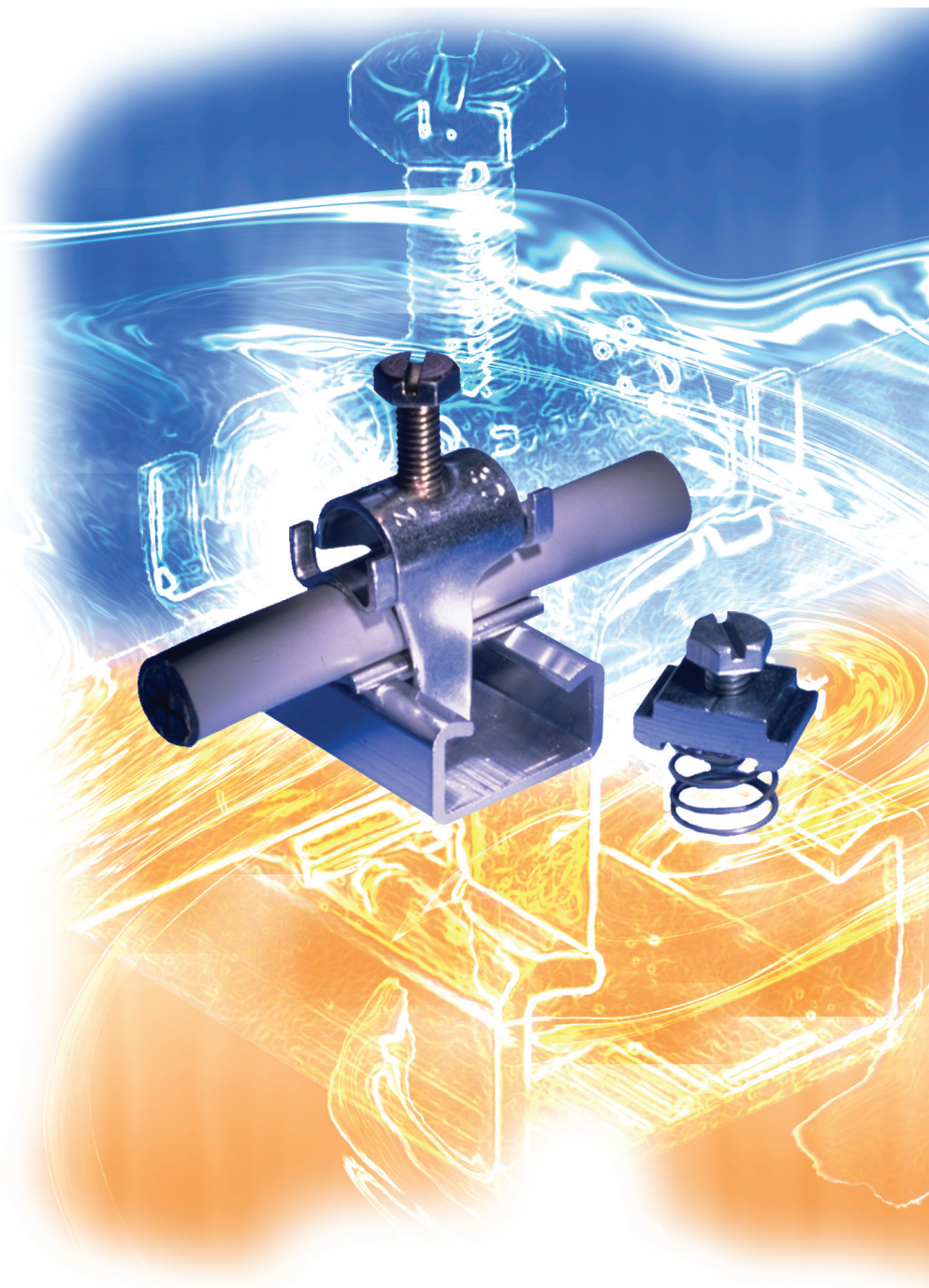
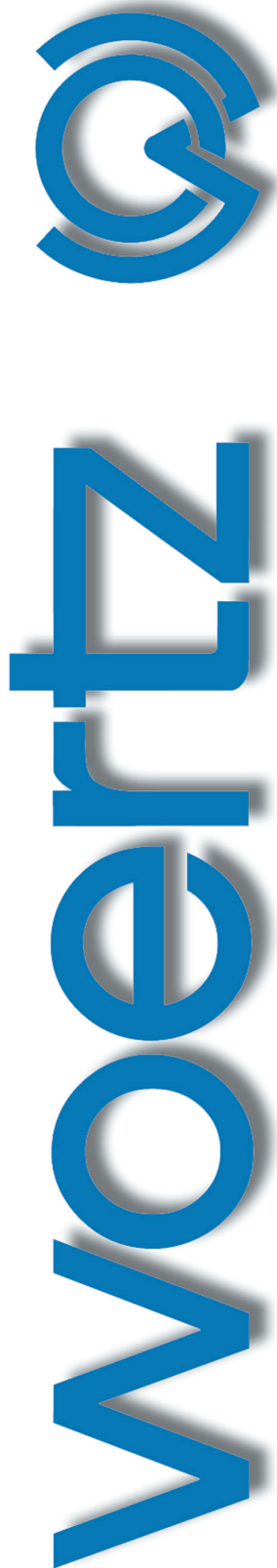


FIXING TECHNOLOGY



Woertz AG

Hofackerstrasse 47, P.O. Box 948, CH-4132 Muttenz 1, Switzerland

Phone ++41 (0)61 466 33 33, Fax ++41 (0)61 461 96 06

www.woertz.ch

Woertz USA

151 Discovery Drive, Unit 111

Colmar, PA 18915

Phone (215) 997 8855, Fax (800) 522-3868

www.woertz-usa.com, e-mail: woertz1@erols.com

Structure of the catalog

general information

suitable rails

article description

order number

technical data

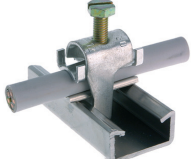
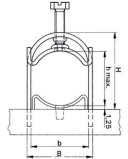
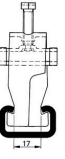
suitable accessories

2.1.1

catalog register 2

section 1

page number

Cable fixing brackets of hardened aluminium alloy to profile bars No. 4382, 4383 and 80291							
 - with slotted hexagonal screw of chromate coated steel (yellow) - base plates are always required when laying cables Torque see table on page 2.1.27		  					
 Article numbers cable fixing brackets without base plate		4350	4351	4352	4353	4354	4355
 Technical data							
Ø	mm	8-12	12-16	16-20	20-25	25-32	32-40
B	mm	17	22	26	32	38	48
H	mm	25	30	34	40	47	56
b	mm	14	18	22	27	33	42
h	mm	15	20	24	29	36	42
Packing unit	pcs	100	100	100	100	100	100
 Accessories							
 Base plates		4340	4341	4342	4343	4344	4345
 Packing unit		100	100	100	100	100	100
 Article numbers cable fixing brackets without base plate		4356	4357	4357/1	4357/2	4358	4359
 Technical data							
Ø	mm	40-48	48-56	56-64	64-70	70-80	80-90
B	mm	56	64	74	83	94	100
H	mm	64	73	82	87	98	110
b	mm	50	58	66	71	86	92
h	mm	51	59	69	74	84	96
Packing unit	pcs	50	50	50	30	25	25
 Accessories							
 Base plates		4346	4347	4347/1	4347/2	4348	4348
 Packing unit		50	50	50	50	25	25
woertz							

 Profile bar type 4384
 Profile bar type 4382
 Profile bar type 4383
 Combined rail 80291
 Anchoring studs for rectangular profiles produced by other companies

Introduction pages 2.1.4 + 2.1.5

Fixing technology pages 2.1.6 to 2.1.26

Rails overview	page 2.1.6
Profile bar 22 x 12 x 1.5 mm	page 2.1.7
Cable fixing brackets of aluminium alloy to profile bar 22 x 12 x 1.5 mm	page 2.1.8
Anchoring studs of galvanized steel to profile bar 22 x 12 x 1.5 mm	page 2.1.9
Profile bar 29 x 15 x 2 mm	page 2.1.10
Profile bar 32 x 18 x 3 mm	page 2.1.11
Combined rail of hardened aluminium alloy	page 2.1.12
Cable fixing brackets of hardened aluminium alloy	page 2.1.13
Cable fixing brackets of stainless steel A4	page 2.1.14
Triangular cable fixing brackets of hardened aluminium alloy	page 2.1.15
Multistep cable fixing brackets of hardened aluminium alloy	page 2.1.16
Anchoring studs and washers of galvanized steel	page 2.1.17
Anchoring studs and washers of stainless steel A4	page 2.1.18
Special anchoring studs and washers of galvanized steel	page 2.1.19
Components for switchboards and frames	pages 2.1.20-2.1.21
Hexagon bolt M6	page 2.1.22
Cable clamps	page 2.1.23
Cable bushing	page 2.1.24
Supports for electric meters of aluminium profile	page 2.1.25
Rigid marking strips	page 2.1.26

Introduction

Company profile

The Woertz company was founded in 1928; our head office is in MuttENZ near Basle, Switzerland.

We are a family business with about 220 employees known as a quality manufacturer of circuitry accessories, installation systems and electronic control systems.

Our goals are:

- security,
- user-friendliness,
- and easy handling of our products.

We are certified according to ISO 9001 and ISO 14001.

Our range of products includes:

- terminals, junction boxes, grounding products, surge protection devices, anchor channels and anchoring studs
- flat cable installation systems
- floor ducts, double floor systems, under-window ducts
- electronic modules and interfaces.

The circuitry accessories and the electronic control systems are produced in our headquarters in MuttENZ, the duct and double floor systems in the branch located in Hölstein.

MuttENZ head office



Hofackerstrasse 47, CH-4132 MuttENZ, Switzerland
Tel. ++41 (0)61 / 466 33 33
Fax ++41 (0)61 / 461 96 06

Hölstein branch



Bärenmattenstrasse 3, CH - 4434 Hölstein, Switzerland
Tel. ++ 41 (0)61 / 956 56 56
Fax ++ 41 (0)61 / 956 56 70



**The Swiss Association
for Quality and Management Systems**

SQS herewith certifies that the company named below has a management system
which meets the requirements of the normative bases specified below
and issues the company

Woertz AG
CH-4132 MuttENZ 1

Certified area

Whole Company, location MuttENZ and Hölstein

Field of activity

Electrical accessories, Installation systems

on the basis of the audit result the

SQS Certificate
ISO 9001:2000 / ISO 14001:1996

CH-3052 Zollikofen, 25 June 2002

This SQS Certificate is valid up to and including 24 June 2005

Scope numbers 19, 14

Registration number 10501-06

Managing Director SQS

T. Zahner

President SQS

Prof. Dr. H. D. Seghezzi



The SQS certificate ISO 9001 was issued to us 1987 for the first time and renewed regularly. ISO 14001 since 1996.

Rails overview



Profile bars

Profile bars for anchoring studs, cable fixing brackets, components for switchboards and constructions of any kind.

Type	Illustration	Kind of material	Material thickness	Standard lengths	Rails and accessories
4384 		bright steel	1.5 mm	3 m	pages 2.1.7 to 2.1.9
		galvanized steel	1.5 mm	3 m	
4382 		aluminium	2 mm	3 m and 6 m	page 2.1.10, pages 2.1.13-2.1.18, pages 2.1.22 + 2.1.23
		bright steel	2 mm	3 m and 6 m	
		galvanized steel	2 mm	3 m and 6 m	
		stainless steel A2	2 mm	3 m and 6 m	
4383 		aluminium	3 mm	3 m and 6 m	page 2.1.11, pages 2.1.13-2.1.18 pages 2.1.20-2.1.23
		bright steel	3 mm	3 m and 6 m	
		galvanized steel	3 mm	3 m and 6 m	
		stainless steel A2	3 mm	3 m and 6 m	



Combined rail

Combined rail with external flanks according to EN 60715 TH35.

For clipping on terminals and appliances according to DIN35.

Internal profile for receiving anchoring studs series No. 4420 and cable fixing brackets series No. 4350.

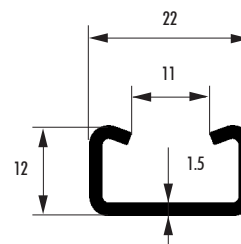
Article number	Illustration	Kind of material	Material thickness	Standard lengths	Rails and accessories
80291 		aluminium	1.8 mm	2m, 3 m or 6 m	page 2.1.12 page 2.1.13 page 2.1.16 page 2.1.17 page 2.1.22

Profile bar

22 x 12 x 1.5 mm



- two versions are available:
bright steel and galvanized steel
- length 3 m
- With a price supplement for the cut,
the profile bars may be delivered in
any desired length.
- With a price supplement, the profile
bars can also be delivered with
fastening holes or steel straps for
embedding in concrete.



Article numbers

	bright steel	galvanized steel	
length 3 m	4384R/3M	4384RZ/3M	



General data

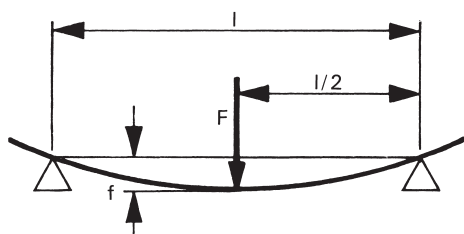
weight	g/m	560	600	
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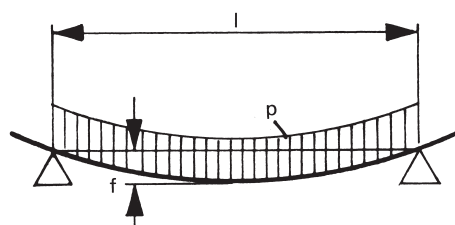
Features

Load capacity of the profile bars

Point load



Line load



Static values for profile bars of bright steel or galvanized steel

l in mm	250	500	750	1000	l in mm	250	500	750	1000
F max. in N	390	97	43	30.2	p max. in N/mm	2.48	0.31	0.09	0.05
f in mm	0.5	1.0	1.5	2.5	f in mm	0.5	1.0	1.5	2.5

Notice

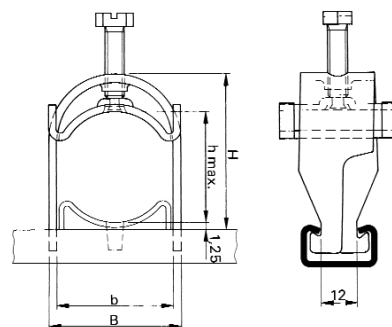
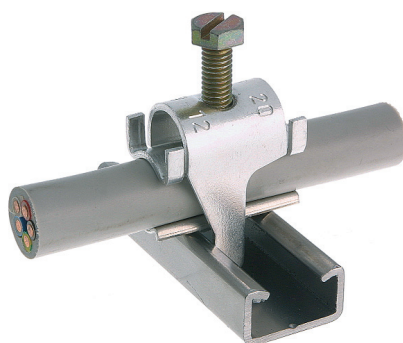
The flexion F of the profile bars may
be max. 1/400 of the span l.

Cable fixing brackets of aluminium alloy

to profile bar No. 4384



- with slotted hexagonal screw of chromate coated steel (yellow)
- base plates are always required when laying cables



Article numbers

cable fixing brackets
without base plate

43695

43641

43627

43692

43675

43636



Technical data

Ø	mm	8-12	12-16	16-20	20-25	25-32	32-40
B	mm	17	22	26	32	38	48
H	mm	25	30	34	40	47	56
b	mm	14	18	22	27	33	42
h	mm	15	20	24	29	36	42
Packing unit	pcs	100	100	100	100	100	100



Accessories

Base plates



43663

43639

43665

43652

43680

43655

Packing unit

pcs

100

100

100

100

100

100



Article numbers

cable fixing brackets
without base plate

43671

43640



Technical data

Ø	mm	40-48	48-56
B	mm	56	64
H	mm	64	73
b	mm	50	58
h	mm	51	59
Packing unit	pcs	50	50



Accessories

Base plates



43659

43688

Packing unit

pcs

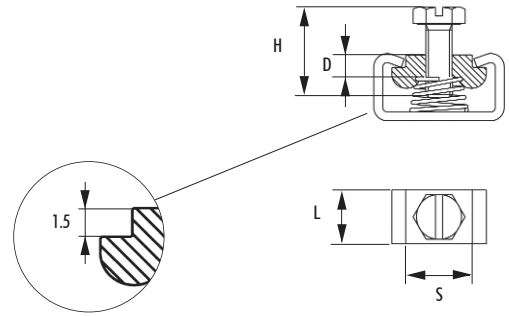
50

50

Anchoring studs of galvanized steel to profile bar No. 4384



- two versions are available:
with screw, with spring or
without screw, with spring



Article numbers

with screw, with spring

M4

6850/4

M5

6850/5

M6

6850/6

without screw, with spring

6850/40S

6850/50S

6850/60S



Technical data

L

mm

13

13

13

D

mm

5

5

5

H

mm

12

12

12

S

mm

10.6

10.6

10.6

Packing unit

pcs

100

100

100



Accessories

Washers
(without thread)



6857M4

6857M5

6857M6

Ø

mm

20 x 4.5 x 1.5

20 x 5.5 x 1.5

20 x 6.5 x 1.5

Packing unit

pcs

100

100

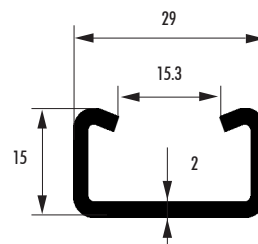
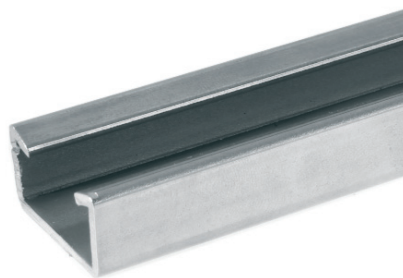
100

Profile bar

29 x 15 x 2 mm



- four versions are available
- length 3 m or 6 m
- With a price supplement for the cut, the profile bars may be delivered in any desired length.
- With a price supplement, the profile bars can also be delivered with fastening holes or steel straps for embedding in concrete.



Article numbers

	bright steel	galvanized steel	aluminium alloy	stainless steel (INOX)A2
length 3 m	4382R/3M	4382RZ/3M	4382A/3M	4382IN/3M
length 6 m	4382R/6M	4382RZ/6M	4382A/6M	4382IN/6M



General data

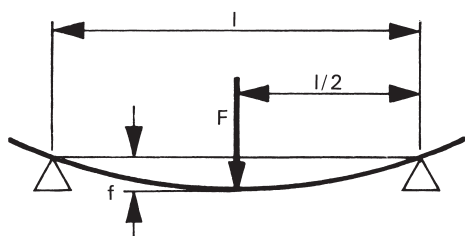
weight	g/m			
		950	1000	330
				950



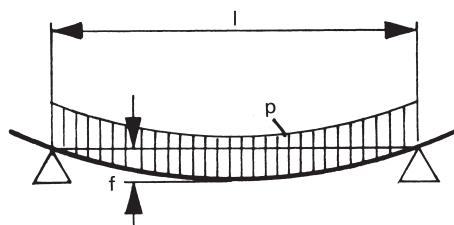
Features

Load capacity of the profile bars

Point load



Line load



Static values for profile bars of bright steel or galvanized steel

l in mm	250	500	750	1000	l in mm	250	500	750	1000
F max. in N	1030	258	115	80	p max. in N/mm	6.6	0.83	0.24	0.13
f in mm	0.5	1.0	1.5	2.5	f in mm	0.5	1.0	1.5	2.5

Static values for profile bars of stainless steel

l in mm	250	500	750	1000	l in mm	250	500	750	1000
F max. in N	983	246	109	77	p max. in N/mm	6.3	0.79	0.23	0.12
f in mm	0.5	1.0	1.5	2.5	f in mm	0.5	1.0	1.5	2.5

Static values for aluminium profile bars

l in mm	250	500	750	1000	l in mm	250	500	750	1000
F max. in N	343	86	38	27	p max. in N/mm	2.2	0.27	0.08	0.04
f in mm	0.5	1.0	1.5	2.5	f in mm	0.5	1.0	1.5	2.5

Notice

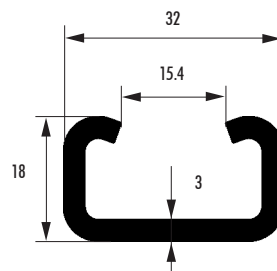
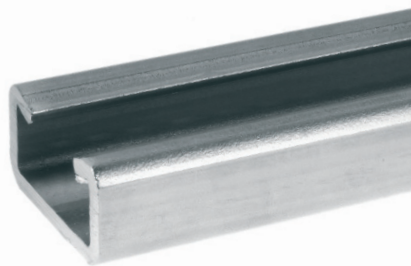
The flexion F of the profile bars may be max. 1/400 of the span l.

Profile bar

32 x 18 x 3 mm



- four versions are available
- length 3 m or 6 m
- With a price supplement for the cut, the profile bars may be delivered in any desired length.
- With a price supplement, the profile bars can also be delivered with fastening holes or steel straps for embedding in concrete.



Article numbers

	bright steel	galvanized steel	aluminium alloy	stainless steel (INOX) A2
length 3 m	4383R/3M	4383RZ/3M	4383A/3M	4383IN/3M
length 6 m	4383R/6M	4383RZ/6M	4383A/6M	4383IN/6M

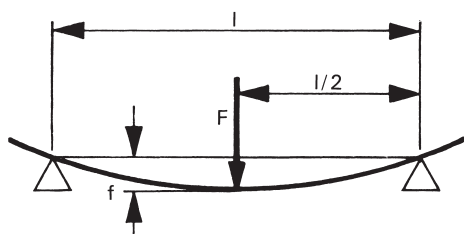


General data

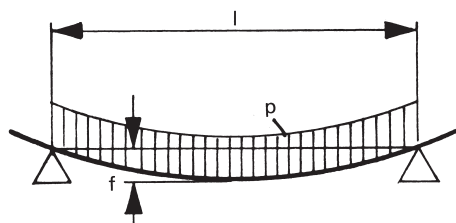
weight	g/m	1600	1650	530	1600
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Load capacity of the profile bars

Point load



Line load



Static values for profile bars of bright steel or galvanized steel

l in mm	250	500	750	1000	l in mm	250	500	750	1000
F max. in N	2300	576	256	180	p max. in N/mm	14.75	1.84	0.55	0.29
f in mm	0.5	1.0	1.5	2.5	f in mm	0.5	1.0	1.5	2.5

Notice

The flexion F of the profile bars may be max. 1/400 of the span l.

Static values for profile bars of stainless steel

l in mm	250	500	750	1000	l in mm	250	500	750	1000
F max. in N	2190	548	244	171	p max. in N/mm	14.0	1.75	0.52	0.27
f in mm	0.5	1.0	1.5	2.5	f in mm	0.5	1.0	1.5	2.5

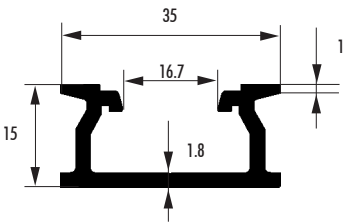
Static values for aluminium profile bars

l in mm	250	500	750	1000	l in mm	250	500	750	1000
F max. in N	766	192	85	60	p max. in N/mm	4.92	0.61	0.18	0.09
f in mm	0.5	1.0	1.5	2.5	f in mm	0.5	1.0	1.5	2.5

Combined rail of hardened aluminium alloy



- external flanks according to EN 60715 TH35
- for clipping on terminals and appliances according to DIN35
- Internal profile for receiving anchoring studs series No. 4420 and cable fixing brackets series No. 4350



Article numbers

length 2 m	80291/2M
length 3 m	80291/3M
length 6 m	80291/6M



General data

Corresponds to the thermal resistance to short-circuits of a Cu conductor of:	85 mm²
weight g/m	379

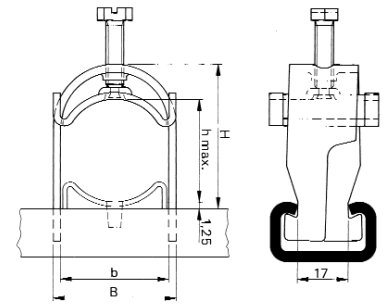
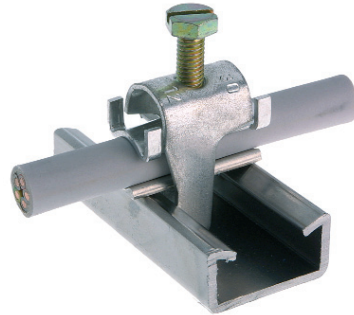
Cable fixing brackets of hardened aluminium alloy

to profile bars No. 4382, 4383 and 80291



- with slotted hexagonal screw of chromate coated steel (yellow)
- base plates are always required when laying cables

Torque
see table on page 2.1.27



N° Article numbers

cable fixing brackets
without base plate

4350

4351

4352

4353

4354

4355

xLh Technical data

Ø	mm	8-12	12-16	16-20	20-25	25-32	32-40
B	mm	17	22	26	32	38	48
H	mm	25	30	34	40	47	56
b	mm	14	18	22	27	33	42
h	mm	15	20	24	29	36	42
Packing unit	pcs	100	100	100	100	100	100

LSMe Accessories

Base plates



4340

4341

4342

4343

4344

4345

Packing unit

pcs

100

100

100

100

100

100

N° Article numbers

cable fixing brackets
without base plate

4356

4357

4357/1

4357/2

4358

4359

xLh Technical data

Ø	mm	40-48	48-56	56-64	64-70	70-80	80-90
B	mm	56	64	74	83	94	100
H	mm	64	73	82	87	98	110
b	mm	50	58	66	71	86	92
h	mm	51	59	69	74	84	96
Packing unit	pcs	50	50	50	30	25	25

LSMe Accessories

Base plates



4346

4347

4347/1

4347/2

4348

4348

Packing unit

pcs

50

50

50

50

25

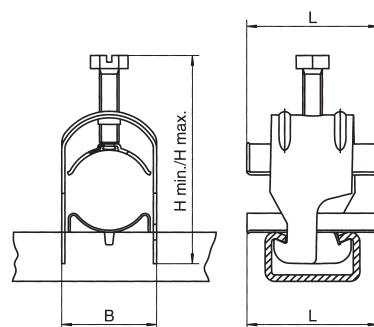
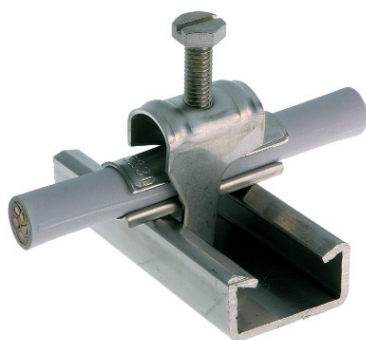
25

Cable fixing brackets of stainless steel A4

to profile bars No. 4382IN and 4383IN



- with slotted hexagonal screw, stainless
- base plates are always required when laying cables



Article numbers

cable fixing brackets
without base plate

43230

43231

43232

43233

43234

43235



Technical data

Ø	mm	8-12	12-16	16-20	20-25	25-32	32-40
B	mm	15.5	19.5	24	29.5	37	45.5
H _{min}	mm	37	41	45	50	57	65
H _{max}	mm	56	60	64	69	76	84
L	mm	40	40	40	40	40	40
Packing unit	pcs	100	100	100	100	100	100



Accessories

Base plates



43230U

43231U

43232U

43233U

43234U

43235U

Packing unit

pcs

100

100

100

100

100

100



Article numbers

cable fixing brackets
without base plate

43236

43237

43238

43239

43240

43241



Technical data

Ø	mm	40-48	48-56	56-64	60-70	70-80	80-90
B	mm	56	64	72	78	88	98
H _{min}	mm	88	96	104	108	118	128
H _{max}	mm	106	114	122	128	138	148
L	mm	60	60	60	60	60	60
Packing unit	pcs	25	100	25	25	25	25



Accessories

Base plates



43236U

43237U

43238U

43239U

43240U

43241U

Packing unit

pcs

100

100

100

100

100

50

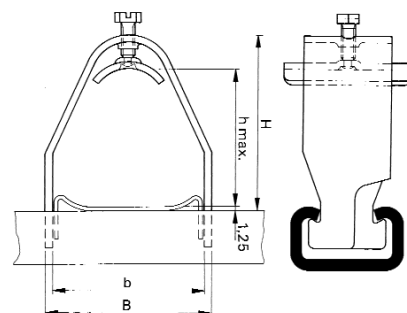
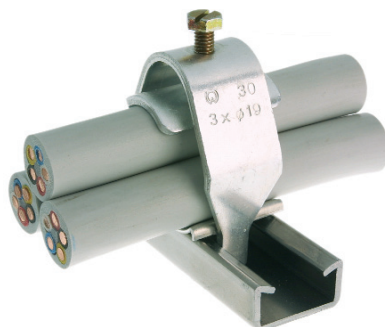
Triangular cable fixing brackets of hardened aluminium alloy

to profile bars No. 4382 and 4383



- with slotted hexagonal screw of chromate coated steel (yellow)
- base plates are always required when laying cables

Torque
see table on page 2.1.27



Article numbers

Cable fixing brackets
without base plate

4331

4332

4333

4339

4334

4335



Technical data

	mm ²	95	120	150	185	240	300
Ø	mm	3 x 19	3 x 22	3 x 24	3 x 27	3 x 30	3 x 33
B	mm	46	52	56	62	68	74
H	mm	51	57	61	69	71	77
b	mm	40	46	50	56	62	68
h	mm	39	45	49	57	59	65
Packing unit	pcs	100	100	100	50	50	50



Accessories

Base plates



4331U

4332U

4333U

4339U

4334U

4335U

Packing unit

pcs

100

100

100

100

100

100



Article numbers

Cable fixing brackets
without base plate

4336

4337

4338



Technical data

	mm ²	400	500	600	
Ø	mm	3 x 37	3 x 42	3 x 48	
B	mm	84	94	106	
H	mm	87	95	109	
b	mm	76	86	98	
h	mm	72	80	94	
Packing unit	pcs	50	50	50	



Accessories

Base plates



4336U

4337U

4338U

Packing unit

pcs

50

50

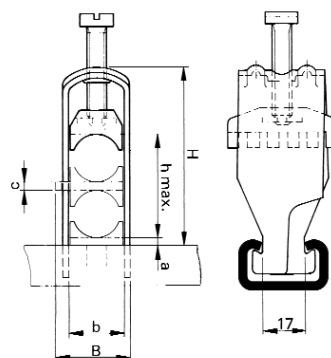
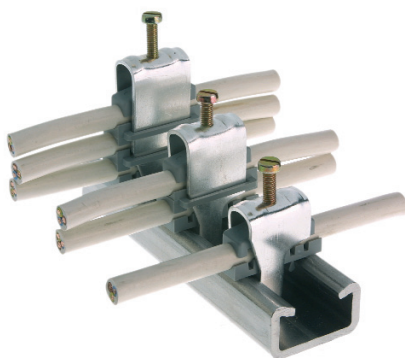
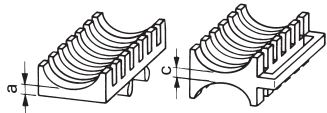
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Multistep cable fixing brackets of hardened aluminium alloy

to profile bars No. 4382, 4383 and 80291



- with cylinder screws of chromate coated steel (yellow)
- pressure part, base plates and intermediate pieces of polyamide



No Article numbers

one-step
cable fixing brackets without base plate
two-step
cable fixing brackets without interme-
diate piece and without base plate

7840

7841

7842

7843

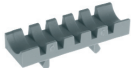
7840/2

7841/2

xh Technical data

Ø	mm	6-9	9-12	12-16	16-20	6-9	9-12
B	mm	13	17	21	25	15	19
H	mm	24	29	34	36	35	43
b	mm	10	14	18	22	10	14
h	mm	14	17	21	23	24	31
a+c	mm	2	2	2.5	2.5	4	4
Packing unit	pcs	100	100	100	100	100	100

SMe Accessories

Base plates		7845	7846	7847	7848	7845	7846
Packing unit pcs		100	100	100	100	100	100
Intermediate pieces						7845/1	7846/1
Packing unit pcs						100	100

No Article numbers

two-step
cable fixing brackets without interme-
diate piece and without base plate

7842/2

7843/2

three-step
cable fixing brackets without interme-
diate piece and without base plate

7840/3

7841/3

7842/3

7843/3

xh Technical data

Ø	mm	12-16	16-20	6-9	9-12	12-16	16-20
B	mm	23	27	15	19	23	27
H	mm	51	60	46	57	71	83
b	mm	18	22	10	14	18	22
h	mm	38	47	35	45	58	70
a+c	mm	5	5	6	6	7.5	7.5
Packing unit	pcs	100	100	100	100	100	100

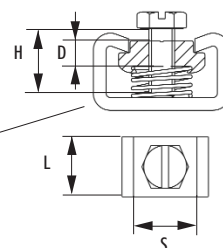
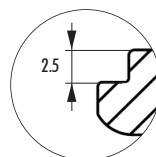
SMe Accessories

Base plates		7847	7848	7845	7846	7847	7848
Packing unit pcs		100	100	100	100	100	100
Intermediate pieces		7847/1	7848/1	2 x 7845/1	2 x 7846/1	2 x 7847/1	2 x 7848/1
Packing unit pcs		100	100	2 x 100	2 x 100	2 x 100	2 x 100

Anchoring studs and washers of galvanized steel to profile bars No. 4382, 4383 and 80291



- three versions are available:
- with screw, with spring
- without screw, with spring
- without screw, without spring



 Article No.	M 3	M 4	M 5	M 6	M 8	M 10
with screw, with spring	4420/3	4420/4	4420/5	4420/6	4420/8	4420/10
without screw, with spring	4420/30S	4420/40S	4420/50S	4420/60S	4420/80S	4420/100S
without screw, without spring	4420/30F	4420/40F	4420/50F	4420/60F	4420/80F	4420/100F

Technical data

L	mm	14	14	14	14	20	25
D	mm	6	6	6	6	6	6
H	mm	16	16	16	16	16	16
S	mm	14.8	14.8	14.8	14.8	14.8	14.8
Packing unit	pcs	100	100	100	100	100	100

Accessories

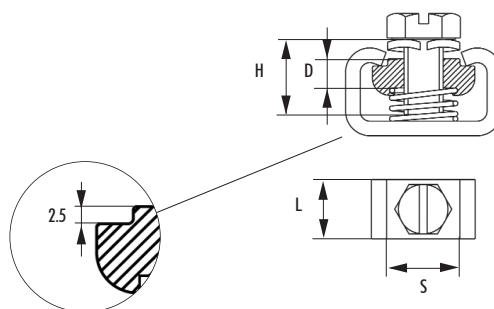
Washers of galvanized sheet steel (without thread)		/	4367M4	4367M5	4367M6	4367M8	4367M10
Ø	mm		30 x 4.5 x 3	30 x 5.5 x 3	30 x 6.5 x 3	30 x 8.5 x 3	30 x 10.5 x 3
Packing unit	pcs		100	100	100	100	100

Anchoring studs and washers of stainless steel A4

to profile bars No. 4382IN and 4383IN



- two versions are available:
with screw, with spring ring, with spring
without screw, without spring ring, with spring



Article numbers

with screw, with spring ring, with spring

M 4

44320/4

M 6

44320/6

M 8

44320/8

without screw, without spring ring, with spring

44320/40S

44320/60S

44320/80S



Technical data

L mm
D mm
H mm
S mm

14

6

16

14.8

14

6

16

14.8

14

6

16

14.8

Packing unit pcs

100

100

100



Accessories

Washers
of stainless sheet steel
(without thread)



80321/4

80321/6

80321/8

Ø mm

30 x 4.5 x 3

30 x 6.5 x 3

30 x 8.5 x 3

Packing unit pcs

100

100

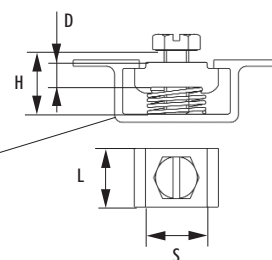
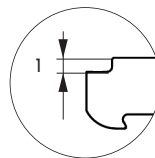
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Special anchoring studs and washers of galvanized steel

for rectangular profiles



- for fastening appliances
- three versions are available:
with screw, with spring
without screw, with spring
without screw, without spring



Article No.

	M 3	M 4	M 5	M 6	M 8	M 10
with screw, with spring	44420/3	44420/4	44420/5	44420/6	44420/8	44420/10
without screw, with spring	44420/30S	44420/40S	44420/50S	44420/60S	44420/80S	44420/100S
without screw, without spring	44420/30F	44420/40F	44420/50F	44420/60F	44420/80F	44420/100F



Technical data

L	mm	14	14	14	14	20	25
D	mm	6	6	6	6	6	6
H	mm	16	16	16	16	16	16
S	mm	14.8	14.8	14.8	14.8	14.8	14.8
Packing unit	pcs	100	100	100	100	100	100



Accessories

Washers of galvanized sheet steel (without thread)		/	4367M4	4367M5	4367M6	4367M8	4367M10
Ø	mm		30 x 4.5 x 3	30 x 5.5 x 3	30 x 6.5 x 3	30 x 8.5 x 3	30 x 10.5 x 3
Packing unit	pcs		100	100	100	100	100

Note

Switchboard profiles



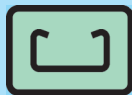
C30 rails



Slot width 15 mm
Material thickness over 1 mm

Components for switchboards and frames

of 3mm galvanized sheet steel
with slotted hexagonal screws of galvanized steel M6 x 16, spring rings and anchoring studs
for inserting into profile bar No. 4383



T-junction piece

Article number	Illustration	Dimension illustration	Technical data
4421			also suitable as knee on switchboards Packing unit: 20 pcs



Crossing pieces

4422			Packing unit: 20 pcs
4419			Packing unit: 25 pcs



Knees

4423			Type D Packing unit: 10 pcs
4424			Type E Packing unit: 10 pcs



Bend

4425			Heavy type, welded, with 4 screws and 2 anchoring plates, length 50 mm Packing unit: 20 pcs
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Bend

Article number	Illustration	Dimension illustration	Technical data
4426			Lighter type, with 2 screws Packing unit: 25 pcs



Junction piece for mounting rails

53511			with anchoring stud and 2 screws Packing unit: 100 pcs
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End cover

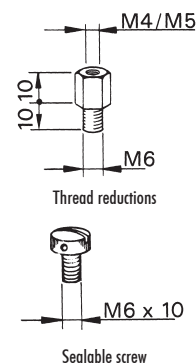
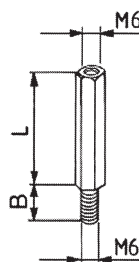
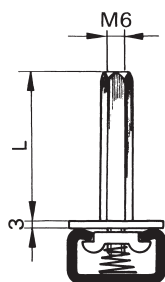
53509			for lateral closing of rails No. 4383 of 1mm galvanized sheet steel Packing unit: 1 pcs

Hexagon bolt M6

of galvanized steel



- with inside thread M6
- with outside thread M6
- for screwing into anchoring stud No. 4420/60S + washer No. 4367M6 or for screwing on profile bars No. 4382, 4383 and 80291



Article numbers

Hexagon bolt
galvanized

4441/10

4441/20

4441/30

4441/40

4441/50

4441/60



Technical data

inside thread length L	mm	5	8	10	10	10	10
outside thread length B	mm	8	8	10	10	10	10
Packing unit	pcs	100	100	100	100	100	100



Article numbers

Hexagon bolt
galvanized

4441/70

4441/80

4441/90



Technical data

inside thread length L	mm	10	10	10
outside thread length B	mm	10	10	10
Packing unit	pcs	100	100	100



Accessories

Thread
reductions



inside M4 / outside M6
inside thread length 8.5 mm
outside thread length 10 mm
Packing unit

pcs

4446

100

inside M5 / outside M6
inside thread length 8.5 mm
outside thread length 10 mm
Packing unit

pcs

4447

100

Sealable
screw M6x10
of nickel-plated brass



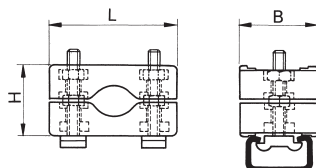
pcs

4445

100



- of shock-proof thermosetting plastic, black
- for inserting into profile bars No. 4382 and 4383
- with threaded bolt of galvanized steel
- with welded anchoring stud



Article numbers

for 1 cable

4398

4399

for 2 cables, superposed

4398A

4399A



Technical data

Cable Ø	mm	22-31	32-49	22-31	32-49
B	mm	38	38	38	38
L	mm	70	90	70	90
H	mm	43	63	86	126
Threaded bolt		M6x50	M8x70	M6x110	M8x130
Packing unit	pcs	25	15	15	25



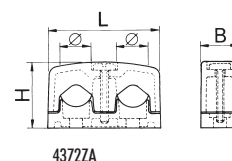
- of shock-proof thermosetting plastic, black
- for screwing on



4283ZA



4372ZA



4372ZA



Article numbers

for 1 cable

4282ZA

4283ZA

4378ZA

4379ZA

4380ZA

for 2 cables, side by side

4372ZA



Technical data

Fastening screws for upper part		1	1	1	2	2	2
Cable Ø	mm	7-10	7-10	9-12	8-16	18-26	24-42
B	mm	12	12	13	16	20	22
L	mm	24	34	26	40	50	66
H	mm	18	20	20	28	40	51
Packing unit	pcs	100	100	100	50	50	25

Cable bushing



- bushings with cover
- of highly shock-proof plastic
- for connecting cables with plug of tabletop units, such as calculators, letter-opening machines, franking machines, copying machines, fans, desk lamps, etc.



Article numbers

slate grey RAL 7015
80301

light ivory RAL 1015
80302



Technical data

Packing unit

pcs

25

25

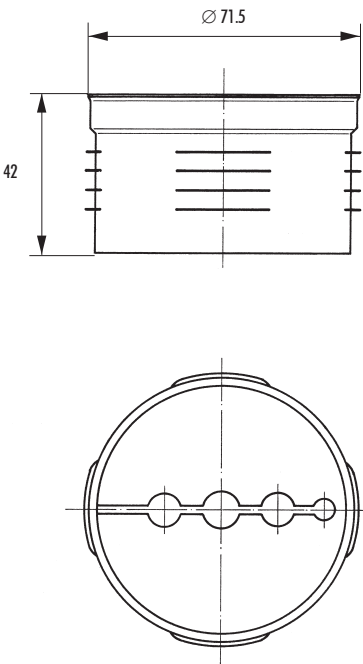


Accessories

Procedure

Mill hole with diameter of 70 mm into core board of desk or slab of bank or postal-office counter. Press the self-wedging plastic collar of the bushing into the 70mm hole. Put the connecting cables with the plugs down through the collar.

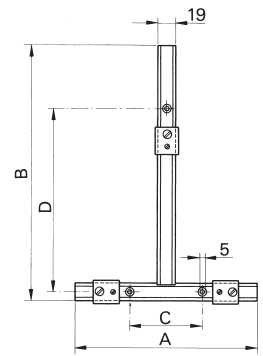
Snap on the cover, which has three apertures for cables with a diameter of ca. 10 mm.



Supports for electric meters of aluminium profile



- for fastening with countersunk screws M5
- with 1 vertical adjustable sliding clamp, 30mm long, of nickel-plated brass, with 1 stud bolt M5 and 1 rounded head screw M5
- with 2 horizontal adjustable sliding clamps, 30mm long, of nickel-plated brass, with 1 stud bolt M5, 1 rounded head screw M5 and 1 spacer sleeve, 5.5mm long
- for fastening counters, clock timers, etc.



Article numbers

41760

41761

41764

41765



Technical data

A	mm	185	200	225	225
B	mm	350	280	315	375
C	mm	80	80	210	210
D	mm	200	200	280	340
Packing unit	pcs	50	50	25	25



Accessories

Adjustable
sliding clamp
vertical,
30 mm long,
of nickel-pla-
ted brass with 1 stud bolt M5,
1 rounded head screw M5



Packing unit pcs

41763

without spacer sleeve

50

Adjustable
sliding clamp
horizontal,
30 mm long,
of nickel-pla-
ted brass with 1 stud bolt M5,
1 rounded head screw M5 and
1 spacer sleeve, 5.5 mm long



Packing unit pcs

41763

50

Aluminium profile
Art. No. 4050A of which the supports
for electric meters are made, see leaflet
"Screw terminals", page 1.1.134

Rigid marking strips



- of aluminium profile
- with threaded, white cardboard and threaded, transparent cellophane strip
- without lateral end pieces



4075/1L



Article numbers

with fastening holes 3.5mm Ø
each 50mm

4075/1L



Technical data

Length	mm	1000
Total width	mm	17
Width of window	mm	12
Packing unit	pcs	25



Accessories

End piece
of aluminium



4076

Packing unit pcs

100

Torques of cable fixing brackets of aluminium alloy

Cable fixing brackets SVE C-30 with bases UE C-30

Art. No.	Diameter range mm	TT single con- ductor cable	Torque Nm
4350	8-12	35 mm ²	1.4
4351	12-16	70 mm ²	1.6
4352	16-20	120 mm ²	1.6
4353	20-25	185 mm ²	1.8
4354	25-32	300 mm ²	1.8
4355	32-40	500 mm ²	2.3
4356	40-48	630 mm ²	2.5
4357	48-56	Alu-Sekt. Leiter-Kabel	2.8

Cable fixing brackets SVE C-30 with bases UE C-30

Art. No.	Diameter range mm	TT multi-con- ductor cable	Torque Nm
4350	8-12	5 x 4 mm ²	1.4
4351	12-16	5 x 6 mm ²	1.5
4352	16-20	5 x 10 mm ²	1.5
4353	20-25	5 x 16 mm ²	1.5
4354	25-32	5 x 25 mm ²	1.5
4355	32-40	5 x 50 mm ²	1.9
4356	40-48	5 x 95 mm ²	2.1
4357	48-56	5 x 120 mm ²	2.3
4357/1	56-64	5 x 150 mm ²	2.3

Triangular cable fixing brackets SVD C-30 with bases UE C-30

Art. No.	Diameter range mm	TT single con- ductor cable	Torque Nm
4331	3 x 19	95 mm ²	2.2
4332	3 x 22	120 mm ²	2.2
4333	3 x 24	150 mm ²	2.2
4339	3 x 27	185 mm ²	2.2
4334	3 x 30	240 mm ²	2.4
4335	3 x 33	300 mm ²	2.4
4336	3 x 37	400 mm ²	2.4
4337	3 x 42	500 mm ²	2.7
4338	3 x 48	600 mm ²	2.9

Cable fixing brackets SVE C-30 without base

Art. No.	Diameter range mm	Duct diameter mm	Torque Nm
4350	8-12	13.5	1.8
4351	12-16	17	2.1
4352	16-20	21.5	2.2
4353	20-25	27	2.4
4354	25-32	34	2.4
4355	32-40	42.5	3
4356	40-48	48.5	3
4357	48-56	-	-
4357/1	56-64	60.5	3
4357/2	64-70	-	-
4358	70-80	76	3
4359	80-90	89	3

