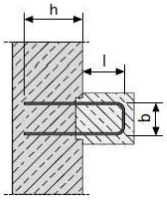
Type KO - Bracket type bracket open

Typ KO
Konsoltyp Bügel offen



KO type

Bracket type, open stirrup.

Depending on e and l, the stirrups lying in the sheet are bent conically. at max. anchorage length, the stirrup tip is 6 ds.

Type L only b dimensions 8,11,13, 16, 19 and 21 cm possible.

Technical data
The values e, b, h and l are variable depending on element width, sheet type and BSt Ø. Type L only b-dimensions 8,11,13,16, 19 and 21 cm possible.

Subject to technical changes. The dimensions as well as the combination of the maximum values must be agreed in each individual case. Listed are design examples.

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Element width mm	Sheet type P	BSt Ø mm	Bracket spacing e in cm	Bracket spacing b in cm	Bracket height h in cm	Anchoring length for element length 83 cm l in cm	Anchoring length for panel length 125 cm l in cm
80	P	8	10	6	8 - 98	7 - 8	7 - 8
80	P	8	15	6	8 - 98	7 - 13	7 - 13
80	P	8	20	6	8 - 98	7 - 18	7 - 18
80	P	10	15	6	10 - 98	9 - 12	9 - 12
80	P	10	20	6	10 - 98	9 - 17	9 - 17
110	P/Q/L	8	10	8-9	8 - 98	7 - 18	7 - 18
110	P/Q/L	8	15	8-9	8 - 98	7 - 27	7 - 27
110	P/Q/L	8	20	8-9	8 - 98	7 - 36	7 - 36
110	P/Q/L	10	10	8-9	10 - 98	9 - 12	9 - 12
110	P/Q/L	10	15	8-9	10 - 98	9 - 18	9 - 18
110	P/Q/L	10	20	8-9	10 - 98	9 - 24	9 - 24
110	P/Q/L	12	15	8-9	12 - 98	11 - 12	11 - 12
110	P/Q/L	12	20	8-9	12 - 98	11 - 17	11 - 17
140	P/Q/L	8	10	11-12	8 - 98	7 - 32	7 - 32
140	P/Q/L	8	15	11-12	8 - 98	7 - 41,5	7 - 48
140	P/Q/L	8	20	11-12	8 - 98	7 - 41,5	7 - 62,5
140	P/Q/L	10	10	11-12	10 - 98	9 - 24	9 - 24
140	P/Q/L	10	15	11-12	10 - 98	9 - 35	9 - 35
140	P/Q/L	10	20	11-12	10 - 98	9 - 41,5	9 - 47
140	P/Q/L	12	10	11-12	12 - 98	11 - 14	11 - 14
140	P/Q/L	12	15	11-12	12 - 98	11 - 21	11 - 21
140	P/Q/L	12	20	11-12	12 - 98	11 - 28	11 - 28
160	P/Q/L	8	10	13-14	8 - 98	7 - 41	7 - 41
160	P/Q/L	8	15	13-14	8 - 98	7 - 41,5	7 - 61
160	P/Q/L	8	20	13-14	8 - 98	7 - 41,5	7 - 62,5
160	P/Q/L	10	10	13-14	10 - 98	9 - 31	9 - 31
160	P/Q/L	10	15	13-14	10 - 98	9 - 41,5	9 - 47
160	P/Q/L	10	20	13-14	10 - 98	9 - 41,5	9 - 62
160	P/Q/L	12	10	13-14	12 - 98	11 - 21	11 - 21
160	P/Q/L	12	15	13-14	12 - 98	11 - 31	11 - 31
160	P/Q/L	12	20	13-14	12 - 98	11 - 41	11 - 41
190	P/Q/L	8	10	16-17	8 - 98	7 - 41,5	7 - 54
190	P/Q/L	8	15	16-17	8 - 98	7 - 41,5	7 - 62,5
190	P/Q/L	8	20	16-17	8 - 98	7 - 51	7 - 62,5
190	P/Q/L	10	10	16-17	10 - 98	9 - 41,5	9 - 43
190	P/Q/L	10	15	16-17	10 - 98	9 - 41,5	9 - 62,5

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Element width mm	Sheet type P	BSt Ø mm	Bracket spacing e in cm	Bracket spacing b in cm	Bracket height h in cm	Anchoring length for element length 83 cm l in cm	Anchoring length for panel length 125 cm l in cm
190	P/Q/L	10	20	16-17	10 - 98	9 - 41,5	9 - 62,5
190	P/Q/L	12	10	16-17	12 - 98	11 - 31	11 - 31
190	P/Q/L	12	15	16-17	12 - 98	11 - 41,5	11 - 46
190	P/Q/L	12	20	16-17	12 - 98	11 - 41,5	11 - 61
220	P/Q/L	8	10	19-20	8 - 98	7 - 41,5	7 - 62,5
220	P/Q/L	8	15	19-20	8 - 98	7 - 41,5	7 - 62,5
220	P/Q/L	8	20	19-20	8 - 98	7 - 41,5	7 - 62,5
220	P/Q/L	10	10	19-20	10 - 98	9 - 41,5	9 - 51
220	P/Q/L	10	15	19-20	10 - 98	9 - 41,5	9 - 62,5
220	P/Q/L	10	20	19-20	10 - 98	9 - 41,5	9 - 62,5
220	P/Q/L	12	10	19-20	12 - 98	11 - 38	11 - 38
220	P/Q/L	12	15	19-20	12 - 98	11 - 41,5	11 - 56
220	P/Q/L	12	20	19-20	12 - 98	11 - 41,5	11 - 62,5
240	P/Q/L	8	10	21-22	8 - 98	7 - 41,5	7 - 62,5
240	P/Q/L	8	15	21-22	8 - 98	7 - 41,5	7 - 62,5
240	P/Q/L	8	20	21-22	8 - 98	7 - 41,5	7 - 62,5
240	P/Q/L	10	10	21-22	10 - 98	9 - 41,5	9 - 62
240	P/Q/L	10	15	21-22	10 - 98	9 - 41,5	9 - 62,5
240	P/Q/L	10	20	21-22	10 - 98	9 - 41,5	9 - 62,5
240	P/Q/L	12	10	21-22	12 - 98	11 - 41,5	11 - 48
240	P/Q/L	12	15	21-22	12 - 98	11 - 41,5	11 - 62,5
240	P/Q/L	12	20	21-22	12 - 98	11 - 41,5	11 - 62,5