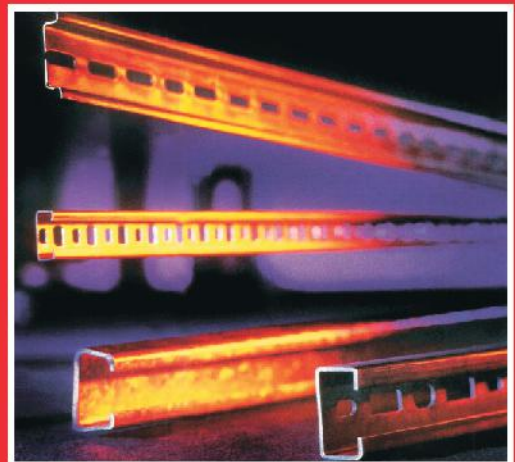
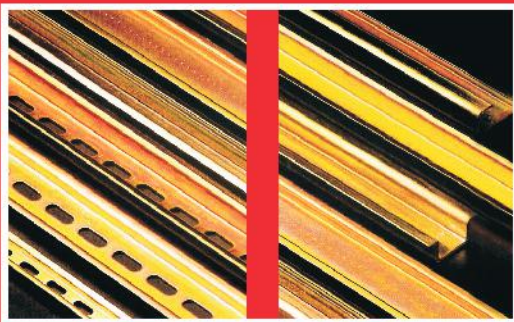
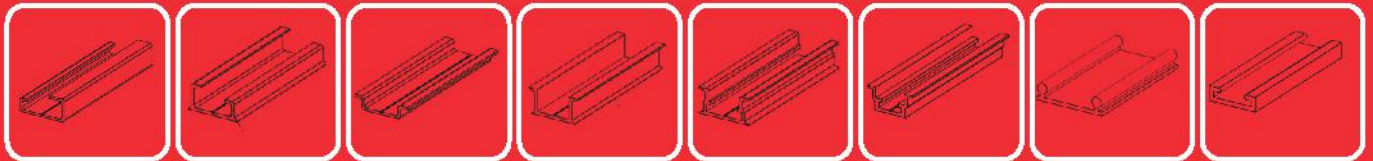


RAIL SYSTEM RANGE

- **TOP-HAT RAILS**
 - **CARRIER RAILS**
 - **PROFILE RAILS**
- IN STEEL AND ALUMINIUM**

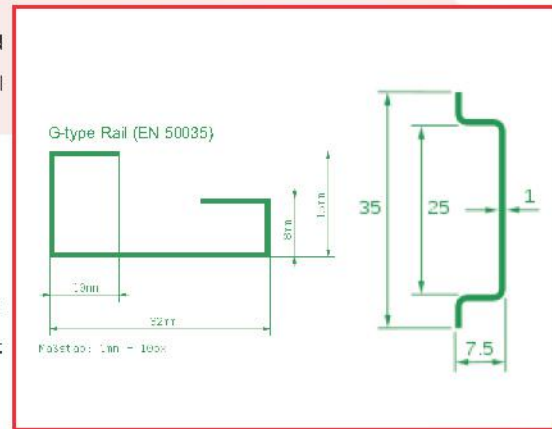


TECHNICAL INFORMATION

A DIN rail or top-hat rail is a standardized 35 mm wide metal rail with hat-shaped cross section. It is widely used for mounting circuit breakers and industrial control equipment inside equipment racks.

In addition to the popular 35 mm x 7.5 mm top-hat rail (EN 50022, BS 5584, DIN 46277-3), several less widely used types of mounting rails have been standardized:

- * Miniature top-hat rail, 15 mm x 5.5 mm (EN 50045, BS 6273, DIN 46277-2);
- * 75 mm wide top-hat rail (EN 50023, BS 5585);
- * G-type rail (EN 50035, BS 5825, DIN 46277-1).



35 mm DIN rail with mounted circuit breaker

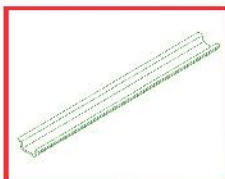


Electrical equipment is mounted onto 35 mm DIN rail

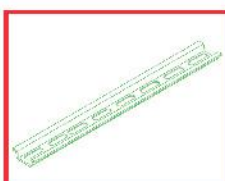
References

- * European Standard EN 50022: Specification for low voltage switchgear and control-gear for industrial use. Mounting rails. Top hat rails 35 mm wide for snap-on mounting of equipment. (formerly: German Standard DIN 46277, British Standard BS 5584)
- * IEC International Standard 60715: Dimensions of low-voltage switchgear and control-gear. Standardized mounting on rails for mechanical support of electrical devices in switchgear and control-gear installations.

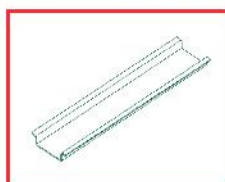
TOP-HAT RAILS



Type	Surface	Pack Qty	Order No.
THR 1122	ST	50	1022320101
THR 1123	FS	50	1022320102
THR 1124	GC	50	1022320103
THR 1125	FT	50	1022320104



Type	Surface	Pack Qty	Order No.
THR 1132	ST	50	1022320105
THR 1133	FS	50	1022320106
THR 1134	GC	50	1022320107
THR 1135	FT	50	1022320108



Type	Surface	Pack Qty	Order No.
THR 1142	ST	50	1022320101
THR 1143	FS	50	1022320101
THR 1144	GC	50	1022320101
THR 1145	FT	50	1022320101

Accessories available

Terminal End Brackets See Page: B33



Type	Surface	Pack Qty	Order No.
THR 1152	ST	50	1022320109
THR 1153	FS	50	1022320110
THR 1154	GC	50	1022320111
THR 1155	FT	50	1022320112

Accessories available

Terminal End Brackets See Page: B33



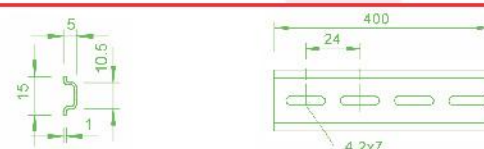
Top-hat rail to DIN EN 50045 (formerly DIN 46277 Part 2)

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



Top-hat rail to DIN EN 50045 (formerly DIN 46277 Part 2)

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



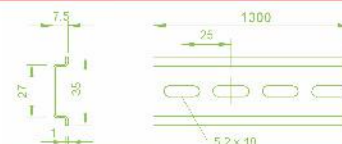
Top-hat rail 35 x 7.5 mm to DIN EN 50022

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



Top-hat rail 35 x 7.5 mm to DIN EN 50022

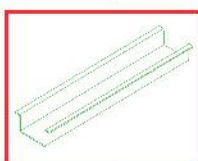
Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

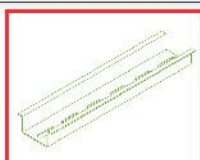
TOP-HAT RAILS



Type	Surface	Pack Qty	Order No.
THR 1162	ST	50	1022320201
			1022320202
THR 1164	GC	50	1022320203
			1022320204

Accessories available

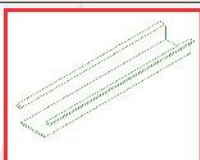
Terminal End Brackets See Page: B33



Type	Surface	Pack Qty	Order No.
THR 1172	ST	50	1022320205
			1022320206
THR 1174	GC	50	1022320207
			1022320208

Accessories available

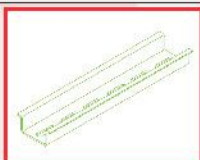
Terminal End Brackets See Page: B33



Type	Surface	Pack Qty	Order No.
THR 1182	ST	50	1022320209
			1022320210
THR 1184	GC	50	1022320211
			1022320212

Accessories available

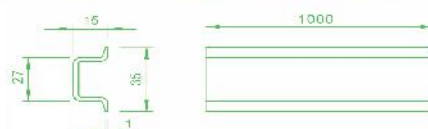
Terminal End Brackets See Page: B33



Type	Surface	Pack Qty	Order No.
THR 1192	ST	50	1022320213
			1022320214
THR 1194	GC	50	1022320215
			1022320216

Accessories available

Terminal End Brackets See Page: B33



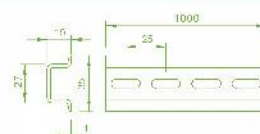
Top-hat rail 35 x 15 mm to DIN EN 50022

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



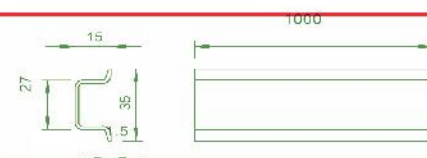
Top-hat rail 35 x 15 mm to DIN EN 50022

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



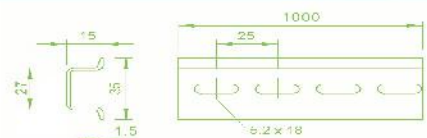
Top-hat rail similar to DIN EN 50022, but material 1.5 mm thick

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



Top-hat rail similar to DIN EN 50022, but material 1.5 mm thick

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

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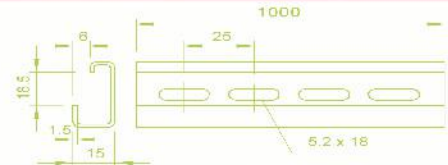
please always state the ordering number when ordering

CARRIER RAILS

Type	Surface	Pack Qty	Order No.
THR 2222	ST	30	1022320301
THR 2223	FS	30	1022320302
THR 2224	GC	30	1022320303
THR 2225	FT	30	1022320304

Accessories available

Long End Brackets	See Page: B34
Short End Brackets	See Page: B34



G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

Type	Surface	Pack Qty	Order No.
CR 2232	ST	30	1022320305
CR 2233	FS	30	1022320306
CR 2234	GC	30	1022320307
CR 2235	FT	30	1022320308

Accessories available

Long End Brackets	See Page: B34
Short End Brackets	See Page: B34



G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

PROFILE RAILS

Type	Surface	Pack Qty	Order No.
PR 3322	ST	50	1022320309
PR 3323	FS	50	1022320310
PR 3324	GC	50	1022320311
PR 3325	FT	50	1022320312

Accessories available

Cable Clamps ACF	See Page: B9
Cable Spacers 2049	See Page: B27



Material ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

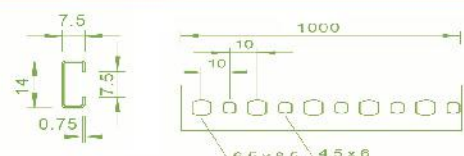
GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

Type	Surface	Pack Qty	Order No.
PR 3332	ST	50	1022320313
PR 3333	FS	50	1022320314
PR 3334	GC	50	1022320315
PR 3335	FT	50	1022320316

Accessories available

Cable Clamps ACF	See Page: B9
Cable Spacers 2049	See Page: B27



Material ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

PROFILE RAILS

Type	Surface	Pack Qty	Order No.
THR 3342	ST	50	1022320401
THR 3343	FS	50	1022320402
THR 3344	GC	50	1022320403
THR 3345	FT	50	1022320404

Accessories available

Cable Clamps HB	See Page: B11
Cable Clamps B	See Page: B13
Cable Spacers 2050, 2050B	See Page: B27
Cable Spacers 2051, 2051B	See Page: B28

Type	Surface	Pack Qty	Order No.
THR 3352	ST	50	1022320405
THR 3353	FS	50	1022320406
THR 3354	GC	50	1022320407
THR 3355	FT	50	1022320408

Accessories available

Cable Clamps HB	See Page: B11
Cable Clamps B	See Page: B13
Cable Spacers 2050, 2050B	See Page: B27
Cable Spacers 2051, 2051B	See Page: B28

Type	Surface	Pack Qty	Order No.
THR 3362	ST	50	1022320409
THR 3363	FS	50	1022320410
THR 3364	GC	50	1022320411
THR 3365	FT	50	1022320412

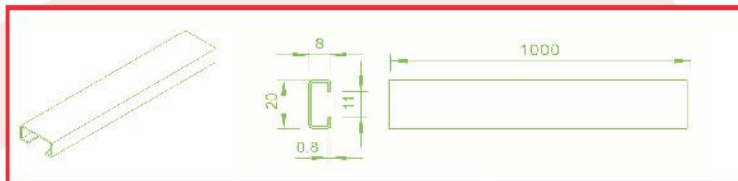
Accessories available

Cable Clamps HB	See Page: B11
Cable Spacers 2050, 2050B	See Page: B27
Cable Spacers 2051, 2051B	See Page: B28

Type	Surface	Pack Qty	Order No.
THR 3372	ST	50	1022320413
THR 3373	FS	50	1022320414
THR 3374	GC	50	1022320415
THR 3375	FT	50	1022320416

Accessories available

Cable Clamps HB	See Page: B11
Cable Spacers 2050, 2050B	See Page: B27
Cable Spacers 2051, 2051B	See Page: B28



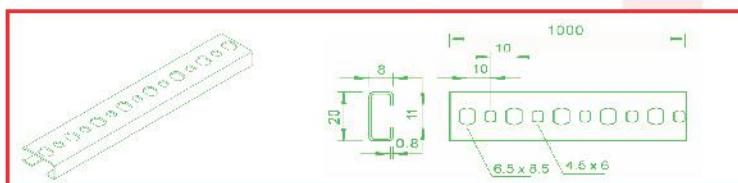
G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



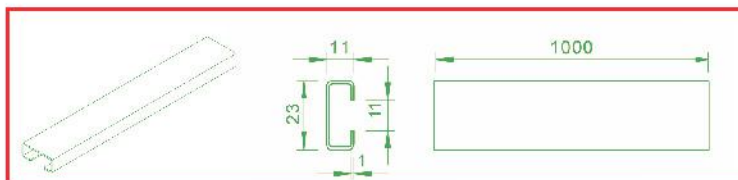
G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



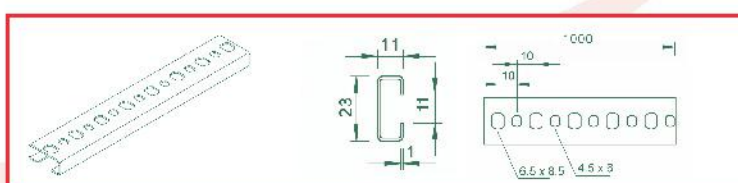
G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material: ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

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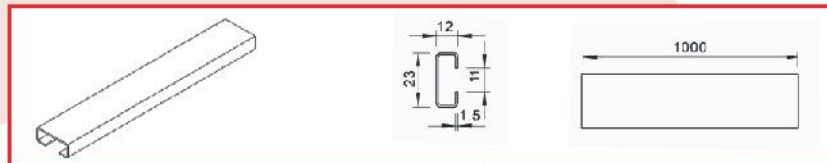
please always state the ordering number when ordering

PROFILE RAILS

Type	Surface	Pack Qty	Order No.
THR 3382	ST	25	1022320501
THR 3383	FS	25	1022320502
THR 3384	GC	25	1022320503
THR 3385	FT	25	1022320504

Accessories available

Cable Spacers 2050, 2050B	See Page: B27
Cable Spacers 2051, 2051B	See Page: B28



G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material

ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

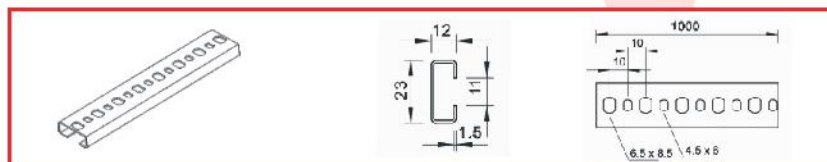
GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

Type	Surface	Pack Qty	Order No.
THR 3392	ST	25	1022320505
THR 3393	FS	25	1022320506
THR 3394	GC	25	1022320507
THR 3395	FT	25	1022320508

Accessories available

Cable Spacers 2050, 2050B	See Page: B27
Cable Spacers 2051, 2051B	See Page: B28



G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material

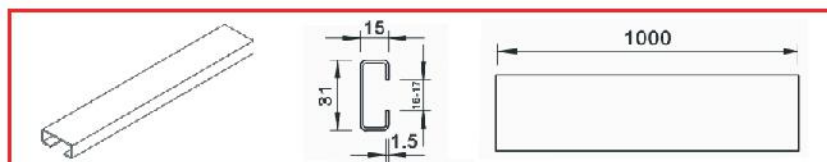
ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

Type	Surface	Pack Qty	Order No.
THR 3422	ST	30	1022320509
THR 3423	FS	30	1022320510
THR 3424	GC	30	1022320511
THR 3425	FT	30	1022320512



G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material

ST: Steel, Bright

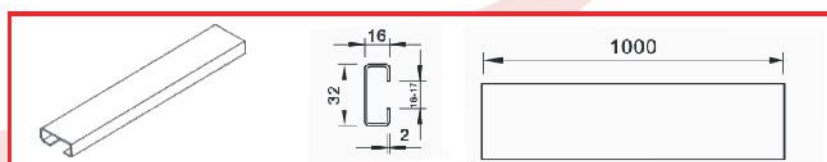
FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

Accessories available	
Cable Clamps H	See Page: B10
Cable Spacers 2054	See Page: B28
Cable Spacers 2055	See Page: B28

Type	Surface	Pack Qty	Order No.
THR 3432	ST	30	1022320513
THR 3433	FS	30	1022320514
THR 3434	GC	30	1022320515
THR 3435	FT	30	1022320516



G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material

ST: Steel, Bright

FS: Steel, Strip Galvanised to DIN EN 10147

GC: Steel, Electro-Galvanised and Yellow-Chromated

FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461

Accessories available

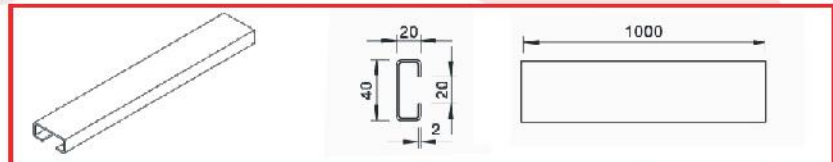
Cable Clamps H	See Page: B10
Cable Spacers 2054	See Page: B28
Cable Spacers 2055	See Page: B28

PROFILE RAILS

Type	Surface	Pack Qty	Order No.
THR 3442	ST	1	1022320601
THR 3443	FS	1	1022320602
THR 3444	GC	1	1022320603
THR 3445	FT	1	1022320604

G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material ST: Steel, Bright
FS: Steel, Strip Galvanised to DIN EN 10147
GC: Steel, Electro-Galvanised and Yellow-Chromated
FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



CABLE CLAMP RAILS

Type	Surface	Pack Qty	Order No.
CCR 4422	ST	1	1022320605
CCR 4423	FS	1	1022320606
CCR 4424	GC	1	1022320607
CCR 4425	FT	1	1022320608

Accessories available

Cable Clamps AC	See Page: B8
Cable Clamps HE	See Page: B12
Cable Clamps ES	See Page: B18

Type	Surface	Pack Qty	Order No.
CCR 4432	ST	1	1022320609
CCR 4433	FS	1	1022320610
CCR 4434	GC	1	1022320611
CCR 4435	FT	1	1022320612

Accessories available

Cable Clamps AC	See Page: B8
Cable Clamps HE	See Page: B12
Cable Clamps EF	See Page: B17

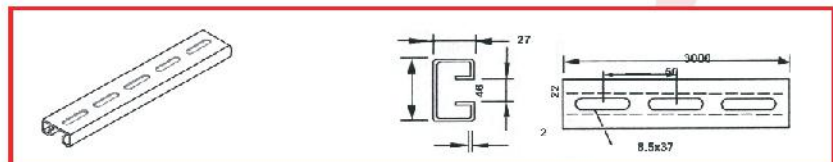
Type	Surface	Pack Qty	Order No.
CCR 4442	ST	1	1022320613
CCR 4443	FS	1	1022320614
CCR 4444	GC	1	1022320615
CCR 4445	FT	1	1022320616

Accessories available

Cable Clamps AC	See Page: B8
Cable Clamps HE	See Page: B12
Cable Clamps EF	See Page: B17

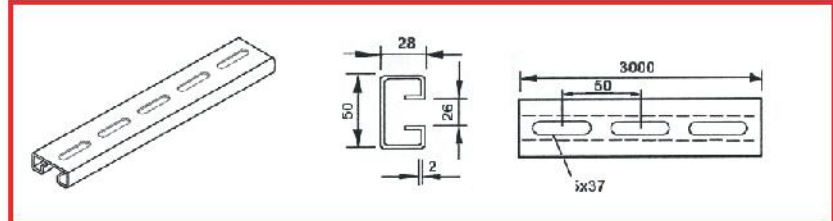
G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material ST: Steel, Bright
FS: Steel, Strip Galvanised to DIN EN 10147
GC: Steel, Electro-Galvanised and Yellow-Chromated
FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



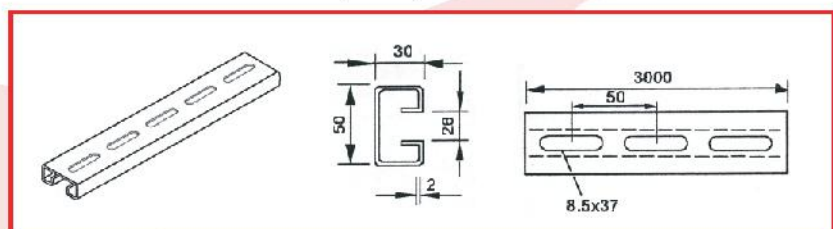
G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material ST: Steel, Bright
FS: Steel, Strip Galvanised to DIN EN 10147
GC: Steel, Electro-Galvanised and Yellow-Chromated
FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



G-rail to DIN EN 50035 (formerly DIN 46277 Part 1)

Material ST: Steel, Bright
FS: Steel, Strip Galvanised to DIN EN 10147
GC: Steel, Electro-Galvanised and Yellow-Chromated
FT: Steel, Hot-dip Galvanised to DIN EN ISO 1461



ALUMINIUM TOP-HAT RAILS

Type	LENGTH	Pack Qty	Order No.
AL THR 35/07	900	50	1022330101
AL THRL 35/07	2000	50	1022330102

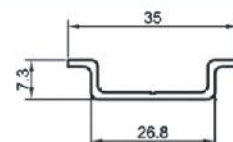
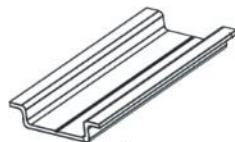
Dimensions are in Millimetres

Thickness: 1.5 mm

Material: Aluminium

Accessories available

Terminal End Brackets See Page: B33



Type	LENGTH	Pack Qty	Order No.
AL THR 31/17	2000	50	1022330103

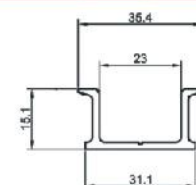
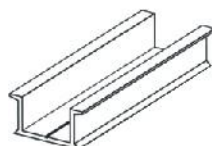
Dimensions are in Millimetres

Thickness: 2 mm

Material: Aluminium

Accessories available

Terminal End Brackets See Page: B33



Type	LENGTH	Pack Qty	Order No.
AL THR 35/17	2000	50	1022330104

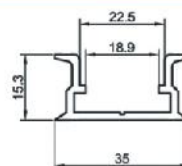
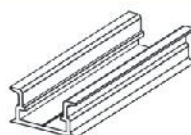
Dimensions are in Millimetres

Thickness: 2 mm

Material: Aluminium

Accessories available

Terminal End Brackets See Page: B33



Type	LENGTH	Pack Qty	Order No.
AL THR 35/15	2000	50	1022330105

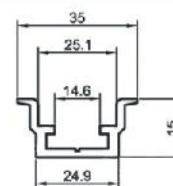
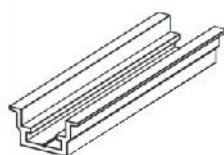
Dimensions are in Millimetres

Thickness: 2 mm

Material: Aluminium

Accessories available

Terminal End Brackets See Page: B33



ALUMINIUM CARRIER RAILS

Type	LENGTH	Pack Qty	Order No.
AL CR 33/15	900	50	1022330201
AL CRL 33/15	2000	50	1022330202

Dimensions are in Millimetres

Thickness: 1.5 mm

Material: Aluminium

Accessories available

Long End Brackets See Page: B34

Short End Brackets See Page: B34



Type	LENGTH	Pack Qty	Order No.
AL CR 35/17	2000	50	1022330203

Dimensions are in Millimetres

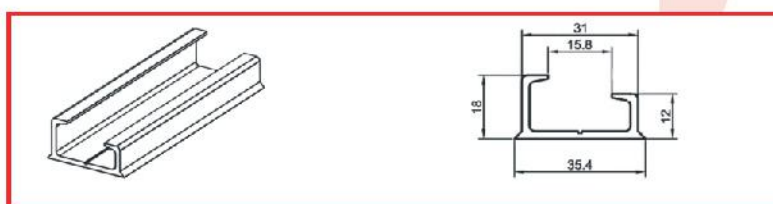
Thickness: 1.5 mm

Material: Aluminium

Accessories available

Long End Brackets See Page: B34

Short End Brackets See Page: B34



ALUMINIUM CELL LABEL

Type	LENGTH	Pack Qty	Order No.
AL CPL 27/14	2000	50	1022330204

Dimensions are in Millimetres

Thickness: 1.5 mm

Material: Aluminium



Type	LENGTH	Pack Qty	Order No.
AL CPL 17/05	2000	50	1022330205

Dimensions are in Millimetres

Thickness: 1.5 mm

Material: Aluminium



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please always state the ordering number when ordering