

Support Channels for Electrical, Instrument & HVAC

Electro / Instrument / Telecom

HVAC

Piping

Increased load capacity →



Data:

Type	Thickn. mm	Weight kg/m	Type	Thickn. mm	Weight kg/m	Type	Thickn. mm	Weight kg/m	Type	Thickn. mm	Weight kg/m
S-M CH50-1-3	1.5	1.3	S-M CH50-2-3	1.5	1.7	S-M CH100-1-3	1.5	1.7	S-M CH50-2T1,5-3	1.5	1.4
									S-M CH50-2T2-3	2.0	1.8
									S-M CH100-2T2-3	2.0	3.8

Ordering list:

Type states width and length

Type states width and length

Type states width and length

Type states width, material thickness and length

Type	Art. no. HDG	Art. no. SS	Type	Art. no. HDG	Art. no. SS	Type	Art. no. HDG	Art. no. SS	Type	Art. no. HDG	Art. no. SS
S-M CH50-1-3	1371684	1371687	S-M CH50-2-3	1302506	1371689	S-M CH100-1-3	1371649	1371685	S-M CH50-2T1,5-3	1372186	1372181*
									S-M CH50-2T2-3	1372187	1372182*
									S-M CH100-2T2-3	1372189	1372184*

*) The triangular SS channels are supplied non pickled and passivated as standard.
Article numbers for pickled and passivated are: 1372181P, 1372182P, 1372184P.

Calculation basis Channel material thickness (mm)

Channel Type:	CH50-1 (1.5) Double	CH50-2 (1.5mm)	CH100-1 (1.5) Single	CH100-1 (1.5) Double	CH50-2T (1.5mm)	CH50-2T (2mm)	CH100-2T (2mm)
A_E	305	215	214	427	222	222	461
I_{TE}	237	169	160	319	33 853	41 015	273 205
I_{XE}	127 000	81 598	31 4961	629 922	35 062	71 015	521 996
I_{YE}	44 790	81 598	11 960	40 000	55 062	71 015	521 996
W_{XP}	5 082	2 663	6 299	12 599	1 682	2 168	7 844
W_{YP}	1 991	2 663	762	1 850	1 682	2 168	7 844
C_{TP}	158	113	106	213	2 492	3 101	12 217

DW = Dead Weight
KN = Kilo Newton

A_E - Effective cross-section area (mm²)
 I_{TE} - Effective moment of inertia, torsion (mm⁴)
 I_{XE} - Effective moment of inertia, bending about X-axis (mm⁴)
 I_{YE} - Effective moment of inertia, bending about Y-axis (mm⁴)

W_{XP} - Moment of resistance, bending about X-axis, perforated (mm³)
 W_{YP} - Moment of resistance, bending about Y-axis, perforated (mm³)
 C_{TP} - Moment of resistance, torsion, perforated (mm³)

Support Channels for Piping & heavy loads

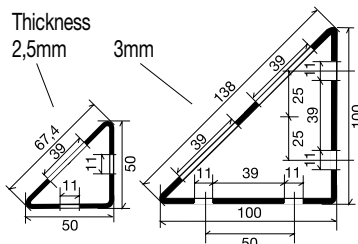
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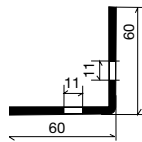
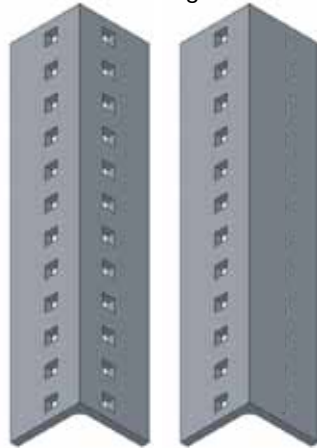
Mekano 50-2T Mekano 100-2T



S-M CH50-2T S-M CH100-2T

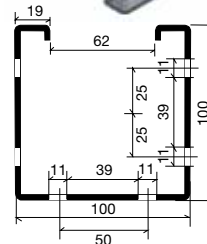
Mekano 60-2

Double and Single Perforated



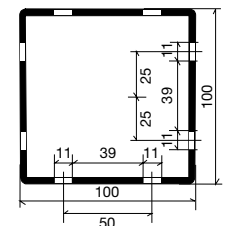
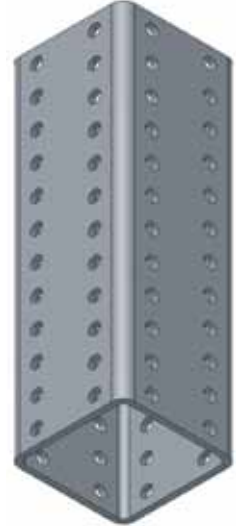
S-M CH60-2*
*) Made to order only

Mekano 100-3



S-M CH100-3*
*) Made to order only

Mekano 100-4



S-M CH100-4-3
S-M CH100-4-5

Type	Thickn. mm	Weight kg/m	Type	Thickn. mm	Weight kg/m	Type	Thickn. mm	Weight kg/m	Type	Thickn. mm	Weight kg/m
S-M CH50-2T2,5-3	2.5	2.4	S-M CH60-2-A-3	6	5.3	S-M CH100-3-2.5	2.5	5.3	S-M CH100-4-3-6	3	8.5
S-M CH100-2T3-3	3.0	6.0							S-M CH100-4-5-6	5	13.7

Type states width, material thickness and length

Type states width, material thickness and length

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Type states width, material thickness and length

Type	Art. no. HDG	Art. no. SS	Type	Art. no. HDG	Art. no. SS	Type	Art. no. HDG	Art. no. SS	Type	Art. no. HDG	Art. no. SS
S-M CH50-2T2,5-3	1372188	1372183*	Double perforated			S-M CH100-3-0.5	80912	80267	3mm thickness		
S-M CH100-2T3-3	1372190	1372185*	S-M CH60-2-A-3	1371432	1371430	S-M CH100-3-1	80913	80268	S-M CH100-4-3-6	1372525	1372526
			Single perforated			S-M CH100-3-1.25	80914	80460	5mm thickness		
			S-M CH60-2-B-3	1371431	1371429	S-M CH100-3-2.5	1372504	1372505	S-M CH100-4-5-6	1372530	1372531

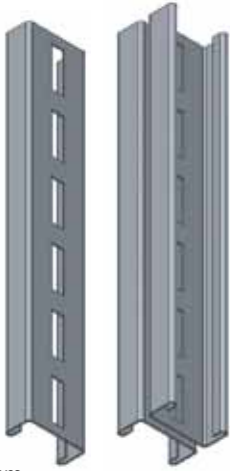
*) The triangular SS channels are supplied non pickled and passivated as standard.
Article numbers for pickled and passivated are: 1372181P, 1372182P, 1372184P.

CH50-2T (2.5mm)	CH100-2T (3mm)	CH60-2 (6mm)	CH100-3 (2.5mm)	CH100-4 (3mm)	CH100-4 (5mm)
240	722	633	777	1023	1 642
54 474	449 902	7 524	1 619	2 516 957	3 972 831
88 245	789 750	220 797	1 073 537	1 596 639	2 428 086
88 245	789 750	220 797	1 347 007	1 596 639	2 428 086
26 278	11 792	4 902	17 267	28 016	42 284
26 278	11 792	4 902	23 961	28 016	42 284
4 171	19 343	1 121	578	44 467	70 680

Channels are included in Staad.Pro (contact us for library)

Support Channels for Electrical, Instrument & HVAC

Mekano 50-1



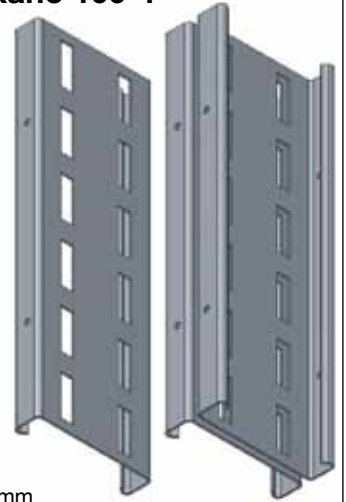
T: 1.5 mm

Type	Art. no. HDG	Art. no. SS
S-M CH50-1-3	1371684	1371687

Standard length = 3 m.

Other lengths as per your specific material take off requirement (MTO) can be provided as speciality products.

Mekano 100-1



T: 1.5 mm

Type	Art. no. HDG	Art. no. SS
S-M CH100-1-3	1371649	1371685



Mekano 100-2T



T: 2 mm

Type	Art. no. HDG	Art. no. SS
S-M CH100-2T2-3	1372189	1372184

Mekano 50-2T



T: 1.5 & 2 mm

Type	Art. no. HDG	Art. no. SS
S-M CH50-2T1,5-3	1372186	1372181
S-M CH50-2T2-3	1372187	1372182

Mekano 50-2



T: 1.5 mm

Type	Art. no. HDG	Art. no. SS
S-M CH50-2-3	1302506	1371689

Support Channels for Piping & heavy loads

Mekano 50-2T

NEW!

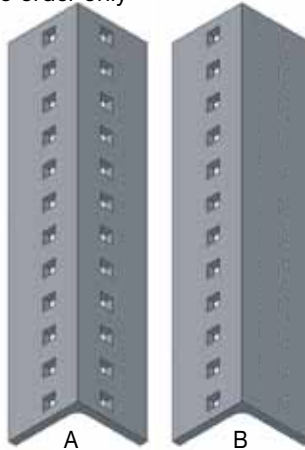


T: 2.5 mm

Type	Art. no. HDG	Art. no. S
S-M CH50-2T2,5-3	1372188	1372183

Mekano 60-2*

*) Made to order only



T: 6 mm

Type	Art. no. HDG	Art. no. SS
S-M CH60-2-A-3	1371432	1371430
S-M CH60-2-B-3	1371431	1371429

Mekano 100-2T

NEW!



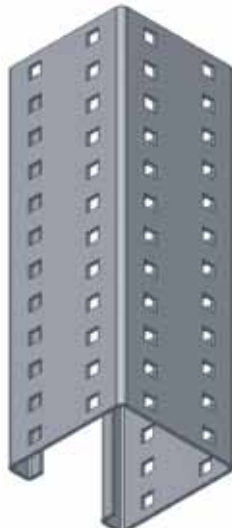
T: 3 mm

Type	Art. no. HDG	Art. no. SS
S-M CH100-2T3-3	1372190	1372185



Mekano 100-3*

*) Made to order only



T: 2.5 mm

Type	Art. no. HDG	Art. no. SS
S-M CH100-3-0.5	80912	80267
S-M CH100-3-1	80913	80268
S-M CH100-3-1.25	80914	80460
S-M CH100-3-2.5	1372504	1372505

Mekano 100-4



T: 3 & 5 mm

Type	Art. no. HDG	Art. no. SS
S-M CH100-4-3-6	1372525	1372526
S-M CH100-4-5-6	1372530	1372531