

Stark gemacht mit Profil

Konstruktionsprofile für den Metalleichtbau

Z-Pfetten

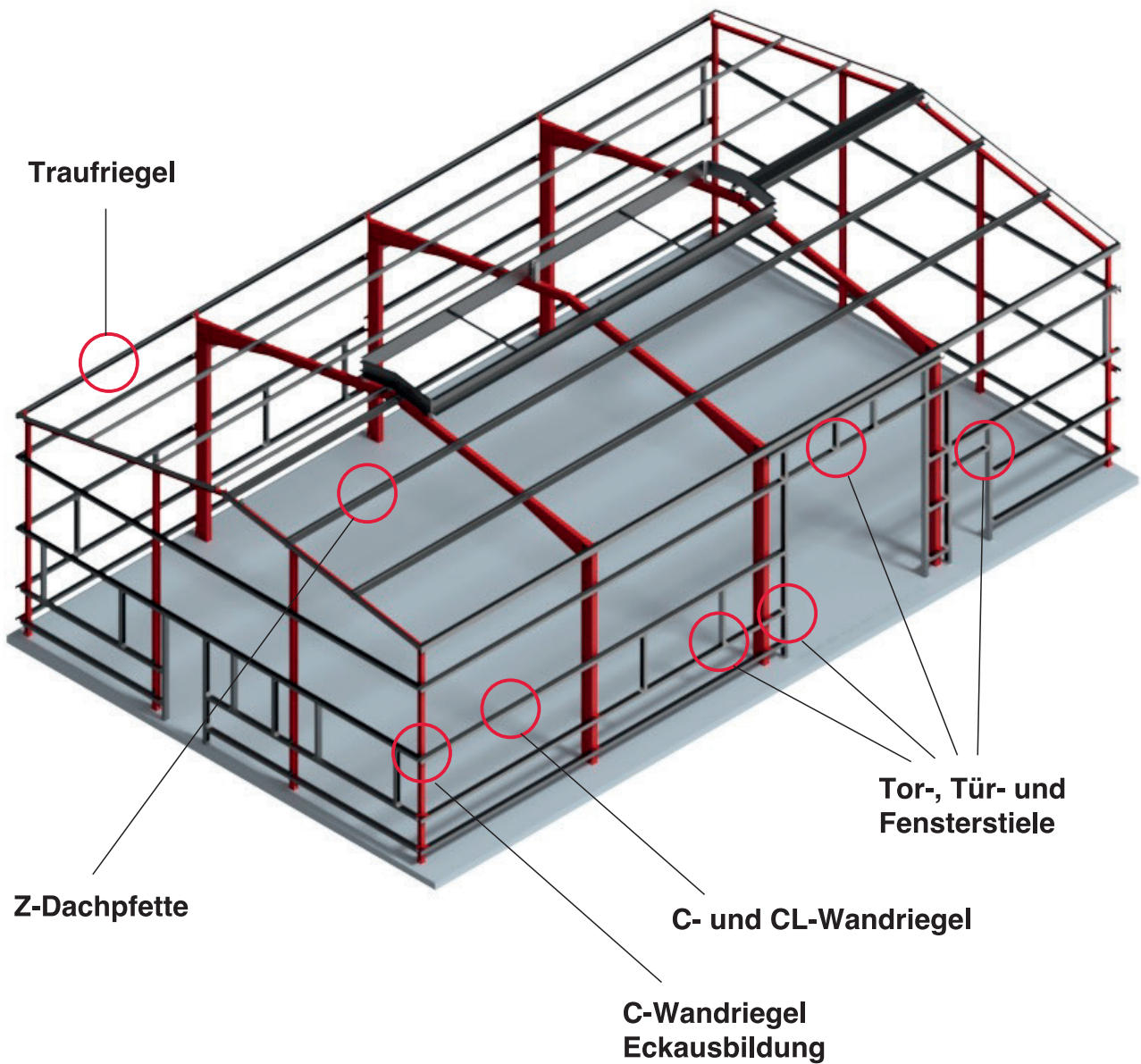
C-Riegel

CL-Riegel

Systeme für den Stahlhallenbau

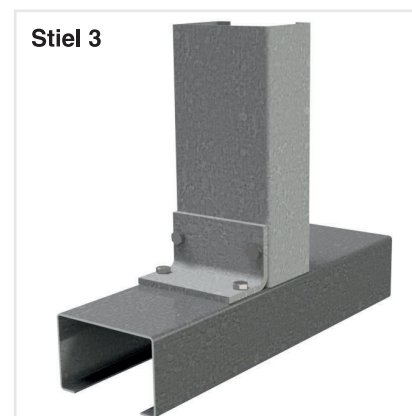
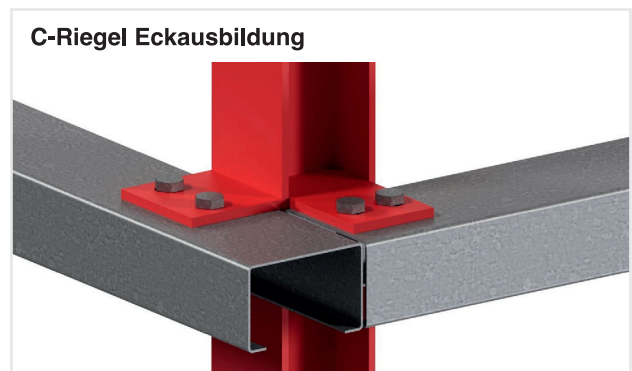
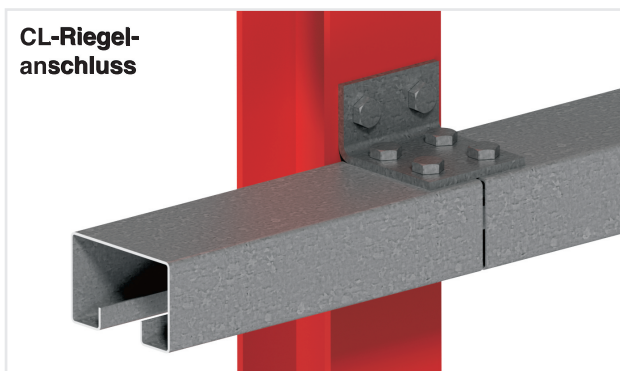
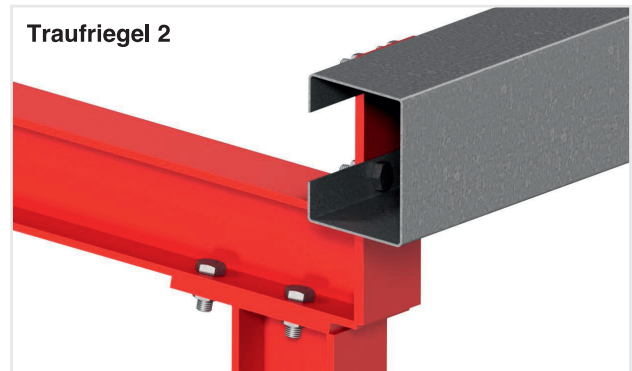
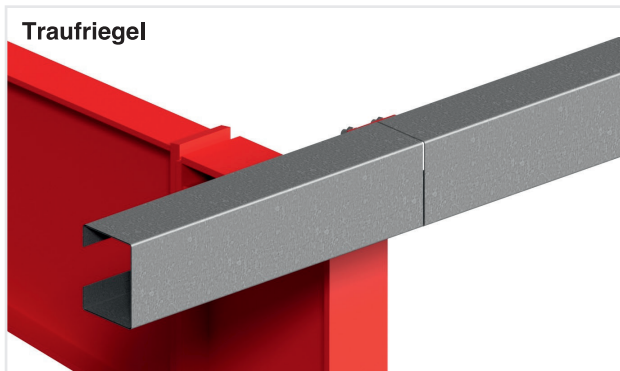
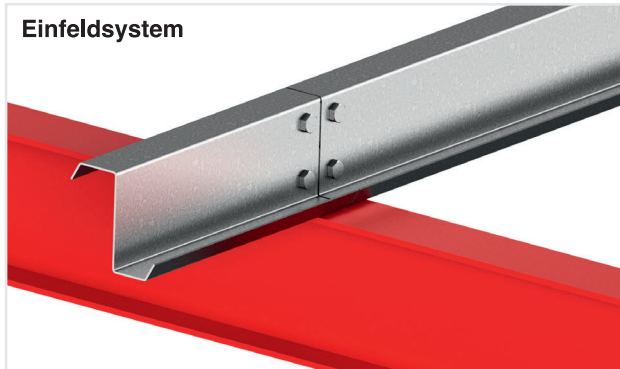
Übersicht WP-Konstruktionsprofile

E



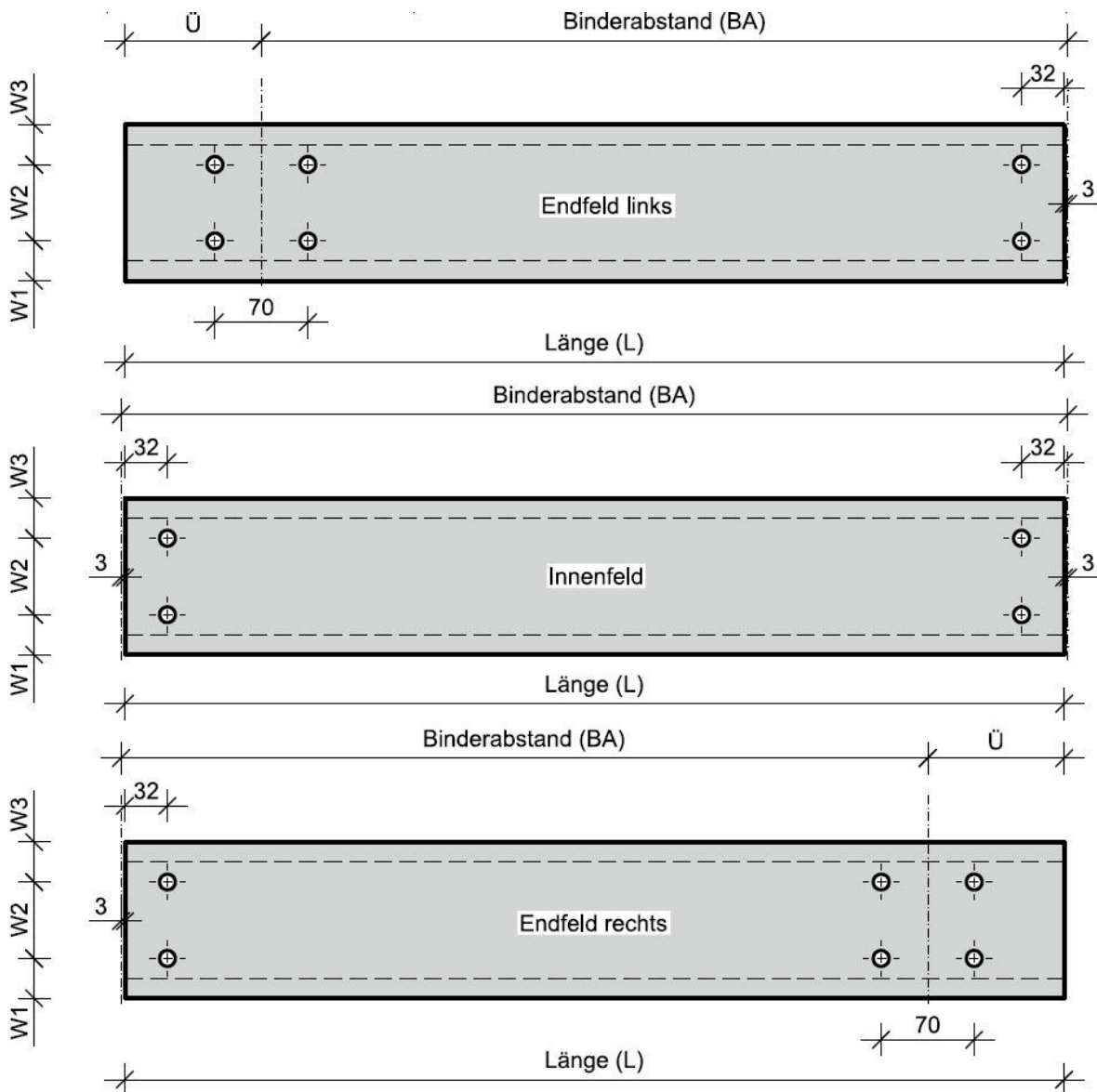
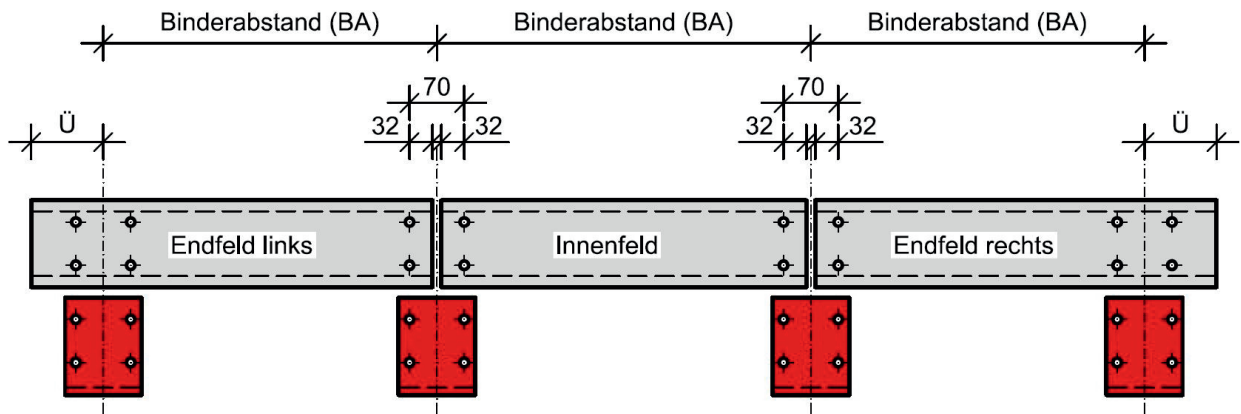
Detailansichten Konstruktionsprofile

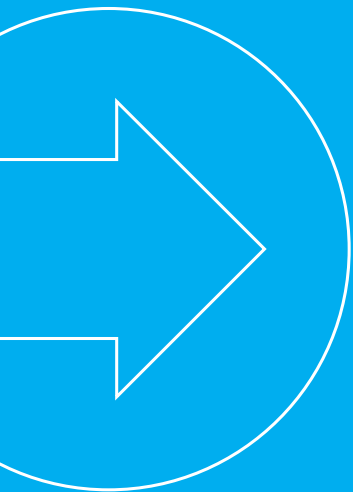
E



WP C-Profile

E

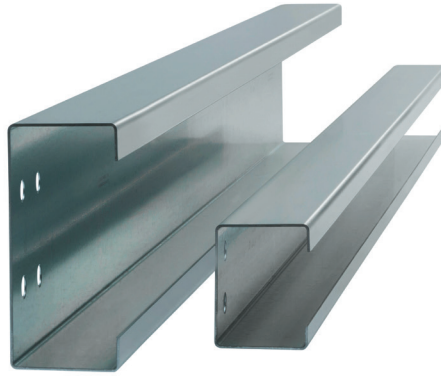




WP **C-Profile**
WP **CL-Profile**
WP **Z-Profile**
Pfettenschuhe
Dachschubaufnahme
WP **Traufriegel**

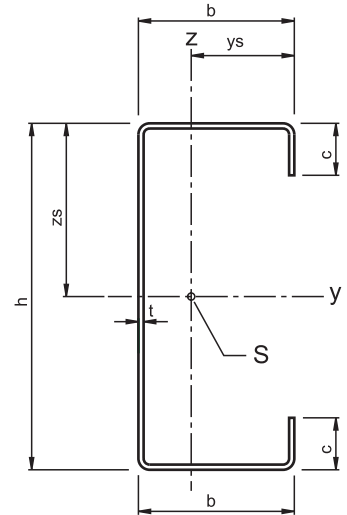
WP C-Profile

Abmessungen



E

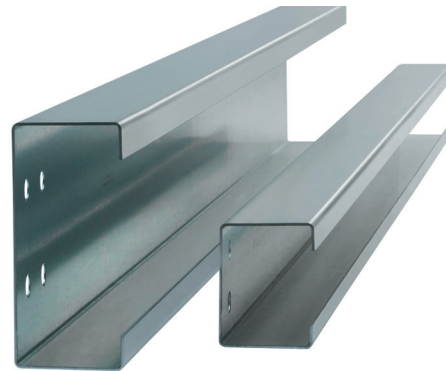
| Profil | Steg h [mm] | Gurt b [mm] | Lippe c [mm] | Blechdicke t [mm] | Zuschnitt Z _r [mm] | Gewicht g [kg/mtr] |
|---------------|----------------|----------------|-----------------|----------------------|----------------------------------|-----------------------|
| C 105x80 - 20 | 105 | 80 | 23,0 | 2,0 | 295 | 4,72 |
| C 105x80 - 25 | 105 | 80 | 23,0 | 2,5 | 292 | 5,84 |
| C 105x80 - 30 | 105 | 80 | 23,0 | 3,0 | 288 | 6,91 |
| C 105x90 - 20 | 105 | 90 | 23,0 | 2,0 | 314 | 5,02 |
| C 105x90 - 25 | 105 | 90 | 23,0 | 2,5 | 311 | 6,22 |
| C 105x90 - 30 | 105 | 90 | 23,0 | 3,0 | 308 | 7,39 |
| C 120 - 20 | 120 | 90 | 21,0 | 2,0 | 325 | 5,20 |
| C 120 - 25 | 120 | 90 | 21,5 | 2,5 | 323 | 6,46 |
| C 120 - 30 | 120 | 90 | 25,0 | 3,0 | 327 | 7,85 |
| C 140 - 20 | 140 | 90 | 20,0 | 2,0 | 344 | 5,50 |
| C 140 - 25 | 140 | 90 | 22,0 | 2,5 | 344 | 6,88 |
| C 140 - 30 | 140 | 90 | 24,5 | 3,0 | 346 | 8,30 |
| C 140 - 35 | 140 | 90 | 30,0 | 3,5 | 354 | 9,91 |
| C 140 - 40 | 140 | 90 | 30,5 | 4,0 | 351 | 11,23 |
| C 150 - 20 | 150 | 90 | 26,0 | 2,0 | 365 | 5,84 |
| C 150 - 25 | 150 | 90 | 30,0 | 2,5 | 370 | 7,40 |
| C 150 - 30 | 150 | 90 | 30,0 | 3,0 | 367 | 8,81 |
| C 150 - 35 | 150 | 90 | 30,5 | 3,5 | 365 | 10,22 |
| C 150 - 40 | 150 | 90 | 30,5 | 4,0 | 361 | 11,55 |
| C 160 - 20 | 160 | 90 | 21,0 | 2,0 | 365 | 5,84 |
| C 160 - 25 | 160 | 90 | 25,0 | 2,5 | 370 | 7,40 |
| C 160 - 30 | 160 | 90 | 25,0 | 3,0 | 367 | 8,81 |
| C 160 - 35 | 160 | 90 | 31,5 | 3,5 | 377 | 10,56 |
| C 160 - 40 | 160 | 90 | 30,5 | 4,0 | 371 | 11,87 |
| C 180 - 20 | 180 | 90 | 24,5 | 2,0 | 393 | 6,29 |
| C 180 - 25 | 180 | 90 | 25,0 | 2,5 | 390 | 7,80 |
| C 180 - 30 | 180 | 90 | 29,5 | 3,0 | 396 | 9,50 |
| C 180 - 35 | 180 | 90 | 33,0 | 3,5 | 400 | 11,20 |
| C 180 - 40 | 180 | 90 | 30,5 | 4,0 | 391 | 12,51 |
| C 200 - 20 | 200 | 90 | 29,5 | 2,0 | 423 | 6,77 |
| C 200 - 25 | 200 | 90 | 30,5 | 2,5 | 421 | 8,42 |
| C 200 - 30 | 200 | 90 | 29,5 | 3,0 | 416 | 9,98 |
| C 200 - 35 | 200 | 90 | 34,5 | 3,5 | 423 | 11,84 |
| C 200 - 40 | 200 | 90 | 30,5 | 4,0 | 411 | 13,15 |
| C 250 - 25 | 250 | 90 | 26,5 | 2,5 | 463 | 9,26 |
| C 250 - 30 | 250 | 90 | 28,5 | 3,0 | 464 | 11,14 |
| C 300 - 30 | 300 | 120 | 26,5 | 3,0 | 570 | 13,68 |



Aus fertigungstechnischen Gründen sind bei den Auslaufrippen (c) Maßtoleranzen möglich.

WP C-Profile

Querschnittswerte



E

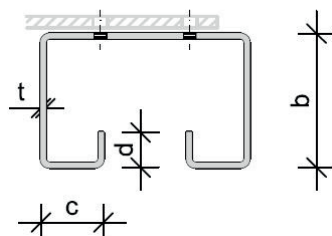
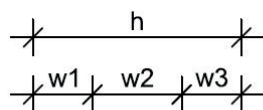
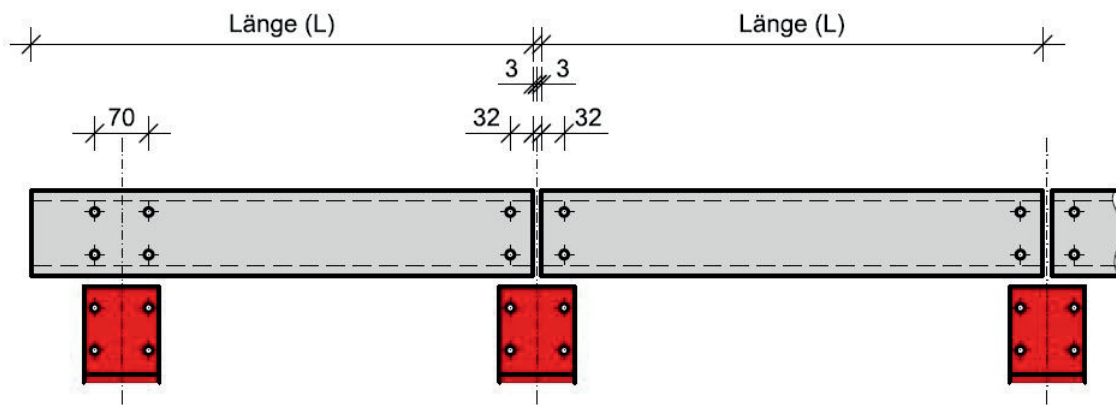
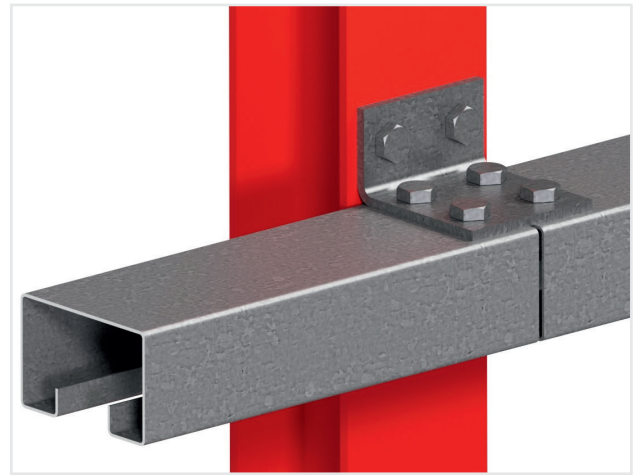
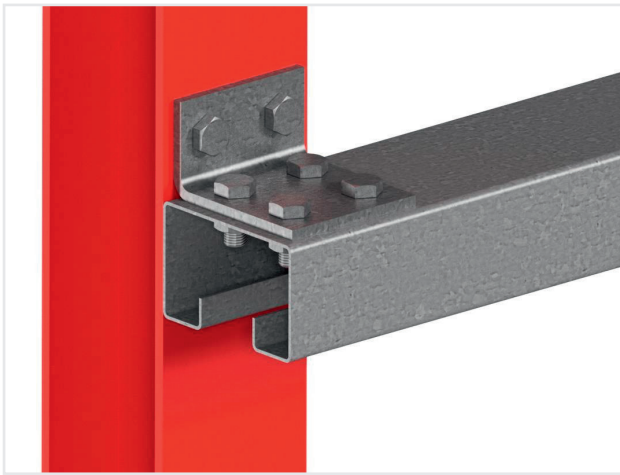
| Profil | Fläche A [cm ²] | Schwerpunkt | | Trägheitsmomente | | Momententragfähigkeit Mc.Rk [kNm] | |
|---------------|--------------------------------|-------------|---------|-----------------------------------|-----------------------------------|-----------------------------------|------|
| | | ys [mm] | zs [mm] | I _y [cm ⁴] | I _z [cm ⁴] | S320 | S390 |
| C 105x80 - 20 | 5,92 | 32,2 | 52,5 | 112,0 | 54,8 | 6,5 | 7,6 |
| C 105x80 - 25 | 7,34 | 32,2 | 52,5 | 137,5 | 66,9 | 8,2 | 9,9 |
| C 105x80 - 30 | 8,74 | 32,2 | 52,5 | 161,9 | 78,5 | 9,8 | 11,8 |
| C 105x90 - 20 | 6,32 | 36,8 | 52,5 | 122,6 | 72,6 | 6,8 | 7,9 |
| C 105x90 - 25 | 7,84 | 36,8 | 52,5 | 150,6 | 88,9 | 8,8 | 10,5 |
| C 105x90 - 30 | 9,34 | 36,8 | 52,5 | 177,5 | 104,4 | 10,6 | 12,7 |
| C 120 - 20 | 6,54 | 34,5 | 60,0 | 164,5 | 74,0 | 7,9 | 9,2 |
| C 120 - 25 | 8,14 | 34,7 | 60,0 | 202,7 | 91,2 | 10,3 | 12,2 |
| C 120 - 30 | 9,91 | 35,8 | 60,0 | 242,1 | 113,1 | 12,7 | 15,3 |
| C 140 - 20 | 6,90 | 32,3 | 70,0 | 231,9 | 76,9 | 9,5 | 11,1 |
| C 140 - 25 | 8,67 | 32,9 | 70,0 | 287,9 | 97,3 | 12,6 | 14,9 |
| C 140 - 30 | 10,48 | 33,7 | 70,0 | 343,6 | 118,9 | 15,4 | 18,5 |
| C 140 - 35 | 12,52 | 35,3 | 70,0 | 401,9 | 146,9 | 21,2 | — |
| C 140 - 40 | 14,26 | 35,5 | 70,0 | 443,2 | 165,7 | 24,1 | — |
| C 150 - 20 | 7,34 | 33,3 | 75,0 | 277,5 | 86,5 | 10,8 | 12,7 |
| C 150 - 25 | 9,32 | 34,4 | 75,0 | 346,4 | 112,0 | 14,4 | 17,0 |
| C 150 - 30 | 11,11 | 34,4 | 75,0 | 409,9 | 131,8 | 17,3 | 20,8 |
| C 150 - 35 | 12,91 | 34,6 | 75,0 | 472,2 | 151,8 | 23,3 | — |
| C 150 - 40 | 14,66 | 34,6 | 75,0 | 532,0 | 170,1 | 26,4 | — |
| C 160 - 20 | 7,34 | 30,9 | 80,0 | 315,1 | 82,0 | 11,3 | 13,3 |
| C 160 - 25 | 9,32 | 32,1 | 80,0 | 394,9 | 106,9 | 15,2 | 18,0 |
| C 160 - 30 | 11,11 | 32,1 | 80,0 | 467,4 | 125,7 | 18,3 | 22,0 |
| C 160 - 35 | 13,33 | 34,0 | 80,0 | 550,0 | 157,5 | 25,5 | — |
| C 160 - 40 | 15,06 | 33,7 | 80,0 | 618,1 | 174,2 | 28,7 | — |
| C 180 - 20 | 7,88 | 30,4 | 90,0 | 418,3 | 93,0 | 13,5 | 15,9 |
| C 180 - 25 | 9,82 | 30,5 | 90,0 | 517,5 | 111,4 | 17,6 | 20,9 |
| C 180 - 30 | 11,98 | 31,8 | 90,0 | 623,4 | 139,9 | 21,8 | 26,3 |
| C 180 - 35 | 14,13 | 32,8 | 90,0 | 726,5 | 167,7 | 30,1 | — |
| C 180 - 40 | 15,86 | 32,1 | 90,0 | 813,1 | 181,8 | 33,7 | — |
| C 200 - 20 | 8,48 | 30,4 | 100,0 | 543,4 | 100,6 | 16,0 | 18,7 |
| C 200 - 25 | 10,59 | 30,6 | 100,0 | 673,7 | 125,0 | 20,9 | 24,8 |
| C 200 - 30 | 12,57 | 30,4 | 100,0 | 795,9 | 145,1 | 25,0 | 30,1 |
| C 200 - 35 | 14,94 | 31,7 | 100,0 | 933,6 | 177,5 | 35,0 | — |
| C 200 - 40 | 16,83 | 30,6 | 100,0 | 1.039,8 | 188,7 | 38,9 | — |
| C 250 - 25 | 11,64 | 26,5 | 125,0 | 1.114,2 | 127,1 | 27,3 | 32,2 |
| C 250 - 30 | 14,02 | 27,0 | 125,0 | 1.334,2 | 154,1 | 33,4 | 40,1 |
| C 300 - 30 | 17,20 | 34,8 | 150,0 | 2.429,7 | 319,0 | 47,5 | 55,7 |

WP CL-Profile

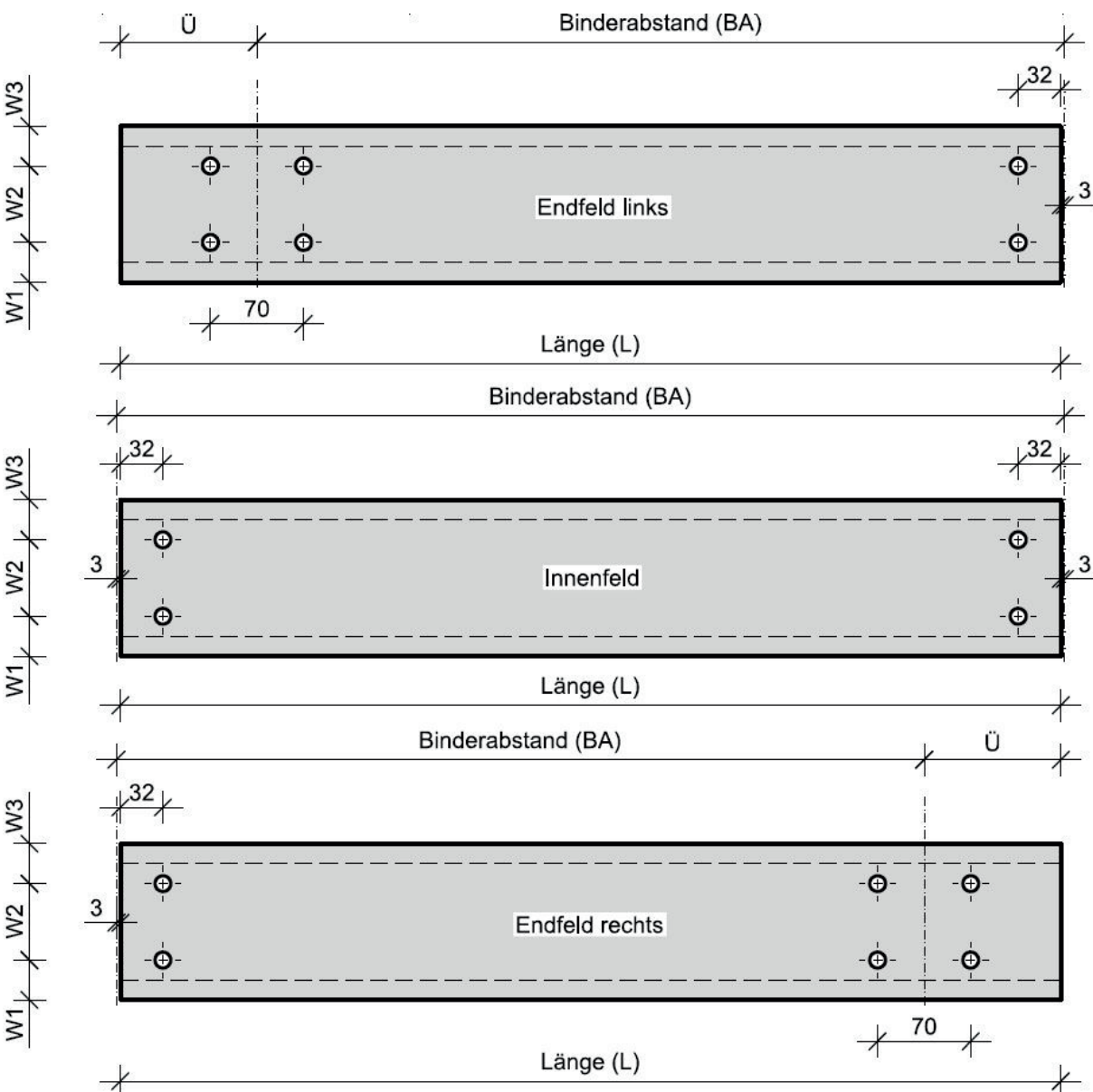
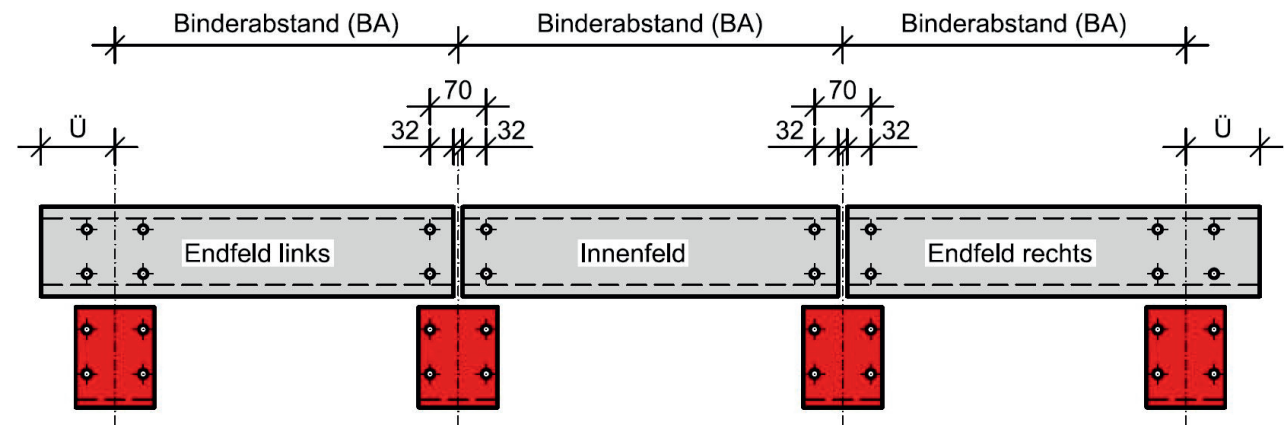
E



WP CL-Wandriegel dienen ebenfalls zur Aufnahme der Wandelemente und werden horizontal sowie vertikal als Einfeldträger vor oder zwischen den Stahlbindern montiert. Durch eine zusätzliche Ankantung, den sogenannten Bördel, weisen CL-Profile eine höhere Tragfähigkeit gegenüber C-Profilen auf.



WP CL-Profile



E

WP CL-Profile

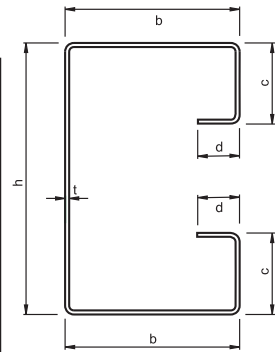
Abmessungen



E

Abmessungen

| Profil | Steg h [mm] | Gurt b [mm] | Lippe c [mm] | Bördel d [mm] | Blechdicke t [mm] | Zuschnitt Z _r [mm] | Gewicht g [kg/mtr] |
|-------------|----------------|----------------|-----------------|------------------|----------------------|----------------------------------|-----------------------|
| CL 140 - 20 | 140 | 90 | 42 | 22,0 | 2,0 | 423 | 6,77 |
| CL 140 - 25 | 140 | 90 | 42 | 23,5 | 2,5 | 421 | 8,42 |
| CL 140 - 30 | 140 | 90 | 42 | 23,3 | 3,0 | 416 | 9,98 |
| CL 150 - 20 | 150 | 90 | 42 | 20,5 | 2,0 | 430 | 6,88 |
| CL 150 - 25 | 150 | 90 | 42 | 28,0 | 2,5 | 440 | 8,80 |
| CL 150 - 30 | 150 | 90 | 42 | 25,5 | 3,0 | 430 | 10,32 |
| CL 160 - 20 | 160 | 90 | 42 | 20,5 | 2,0 | 440 | 7,04 |
| CL 160 - 25 | 160 | 90 | 42 | 23,0 | 2,5 | 440 | 8,80 |
| CL 160 - 30 | 160 | 90 | 42 | 25,5 | 3,0 | 440 | 10,56 |
| CL 180 - 20 | 180 | 90 | 42 | 20,5 | 2,0 | 460 | 7,36 |
| CL 180 - 25 | 180 | 90 | 42 | 24,5 | 2,5 | 463 | 9,26 |
| CL 180 - 30 | 180 | 90 | 42 | 27,5 | 3,0 | 464 | 11,14 |
| CL 200 - 20 | 200 | 100 | 42 | 20,5 | 2,0 | 500 | 8,00 |
| CL 200 - 25 | 200 | 100 | 42 | 23,0 | 2,5 | 500 | 10,00 |
| CL 200 - 30 | 200 | 100 | 42 | 25,5 | 3,0 | 500 | 12,00 |



Aus fertigungstechnischen Gründen sind bei den Auslaufflippen (d) Maßtoleranzen möglich.

WP CL-Profile

Querschnittswerte



E

Querschnittswerte

| Profil | Fläche A [cm ²] | Schwerpunkt | | Trägheitsmomente | | Momententragfähigkeit M _{c,Rk} [kNm] | |
|-------------|--------------------------------|---------------------|---------------------|-----------------------------------|-----------------------------------|---|------|
| | | y _s [mm] | z _s [mm] | I _y [cm ⁴] | I _z [cm ⁴] | S320 | S390 |
| CL 140 - 20 | 8,55 | 42,4 | 70,0 | 253,8 | 113,9 | 11,0 | 13,0 |
| CL 140 - 25 | 10,73 | 42,5 | 70,0 | 315,3 | 140,8 | 14,1 | 16,9 |
| CL 140 - 30 | 12,80 | 42,4 | 70,0 | 374,7 | 166,2 | 18,3 | 21,2 |
| CL 150 - 20 | 8,68 | 41,3 | 75,0 | 298,5 | 116,8 | 12,1 | 14,3 |
| CL 150 - 25 | 11,19 | 42,0 | 75,0 | 374,6 | 146,0 | 15,7 | 18,7 |
| CL 150 - 30 | 13,23 | 41,7 | 75,0 | 443,8 | 171,8 | 20,3 | 23,4 |
| CL 160 - 20 | 8,88 | 40,4 | 80,0 | 348,0 | 119,9 | 13,2 | 15,7 |
| CL 160 - 25 | 11,19 | 40,6 | 80,0 | 433,7 | 148,6 | 17,0 | 20,3 |
| CL 160 - 30 | 13,53 | 40,8 | 80,0 | 518,3 | 176,5 | 22,2 | 25,7 |
| CL 180 - 20 | 9,27 | 38,7 | 90,0 | 460,5 | 125,7 | 15,5 | 18,5 |
| CL 180 - 25 | 11,76 | 39,1 | 90,0 | 576,5 | 156,5 | 20,1 | 24,0 |
| CL 180 - 30 | 14,24 | 39,3 | 90,0 | 690,7 | 185,9 | 26,4 | 30,4 |
| CL 200 - 20 | 10,05 | 41,7 | 100,0 | 629,9 | 166,7 | 18,7 | 22,2 |
| CL 200 - 25 | 12,67 | 42,0 | 100,0 | 787,1 | 207,3 | 24,3 | 28,9 |
| CL 200 - 30 | 15,30 | 42,2 | 100,0 | 943,0 | 246,9 | 29,7 | 35,7 |

Riegelkonsolen für WP C- und CL-Profile

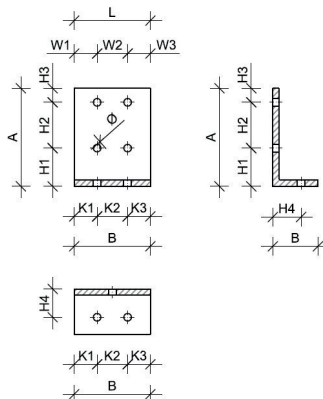
E

Abmessungen

| Riegel- konsole | Profil | L [mm] | t [mm] | A [mm] | | B [mm] | |
|--------------------|------------------|-----------|-----------|--------|----|--------|----|
| | | | | Höhe | ø | Breite | ø |
| C-RK 105 x 80 | L 90 x 60 x 8 | 130 | 8 | 90 | 12 | 60 | 14 |
| C-RK 105 x 90 | L 90 x 60 x 8 | 130 | 8 | 90 | 12 | 60 | 14 |
| C-RK 120 | L 100 x 65 x 9 | 130 | 9 | 100 | 12 | 65 | 14 |
| C-RK 140 | L 120 x 80 x 10 | 130 | 10 | 120 | 18 | 80 | 18 |
| C-RK 150 | L 130 x 65 x 8 | 130 | 8 | 130 | 18 | 65 | 18 |
| C-RK 160 | L 150 x 75 x 9 | 130 | 9 | 150 | 18 | 75 | 18 |
| C-RK 180 | L 160 x 80 x 10 | 130 | 10 | 160 | 18 | 80 | 18 |
| C-RK 200 | L 180 x 90 x 10 | 130 | 10 | 180 | 18 | 90 | 18 |
| C-RK 250 | L 200 x 100 x 10 | 130 | 10 | 200 | 18 | 100 | 18 |
| C-RK 300 | L 250 x 90 x 10 | 130 | 10 | 250 | 18 | 90 | 18 |

Lochbild

| Riegel- konsole | W1 [mm] | W2 [mm] | W3 [mm] | K1 [mm] | K2 [mm] | K3 [mm] | H1 [mm] | H2 [mm] | H3 [mm] | H4 [mm] |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| C-RK 105 x 80 | 30 | 70 | 30 | 30 | 70 | 30 | 32,5 | 40 | 17,5 | 35 |
| C-RK 105 x 90 | 30 | 70 | 30 | 30 | 70 | 30 | 32,5 | 40 | 17,5 | 35 |
| C-RK 120 | 30 | 70 | 30 | 30 | 70 | 30 | 35 | 50 | 15 | 35 |
| C-RK 140 | 30 | 70 | 30 | 30 | 70 | 30 | 40 | 60 | 20 | 35 |
| C-RK 150 | 30 | 70 | 30 | 30 | 70 | 30 | 45 | 60 | 25 | 35 |
| C-RK 160 | 30 | 70 | 30 | 30 | 70 | 30 | 45 | 70 | 35 | 45 |
| C-RK 180 | 30 | 70 | 30 | 30 | 70 | 30 | 55 | 70 | 35 | 45 |
| C-RK 200 | 30 | 70 | 30 | 30 | 70 | 30 | 50 | 100 | 30 | 45 |
| C-RK 250 | 30 | 70 | 30 | 30 | 70 | 30 | 65 | 110 | 25 | 50 |
| C-RK 300 | 30 | 70 | 30 | 30 | 70 | 30 | 80 | 120 | 50 | 50 |



WP Z-Profile



E

WP Z-Profile dienen als Unterkonstruktion für die Dacheindeckung. Die Montage erfolgt als Einfeldträger oder wahlweise als Koppelträger.



Einfeldsysteme zeigen ihre Stärke insbesondere bei kleinen Gebäuden bzw. unterschiedlichen Binderabständen mit geringen Belastungen.

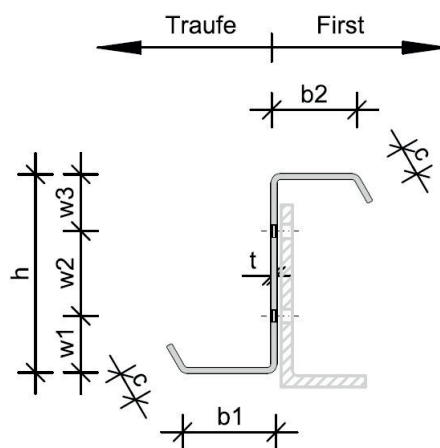
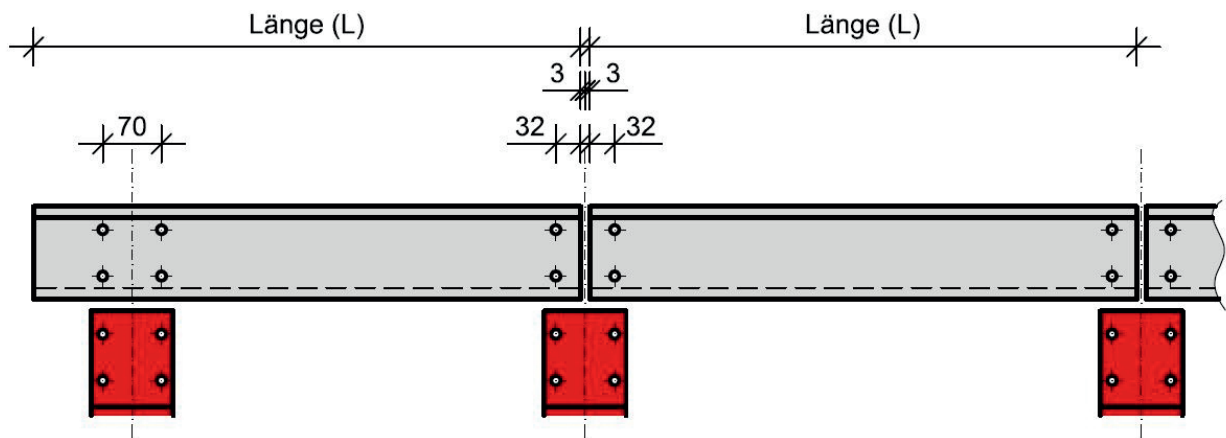
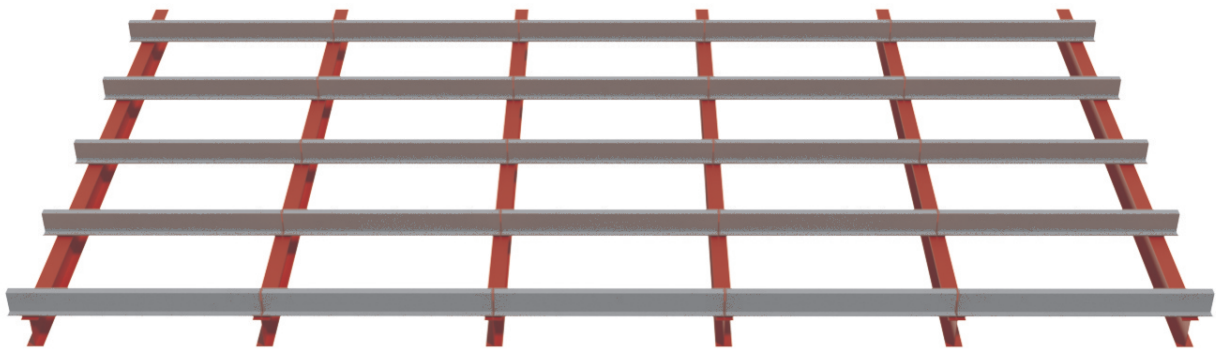


Die Verlegung als Koppelfette eignet sich besonders bei Gebäuden mit mehreren Binderfeldern, großen Binderabständen sowie hohen Belastungen.

WP Z-Profile

Verlegung als Einfeldsystem

E

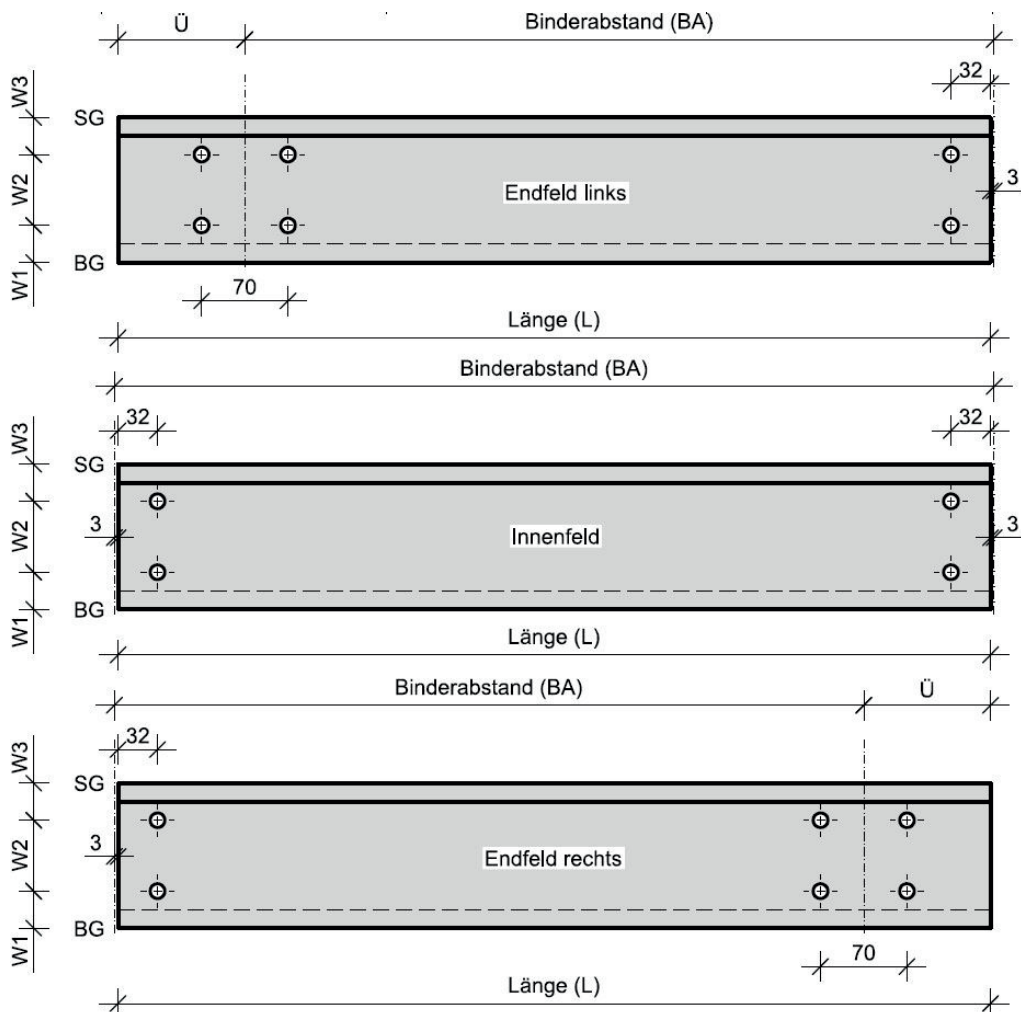
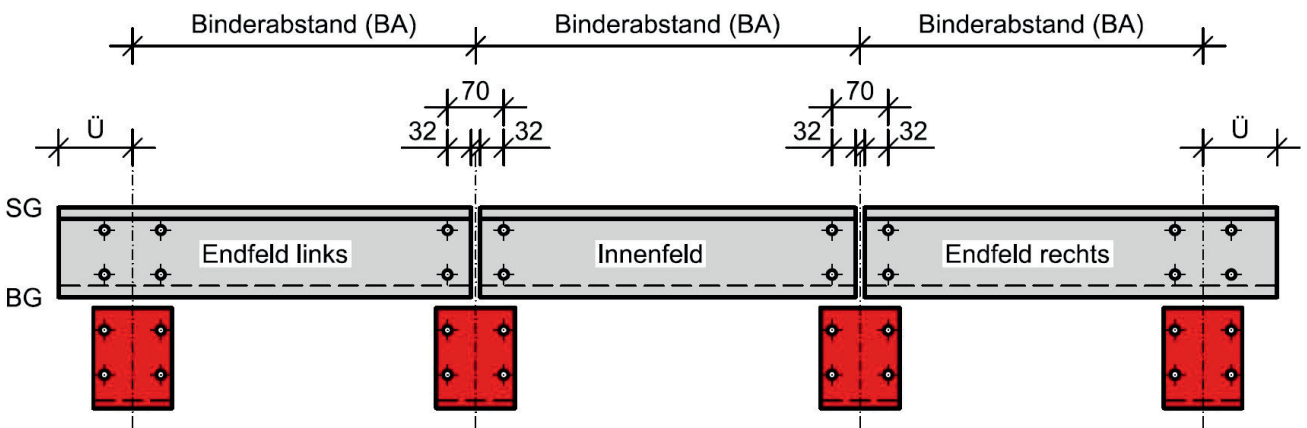


WP Z-Profil

Verlegung als Einfeldsystem



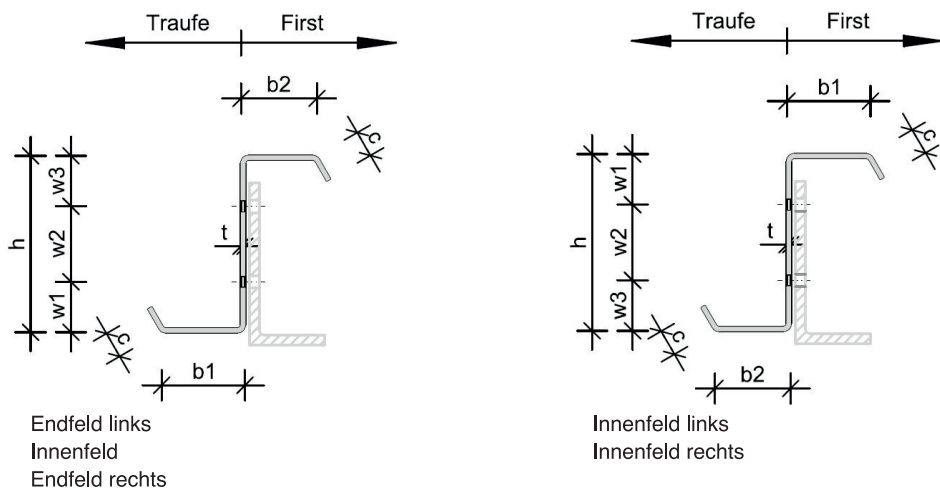
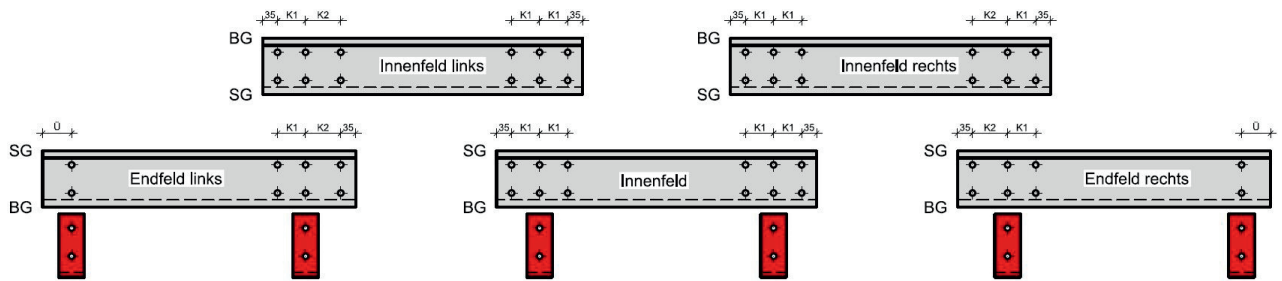
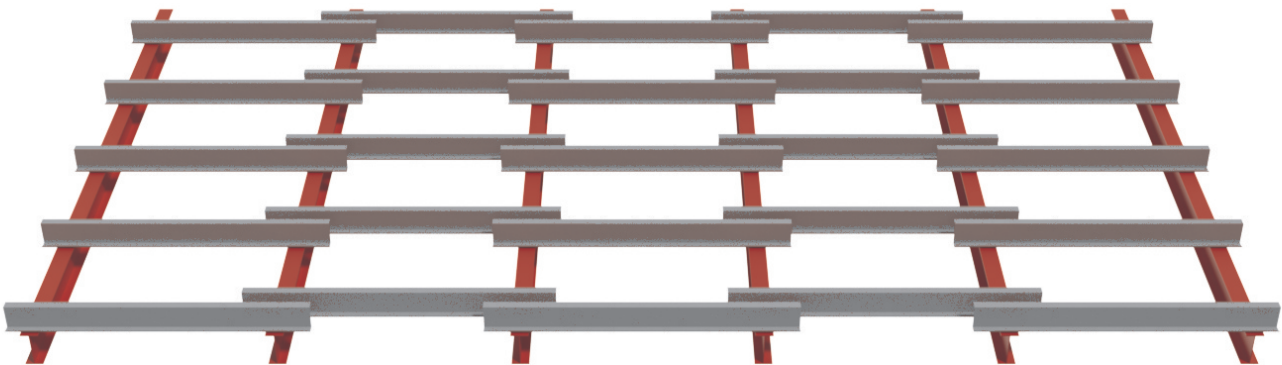
E



WP Z-Profile

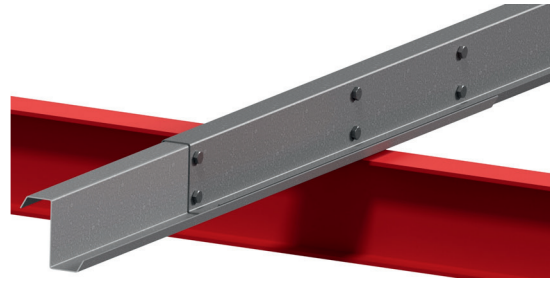
Verlegung als Koppelfettensystem
(Überlappungssystem)

E

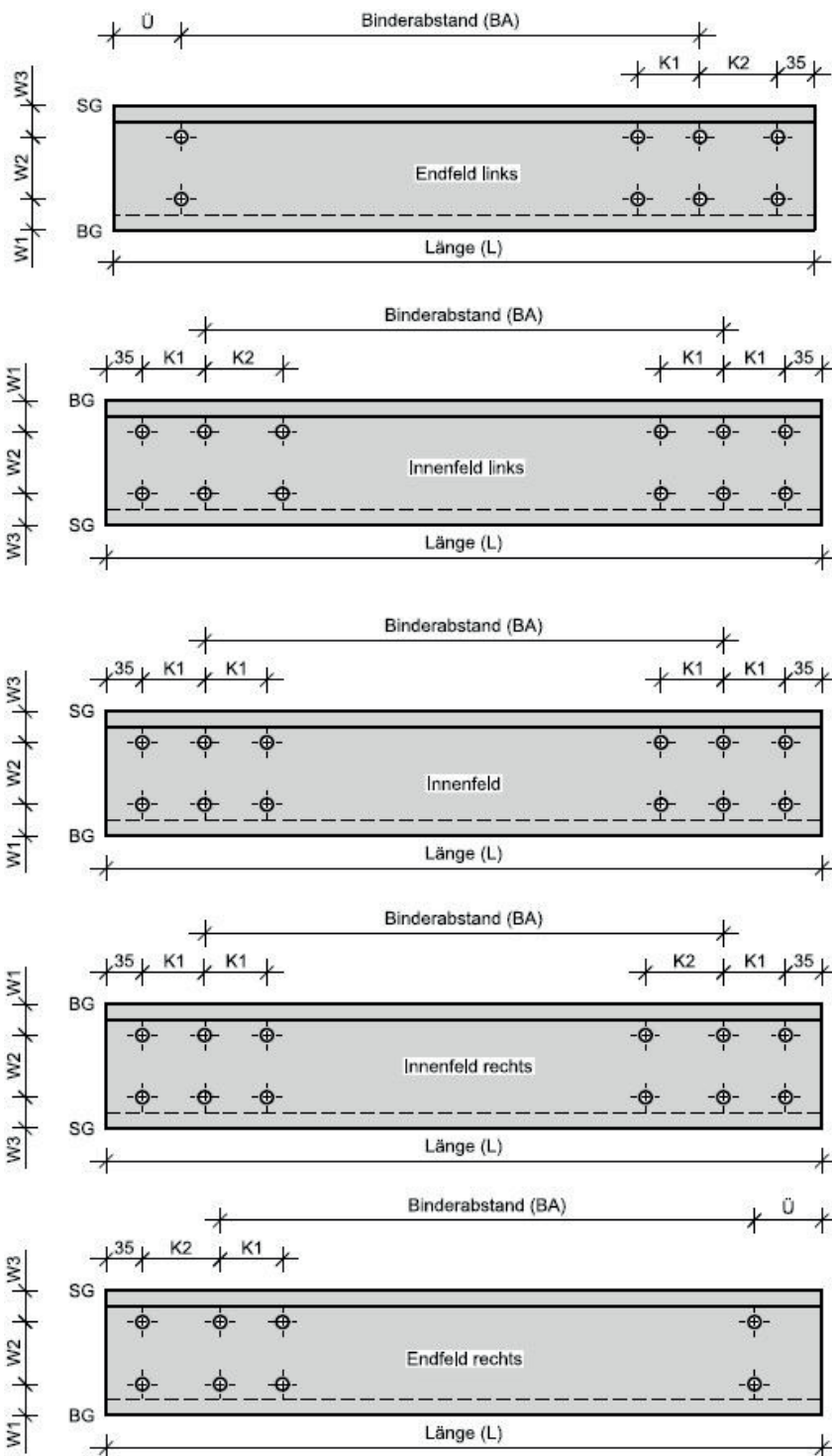


WP Z-Profile

Verlegung als Koppelfettensystem
(Überlappungssystem)



E



WP Z-Profile

Abmessungen

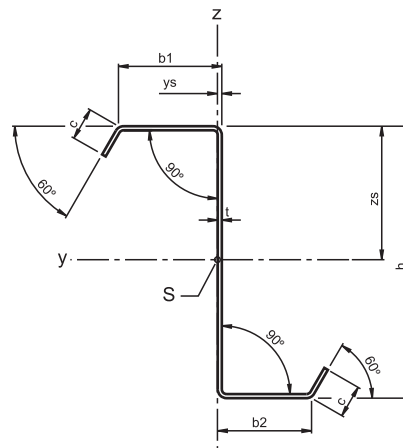


E

Abmessungen

| Profil | Steg h [mm] | Gurt b1 [mm] | Gurt b2 [mm] | Lippe c [mm] | Blechdicke t [mm] | Zuschnitt Z _r [mm] | Gewicht g [kg/mtr] |
|------------|----------------|-----------------|-----------------|-----------------|----------------------|----------------------------------|-----------------------|
| Z 140 - 20 | 140 | 66 | 59 | 21,0 | 2,0 | 295 | 4,72 |
| Z 140 - 25 | 140 | 66 | 59 | 20,5 | 2,5 | 292 | 5,84 |
| Z 140 - 30 | 140 | 66 | 59 | 25,0 | 3,0 | 298 | 7,15 |
| Z 160 - 20 | 160 | 71 | 64 | 30,5 | 2,0 | 344 | 5,50 |
| Z 160 - 25 | 160 | 71 | 64 | 32,0 | 2,5 | 344 | 6,88 |
| Z 160 - 30 | 160 | 71 | 64 | 34,0 | 3,0 | 346 | 8,30 |
| Z 180 - 20 | 180 | 71 | 64 | 20,5 | 2,0 | 344 | 5,50 |
| Z 180 - 25 | 180 | 71 | 64 | 22,0 | 2,5 | 344 | 6,88 |
| Z 180 - 30 | 180 | 71 | 64 | 24,0 | 3,0 | 346 | 8,30 |
| Z 200 - 20 | 200 | 76 | 69 | 20,0 | 2,0 | 373 | 5,97 |
| Z 200 - 25 | 200 | 76 | 69 | 20,0 | 2,5 | 370 | 7,40 |
| Z 200 - 30 | 200 | 76 | 69 | 24,0 | 3,0 | 376 | 9,02 |
| Z 220 - 20 | 220 | 76 | 69 | 20,0 | 2,0 | 393 | 6,29 |
| Z 220 - 25 | 220 | 76 | 69 | 20,0 | 2,5 | 390 | 7,80 |
| Z 220 - 30 | 220 | 76 | 69 | 24,0 | 3,0 | 396 | 9,50 |
| Z 240 - 20 | 240 | 81 | 74 | 20,0 | 2,0 | 423 | 6,77 |
| Z 240 - 25 | 240 | 81 | 74 | 20,5 | 2,5 | 421 | 8,42 |
| Z 240 - 30 | 240 | 81 | 74 | 26,0 | 3,0 | 430 | 10,32 |

Aus fertigungstechnischen Gründen sind bei den Auslauflappen (c) Maßtoleranzen möglich.



WP Z-Profile

Querschnittswerte



Querschnittswerte

| Profil | Fläche A [cm ²] | Schwerpunkt | | Trägheitsmomente | | Momententragfähigkeit M _{c,Rk} [kNm] | |
|------------|--------------------------------|---------------------|---------------------|-----------------------------------|-----------------------------------|---|------|
| | | y _s [cm] | z _s [cm] | I _y [cm ⁴] | I _z [cm ⁴] | S320 | S390 |
| Z 140 - 20 | 6,09 | 0,2 | 7,2 | 193,9 | 70,3 | 8,5 | 10,3 |
| Z 140 - 25 | 7,58 | 0,2 | 7,2 | 240,0 | 86,2 | 10,5 | 12,8 |
| Z 140 - 30 | 9,34 | 0,2 | 7,2 | 292,7 | 117,4 | 12,9 | 15,7 |
| Z 160 - 20 | 7,07 | 0,2 | 8,2 | 288,9 | 108,8 | 11,1 | 13,5 |
| Z 160 - 25 | 8,90 | 0,2 | 8,2 | 361,0 | 140,7 | 14,0 | 17,0 |
| Z 160 - 30 | 10,78 | 0,2 | 8,2 | 433,7 | 176,6 | 16,8 | 20,5 |
| Z 180 - 20 | 7,07 | 0,2 | 9,2 | 361,0 | 83,4 | 12,3 | 14,9 |
| Z 180 - 25 | 8,90 | 0,2 | 9,3 | 452,2 | 108,4 | 15,5 | 18,7 |
| Z 180 - 30 | 10,80 | 0,2 | 9,3 | 545,0 | 137,0 | 18,7 | 22,7 |
| Z 200 - 20 | 7,65 | 0,2 | 10,2 | 479,1 | 97,9 | 14,6 | 17,7 |
| Z 200 - 25 | 9,55 | 0,2 | 10,3 | 595,4 | 122,0 | 18,2 | 22,1 |
| Z 200 - 30 | 11,68 | 0,2 | 10,3 | 726,0 | 162,5 | 22,4 | 27,2 |
| Z 220 - 20 | 8,05 | 0,2 | 11,3 | 597,4 | 98,0 | 16,6 | 20,1 |
| Z 220 - 25 | 10,05 | 0,2 | 11,3 | 742,6 | 122,1 | 20,7 | 25,0 |
| Z 220 - 30 | 12,28 | 0,2 | 11,3 | 905,9 | 162,6 | 25,4 | 30,9 |
| Z 240 - 20 | 8,65 | 0,2 | 12,3 | 760,5 | 115,6 | 19,3 | 23,3 |
| Z 240 - 25 | 10,83 | 0,2 | 12,3 | 948,2 | 146,0 | 24,2 | 29,3 |
| Z 240 - 30 | 13,30 | 0,2 | 12,3 | 1.165,8 | 200,5 | 30,0 | 36,4 |

Pfettenschuhe 2-Loch für WP Z-Profile

E

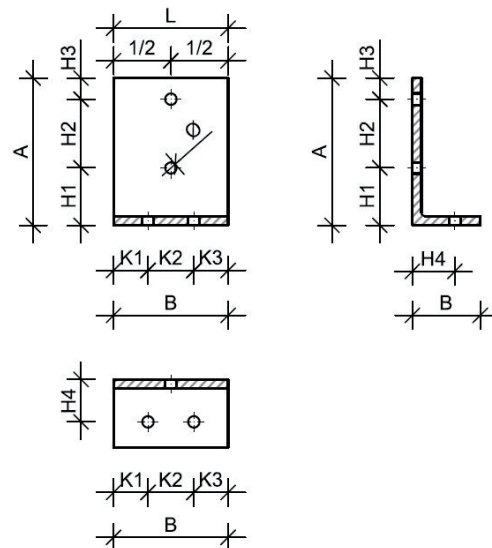
Pfettenschuhe werden benötigt, um unsere WP Z-Pfetten an die vorhandene Binderkonstruktion anzuschließen. Die Pfettenschuhe können durch Aufschweißen oder Anschrauben am Binder angebracht werden. Je nach Art des ausgewählten Systems und den statischen Erfordernissen erhalten Sie die Pfettenschuhe mit zwei bzw. vier Bohrungen für die Profilaufnahme.

Abmessungen

| Pfettenschuh | Profil | L [mm] | t [mm] | A [mm] | | B [mm] | |
|--------------|------------------|--------|--------|--------|----|--------|----|
| | | | | Höhe | ∅ | Breite | ∅ |
| Z-PS 140 | L 130 x 65 x 8 | 130 | 8 | 130 | 14 | 65 | 14 |
| Z-PS 160 | L 150 x 75 x 9 | 130 | 9 | 150 | 18 | 75 | 18 |
| Z-PS 180 | L 160 x 80 x 10 | 130 | 10 | 160 | 18 | 80 | 18 |
| Z-PS 200 | L 180 x 90 x 10 | 130 | 10 | 180 | 18 | 90 | 18 |
| Z-PS 220 | L 200 x 100 x 10 | 130 | 10 | 200 | 18 | 100 | 18 |
| Z-PS 240 | L 240 x 100 x 10 | 130 | 10 | 200 | 18 | 100 | 18 |

Lochbild

| Pfettenschuh | K1 [mm] | K2 [mm] | K3 [mm] | H1 [mm] | H2 [mm] | H3 [mm] | H4 [mm] |
|--------------|---------|---------|---------|---------|---------|---------|---------|
| Z-PS 140 | 30 | 70 | 30 | 45 | 60 | 25 | 35 |
| Z-PS 160 | 30 | 70 | 30 | 45 | 80 | 25 | 45 |
| Z-PS 180 | 30 | 70 | 30 | 55 | 80 | 25 | 50 |
| Z-PS 200 | 30 | 70 | 30 | 60 | 90 | 30 | 60 |
| Z-PS 220 | 30 | 70 | 30 | 60 | 110 | 30 | 60 |
| Z-PS 240 | 30 | 70 | 30 | 70 | 110 | 20 | 60 |



Pfettenschuhe 4-Loch für WP Z-Profile



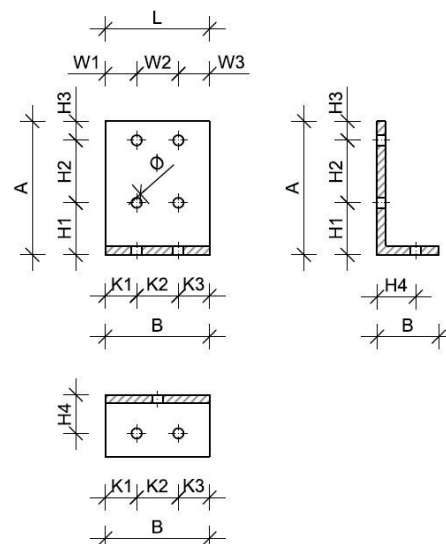
Pfettenschuhe werden benötigt, um unsere WP Z-Pfetten an die vorhandene Binderkonstruktion anzuschließen. Die Pfettenschuhe können durch Aufschweißen oder Anschrauben am Binder angebracht werden. Je nach Art des ausgewählten Systems und den statischen Erfordernissen erhalten Sie die Pfettenschuhe mit zwei bzw. vier Bohrungen für die Profilaufnahme.

Abmessungen

| Pfettenschuh | Profil | L [mm] | t [mm] | A [mm] | | B [mm] | |
|--------------|------------------|--------|--------|--------|----|--------|----|
| | | | | Höhe | ∅ | Breite | ∅ |
| Z-PS 140 | L 130 x 65 x 8 | 130 | 8 | 130 | 14 | 65 | 14 |
| Z-PS 160 | L 150 x 75 x 9 | 130 | 9 | 150 | 18 | 75 | 18 |
| Z-PS 180 | L 160 x 80 x 10 | 130 | 10 | 160 | 18 | 80 | 18 |
| Z-PS 200 | L 180 x 90 x 10 | 130 | 10 | 180 | 18 | 90 | 18 |
| Z-PS 220 | L 200 x 100 x 10 | 130 | 10 | 200 | 18 | 100 | 18 |
| Z-PS 240 | L 240 x 100 x 10 | 130 | 10 | 200 | 18 | 100 | 18 |

Lochbild

| Pfettenschuh | W1 [mm] | W2 [mm] | W3 [mm] | K1 [mm] | K2 [mm] | K3 [mm] | H1 [mm] | H2 [mm] | H3 [mm] | H4 [mm] |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Z-PS 140 | 30 | 70 | 30 | 30 | 70 | 30 | 45 | 60 | 25 | 35 |
| Z-PS 160 | 30 | 70 | 30 | 30 | 70 | 30 | 45 | 80 | 25 | 45 |
| Z-PS 180 | 30 | 70 | 30 | 30 | 70 | 30 | 55 | 80 | 25 | 50 |
| Z-PS 200 | 30 | 70 | 30 | 30 | 70 | 30 | 60 | 90 | 30 | 60 |
| Z-PS 220 | 30 | 70 | 30 | 30 | 70 | 30 | 60 | 110 | 30 | 60 |
| Z-PS 240 | 30 | 70 | 30 | 30 | 70 | 30 | 70 | 110 | 20 | 60 |



Dachschubaufnahme

E

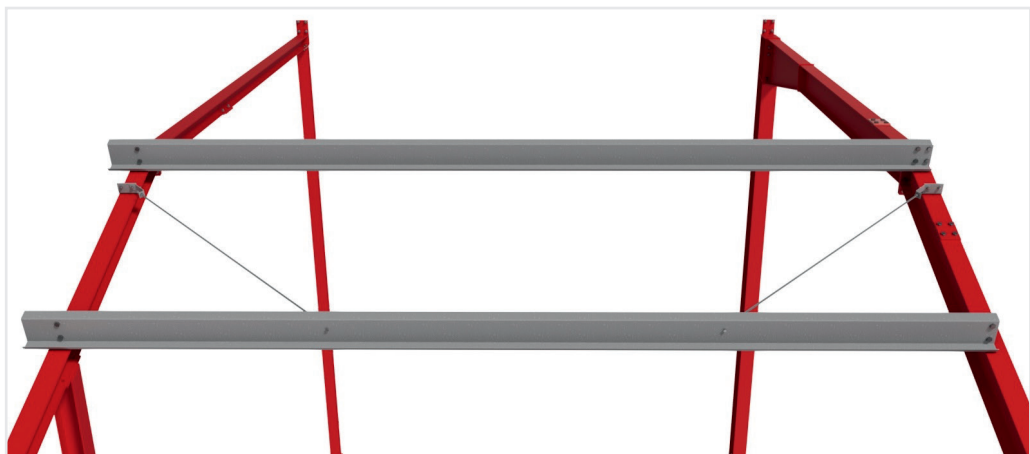
**Inneres
Firstblech**



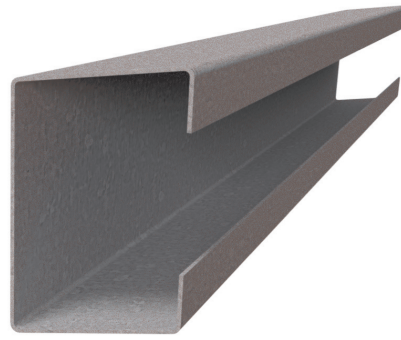
**Schlaudern-
verbindung
in den
Firstpfetten**



**Schrägabhän-
gungen**

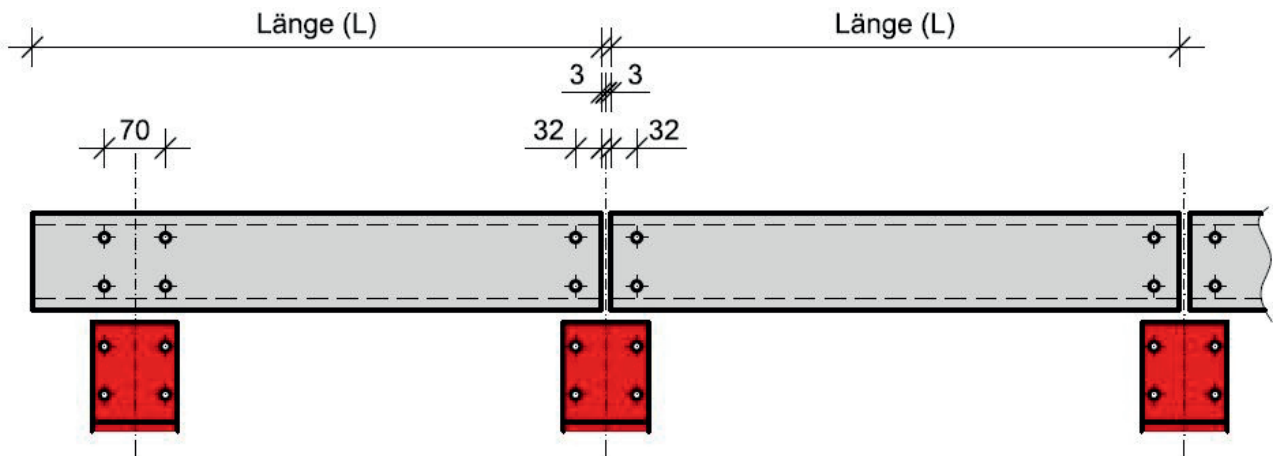
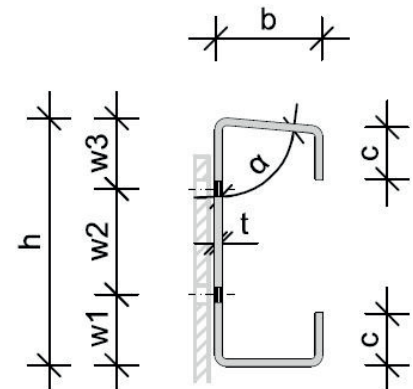
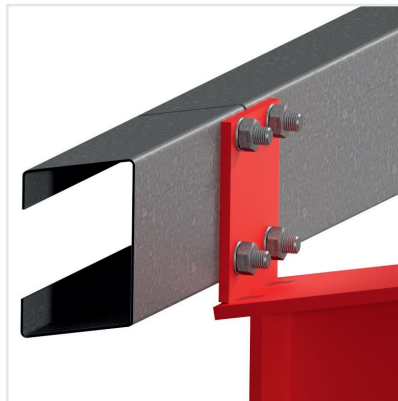
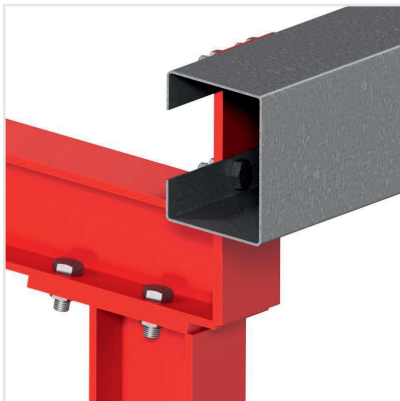


WP Traufriegel



E

WP Traufriegel finden ihren Einsatz im Dachrandbereich. Sie fungieren gleichzeitig als Z-Pfetten bzw. Wandriegel und ermöglichen somit die Aufnahme von Lasten aus der Dach- sowie der Wandkonstruktion. Die Montage erfolgt grundsätzlich als Einfeldträger.



WP Traufriegel

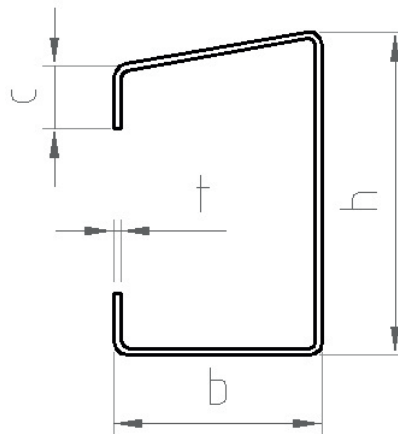
Abmessungen

E

Abmessungen

| Profil | Steg h [mm] | Breite b [mm] | Lippe c [mm] | Blech- dicke t [mm] | Grad- zahl α ° | Zuschnitt Zr [mm] | Gewicht G [kg] | Fläche A [cm ²] | Schwerpunkt | | Trägheitsmomente | | Bohrmaße | | |
|------------|-------------------|---------------------|--------------------|------------------------------|-------------------------|-------------------------|----------------------|-----------------------------------|-------------|------------|--------------------------|--------------------------|------------|------------|------------|
| | | | | | | | | | Ys [mm] | Zs [mm] | Iy [cm ⁴] | Iz [cm ⁴] | W1 [mm] | W2 [mm] | W3 [mm] |
| T 140 - 20 | 140 | 100 | 35,0 | 2,0 | 10-15° | 400 | 6,40 | 8,00 | 57,4 | 13,3 | 218,2 | 122,6 | 35,0 | 70,0 | 35,0 |
| T 140 - 25 | 140 | 100 | 37,0 | 2,5 | 10-15° | 400 | 8,00 | 10,00 | 56,5 | 11,4 | 270,8 | 154,6 | 35,0 | 70,0 | 35,0 |
| T 140 - 30 | 140 | 100 | 38,0 | 3,0 | 10-15° | 400 | 9,60 | 12,00 | 56,0 | 10,4 | 321,8 | 185,1 | 35,0 | 70,0 | 35,0 |
| T 160 - 20 | 160 | 100 | 34,0 | 2,0 | 10-15° | 416 | 6,66 | 8,32 | 59,8 | 24,9 | 303,1 | 125,9 | 40,0 | 80,0 | 40,0 |
| T 160 - 25 | 160 | 100 | 35,0 | 2,5 | 10-15° | 416 | 8,32 | 10,40 | 59,0 | 23,0 | 377,0 | 159,1 | 40,0 | 80,0 | 40,0 |
| T 160 - 30 | 160 | 100 | 37,0 | 3,0 | 10-15° | 416 | 9,98 | 12,48 | 58,2 | 21,0 | 449,4 | 192,6 | 40,0 | 80,0 | 40,0 |
| T 180 - 20 | 180 | 100 | 35,0 | 2,0 | 10-15° | 440 | 7,04 | 8,80 | 61,0 | 32,7 | 406,4 | 134,2 | 45,0 | 90,0 | 45,0 |
| T 180 - 25 | 180 | 100 | 37,0 | 3,0 | 10-15° | 450 | 9,00 | 11,25 | 60,2 | 30,7 | 506,2 | 169,6 | 45,0 | 90,0 | 45,0 |
| T 180 - 30 | 180 | 100 | 38,0 | 3,0 | 10-15° | 450 | 10,80 | 13,50 | 59,7 | 29,8 | 603,4 | 203,2 | 45,0 | 90,0 | 45,0 |
| T 200 - 20 | 200 | 100 | 40,0 | 2,0 | 10-15° | 470 | 7,52 | 9,40 | 61,3 | 37,6 | 531,1 | 147,0 | 50,0 | 100,0 | 50,0 |
| T 200 - 25 | 200 | 100 | 42,0 | 2,5 | 10-15° | 470 | 9,40 | 11,75 | 60,5 | 35,7 | 662,1 | 185,4 | 50,0 | 100,0 | 50,0 |
| T 200 - 30 | 200 | 100 | 43,0 | 3,0 | 10-15° | 470 | 11,28 | 14,10 | 60,0 | 34,7 | 789,9 | 221,9 | 50,0 | 100,0 | 50,0 |
| T 220 - 20 | 220 | 100 | 45,0 | 2,0 | 10-15° | 500 | 8,00 | 10,00 | 61,5 | 42,5 | 677,2 | 159,6 | 55,0 | 110,0 | 55,0 |
| T 220 - 25 | 220 | 100 | 47,0 | 2,5 | 10-15° | 500 | 10,00 | 12,50 | 60,8 | 40,6 | 844,7 | 201,1 | 55,0 | 110,0 | 55,0 |
| T 220 - 30 | 220 | 100 | 48,0 | 3,0 | 10-15° | 500 | 12,00 | 15,00 | 60,3 | 39,6 | 1008,4 | 240,7 | 55,0 | 110,0 | 55,0 |
| T 240 - 20 | 240 | 100 | 36,0 | 2,0 | 10-15° | 500 | 8,00 | 10,00 | 65,2 | 60,7 | 823,4 | 150,1 | 60,0 | 120,0 | 60,0 |
| T 240 - 25 | 240 | 100 | 37,0 | 2,5 | 10-15° | 500 | 10,00 | 12,50 | 64,6 | 60,0 | 1026,7 | 187,1 | 60,0 | 120,0 | 60,0 |
| T 240 - 30 | 240 | 100 | 38,0 | 3,0 | 10-15° | 500 | 12,00 | 15,00 | 64,1 | 59,1 | 12227,2 | 225,0 | 60,0 | 120,0 | 60,0 |

Trägheitsmomente bezogen auf 15°



Anfrage für Pfetten und Wandriegel

Kunde:

Ansprechpartner:

Datum:



Bauvorhaben:

PLZ:

Bauort:

Pfetten

Traufprofil

Wandriegel

Hallentyp

Satteldach

Pultdach

| | | |
|---------------|--|---|
| Hallenbreite | | m |
| Traufhöhe | | m |
| Dachneigung | | ° |
| Hallenlänge | | m |
| Binderabstand | | m |

Halle

geschlossen

einseitig offen

beidseitig offen

dreiseitig offen

offen

Belastungen

nach Bauort

| | | |
|----------------|--|-------|
| Schnee | | KN/qm |
| Dacheindeckung | | KN/qm |
| Zusatzlasten | | KN/qm |
| Windlast | | KN/qm |
| Normalkraft | | KN |

Statisches System

Einfeldpfette

Koppelpfette

| | | |
|----------------|--|---|
| Pfettenabstand | | m |
|----------------|--|---|

Durchbiegung

nach Norm

L/_____

| | |
|----------------|--|
| Dacheindeckung | |
| Fabrikat | |

| | | | | | |
|-------------------|--|---|--------|--|---|
| Wandriegelabstand | | m | Sockel | | m |
|-------------------|--|---|--------|--|---|

Durchbiegung

nach Norm

L/_____

| | |
|-----------------|--|
| Wandverkleidung | |
| Fabrikat | |

Kontakt: R. Wiegmann Umformtechnik GmbH, Tel. 0 54 39/9 50-222, Fax 9 50-100, sales@wiegmann-gruppe.de

