12x5	0,15 kg
46515	100	14x6	0,21 kg
46525	108	Ø 12	0,28 kg
46550	118	12x5	0,16 kg
46555	118	14x6	0,23 kg
46565	118	Ø 12	0,30 kg

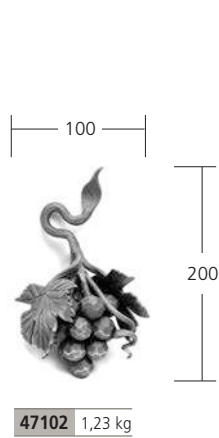
sostegni inferriata · Fenstergitterhalter · iron window bar holder



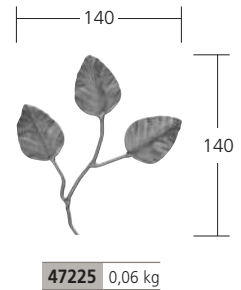
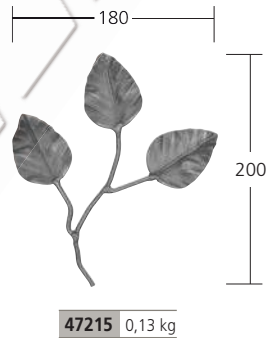
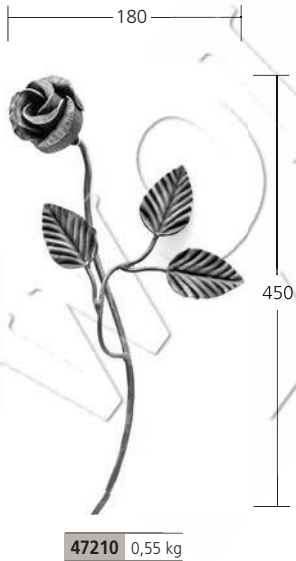
48010 Mat. 10 mm
0,50 kg

48015 Mat. 6 mm
0,22 kg

48020 Mat. 7 mm
0,30 kg



rose · Rosen · roses



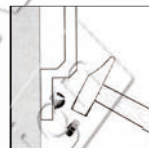
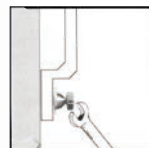


zincate · verzinkt · galvanized

tassello in nylon per murature forate
Nylandübel für Hohlraummauern
dowl of nylon for hollow walls



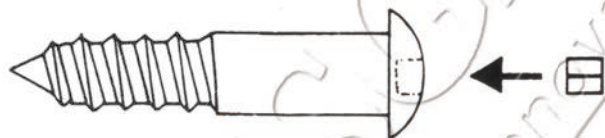
48110 Mat. M8x95 mm
0,05 kg



tassello in acciaio per murature compatte
Stahldübel für Betonmauern
dowl of steel for concrete walls



48120 Mat. M8x95 mm
0,06 kg



perno esagonale
Sechskantbolzen
hexagon bolts

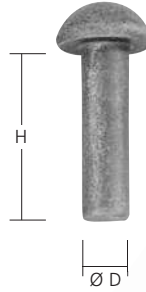


lunghezza
Länge
length

48220	Ø 8	70 mm	0,02 kg
48230	Ø 8	90 mm	0,03 kg
48240	Ø 10	80 mm	0,04 kg
48250	Ø 10	100 mm	0,05 kg
48260	Ø 10	130 mm	0,06 kg

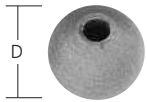


48500 Mat. Ø 5 mm
0,01 kg



	Ø D mm	H mm	pezzi/kg St./kg pieces/kg
48545	6	25	115
48546	6	30	102
48548	6	40	85
48554	8	20	64
48555	8	25	56
48556	8	30	51
48558	8	40	43
48565	10	25	47
48566	10	30	41
48568	10	40	33

sfere ribattibili
Annietkugeln
spheres to be rivetted



	Ø D mm	foro Loch hole
48713	13	6
48716	16	6
48719	19	6
48722	22	6

perni a sfera
Kugelpopfbolzen
ball end pins



	Ø D mm	Ø d mm	H mm
48810	10	5	30
48813	13	5,5	60
48816	16	5,5	65
48819	19	5,5	70
48822	22	5,5	70

WOLFGANG GRUBER®

innovative steel design

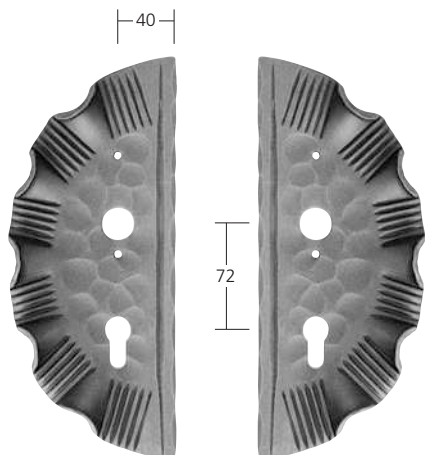
SERRAMENTI
BESCHLÄGE
MOUNTINGS



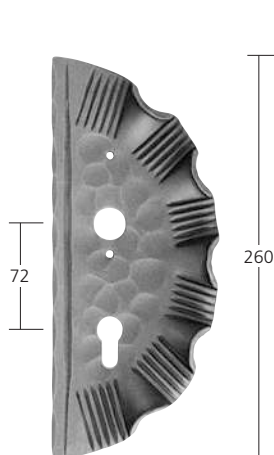
WOLFSGRUBER

 *innovative steel design*

lock cover plates, lock cases



51110 Mat. 4 mm
0,90 kg

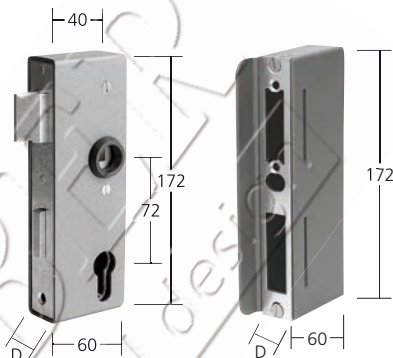


51111 Mat. 4 mm
0,90 kg

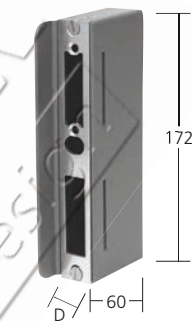


51112 Mat. 4 mm
0,94 kg

utilizzabili a destra e sinistra
links und rechts verwendbar
usable left and right



51340 D 30 mm · 1,02 kg
51345 D 40 mm · 1,10 kg



51810 D 30 mm · 0,64 kg
51820 D 40 mm · 0,64 kg

piastra d'incontro
Schließblech

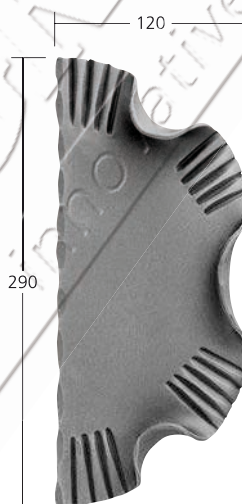
51811 D 30 mm
51821 D 40 mm



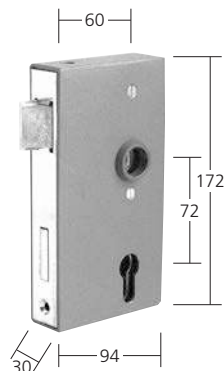
51120 Mat. 4 mm
0,70 kg



51121 Mat. 4 mm
0,70 kg



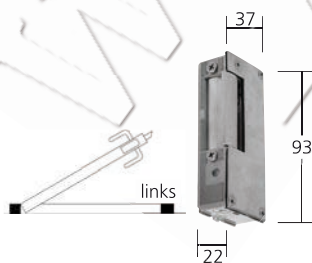
51122 Mat. 4 mm
0,73 kg



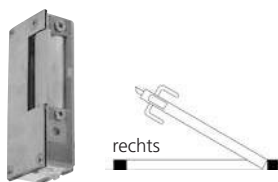
51360 1,48 kg

serratura a gancio
Hakenschloß
hook lock

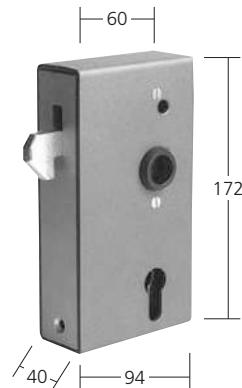
elettr serratura con sblocco - Elektrische Türöffner mit Entriegelung
electric lock with unlock
6-12 V



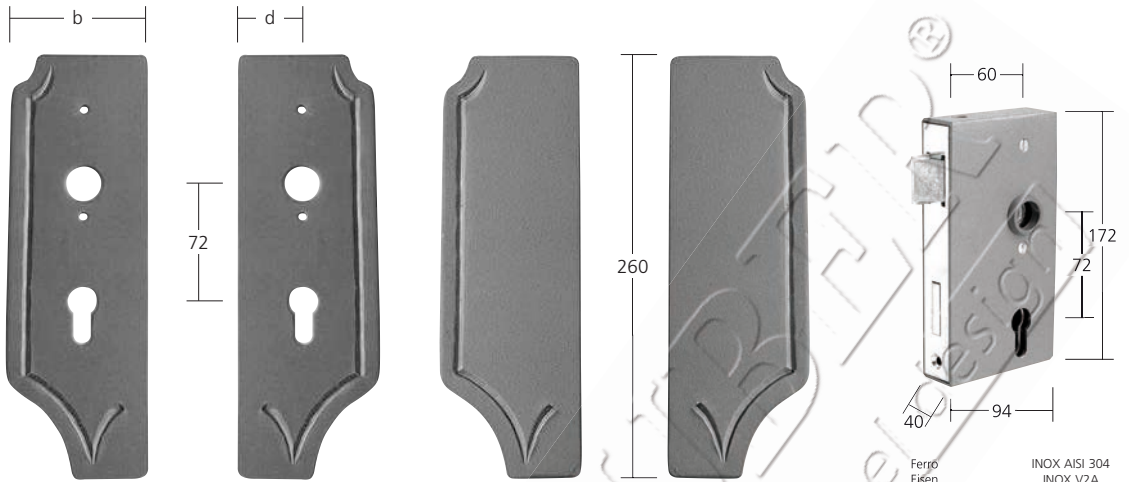
51610 0,32 kg



51611 0,32 kg



51460 1,78 kg



d=40
b=85

51130

51131

51133

51132

51350 1,02 kg

INOX AISI 304
INOX V2A
Iron Steel V²A

68450 1,02 kg

d=60
b=105

51140

51141

51143

51142



d=40

51150

51151

51152

51153

d=60

51156

51157



esempio d'impiego
Anwendungsbeispiel
example of application

51810

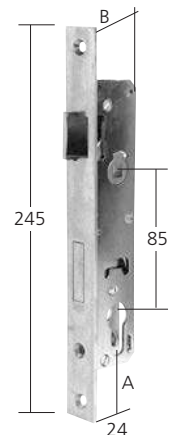
51610

serrature per tubolari
Rohrrahmenschlösser
mortice locks

zincate · verzinkt · galvanized

	A	B	
51524	24 mm	37	0,50 kg
51530	30 mm	45	0,52 kg
51540	40 mm	55	0,55 kg

utilizzabili a destra e sinistra
links und rechts verwendbar
usable left and right

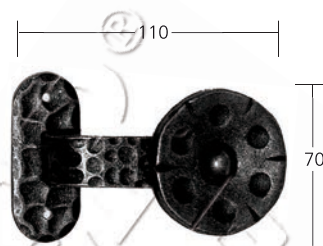




52110 0,40 kg

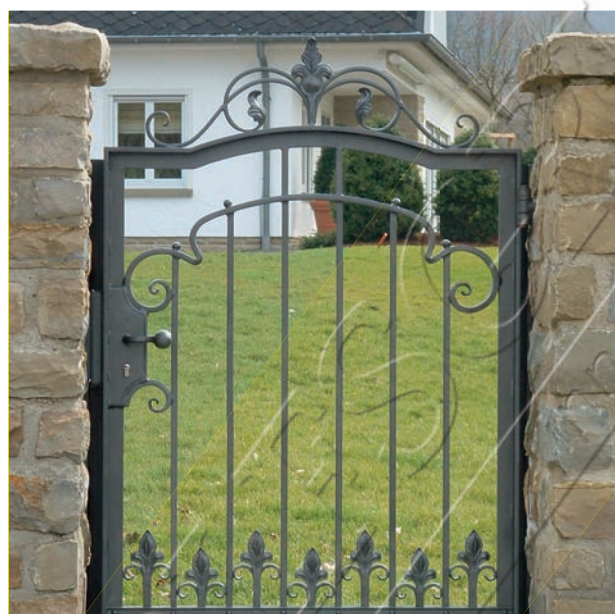


52120 0,22 kg



52132 0,33 kg

copricilindri e rosette · Schlüsselschilder und Drückerrosetten · keyhole surrounds



52310 Mat. 5 mm
0,06 kg



52315 Mat. 3 mm
0,04 kg

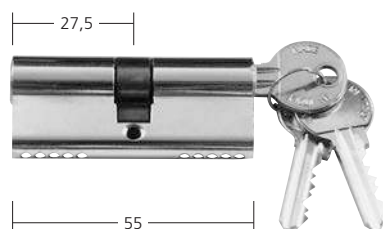


52320 Mat. 5 mm
0,06 kg



52325 Mat. 3 mm
0,04 kg

cilindro · Zylinder · cylinder



52450 0,20 kg

rosette di sicurezza
Sicherheitsrosette
safety rosettes



52330 Mat. 10 mm
0,13 kg



52335 Mat. 10 mm
0,13 kg

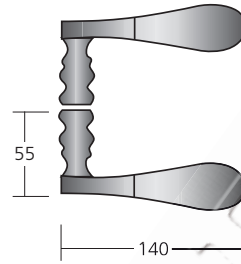


52345 Mat. 15 mm
0,28 kg

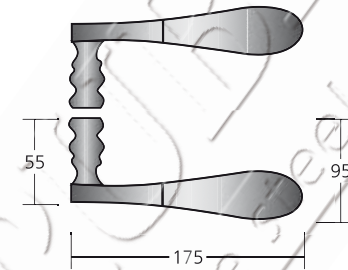
perno · Stift · pin



52400 Mat. 8x8x100 mm
0,04 kg

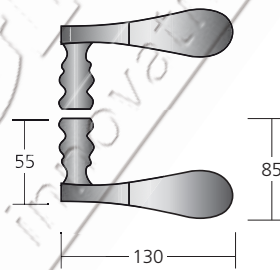


52611 0,34 kg



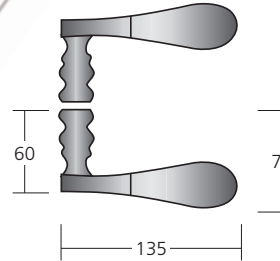
52610

52613 0,38 kg



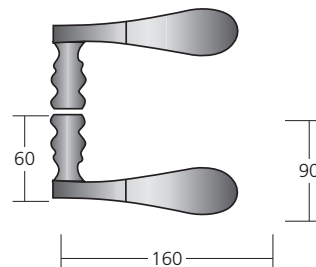
52612

52615 0,32 kg



52614

52617 0,32 kg



52616

52619 0,42 kg

52618



MANIGLIA · HANDGRIFF · HANDLE

verniciata nero · schwarz lackiert · vernished black

INOX AISI 304 satinato
Edelstahl W.1.4301 geschliffen
Stainless steel AISI 304 satined

confezione singola
Lieferung Einzeln
single confection



ART.

* **67217**

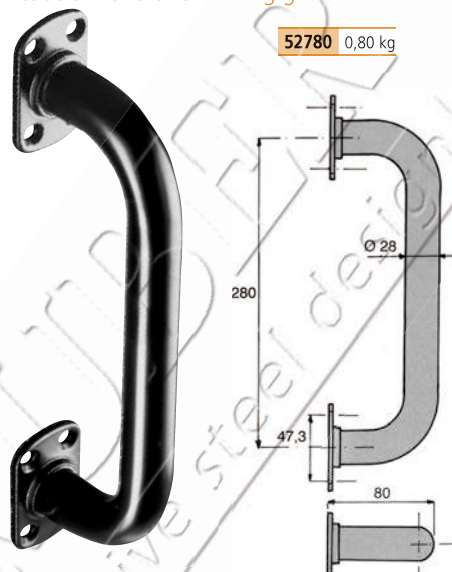
Drückerstift



ART.

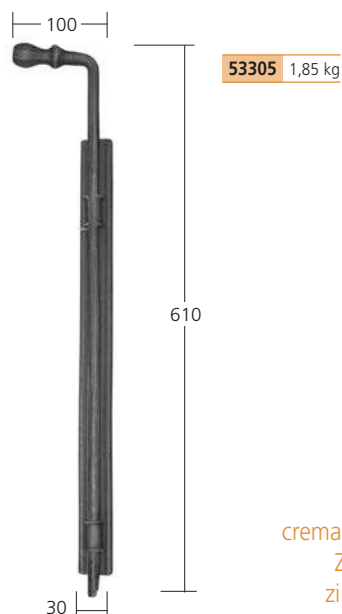
67254

maniglione tubolare per portoni
Rohrhandgriff für Tore
tubular handle for folding gates

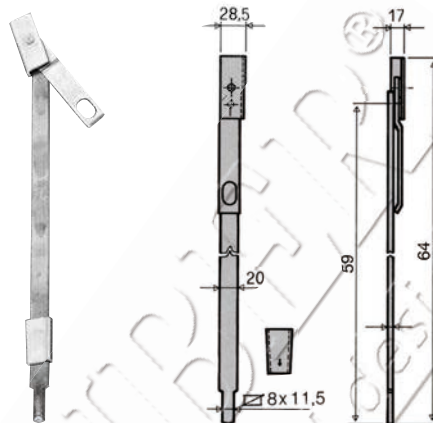


* mobile usabile destra e sinistra · beweglich beidseitig verwendbar · mobile left-right usable





53310 0,40 kg



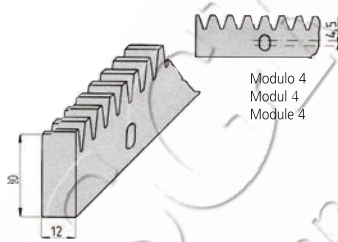
cremagliera rettangolare zincata
Zahnstangen verzinkt
zinked rectangular rack

attacchi per cremagliera
Distanzhülsen für Zahnstangen
fastening for rectangular rack



lunghezza
Länge
length

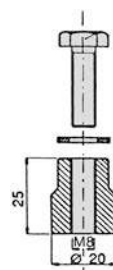
53440 1000 mm - 2,00 kg/m



Modulo 4
Modul 4
Module 4



53442 0,06 kg

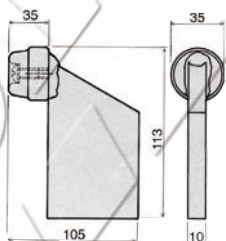


battenti d'arresto - Toranschläge - stop battents



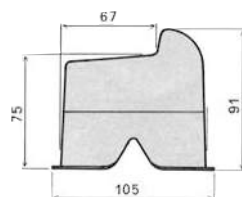
53510 0,60 kg

zincato
verzinkt
zinked

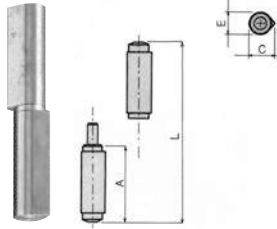


53520 0,35 kg

zincato
verzinkt
zinked



53530 12x35x100



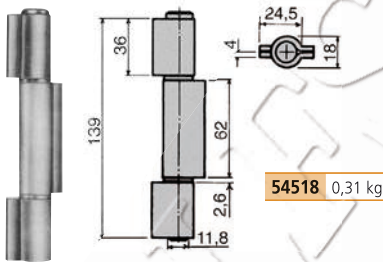
con perno in ottone
mit Messingdorn
with brass pivot

	L	A	C	E	
54312	78,5	38,5	14	12	0,07 kg
54314	100	49	16	14	0,12 kg
54316	120,5	59	18	16	0,19 kg

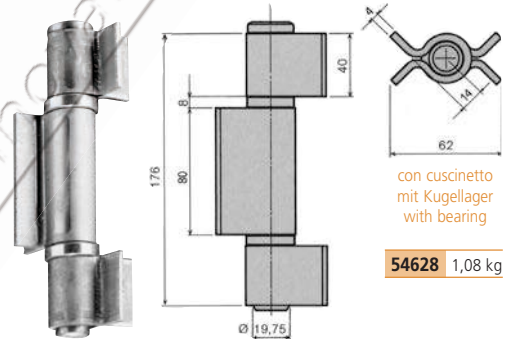


con perno in ottone e cuscinetto
mit Messingdorn und Kugellager
with brass pivot and bearing

54422 0,46 kg

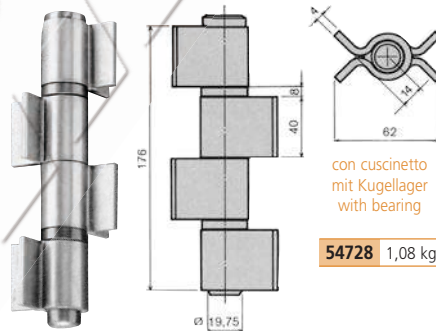


54518 0,31 kg



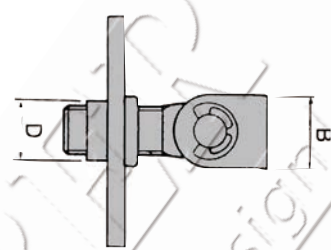
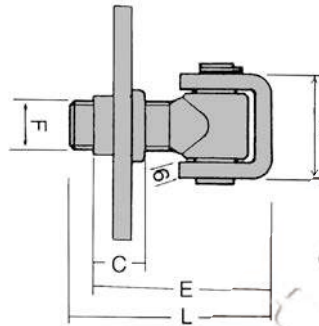
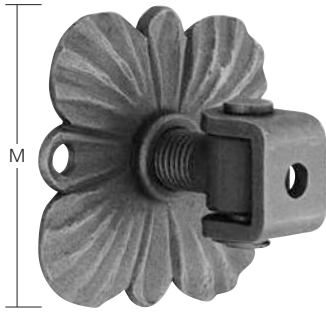
con cuscinetto
mit Kugellager
with bearing

54628 1,08 kg

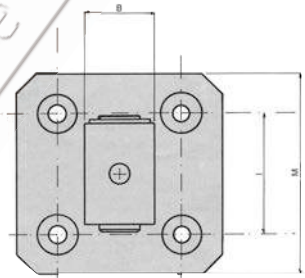
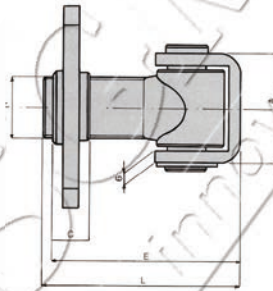


con cuscinetto
mit Kugellager
with bearing

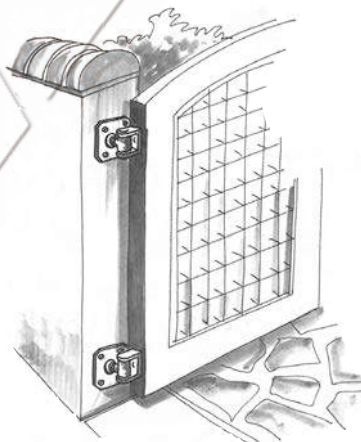
54728 1,08 kg

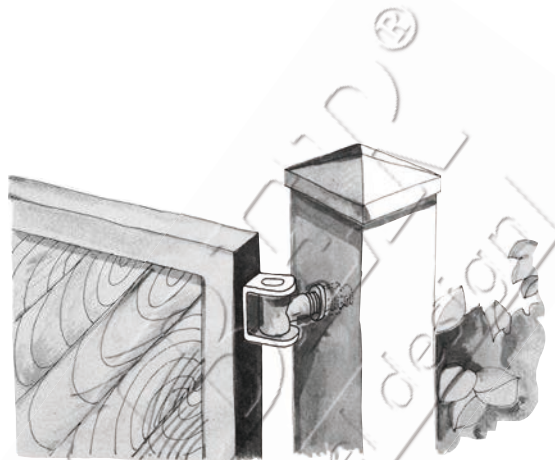
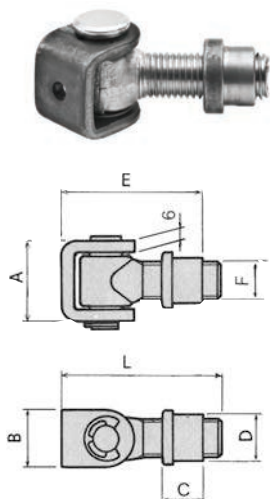


	F	M	A	B	C	D	E	L	portata Tragkraft Capacity	
55010	M 20	100	40	30	21	25	60-94	83	0,70 kg	150
55014	M 24	130	47	35	26	29	73-113	97	1,22 kg	225

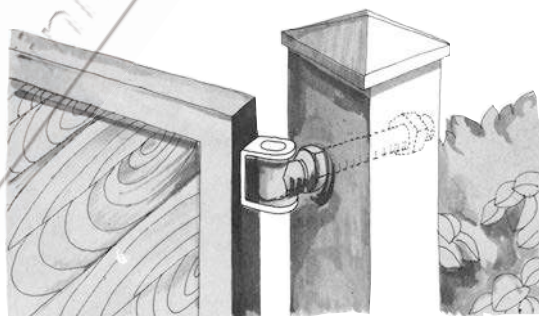
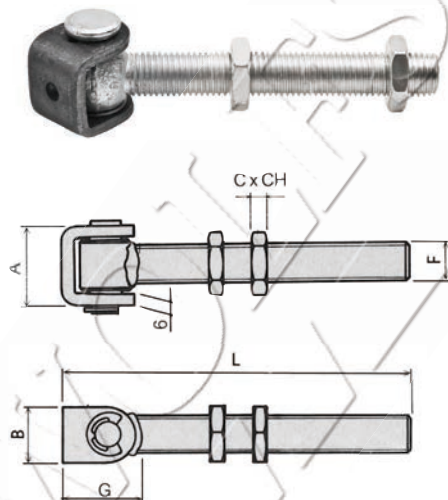


	F	M	A	B	C	E	L	I	portata Tragkraft Capacity	
55020N	M 20	100	40	32	17,5	60-100	104	70	0,80 kg	150
55024N	M 24	100	44	36	18,5	65-92	95	70	0,92 kg	225

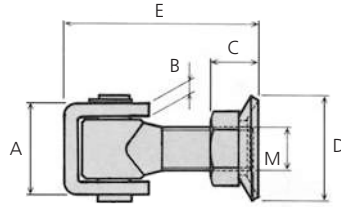




	F	A	B	C	D	E	L	portata Tragkraft Capacity
55111	M 16	33	25	21	21	57-78	77	0,26 kg 100
55110	M 20	40	32	21	25	63-100	93	0,46 kg 150
55114N	M 24	44	36	26	29	72-90	95	0,62 kg 225



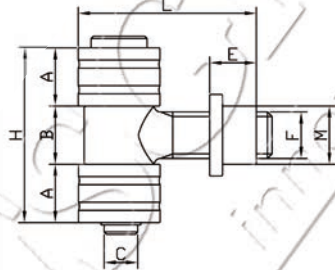
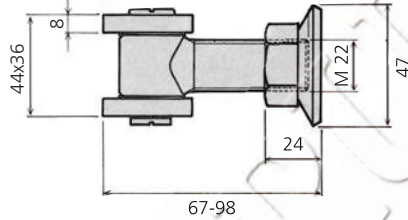
	F	A	B	C	CxCH	G	L	portata Tragkraft Capacity
55120	M 20	40	32	9	30	40	178	0,64 kg 150
55124N	M 24	44	35	10	36	43	178	0,88 kg 225



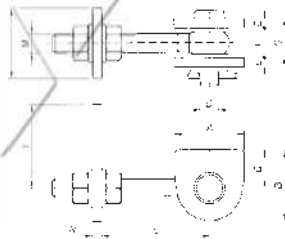
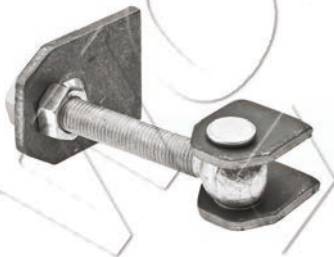
	M	A	B	C	D	E	
55211N	M 16	34x25	5	21	∅ 46	57-82	0,28 kg
55210N	M 20	40x32	6	25	∅ 47	70-105	0,50 kg



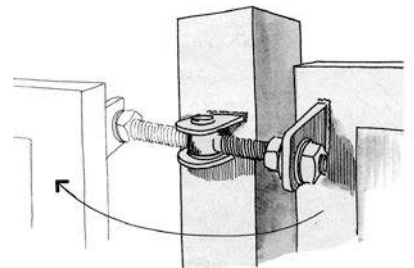
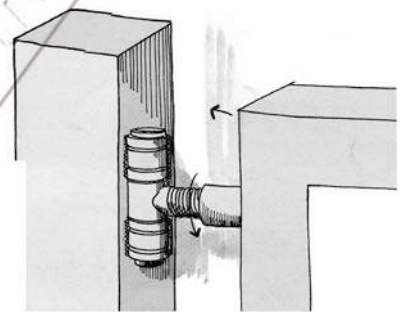
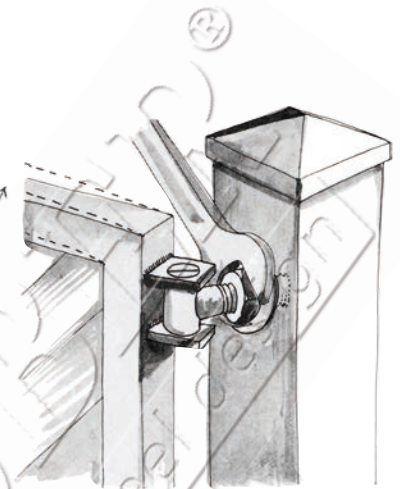
55222 0,56 kg

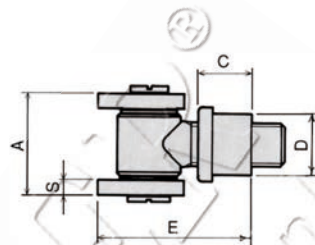
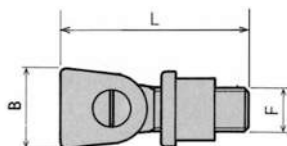


	F	A	B	C	D	E	M	H	L
54250	M 18	25	25	14,5	35	20	25	85	55-78
54252	M 20	25	25	14,5	35	20	25	85	56-82
54254	M 24	30	35	19,5	40	26	29	105	68-95

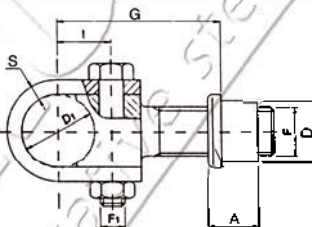


	F	A	B	E	G	H	I	L	N
54261	M12	40	51	5	27	60	54-68	31-100	5,5 0,50 kg
54260	M16	40	51	6	35	60	53,5-69,5	41-97	7,5 0,74 kg
54262	M20	70	65	7	43	60	70-107	53,5-103,5	8 1,34 kg
54264	M24	70	65	7,5	50	71	88-111	56,5-100	11,5 1,90 kg

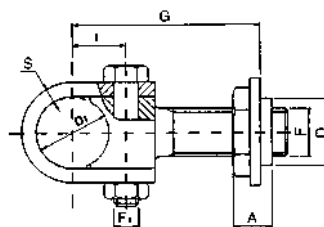




	F	A	B	C	D	E	L	S
55322	M 22	44	38	20,5	27	60-100	90	8
55327	M 27	60	40	26	33	60-100	107	10



	F	D ₁	D	F ₁	G	H	I	S	A
55420	M 20	30	25	M 10	44/68	30	21	6	20,5 0,49 kg
55430	M 30	40	36	M 12	70/110	40	34	6	24 1,20 kg

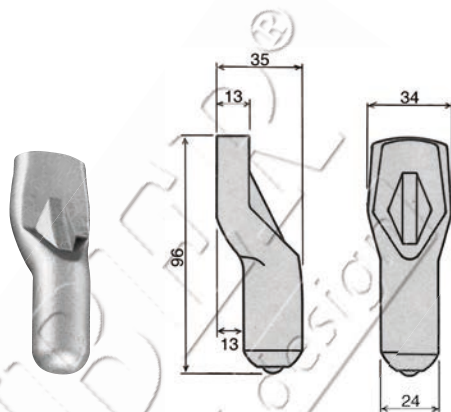
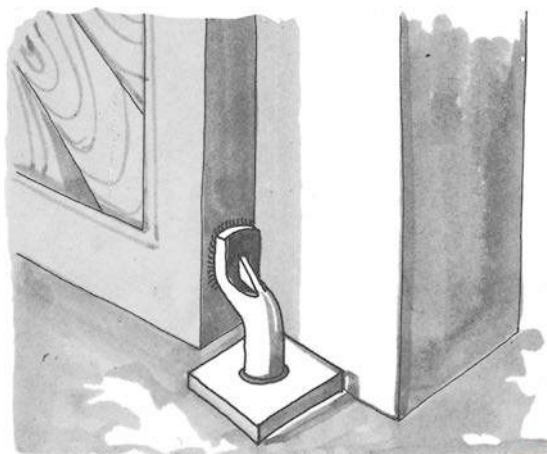


	F	D ₁	D	F ₁	G	H	I	S	A
55440	M 20	30	28	M 10	50/78	30	21	6	16 0,53 kg
55450	M 30	40	43	M 12	70/110	40	34	6	24 1,33 kg

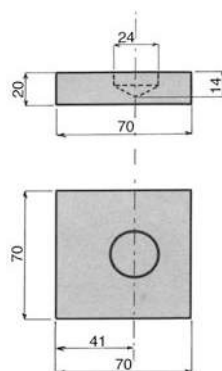


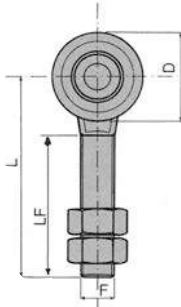
PERNO CON PIASTRA BASE · LAGERDORN MIT BODENPLATTE

pivot with base plate

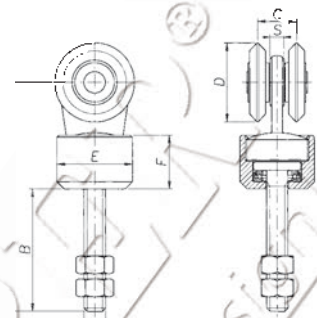


55590 0,49 kg

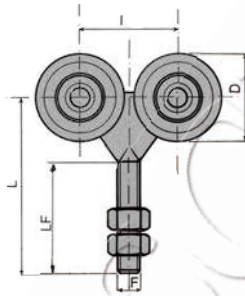




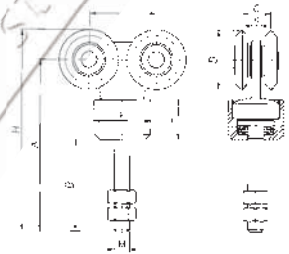
	D	F	LF	L	portata Tragkraft Capacity
58510	24	M8	30	48	0,08 kg 30 kg
58615	44	M12	58	92	0,28 kg 250 kg



	A	B	C	D	M	portata Tragkraft Capacity
58550	63	30	22	24	M8	50 kg
58655	128	69	22	44	M12	250 kg

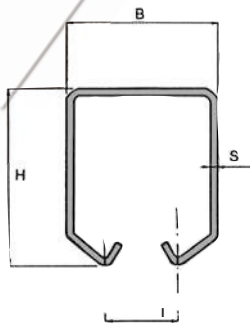
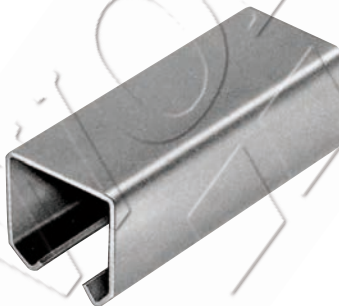


	D	F	LF	L	I	portata Tragkraft Capacity
58520	24	M8	30	48	30	0,14 kg 50 kg
58625	44	M12	58	95	50	0,44 kg 250 kg

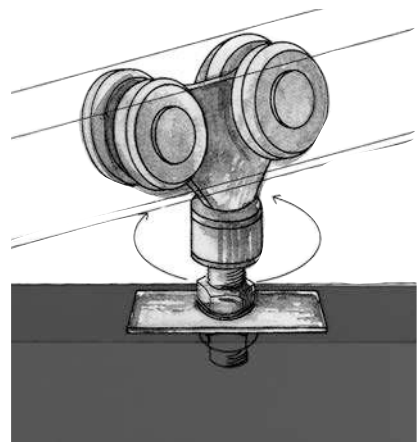


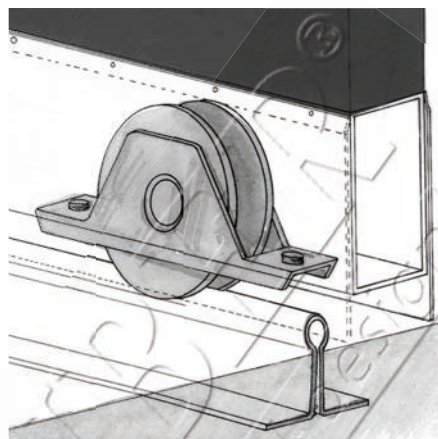
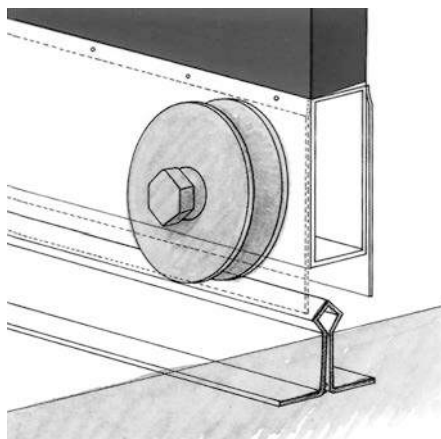
	A	B	C	D	M	I	portata Tragkraft Capacity
58560	63	30	22	24	M8	30	50 kg
58665	128	69	22	44	M12	50	250 kg

monorotaie · Laufschienen · tracks



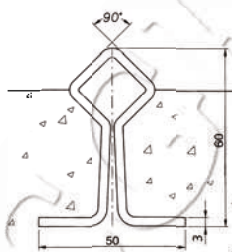
	B	H	I	S	lunghezza Länge length
58500	34,4	32,5	21,5	1,5	3m
58501	34,4	32,5	21,5	1,5	6m
58600	43	53	22	2,5	3m
58601	43	53	22	2,5	6m





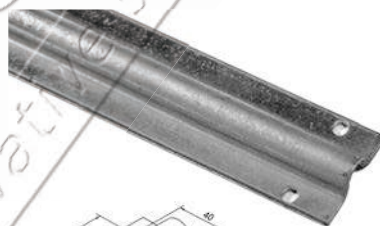
lunghezza
Länge
length

58100 3000 mm · 11,85 kg



lunghezza
Länge
length

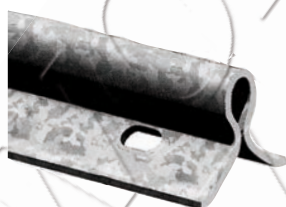
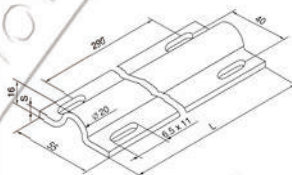
58101 6000 mm · 23,70 kg



lunghezza
Länge
length

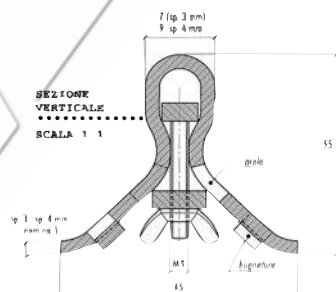
58210 3000 mm · 4,62 kg

58211 6000 mm · 9,24 kg



lunghezza
Länge
length

58200 3000 mm · 11,00 kg



lunghezza
Länge
length

58201 6000 mm · 22,00 kg

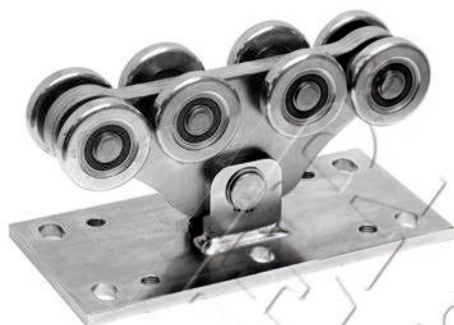
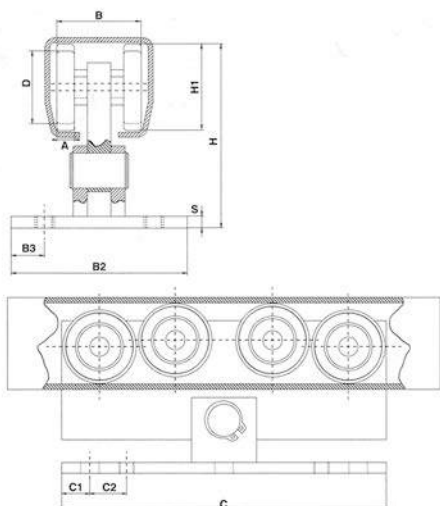


58203

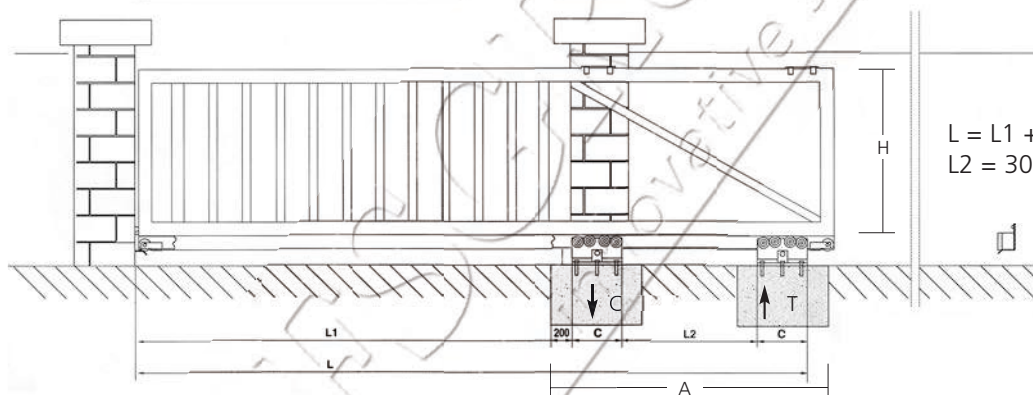
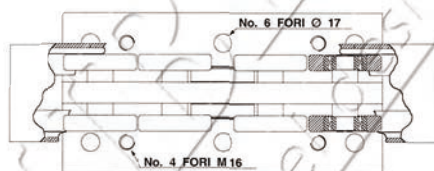
Esempio
Beispiel
Example



carrello · Wagen · carriage



58452
58450
58350

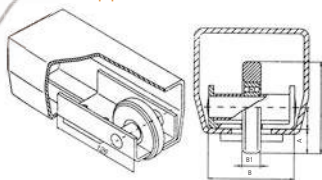


$$L = L1 + L2$$

$$L2 = 30\% \text{ von } L1$$

	D	A	H	H1	S	B	B2	C	L1 max	portata Tragkraft capacity kg	per guida für Schiene for guide kg	L	H	A	B	C	S	Lunghezza Länge Length	Peso Gewicht Weight	
58452	48	12,5	139,5	52,5	10	52,5	140	190	3m	450kg	958	58402	70	60	22	53	30	3,5	3m	5,55kg/m
												58403	70	60	22	53	30	3,5	6m	5,55kg/m
58450	70	15	162	74	10	72	150	300	8m	600kg	17,5	58400	94	87	33	73	30	5	3m	10kg/m
												58401	94	87	33	73	30	5	6m	10kg/m
58350	120	30	246	131	15	99	200	470	16m	1200kg	44,6	58300	136	142	38	100	55	6	3m	21,51kg/m
												58301	136	142	38	100	55	6	6m	21,51kg/m

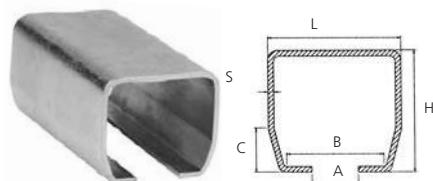
ruota di sostegno · Aufrolle · support wheel

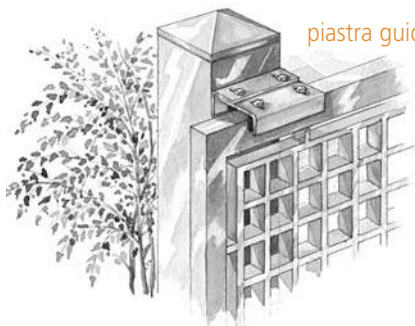


	B	B1	L	A	D	per guida für Schiene for guide kg
58457	50	15	125	12	68	58402-03 1,02
58455	68	15	125	15	74	58400-01 1,2
58355	105	30	165	14	98	58300-01 3,25

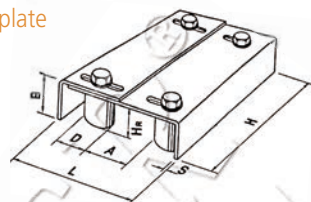
guida per cancelli sospesi
Schiene für Hängetore
guide for suspended gates
zincata · verzinkt · galvanized

58400
58401
58300
58301



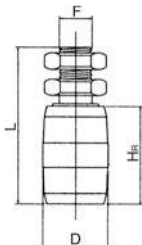


piastra guidacancello · Führungsbügel · gate drive plate



	L	H	S	A	B	ØD	Hr	
	min/max			min/max				
58410	130/170	200	3	35/60	55	30	40	2,18 kg
58420	195/245	350	5	65/85	67	40	60	5,13 kg

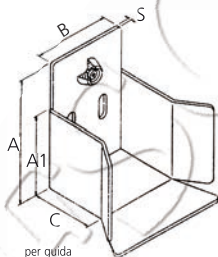
rolli guide in nylon · Führungsrollen aus Nylon · nylon rollers



	ØD	Hr	L	F	
58412	30	40	73	M14	0,15 kg
58422	40	60	96	M16	0,42 kg

incontro · Anschlagshuh · meeting point

tappo di copertura · Abdeckkappe · cap



	A	A1	B	C	S	
58406	130	80	80	75	4	58402-03
58405	165	105	100	80	4	58400-01
58305	225	165	155	80	4	58300-01



	per guida für Schiene for guide
58408	58402-03
58407	58400-01
58307	58300-01

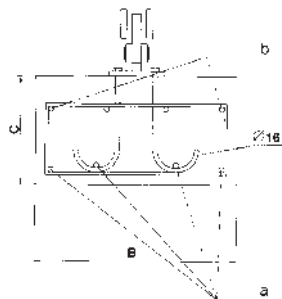


tabella di calcolo - Berechnungstabelle - computation table

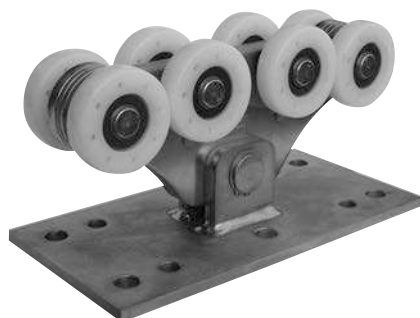
Carello Rollbock Carriage	cancello - Tor - gate							fondazione - Fundament - foundation					
	L1	L2	H	L3	C	T	forza di trazione per vite	A	B	C	cesto Korb basket		
	m	m	m	m	kg	kg	kg	m	m	m	kg	a	b
58452	3,0	1,0	1,0	1,0	1450	850	250	1,8	0,6	0,5	1150	4Ø12	4Ø12
58450	4,0	1,3	1,0	1,0	1900	1150	300	2,8	0,6	0,4	1500	4Ø12	4Ø12
	5,0	1,5	1,0	1,5	2650	1550	400	3,4	0,6	0,4	2300	4Ø12	4Ø12
	6,0	1,8	1,0	1,5	3100	1800	500	4,0	0,6	0,4	2750	4Ø12	4Ø12
	8,0	2,4	1,0	1,5	4500	2550	650	4,6	0,6	0,4	4250	7Ø12	4Ø12
58350	10,0	3,0	1,0	2,0	5450	3100	800	5,2	0,6	0,4	5350	6Ø12	4Ø12
	12,0	4,0	1,0	2,0	7300	4050	1050	5,8	0,8	0,5	7300	7Ø12	4Ø12
	14,0	4,2	1,0	2,0	8450	4650	1200	6,4	0,8	0,5	8500	9Ø12	4Ø12
	16,0	4,8	1,0	2,0	11800	6500	1650	7,0	0,8	0,6	12150	10Ø18	4Ø12



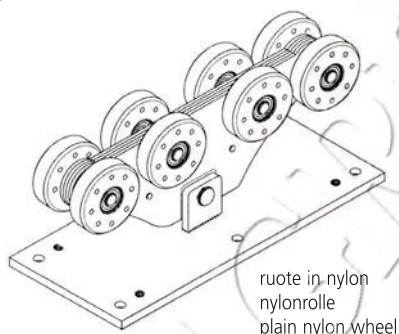
accessoires for gate carriage

galvanizzati
galvanisch verzinkt
galvanised

carrello per cancelli sospesi · Wagen für Hängetore · carriagee for suspended gates



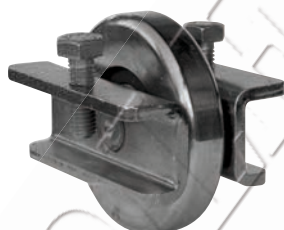
58850



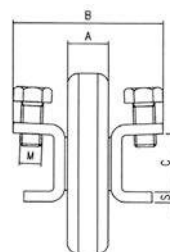
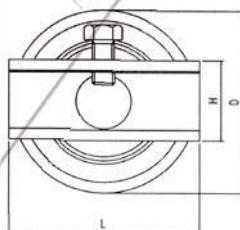
ruote in nylon
nylonrolle
plain nylon wheel



ruota a supporto interno · Laufrolle mit interner Stützplatte · wheel with internal support



58855



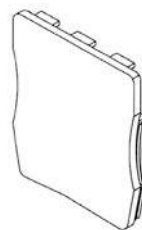
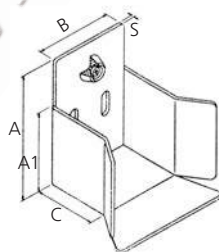
A = 15
B = 60
C = 22
D = 68
H = 30
L = 70
M = M8
S = 4

incontro · Anschlagschuh · stop point

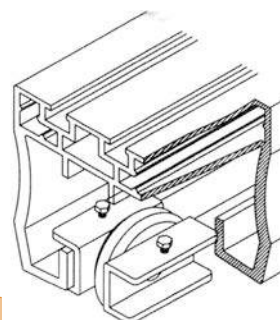
tappo di copertura · Abdeckkappe · cap



58405



58860





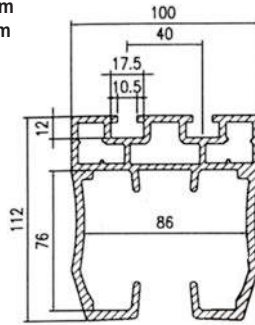
guida per cancelli sospesi
Schiene für Hängetore
guide for suspended gates

alluminio
Aluminium
aluminium

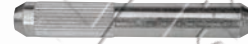
Capacità di carico max	350kg	a 6m
Maximale Tragfähigkeit	350kg	bei 6m
Maximum load rating	350kg	on 6m



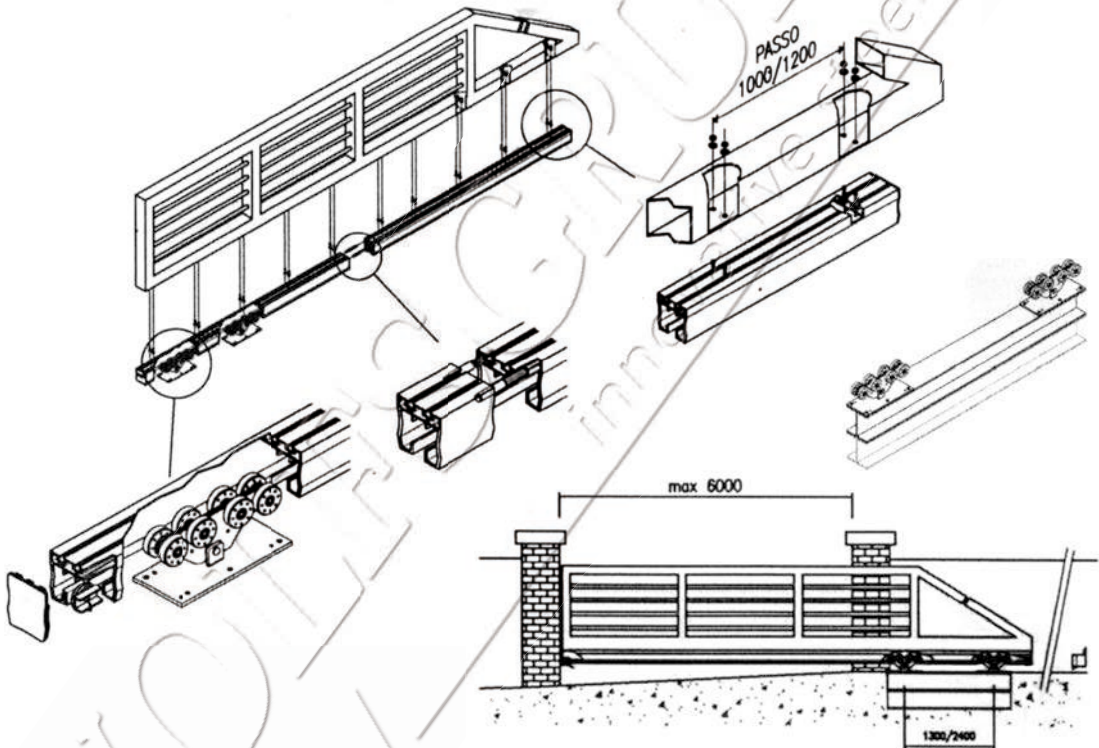
58801
L=6 m



racordo
Verbindungsstift
connecting poece



58803



Set-58403

Set per cancello autoportante fino a 450kg e luce 4m
 Laufwerkset bis 450 kg für lichte Durchfahrt bis 4m



2 x Art. 58457

2 x Art. 58452



1 x Art. 58403 6m

2 x Art. 58406

2 x Art. 58408

Set-58400

Set per cancello autoportante fino a 600kg e luce 6m
 Laufwerkset bis 600 kg für lichte Durchfahrt bis 6m



2 x Art. 58455

2 x Art. 58450



1 x Art. 58400 3m

2 x Art. 58405

2 x Art. 58407

Set-58801

Set per cancello autoportante con profilo
 in alluminio fino a 350kg e luce 4m
 Laufwerkset mit Aluminiumprofil
 bis 350 kg für lichte Durchfahrt bis 4m



2 x Art. 58855

2 x Art. 58850

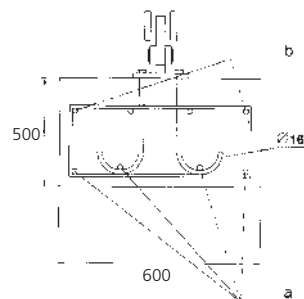
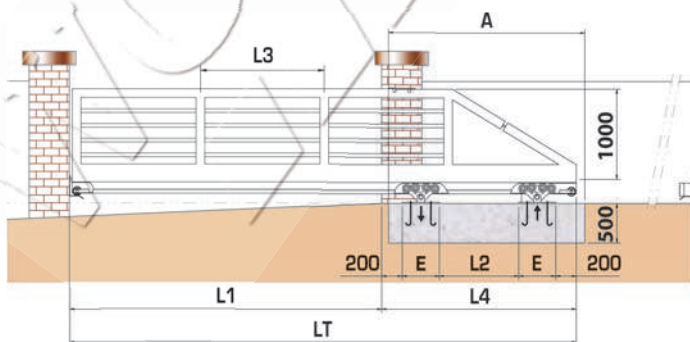


1 x Art. 58801 6m

2 x Art. 58405

2 x Art. 58860

ART.	L1 (m)	L2 (m)	L3 MAX (m)	L4 (m)	LT (m)	E (mm)	Cancello/Tor kg	kg/m	A (m)
58452	3	1	1	1,8	4,8	190	450	95	1,8
	4	1	1	2	6	190	450	75	1,8
58450	4	1,3	1	2,3	6,3	300	600	95	2,5
	5	1,5	1,5	2,5	7,5	300	600	80	2,8
	6	1,8	1,5	2,8	8,8	300	600	70	3,2
	8	2,4	1,5	3,4	11,4	300	600	55	3,7
58850	3	1	1	1,8	4,8	300	350	80	1,8
	4	1,3	1	2,3	6,3	300	350	60	2,5
	5	1,5	1,5	2,5	7,5	300	350	50	2,8
	6	1,8	1,5	2,8	8,8	300	350	40	3,2



PRODOTTI FINITI
FERTIGWARE
FINISHED PRODUCTS



WOLFSGRUBER

 *innovative steel design*

Metallfarbe Vernici speciali epossidiche-acriliche per uso interno ed esterno

La qualità superiore delle vernici epossidiche-acriliche si manifesta nella loro resistenza agli agenti atmosferici ed alla luce. Sono diluibili con diluente sintetico oppure nitro, con brevi tempi di essiccazione, ottima adesione e resistenza all'abrasione, di lunga durata.

Le vernici epossidiche-acriliche speciali sono ideali per l'artigianato del ferro battuto, si possono applicare senza strato intermedio su superfici appena zincate. Il prodotto va diluito con diluente sintetico oppure con nitro e può essere applicato a pennello, spruzzo ed immersione.

Per l'applicazione a pennello il prodotto va applicato quasi puro, mentre per l'applicazione a spruzzo o ad immersione si diluisce con 15 - 20 % con diluente sintetico oppure nitro

Gli oggetti da verniciare devono essere privi di ruggine, olio e grassi.



Metallfarbe Epoxyd-Acryl-Speziallacke für innen und außen

Epoxyd-Acryl-Speziallacke zeichnen sich durch ihre Licht und Wetterfestigkeit aus;

Sie sind schnell trocknend, haben eine sehr gute Haftung, sind abriebfest und dauerhaft.

Epoxyd-Acryl-Speziallacke sind ideal für alle Kunstschmiedearbeiten, weil sie ohne Zwischenanstrich sofort auf frisch verzinkte Oberflächen aufgebracht werden können und zum Streichen, Spritzen und Tauchen geeignet sind.

Zum Streichen fast unverdünnt, zum Tauchen und Spritzen mit 15 - 20 % Nitroverdünnung zu verarbeiten.

Die zu lackierenden Teile müssen frei von Rost, Öl und Fett sein.

Metallfarbe Epoxydic-acrylic special paints for interior and exterior use

Epoxydic-acrylic special paints are fast to light and extremely weatherresistant;

They are fast drying and show extreme adhesion and abrasion resistance which make them much more durable.

Epoxydic-acrylic special paints are ideal for the iron-forging handcraft, because they can be applied immediately even on freshly galvanized surfaces without intermediate coat.

They are suitable for brushing, spraying as for dipping.

They are to be diluted with synthetic diluent or nitro.

For brushcoating use it almost pure, for dip coating and spraying add 15 - 20 % synthetic diluent or nitro. The objects must be free of rust, oil or grease.



nero-opaco serico
Schwarz-seidenmatt
black-silky dull

antracite metallizzato
Anthrazit-grau, metallisch (Schmiedeantik)
anthracite grey, metallic

bianco-opaco serico
Weiß-seidenmatt
white-silky dull

RAL

2,5 lt.

Art.

80017

2,5 lt.

80022

2,5 lt.

80027





Patina oro Patina gold Patina gold	0,250 lt.	Art. 80110
Patina oro chiaro Patina hellgold Patina gold light	0,250 lt.	80115
Patina argento Patina silber Patina silver	0,250 lt.	80120
Patina rosso rubino Patina rubinrot Patina ruby red	0,250 lt.	80125
Patina rosa antico Patina altrosa Patina antique pink	0,250 lt.	80130
Patina blu acqua Patina wasserblau Patina water blue	0,250 lt.	80135
Patina blu scuro Patina dunkelblau Patina dark blue	0,250 lt.	80138
Patina verde reseda Patina resedagrün Patina reseda green	0,250 lt.	80140
Patina verde scuro Patina dunkelgrün Patina dark green	0,250 lt.	80145
Patina verde Patina grün Patina green	0,250 lt.	80148
Patina marrone scuro Patina dunkelbraun Patina brown	0,250 lt.	80150
Patina giallo Patina gelb Patina yellow	0,250 lt.	80155



ART. **69414** DIM. (AxBxH) 120x130x270 IP 43



diffusore polycarbonato opale
Diffuser Polycarbonat opal
diffuser polycarbonate opal



ART. **69416** DIM. (AxBxH) 240x130x340 IP 43



diffusore vetro trasparente
Diffuser Klarglas
diffuser glass transparent



ART. **69418** DIM. (AxBxH) 240x130x300 IP 43



diffusore vetro trasparente
Diffuser Klarglas
diffuser glass transparent



ART. **69420** DIM. (AxBxH) 270x135x270 IP 43



diffusore vetro trasparente
Diffuser Klarglas
diffuser glass transparent



ART. **69422** DIM. (AxBxH) 205x130x300 IP 43



diffusore vetro trasparente
Diffuser Klarglas
diffuser glass transparent



ART. **69424** DIM. (AxBxH) 145xØ255 IP 43



diffusore polycarbonato opale
Diffuser Polycarbonat opal
diffuser polycarbonate opal

INOX AISI 304 satinato - Edelstahl W.1.4301 geschliffen - stainless steel AISI 304 satined



ART. DIM. (AxBxH) IP
69426 85x200x400 44

1x20 W E27

diffusore vetro opale
 Diffuser Opalglass
 diffuser opal glass



ART. DIM. (AxBxH) IP
69428 80x140x380 44

1x24 W TC-L

diffusore vetro opale
 Diffuser Opalglass
 diffuser opal glass



ART. DIM. (AxBxH) IP
69430 115x130x370 44

1x100 W E27

diffusore vetro trasparente
 Diffuser Klärglas
 diffuser glass transparent



ART. DIM. (AxBxH) IP
69442 300xØ90x390 43

1x23 W E27

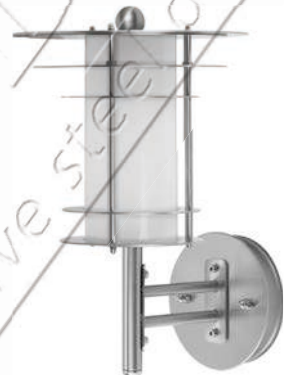
diffusore polycarbonato opale
 Diffuser Polycarbonat opal
 diffuser polycarbonate opal



ART. DIM. (AxBxH) IP
69444 135xØ90x390 43

1x23 W E27

diffusore polycarbonato opale
 Diffuser Polycarbonat opal
 diffuser polycarbonate opal



ART. DIM. (AxBxH) IP
69450 260x230x365 43

1x75 W E27

diffusore polycarbonato opale
 Diffuser Polycarbonat opal
 diffuser polycarbonate opal



ART. DIM. (AxBxH) IP
69452 260x1225 43

1x75 W E27

diffusore polycarbonato opale
 Diffuser Polycarbonat opal
 diffuser polycarbonate opal



ART. DIM. (AxBxH) IP
69446 Ø130x1100 43

1x75 W E27

diffusore polycarbonato opale
 Diffuser Polycarbonat opal
 diffuser polycarbonate opal



CASSETTE POSTALI - BRIEFKÄSTEN - LETTER BOXES

INOX AISI 304 satinato - Edelstahl W.1.4301 geschliffen - stainless steel AISI 304 satined



ART. DIM. (AxBxH)
69512 390x170x340



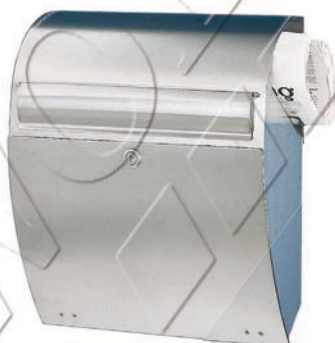
ART. DIM. (AxBxH)
69514 395x130x370



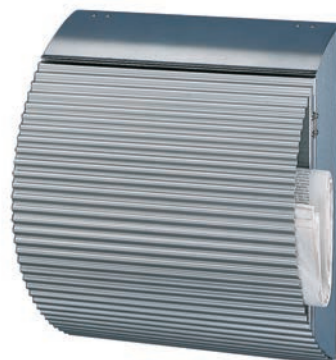
ART. DIM. (AxBxH)
69516 400x160x340



ART. DIM. (AxBxH)
69518 330x200x480



ART. DIM. (AxBxH)
69520 375x160x440



ART. DIM. (AxBxH)
69522 375x170x430

INOX AISI 304 satinato - Edelstahl W.1.4301 geschliffen - stainless steel AISI 304 satined



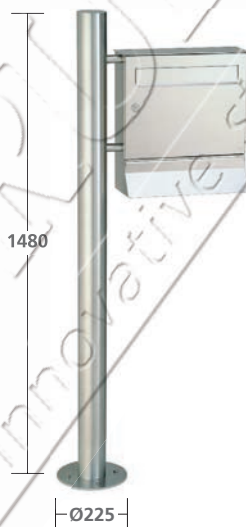
ART. DIM. (AxBxH)
69524 320x130x470



ART. DIM. (AxBxH)
69526 395x115x110



ART. DIM. (AxBxH)
69542 375x165x1250



ART. DIM. (AxBxH)
69544 390x160x430

numeri vivici - Hausnummern - bell push

campanelli - Klingelknöpfe - house nimbres



ART.	MAT.	ART.	MAT.
69550	"0"	69557	"7"
69551	"1"	69558	"8"
69552	"2"	69559	"9"
69553	"3"	69550-a	"a"
69554	"4"	69550-b	"b"
69555	"5"	69550-c	"c"
69556	"6"	69550-d	"d"



ART. MAT.
69561 Ø75



ART. MAT.
69562 180x60

Ariete - Widder - Aries



ART. KG
81005 0,64

Toro - Stier - Taurus



ART. KG
81010 0,56

Gemelli - Zwillinge - Gemini



ART. KG
81015 0,62

Cancro - Krebs - Cancer



ART. KG
81020 0,58

Leone - Löwe - Leo



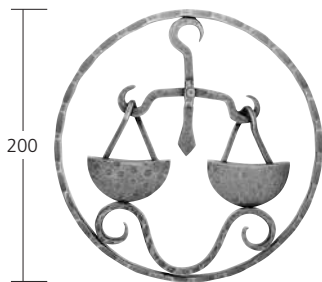
ART. KG
81025 0,56

Vergine - Jungfrau - Virgo



ART. KG
81030 0,64

Bilancia - Waage - Libra



ART.	KG
81035	0,54

Scorpione - Skorpion - Scorpio



ART.	KG
81040	0,56

Sagittario - Schütze - Sagittarius



ART.	KG
81045	0,66

Capricorno - Steinbock - Capricorn



ART.	KG
81050	0,58

Acquario - Wassermann - Aquarius



ART.	KG
81055	0,60

Pesci - Fische - Pisces



ART.	KG
81060	0,56

passero - Spatz - sparrow



ART.	KG
81210	0,60

scoiattolo - Eichhörnchen - squirrel



ART.	KG
81220	0,56

cavalluccio marino - Seepferdchen - sea-horse



ART.	KG
81230	0,52

pesce - Fisch - fish



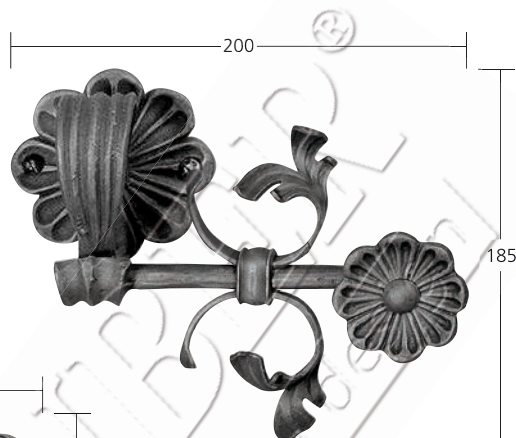
ART.	KG
81240	0,54



ART.	KG
81300	7,78



ART. KG
82010 0,64



ART. KG
82012 0,64



ART. KG
82014 0,34

ganci attaccapani - Garderobenhaken - coat hooks



ART. KG
82110 0,18



ART. KG
82120 0,52



ART. KG
82130 0,26

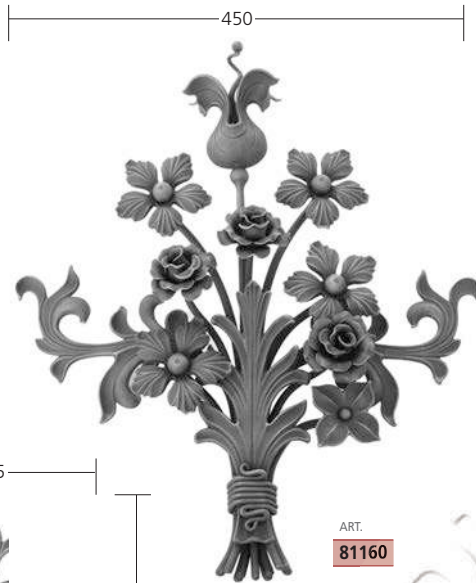


ART.	KG
83010	7,06



ART.	KG
83020	4,10

WOLFFSGRUPPEN
 innovativ. elegant. peer design

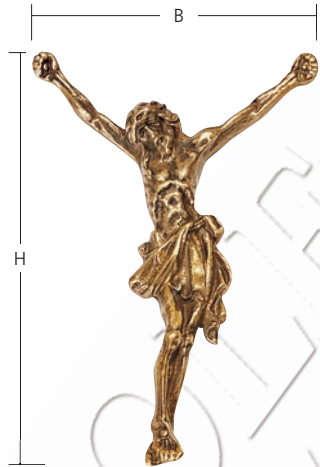




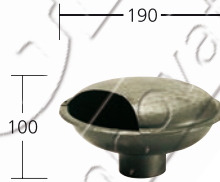
ART.
85125



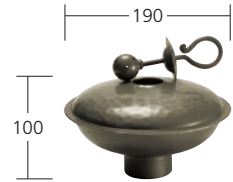
ART.
85130



ART.	BxH MM	KG
85110	215x310	1,38
85120	280x410	3,30



ART.	KG
85210	0,56



ART.	KG
85220	0,70



ART.
85225

WOLFGANG GRUBER®

innovative steel design

OTTONE
MESSING
BRASS



WOLFSGRUBER

 innovative steel design



laminati a caldo • warm gewalzt • rolled with heat



ART.	MAT.	KG
20512	54x8 mm	1,61

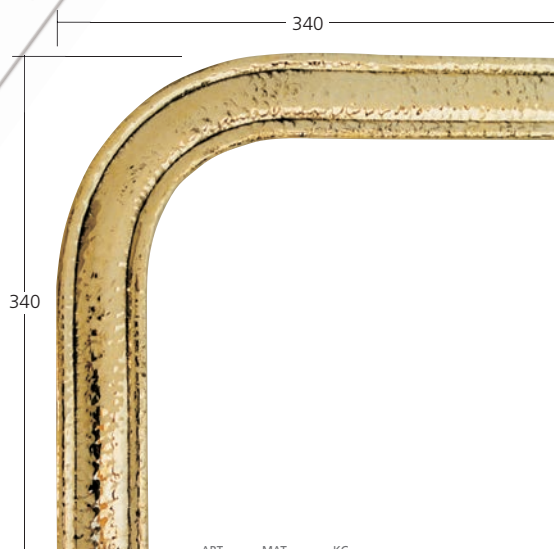


ART.	MAT.	KG/m
20510	54x8x3000 mm	2,69

bronzo da forgia
Schmiedebronze
bronze forged



ART.	MAT.	KG
20514	54x8 mm	1,61



ART.	MAT.	KG
20516	54x8 mm	1,61

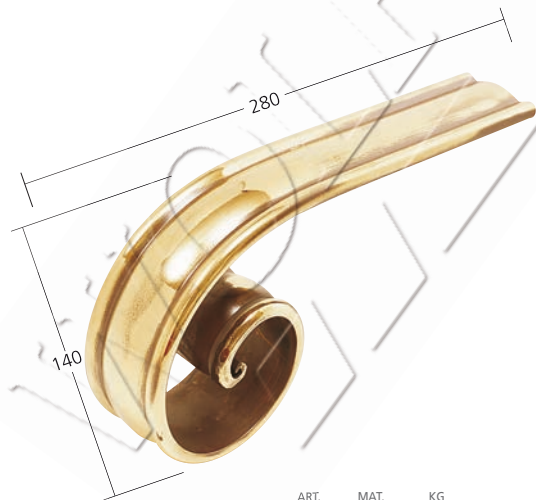
ART.	MAT.	KG
20522	54x8 mm	1,85
20532	42x8 mm	1,38



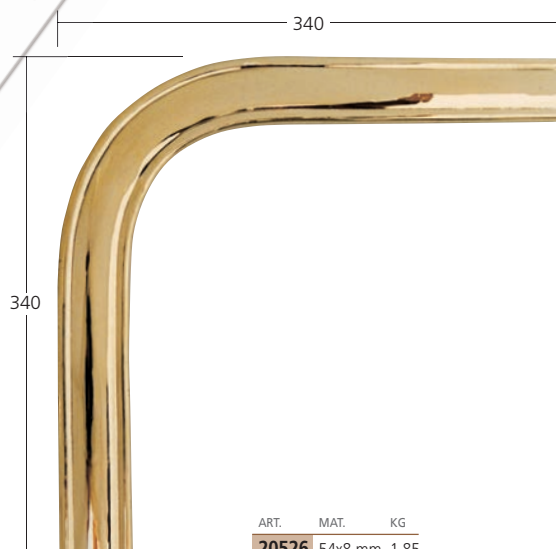
ART.	MAT.	KG
20520	54x8x3000 mm	3,09
20530	42x8x3000 mm	2,30



bronzo da forgia
Schmiedebronze
bronze forged



ART.	MAT.	KG
20524	54x8 mm	1,85
20534	42x8 mm	1,38



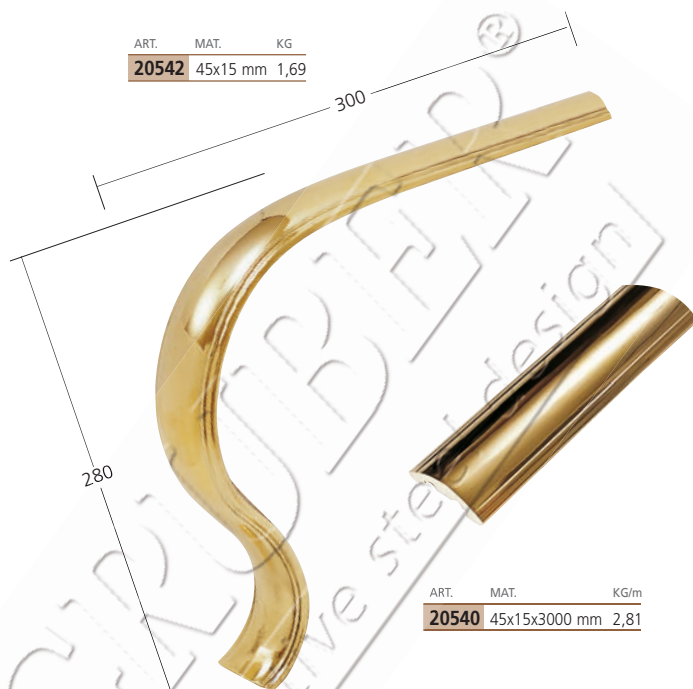
ART.	MAT.	KG
20526	54x8 mm	1,85
20536	42x8 mm	1,38



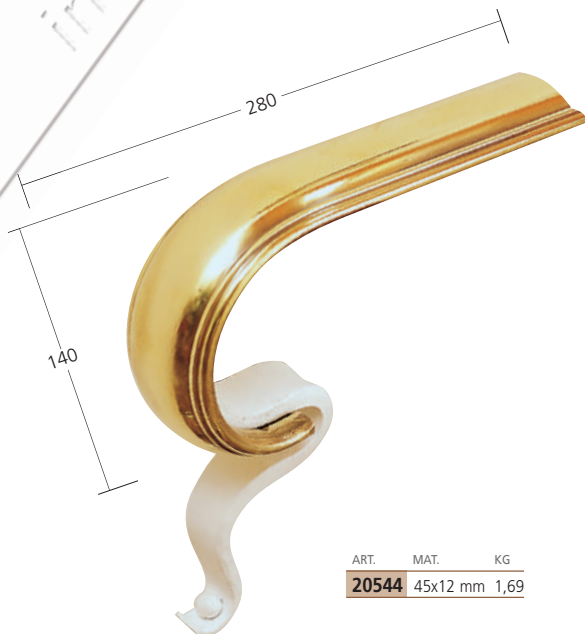
laminati a caldo • warm gewalzt • rolled with heat



ART.	MAT.	KG
20542	45x15 mm	1,69



ART.	MAT.	KG/m
20540	45x15x3000 mm	2,81



ART.	MAT.	KG
20544	45x12 mm	1,69

ART.	MAT.	KG
20552	50x15 mm	2,30



ART.	MAT.	KG/m
20550	50x15x3000 mm	3,83



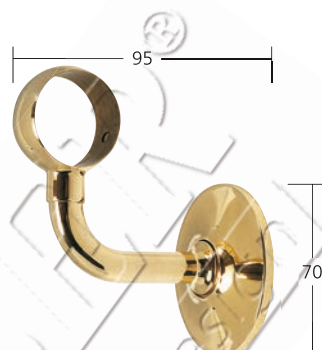
ART.	MAT.	KG
20554	45x15 mm	2,30



ART.	PER TUBE FÜR ROHR FOR TUBE	KG
22411	Ø33,7	0,22
22412	Ø42,4	0,23



ART.	PER TUBE FÜR ROHR FOR TUBE	KG
22421	Ø33,7	0,25
22422	Ø42,4	0,28



ART.	PER TUBE FÜR ROHR FOR TUBE	KG
22431	Ø33,7	0,25
22432	Ø42,4	0,28

giunti sferici - Kugelgelenke - ball-and-socket joints



ART.	PER TUBE FÜR ROHR FOR TUBE	KG
22451	Ø33,7	0,23
22452	Ø42,4	0,27

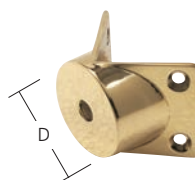
ART.	PER TUBE FÜR ROHR FOR TUBE	KG
22456	Ø33,7	0,32
22457	Ø42,4	0,37

piastrina di base
Bodenrosetten
base rosette



ART.	Ø D mm	KG
22460	12	0,28
22462	14	0,30
22464	25	0,35
22466	42,4	0,38

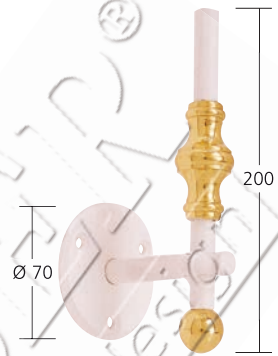
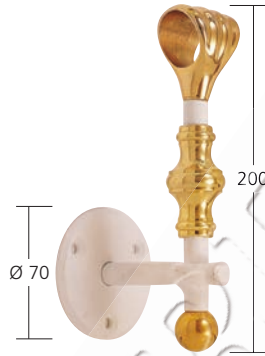
mensola d'angolo
Eckkonsole
edge console



ART.	Ø D mm	KG
22470	42,4	0,08



ottone lucidato e verniciato a forno • Messing hochglanzpoliert und einbrennlackiert • brass highly polished, stove enamelled



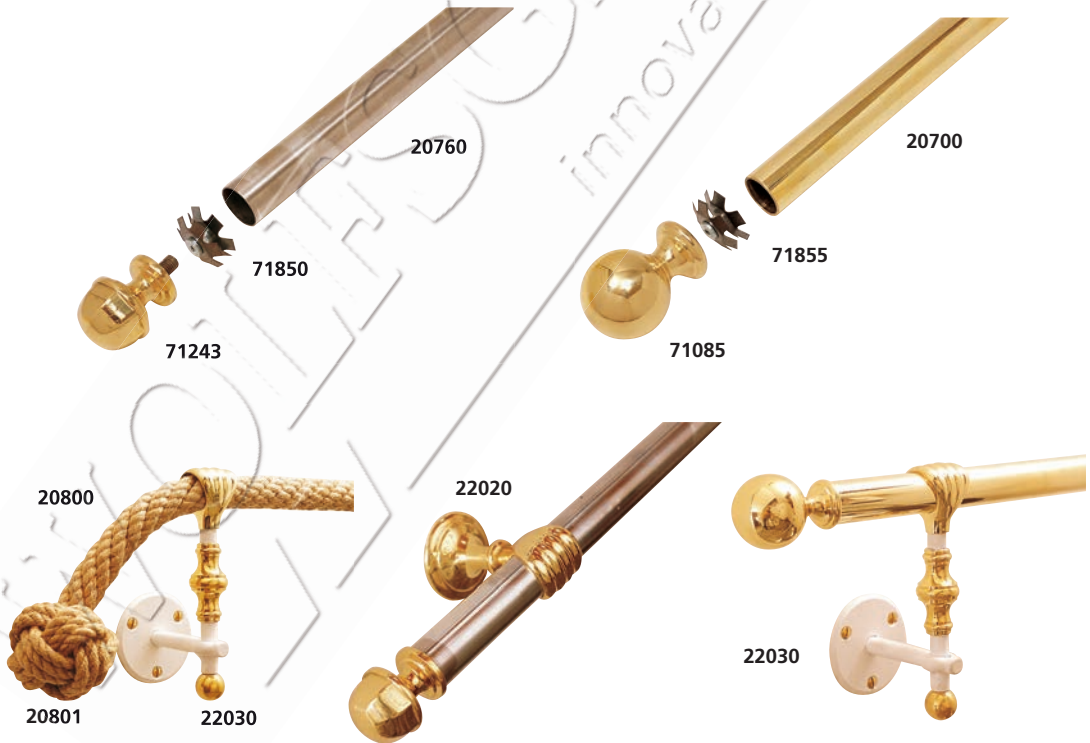
ART.	FORO LOCH HOLE	KG	FILETTO GEWINDE THREAD
22010	Ø30 mm	1,12	M 14

ART.	FORO LOCH HOLE	KG	FILETTO GEWINDE THREAD
22020	Ø30 mm	0,34	M 8

ART.	FORO LOCH HOLE	KG
22030	Ø30 mm	0,78

ART.	MAT.	KG
22040	Ø14 mm	0,78

esempi d'impiego - Anwendungsbeispiele - examples of application





sfere cave
Hohlkugeln
hollow spheres

ART.	Ø mm	FILETTO GEWINDE THREAD	KG	dorato vergoldet gilder
70050	50	M 8	0,15	Art. 7G0050
70065	65	M 10	0,30	Art. 7G0065
70075	75	M 10	0,39	Art. 7G0075
70085	85	M 10	0,51	Art. 7G0085
70100	100	M 10	0,53	Art. 7G0100
70120	120	M 10	1,06	



sfere piene
Massivkugeln
hollow spheres

ART.	Ø mm	FILETTO GEWINDE THREAD	KG	dorato vergoldet gilder
70220	20	M 6	0,03	Art. 7G0220
70225	25	M 6	0,06	Art. 7G0225
70230	30	M 6	0,11	Art. 7G0230
70235	35	M 8	0,18	Art. 7G0235
70240	40	M 8	0,27	Art. 7G0240



sfere piene con foro cieco
Massivkugeln mit Sackloch
solid spheres with blind hole

ART.	MAT.	FOUR LOCH HOLE	dorato vergoldet gilder
71271	Ø20	Ø10,3	
71272	Ø20	Ø12,3	Art. 7G1272
71274	Ø20	Ø14,3	Art. 7G1274
71276	Ø25	Ø12,3	Art. 7G1276
71278	Ø25	Ø14,3	Art. 7G1278



sfere piene tornite
Massivkugeln drehblank
solid spheres bright late worked

ART.	Ø mm	FILETTO GEWINDE THREAD	KG
70410	10	M 4	0,01
70412	12	M 4	0,01
70414	14	M 5	0,01
70416	16	M 5	0,02
70420	20	M 6	0,03
70425	25	M 6	0,06
70430	30	M 6	0,11
70435	35	M 8	0,18
70440	40	M 8	0,27



ottone lucidato e verniciato a forno • Messing hochglanzpoliert und einbrennlackiert • brass highly polished, stove enamelled



dorado
vergoldet
gilder
Art. 7G1030

ART.	SEDE ANSATZ LUG	FILETTO GEWINDE THREAD	KG
71030	Ø16 mm	M 6	0,05



dorado
vergoldet
gilder
Art. 7G1050

ART.	SEDE ANSATZ LUG	FILETTO GEWINDE THREAD	KG
71050	Ø30 mm	M 10	0,19



dorado
vergoldet
gilder
Art. 7G1058

ART.	SEDE ANSATZ LUG	FILETTO GEWINDE THREAD	KG
71058	Ø34 mm	M 10	0,27



dorado
vergoldet
gilder
Art. 7G1075

ART.	SEDE ANSATZ LUG	FILETTO GEWINDE THREAD	KG
71075	Ø42,8 mm	M 10	0,50



dorado
vergoldet
gilder
Art. 7G1085

ART.	SEDE ANSATZ LUG	FILETTO GEWINDE THREAD	KG
71085	Ø42,8 mm	M 10	0,72
	Ø48,8 mm		





FINALI DECORATIVI • ZIERAUFSÄTZE • ORNAMENTAL CAPS

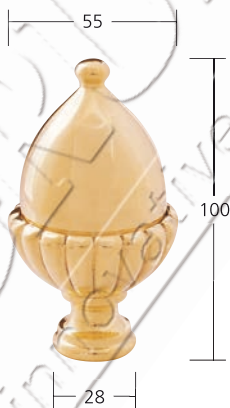
ottone lucidato e verniciato a forno • Messing hochglanzpoliert und einbrennlackiert • brass highly polished, stove enamelled



ART.	SEDE ANSATZ LUG	FILETTO GEWINDE THREAD	KG
71243	Ø30 mm	M 10	0,18



ART.	SEDE ANSATZ LUG	FILETTO GEWINDE THREAD	KG
71260	Ø30 mm	M 10	0,27



ART.	FILETTO GEWINDE THREAD	KG
71255	M 8	0,28



ART.	SEDE ANSATZ LUG	FILETTO GEWINDE THREAD	KG
71250	Ø26 mm	M 10	0,25



ART.	FILETTO GEWINDE THREAD	KG
71333	M 10	0,10



ART.	FILETTO GEWINDE THREAD	KG
71343	M 10	0,16



ART.	FILETTO GEWINDE THREAD	KG
71328	M 6	0,04

ottone lucidato e verniciato a forno • Messing hochglanzpoliert und einbrennlackiert • brass highly polished, stove enamelled



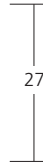
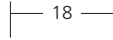
ART.	MAT.	FOUR LOCH HOLE	KG
71252	Ø20x16	Ø12,3	kg
71254	Ø20x16	Ø14,3	kg

71252	Ø20x16	Ø12,3	kg
71254	Ø20x16	Ø14,3	kg

dorato
vergoldet
gilder

Art. 7G1252

Art. 7G1254



ART.	SEDE ANSATZ LUG	KG
71432	Ø12 mm	0,02

dorato
vergoldet
gilder

Art. 7G1432



ART.	MAT.	FOUR LOCH HOLE	KG
71262	Ø20x16	Ø12,3	kg
71264	Ø20x16	Ø14,3	kg

71262	Ø20x16	Ø12,3	kg
71264	Ø20x16	Ø14,3	kg

dorato
vergoldet
gilder

Art. 7G1262

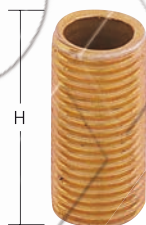
Art. 7G1264



WOLFFSGRUPPE
innovate



bussolle con filetto esterno
Gewindehülsen
threaded coupling



ART.	FILETTOG EWINDE THREAD	H
71830	M 10x1	20
71840	M 10x1	40

inserto per fissaggio di finali
Verschraubungseinsatz
thread joint



ART.	FILETTO GEWINDE THREAD	PER TUBI FÜR ROHRE FOR TUBES	KG
71850	M 10	Ø30	0,006
71855	M 10	Ø42,4	0,018

dadi ciechi con calotta sferica
Hutmutter
cap nuts



ART.	FILETTO GEWINDE THREAD
71815	M 5
71816	M 6

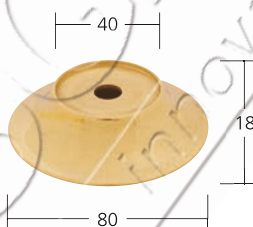
dado
Mutter
hexagon nut



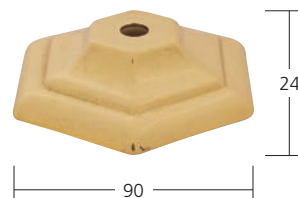
ART.	FILETTO GEWINDE THREAD
71810	M 10x1



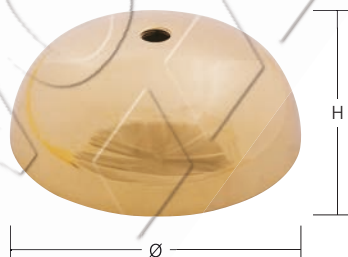
ART.	FORO LOCH HOLE	KG
72170	Ø10	0,09



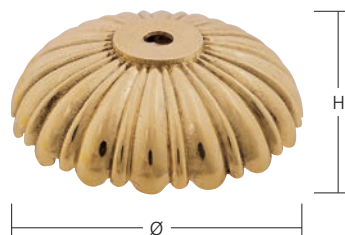
ART.	FORO LOCH HOLE	KG
72175	Ø10	0,10



ART.	FORO LOCH HOLE	KG
72180	Ø10	0,10



ART.	Ø mm	H mm	FORO LOCH HOLE	KG
72185	85	33	Ø10	0,16
72188	96	37	Ø10	0,30



ART.	Ø mm	H mm	FORO LOCH HOLE	KG
72190	90	34	Ø10	0,16
72195	110	34	Ø10	0,25

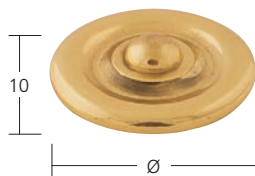


ROSETTE ORNAMENTALI • ZIERROSETTEN • ORNAMENTAL ROSETTES

ottone lucidato e verniciato a forno • Messing hochglanzpoliert und einbrennlackiert • brass highly polished, stove enamelled



ART.	FORO LOCH HOLE	KG
72245	Ø10	0,02



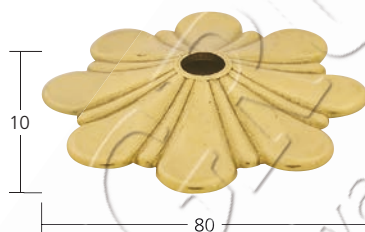
ART.	Ø mm	FILETTO GEWINDE THREAD	KG
72236	36	M 8	0,04
72250	50	M 8	0,06



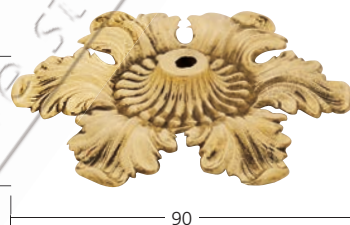
ART.	FORO LOCH HOLE	KG
72258	Ø10	0,06



ART.	FORO LOCH HOLE	KG
72265	M 5	0,08



ART.	FORO LOCH HOLE	KG
72280	Ø10	0,06



ART.	FORO LOCH HOLE	KG
72290	Ø10	0,06

lucidate e protette con nylon - poliert und foliengeschützt - polished and foil coated



ART.	Ø mm	SPESSORE STÄRKE THICKNESS	KG
73033	33	4 mm	0,03
73040	40	4 mm	0,04
73050	50	4 mm	0,07
73060	60	4 mm	0,09
73070	70	4 mm	0,13
73080	80	6 mm	0,25
73100	100	6 mm	0,40

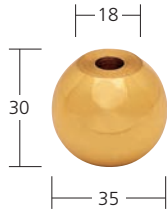


ART.	Ø mm	SPESSORE STÄRKE THICKNESS	KG
73255	55	4 mm	0,06
73292	92	4 mm	0,18

ottone lucidato e verniciato a forno • Messing hochglanzpoliert und einbrennlackiert • brass highly polished, stove enamelled



ART.	FORO LOCH HOLE	KG
75125	Ø35 Ø12,2	
75130	Ø40 Ø14,2	

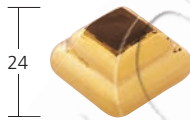


ART.	FORO LOCH HOLE	KG
75135	Ø8,5 mm	0,16

dorato
vergoldet
gilder
7G5135



ART.	FORO LOCH HOLE	KG
75140	Ø10,5 mm	0,24



ART.	FORO LOCH HOLE	KG
75145	□ 14,4 mm	0,08

□ 35x35



ART.	FORO LOCH HOLE	KG
75150	Ø14,4	
75151	Ø12,2	

dorato
vergoldet
gilder
7G5151



ART.	FORO LOCH HOLE	FILETTO GEWINDE THREAD	KG
75155	Ø28 mm	M 10x1	0,10

lettere e numeri civici decorativi
 Dekorative Hausnummern - Buchstaben
 decorative house numbers and letters

120
 37

ART.	FILETT GEWINDE THREAD
77010-0	M 6
" -"	"
" -"	"
" -"	"
77010-9	M 6

120
 abcde

ART.	FILETT GEWINDE THREAD
77020-a	M 6
" -b	"
" -c	"
" -d	"
77020-e	M 6

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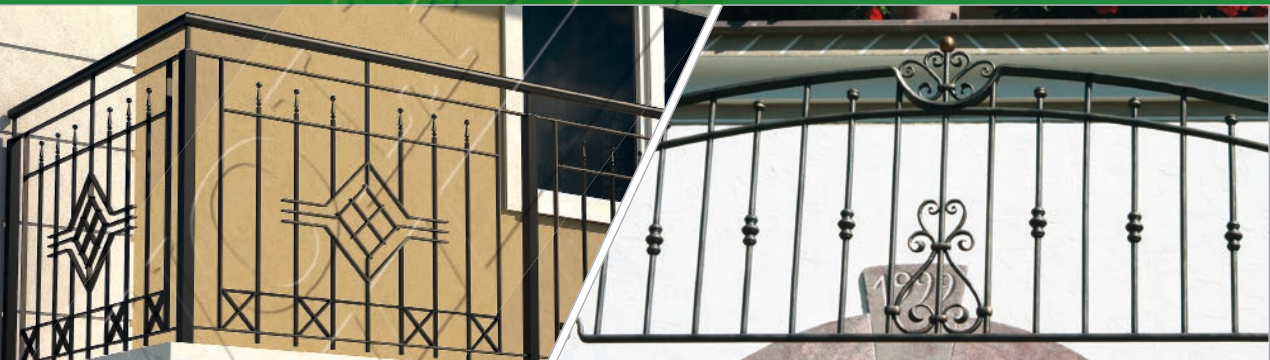
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