

hole pattern

Type of profile	dimensions	hole size	row	pitch	side of perforation	side of profile	special features	technical drawing (hole size)due to Excel-List
flat material	30x2mm	19x5mm	1-row	35mm				Loch1
flat material	40x2mm	19x5mm	1-row	35mm				Loch2
flat material	40x2mm	19x10mm	1-row	35mm				Loch3
flat material	50x2mm	19x5mm	1-row	35mm				Loch4
flat oval tube	30x15x2m	Ø 8mm	1-row		2-sided	narrow side		Loch235
flat oval tube	30x20x2mm	Ø 6,2mm	1-row	30mm	1-sided	narrow side		Loch149
flat oval tube	30x20x2mm	Ø 8,5mm	1-row		1-sided	narrow side		
flat oval tube	35x20x2mm	Ø 8,5mm	1-row		2-sided	narrow side		Loch237
square tube	20x20x2mm	10x3,2mm transverse	1-row	100mm	1-sided		due drawing 45.002.227, Brass	
square tube	21x21x1,5mm	Ø 7mm	1-row		1-sided			Loch236
square tube	25x25x1,5mm	Ø 9mm	1-row		2-sided			
square tube	25x25x1,5mm	Ø 12-6x19mm	1-row		1-sided		keyhole punching	
square tube	25x25x1,5mm	Ø 12-6x19mm	1-row		2-sided		keyhole punching	
square tube	25x25x1,5mm	Ø 12-6x19mm	1-row		3-sided		keyhole punching	
square tube	25x25x1,5mm	Ø 12-6x19mm	1-row		4-sided		keyhole punching	
square tube	25x25x2mm	Ø 5mm	1-row		1-sided			loch196
square tube	25x25x2mm	Ø 5mm	1-row		2-sided			
square tube	25x25x2mm	Ø 7mm	1-row		1-sided			
square tube	25x25x2mm	Ø 9mm diagonally	1-row		1-sided		punching on 1 diagonally edge	Loch197
square tube	25x25x2mm	Ø 11,2mm	1-row		1-sided			
square tube	25x25x2mm	19x5mm	1-row	35mm	1-sided			Loch7
square tube	25x25x2mm	19x5mm	1-row	35mm	2-sided			Loch8
square tube	25x25x2mm	19x5mm	1-row	35mm	3-sided			Loch9
square tube	25x25x2mm	19x5mm	1-row	35mm	4-sided			Loch10
square tube	25x25x2mm	19x5mm	2-row	35mm	1-sided			
square tube	25x25x2mm	19x5mm	2-row	35mm	2-sided			Loch11
square tube	25x25x2mm	19x5mm	2-row	35mm	4-sided			Loch12
square tube	25x25x2mm	25x4,5mm	1-row	50mm	1-sided			Loch189
square tube	25x25x2mm	25x4,5mm	1-row	50mm	2-sided			Loch190
square tube	25x25x2mm	25x4,5mm	1-row	50mm	3-sided			Loch191
square tube	25x25x2mm	25x4,5mm	1-row	50mm	4-sided			Loch192
square tube	25x25x3mm	25x4,5mm	1-row	50mm	1-sided			
square tube	30x30x2mm	19x5mm	1-row	35mm	1-sided			Loch13
square tube	30x30x2mm	19x5mm	2-row	35mm	1-sided			Loch14
square tube	30x30x2mm	19x10mm	1-row	35mm	1-sided			Loch15
square tube	30x30x2mm	19x5mm	1-row	35mm	2-sided			Loch16
square tube	30x30x2mm	19x5mm	2-row	35mm	2-sided			Loch17
square tube	30x30x2mm	19x10mm	1-row	35mm	2-sided			Loch18
square tube	30x30x2mm	19x5mm	1-row	35mm	3-sided			Loch19
square tube	30x30x2mm	19x5mm	2-row	35mm	3-sided			Loch20
square tube	30x30x2mm	19x10mm	1-row	35mm	3-sided			Loch21
square tube	30x30x2mm	19x5mm	1-row	35mm	4-sided			Loch22
square tube	30x30x2mm	19x5mm	2-row	35mm	4-sided			Loch23
square tube	30x30x2mm	19x10mm	1-row	35mm	4-sided			Loch24
square tube	30x30x2mm	25x10mm	1-row	50mm	1-sided			Loch156
square tube	30x30x2mm	25x10mm	1-row	50mm	2-sided			Loch147

hole pattern

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square tube	30x30x2mm	25x10mm	1-row	50mm	3-sided			Loch157
square tube	30x30x2mm	25x10mm	1-row	50mm	4-sided			Loch148
square tube	30x30x2mm	25x8mm	1-row	50mm	1-sided			Loch25
square tube	30x30x2mm	25x8mm	1-row	50mm	2-sided			Loch26
square tube	30x30x2mm	25x8mm	1-row	50mm	3-sided			Loch27
square tube	30x30x2mm	25x8mm	1-row	50mm	4-sided			Loch28
square tube	30x30x2mm	32x14mm	1-row	50mm	1-sided			Loch151
square tube	30x30x2mm	32x14mm	1-row	50mm	2-sided			Loch152
square tube	30x30x2mm	32x14mm	1-row	50mm	3-sided			Loch153
square tube	30x30x2mm	32x14mm	1-row	50mm	4-sided			Loch154
square tube	30x30x2mm	25x4,5mm	1-row	50mm	1-sided			Loch186
square tube	30x30x2mm	25x4,5mm	1-row	50mm	2-sided			Loch29
square tube	30x30x2mm	25x4,5mm	1-row	50mm	3-sided			Loch187
square tube	30x30x2mm	25x4,5mm	1-row	50mm	4-sided			Loch30
square tube	30x30x2mm	25x4mm	2-row	50mm	2-sided			Loch231
square tube	30x30x2mm	25x4mm	2-row	50mm	4-sided			Loch232
square tube	30x30x2mm	Ø 12-6x19mm	1-row		1-sided		keyhole punching	
square tube	30x30x2mm	Ø 12-6x19mm	1-row		2-sided		keyhole punching	
square tube	30x30x2mm	Ø 12-6x19mm	1-row		3-sided		keyhole punching	
square tube	30x30x2mm	Ø 12-6x19mm	1-row		4-sided		keyhole punching	
square tube	30x30x2mm	Ø 6,5	1-row		2-sided			
square tube	30x30x2mm	Ø 8,5	1-row		2-sided			
square tube	30x30x2mm	square 16,2mm	1-row		2-sided			
square tube	30x30x2mm	square 16,2mm	1-row		4-sided			
square tube	30x30x2mm	19x10,5mm	1-row		2-sided			
square tube	30x30x2mm	19x10,5mm	1-row		4-sided			
square tube	30x30x3mm	25x4,5mm	1-row	50mm	1-sided			Loch36
square tube	30x30x3mm	25x4,5mm	1-row	50mm	2-sided			Loch260
square tube	30x30x3mm	25x4mm	2-row	50mm	1-sided			Loch37
square tube	30x30x3mm	25x4mm	2-row	50mm	2-sided			Loch38
square tube	30x30x3mm	25x4mm	2-row	50mm	3-sided			Loch39
square tube	30x30x3mm	25x4mm	2-row	50mm	4-sided			Loch40
square tube	30x30x3mm	25x10mm	1-row	50mm	2-sided			Loch261
square tube	35x35x2mm	19x5mm	1-row	35mm	2-sided			Loch223
square tube	35x35x2mm	19x5mm	1-row	35mm	4-sided			Loch224
square tube	35x35x2mm	19x5mm	2-row	35mm	1-sided			Loch158
square tube	35x35x2mm	19x5mm	2-row	35mm	2-sided			Loch159
square tube	35x35x2mm	19x5mm	2-row	35mm	3-sided			Loch160
square tube	35x35x2mm	19x5mm	2-row	35mm	4-sided			Loch161
square tube	35x35x2mm	19x10mm	1-row	35mm	1-sided			Loch177
square tube	35x35x2mm	19x10mm	1-row	35mm	2-sided			Loch178
square tube	35x35x2mm	19x10mm	1-row	35mm	3-sided			Loch179
square tube	35x35x2mm	19x10mm	1-row	35mm	4-sided			Loch180
square tube	40x40x2mm	Ø 5,4mm	1-row		2-sided			
square tube	40x40x2mm	Ø 5,4mm	1-row		4-sided			
square tube	40x40x2mm	19x5mm	1-row	35mm	1-sided			Loch263

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square tube	40x40x2mm	19x5mm	1-row	35mm	2-sided			Loch238
square tube	40x40x2mm	19x5mm	2-row	35mm	1-sided			Loch203
square tube	40x40x2mm	19x5mm	2-row	35mm	2-sided			Loch41
square tube	40x40x2mm	19x5mm	2-row	35mm	3-sided			Loch204
square tube	40x40x2mm	19x5mm	2-row	35mm	4-sided			Loch42
square tube	40x40x2mm	19x10mm	1-row	35mm	2-sided			
square tube	40x40x2mm	28x4mm	1-row	50mm	2-sided			Loch198
square tube	40x40x2mm	28x4mm	1-row	50mm	4-sided			Loch199
square tube	40x40x2mm	25x10mm	1-row	50mm	1-sided			Loch43
square tube	40x40x2mm	25x10mm	1-row	50mm	2-sided			Loch44
square tube	40x40x2mm	25x10mm	1-row	50mm	3-sided			Loch45
square tube	40x40x2mm	25x10mm	1-row	50mm	4-sided			Loch46
square tube	40x40x2mm	25x5mm	2-row	50mm	1-sided			Loch222
square tube	40x40x2mm	25x5mm	2-row	50mm	2-sided			Loch249
square tube	40x40x3mm	19x5mm	1-row	35mm	1-sided			Loch162
square tube	40x40x3mm	19x5mm	1-row	35mm	2-sided			Loch163
square tube	40x40x3mm	19x5mm	1-row	35mm	3-sided			Loch164
square tube	40x40x3mm	19x5mm	1-row	35mm	4-sided			Loch165
square tube	40x40x3mm	25x4mm	2-row	50mm	1-sided			Loch218
square tube	40x40x3mm	25x4mm	2-row	50mm	2-sided			Loch219
square tube	40x40x3mm	25x4mm	2-row	50mm	3-sided			Loch220
square tube	40x40x3mm	25x4mm	2-row	50mm	4-sided			Loch221
square tube	50x50x2mm	19x5mm	2-row	35mm	1-sided		punching only 1-sided possible	
square tube	50x50x2mm	19x5mm	2-row	35mm	2-sided		punching only 1-sided possible	Loch47
square tube	50x50x2mm	19x5mm	2-row	35mm	3-sided		punching only 1-sided possible	
square tube	50x50x2mm	19x5mm	2-row	35mm	4-sided		punching only 1-sided possible	Loch48
square tube	60x60x2mm	Ø 15/8,5 x 20,5mm	1-row	100mm	2-sided		pitch can also chosen free	Loch205
square tube	60x60x2mm	Ø 15/8,5 x 20,5mm	1-row	100mm	4-sided		pitch can also chosen free	Loch206
square tube	60x60x2mm	19x5mm	2-row	35mm	1-sided			Loch230
square tube	60x60x2mm	25x9mm	1-row	50mm	1-sided			Loch208
square tube	60x60x2mm	25x9mm	1-row	50mm	2-sided			Loch209
square tube	60x60x2mm	25x9mm	1-row	50mm	3-sided			Loch210
square tube	60x60x2mm	25x9mm	1-row	50mm	4-sided			Loch211
rectangular tube	25x20x2mm	19x5mm	1-row	35mm	1-sided	narrow side		
rectangular tube	25x20x2mm	25x4,5mm	1-row	50mm	1-sided	narrow side		
rectangular tube	30x20x2mm	Quadrat 16,2mm	1-row		2-sided	broad side		
rectangular tube	40x15x2mm	19x5mm	1-row	35mm	1-sided	narrow side	auxiliary tool. only small quantities. 2200 mm max	
rectangular tube	40x15x2mm	19x5mm	1-row	35mm	2-sided	narrow side	auxiliary tool. only small quantities. 2200 mm max	
rectangular tube	40x20x2mm	Ø 8,5mm	1-row		2-sided	narrow side		
rectangular tube	40x20x2mm	Ø 10,5mm	1-row		2-sided	narrow side		
rectangular tube	40x20x2mm	19x5mm	1-row	35mm	1-sided	narrow side	max. 3000 long; one-sided 200 mm unpunched	Loch166
rectangular tube	40x20x2mm	19x5mm	1-row	35mm	2-sided	narrow side	max. 3000 long; one-sided 200 mm unpunched	Loch167
rectangular tube	40x20x2mm	19x5mm	2-row	35mm	1-sided	broad side		Loch243
rectangular tube	40x20x2mm	25x4mm	2-row	50mm	2-sided	narrow side		Loch233

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Type of profile	dimensions	hole size	row	pitch	side of perforation	side of profile	special features	technical drawing (hole size)due to Excel-List
rectangular tube	40x20x3mm	25x4mm	2-row	50mm	1-sided	narrow side	max. 3000 long; one-sided 200 mm unpunched, weldseam on broad side required minimum quantity 2400m+ delivery time 6 weeks!!!	Loch56
rectangular tube	40x20x3mm	25x4mm	1-row	50mm	1-sided	narrow side		Loch57
rectangular tube	40x20x3mm	19x10,5mm	1-row		2-sided	broad side	punching for support 10 mm	
rectangular tube	40x30x2mm	25x12mm	1-row	50mm	2-sided	narrow side		Loch248
rectangular tube	45x23x2,5mm	Ø 7,5mm	1-row		2-sided	broad side		
rectangular tube	45x23x2,5mm	Ø 13mm	1-row		2-sided	broad side		
rectangular tube	45x23x2,5mm	25x11mm	1-row	50mm	2-sided	narrow side		Loch59
rectangular tube	45x23x2,5mm	19x10,5mm	1-row		2-sided	broad side	punching for support 10 mm	
rectangular tube	50x20x2mm	19x5mm	1-row	35mm	1-sided	narrow side	max. 3000 long; one-sided 200 mm unpunched	Loch155
rectangular tube	50x20x2mm	19x5mm	1-row	35mm	2-sided	narrow side	max. 3000 long; one-sided 200 mm unpunched	Loch61
rectangular tube	50x20x2mm	25x4,5mm	1-row	50mm	2-sided	narrow side	max. 3000 long; one-sided 200 mm unpunched	
rectangular tube	50x25x2mm	Ø 11,2mm	1-row		1-sided	narrow side		
rectangular tube	50x25x2mm	19x5mm	2-row	35mm	2-sided	narrow side		Loch255
rectangular tube	50x25x2mm	28x4mm	1-row	50mm	2-sided	broad side		
rectangular tube	50x25x2mm	25x5mm	2-row	50mm	2-sided	narrow side	4 double punch per tool-stroke	
rectangular tube	50x30x2mm	25x10mm	1-row	50mm	1-sided	narrow side		Loch62
rectangular tube	50x30x2mm	25x10mm	1-row	50mm	2-sided	narrow side		Loch63
rectangular tube	50x30x2mm	25x4mm	2-row	50mm	1-sided	narrow side		Loch64
rectangular tube	50x30x2mm	19x5mm	1-row	35mm	1-sided	narrow side		
rectangular tube	50x30x2mm	19x5mm	1-row	35mm	2-sided	narrow side		Loch65
rectangular tube	50x30x2mm	19x5mm	2-row	35mm	1-sided	narrow side		
rectangular tube	50x30x2mm	19x5mm	2-row	35mm	2-sided	narrow side		
rectangular tube	50x30x2mm	19x5mm	1-row	35mm	2-sided	broad side		
rectangular tube	50x30x3mm	25x4mm	2-row	50mm	1-sided	narrow side		Loch67
rectangular tube	50x30x3mm	19x10,5mm	1-row		2-sided	broad side	punching for support 10 mm+ hole Ø5	
rectangular tube	50x30x3mm	19x5mm	1-row	35mm	1-sided	narrow side		
rectangular tube	60x20x2mm	19x5mm	1-row	35mm	1-sided	narrow side	max. 3000 long; one-sided 200 mm unpunched	Loch168
rectangular tube	60x20x2mm	19x5mm	1-row	35mm	2-sided	narrow side	max. 3000 long; one-sided 200 mm unpunched	Loch169
rectangular tube	60x20x2mm	19x10,5mm	1-row		1-sided	broad side		Loch184
rectangular tube	60x20x2mm	19x10,5mm	1-row		2-sided	broad side		Loch185
rectangular tube	60x30x2,5mm	19,2x13,2mm	1-row	33,3mm	2-sided	narrow side		Loch246
rectangular tube	60x30x2,5mm	25x4mm	2-row	50mm	2-sided	narrow side		Loch253
rectangular tube	60x30x2,5mm	25x10mm	1-row	50mm	1-sided	narrow side		Loch69
rectangular tube	60x30x2,5mm	25x10mm	1-row	50mm	2-sided	narrow side		Loch70
rectangular tube	60x30x2,5mm	28x14mm	1-row	50mm	1-sided	narrow side		Loch71
rectangular tube	60x30x2,5mm	28x14mm	1-row	50mm	2-sided	narrow side		Loch72
rectangular tube	60x30x2,5mm	28x14mm	1-row	50mm	1-sided	narrow side	"pin punch"	Loch228
rectangular tube	60x30x2,5mm	28x14mm	1-row	50mm	2-sided	narrow side	"pin punch"	Loch229
rectangular tube	60x30x2,5mm	22x3mm	2-row	40mm	2-sided	broad side		45.003.747
rectangular tube	60x30x2,5mm	Ø4,2mm	1-row	32mm	2-sided	broad side		45.003.748
rectangular tube	60x30x2,5mm	Ø12,5/8,5mm	1-row	40mm	2-sided	broad side	keyhole punching	Loch212
rectangular tube	60x30x2,5mm	Ø5,4mm	1-row		2-sided	narrow side		
rectangular tube	60x30x2,5mm	19x10,5mm	1-row		2-sided	broad side		Loch250
rectangular tube	60x30x2mm	19x5mm	1-row	35mm	1-sided	narrow side		Loch170

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rectangular tube	60x30x2mm	19x5mm	1-row	35mm	2-sided	narrow side		Loch73
rectangular tube	60x30x2mm	19x5mm	2-row	35mm	1-sided	narrow side		Loch74
rectangular tube	60x30x2mm	19x10mm	1-row	35mm	1-sided	narrow side		Loch75
rectangular tube	60x30x2mm	19x5mm	2-row	35mm	2-sided	narrow side		Loch76
rectangular tube	60x30x2mm	19x10mm	1-row	35mm	2-sided	narrow side		Loch77
rectangular tube	60x30x2mm	19x12mm	1-row	35mm	1-sided	narrow side		Loch264
rectangular tube	60x30x2mm	19x12mm	1-row	35mm	2-sided	narrow side		Loch259
rectangular tube	60x30x2mm	22x3mm	2-row	40mm	2-sided	broad side		45.002.031
rectangular tube	60x30x2mm	25x10mm	1-row	50mm	1-sided	narrow side		Loch79
rectangular tube	60x30x2mm	28x14mm	1-row	50mm	1-sided	narrow side		Loch80
rectangular tube	60x30x2mm	28x14mm	1-row	50mm	2-sided	narrow side		Loch81
rectangular tube	60x30x2mm	25x10mm	1-row	50mm	2-sided	narrow side		Loch82
rectangular tube	60x30x2mm	25x4mm	1-row	50mm	2-sided	broad side	punching for support	Loch181
rectangular tube	60x30x2mm	28x3,2mm	1-row	50mm	2-sided	broad side	punching for support	Loch182
rectangular tube	60x30x2mm	28x4mm	1-row	50mm	2-sided	broad side	punching for support	Loch183
rectangular tube	60x30x2mm	25x5mm+Ø6mm	2-row		2-sided	broad side	punching for support	Loch207
rectangular tube	60x30x2mm	25x5mm	2-row	50mm	2-sided	broad side	punching for support	Loch217/40.006.825
rectangular tube	60x30x2mm	25x4mm	2-row	50mm	1-sided	narrow side		Loch86
rectangular tube	60x30x2mm	25x4mm	2-row	50mm	2-sided	narrow side		Loch87
rectangular tube	60x30x2mm	25x4,5mm	1-row	50mm	1-sided	narrow side		Loch225
rectangular tube	60x30x2mm	32x14mm	1-row	50mm	1-sided	narrow side		Loch88
rectangular tube	60x30x2mm	32x14mm	1-row	50mm	2-sided	narrow side		Loch89
rectangular tube	60x30x2mm	28x14mm	1-row	50mm	1-sided	narrow side	"pin punch"	Loch226
rectangular tube	60x30x2mm	28x14mm	1-row	50mm	2-sided	narrow side	"pin punch"	Loch227
rectangular tube	60x30x2mm	square 16,2mm	1-row		2-sided	broad side		
rectangular tube	60x30x2mm	Ø 5mm	1-row		2-sided	broad side		
rectangular tube	60x30x2mm	Ø 7mm	1-row		2-sided	broad side		
rectangular tube	60x30x2mm	Ø 9mm	1-row		1-sided	narrow side		
rectangular tube	60x30x2mm	Ø 9mm	1-row		1-sided	broad side		
rectangular tube	60x30x2mm	Ø 9mm	1-row		2-sided	narrow side		
rectangular tube	60x30x2mm	Ø 9mm	1-row		2-sided	broad side		
rectangular tube	60x30x2mm	Ø 11,2mm	1-row		1-sided	narrow side		
rectangular tube	60x30x2mm	Ø 11,2mm	1-row		2-sided	narrow side		
rectangular tube	60x30x2mm	Ø 11,2mm	1-row		1-sided	broad side		
rectangular tube	60x30x2mm	Ø 11,2mm	1-row		2-sided	broad side		
rectangular tube	60x30x2mm	19x10,5mm	1-row		1-sided	broad side		Loch251
rectangular tube	60x30x2mm	19x10,5mm	1-row		2-sided	broad side		Loch252
rectangular tube	60x30x2mm	19x5mm	2-row	35mm	1-sided	broad side	middle space 25 mm	Loch202
rectangular tube	60x30x2mm	19x5mm	2-row	35mm	1-sided	broad side	middle space 5 mm	Loch213
rectangular tube	60x30x2mm	19x5mm	2-row	35mm	2-sided	broad side	middle space 5 mm	Loch214
rectangular tube	60x30x3mm	25x4mm	2-row	50mm	1-sided	narrow side		Loch91
rectangular tube	60x30x3mm	25x4mm	2-row	50mm	2-sided	narrow side		Loch92
rectangular tube	60x30x3mm	19x10,5mm	1-row		2-sided	broad side	punching for support 10 mm+ hole Ø5	
rectangular tube	60x30x3mm	25x5mm	2-row	50mm	1-sided	broad side	middle space 29 mm	Loch195
rectangular tube	60x30x3mm	25x10mm	1-row	50mm	1-sided	narrow side		Loch94
rectangular tube	60x30x3mm	25x10mm	1-row	50mm	2-sided	narrow side		Loch95

hole pattern

Type of profile	dimensions	hole size	row	pitch	side of perforation	side of profile	special features	technical drawing (hole size)due to Excel-List
rectangular tube	60x30x3mm	28x14mm	1-row	50mm	1-sided	narrow side		
rectangular tube	60x30x3mm	28x14mm	1-row	50mm	1-sided	narrow side	"pin punch"	Loch215
rectangular tube	60x30x3mm	28x14mm	1-row	50mm	2-sided	narrow side	"pin punch"	Loch216
rectangular tube	60x30x2mm	Ø12,5/8,5mm	1-row	40mm	2-sided	broad side	keyhole punching	Loch262
round tube	25x2mm	19x5mm	1-row	35mm	1-sided			Loch96
round tube	25x2mm	19x5mm	1-row	35mm	2-sided			Loch97
round tube	25x2mm	19x5mm	1-row	35mm	3-sided			Loch98
round tube	25x2mm	19x5mm	1-row	35mm	4-sided			Loch99
round tube	25x2mm	25x4,5mm	1-row	50mm	1-sided			Loch244
round tube	25x2mm	Ø 7mm	1-row		1-sided			Loch245
round tube	30x2mm	25x4,5mm	1-row	50mm	2-sided			Loch171
round tube	30x2mm	25x4,5mm	1-row	50mm	4-sided			Loch172
round tube	30x2mm	30,5x6,5mm	1-row		2-sided		pitch variable such as 75 mm	40.004.274/40.004.287
round tube	30x2mm	30,5x6,5mm	1-row		4-sided		pitch variable such as 75 mm	40.004.274/40.004.287
round tube	30x2mm	25x6,5mm	1-row		2-sided		pitch variable such as 75 mm	
round tube	30x2mm	25x6,5mm	1-row		4-sided		pitch variable such as 75 mm	
round tube	30x2,5mm	25x4,5mm	1-row	50mm	2-sided			Loch193
round tube	30x2,5mm	25x4,5mm	1-row	50mm	4-sided			Loch194
round tube	32x2mm	19x5mm	1-row	35mm	1-sided			Loch100
round tube	32x2mm	19x5mm	1-row	35mm	2-sided			Loch101
round tube	32x2mm	19x5mm	1-row	35mm	3-sided			Loch102
round tube	32x2mm	19x5mm	1-row	35mm	4-sided			Loch103
round tube	40x2mm	19x5mm	1-row	35mm	1-sided			Loch104
round tube	40x2mm	19x5mm	1-row	35mm	2-sided			Loch105
round tube	40x2mm	19x5mm	1-row	35mm	3-sided			Loch106
round tube	40x2mm	19x5mm	1-row	35mm	4-sided			Loch107
round tube	40x2mm	25x8mm	1-row	50mm	2-sided			Loch108
round tube	40x2mm	25x8mm	1-row	50mm	4-sided			Loch109
round tube	40x2mm	Ø 12/6,5mm	1-row		1-sided		keyhole punching	
round tube	40x2mm	Ø 12/6,5mm	1-row		2-sided		keyhole punching	
round tube	45x2mm	19x5mm	1-row	35mm	2-sided			Loch173
round tube	45x2mm	19x5mm	1-row	35mm	4-sided			Loch174
round tube	45x2mm	25x4mm	1-row	50mm	1-sided			Loch112
round tube	45x2mm	25x4mm	1-row	50mm	2-sided			Loch113
round tube	45x2mm	25x4mm	1-row	50mm	3-sided			Loch114
round tube	45x2mm	25x4mm	1-row	50mm	4-sided			Loch115
round tube	50x2mm	19x10mm	1-row	35mm	1-sided			
round tube	50x2mm	19x10mm	1-row	35mm	2-sided			Loch200
round tube	50x2mm	19x10mm	1-row	35mm	3-sided			
round tube	50x2mm	19x10mm	1-row	35mm	4-sided			Loch201
round tube	50x2mm	25x4,5mm	1-row	50mm	2-sided			Loch240
round tube	50x2mm	25x4mm	1-row	50mm	1-sided			Loch241
round tube	50x2mm	25x4mm	2-row	50mm	1-sided			Loch234
round tube	50x2mm	25x9mm	1-row	50mm	1-sided			Loch254
round tube	50x2mm	30,5x6,5mm	1-row		2-sided		pitch variable such as 75 mm	40.004.274/40.004.287
round tube	50x2mm	30,5x6,5mm	1-row		4-sided		pitch variable such as 75 mm	40.004.274/40.004.287

hole pattern

Type of profile	dimensions	hole size	row	pitch	side of perforation	side of profile	special features	technical drawing (hole size)due to Excel-List
round tube	50x2mm	50x10mm long slot	1-row	70mm	2-sided		due drawing 45.001.741	Loch116
round tube	50x2mm	50x10mm long slot	1-row	70mm	4-sided		due drawing 45.001.742	Loch117
round tube	60x2mm	19x5mm	1-row	35mm	1-sided			Loch118
round tube	60x2mm	19x5mm	2-row	35mm	1-sided			Loch119
round tube	60x2mm	19x5mm	1-row	35mm	2-sided			Loch120
round tube	60x2mm	19x5mm	2-row	35mm	2-sided			Loch121
round tube	60x2mm	19x5mm	1-row	35mm	3-sided			Loch122
round tube	60x2mm	19x5mm	2-row	35mm	3-sided			Loch123
round tube	60x2mm	19x5mm	1-row	35mm	4-sided			Loch124
round tube	60x2mm	19x5mm	2-row	35mm	4-sided			Loch125
round tube	60x2mm	25x4mm	1-row	50mm	2-sided			Loch175
round tube	60x2mm	25x4mm	1-row	50mm	4-sided			Loch176
round tube	60x2mm	25x4mm	2-row	50mm	1-sided			Loch126
round tube	60x2mm	25x4mm	2-row	50mm	2-sided			Loch127
round tube	60x2mm	25x4mm	2-row	50mm	3-sided			Loch128
round tube	60x2mm	25x4mm	2-row	50mm	4-sided			Loch129
round tube	60x2mm	25x9mm	1-row	50mm	1-sided			Loch130
round tube	60x2mm	25x9mm	1-row	50mm	2-sided			Loch131
round tube	60x2mm	25x9mm	1-row	50mm	3-sided			Loch132
round tube	60x2mm	25x9mm	1-row	50mm	4-sided			Loch133
round tube	60x2mm	28x5mm	2-row	50mm	4-sided			Loch247
round tube	60x2mm	Ø11,2mm	1-row		2-sided		pitch variable	
round tube	60x2mm	Ø11,2mm	1-row		4-sided		pitch variable	
round tube	80x2mm	19x5mm	2-row	35mm	1-sided			Loch134
round tube	80x2mm	19x5mm	2-row	35mm	2-sided			Loch135
round tube	80x2mm	19x5mm	2-row	35mm	3-sided			Loch136
round tube	80x2mm	19x5mm	2-row	35mm	4-sided			Loch137
round tube	80x2mm	25x4mm	2-row	50mm	1-sided			Loch138
round tube	80x2mm	25x4mm	2-row	50mm	2-sided			Loch139
round tube	80x2mm	25x4mm	2-row	50mm	3-sided			Loch140
round tube	80x2mm	25x4mm	2-row	50mm	4-sided			Loch141
U-profile	15.5x15x15.5x2mm	19x5mm	1-row	35mm	1-sided	narrow side	countersink all 175 mm (2 piston)	Loch142
U-profile	15.5x15x15.5x2mm	25x4,5mm	1-row	50mm	1-sided	narrow side	countersink all 300 mm (2 piston)	Loch188
U-profile	15x30x15x2mm	19x5mm	1-row	35mm	1-sided	broad side	countersink all 280 mm (2 piston)	Loch143
U-profile	15x30x15x2mm	19x5mm	2-row	35mm	1-sided	broad side	countersink all 280 mm (2 piston)	Loch144
U-profile	15x30x15x2mm	19x10mm	1-row	35mm	1-sided	broad side	countersink all 280 mm (2 piston)	Loch145
U-profile	15x30x15x2mm	25x8mm	1-row	50mm	1-sided	broad side	countersink all 300 mm (2 piston)	Loch146
U-profile	15x30x15x2mm	25x10mm	1-row	50mm	1-sided	broad side	countersink all 300 mm (2 piston)	Loch150
U-profile	14x26x14x3mm	25x4,5mm	1-row	50mm	1-sided	axle side		
U-profile	24x30x24x2mm	25x5mm	2-row	50mm	1-sided	broad side		Loch242
U-profile	30x30x30x2mm	32x14mm	1-row	50mm	1-sided	bottom side		Loch239
angle profile	45x30x5mm	8,5 round	1-row		1-sided			