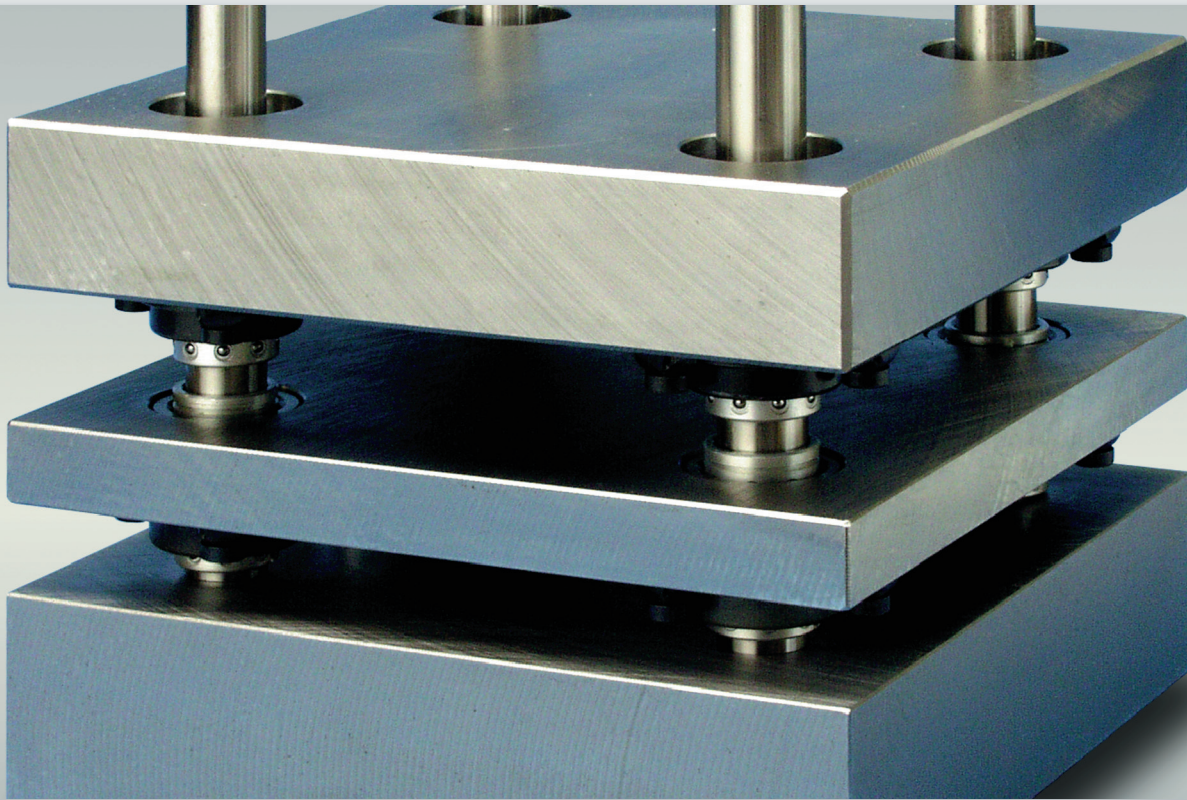




MSP N G
M B
H

Märkische Stanz-Partner

[SG]



[säulengestelle]

Toleranzangaben für Säulengestelle aus Stahl

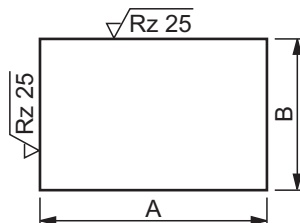


G
M
B
H

Märkische Stanz-Partner

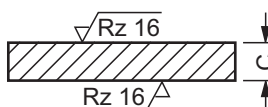
Material: C45

Toleranz Außenmaße



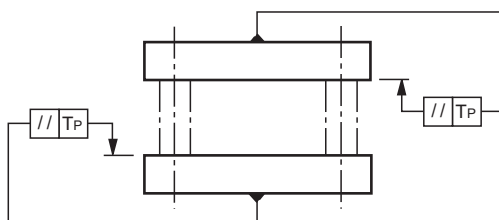
$$A \times B \begin{matrix} + 0 \\ - 4 \end{matrix}$$

Toleranz Plattenstärke



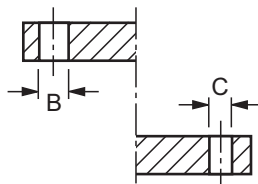
$$C \pm 2$$

Parallelität der Flächenpaare



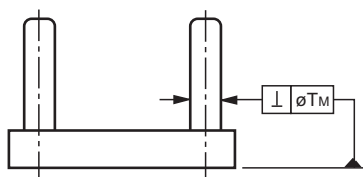
$$TP = 0,012 / 100 \text{ mm}$$

Bohrungstoleranzen



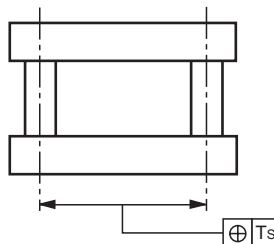
- B = Aufnahmebohrung Buchse:**
 FS 468 = K7
 FS 4 .. = H6
 FS 6 .. = H6
 FS 7 .. = H6
- C = Aufnahmebohrung Säule:**
 FS 420 = R7
 FS 419 = JS6
 FS 400/403 = H6

Winkelgenauigkeit der
Führungssäulen



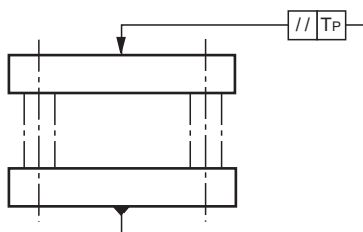
$$TM = 0,012 / 100 \text{ mm}$$

Toleranz Systemabstände



$$Ts = \pm 0,010$$

Planparallelität im
zusammengebauten Zustand



$$TP = 0,015 / 100 \text{ mm}$$



Säulengestelle aus Stahl, Typ A-C-D-Q

Säulen-Buchsen-Kombination für 2-Plattengestelle



Märkische Stanz-Partner

Bestellbeispiel

| | | | | |
|------------|--------------|-----------|------------|--------------------------|
| 2 C | 643 | P | 41 | Z |
| Gestelltyp | Kataloggröße | Säulentyp | Buchsentyp | Position der Haltestücke |

Gestelltyp

Position der Haltestücke

Buchsentyp

Sinterbuchse

| | | |
|--------|--------|--------|
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

Stahlbuchse mit Bronzeplattierung

| | | |
|--------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

Stahlbuchse mit Ms-Käfig

| | | |
|-----------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

Säulentyp

| | | |
|--------------------|-------------------------------------|-------------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + FS 403 |
| P | R | S |



Säulengestelle aus Stahl, Typ A-C-D-Q

Säulen-Buchsen-Kombination für 3-Plattengestelle



Märkische Stanz-Partner

Bestellbeispiel

| 3 C | 643 | P | 71 | Z |
|--|-------------------------------------|--|------------|--------------------------|
| Gestelltyp | Kataloggröße | Säulentyp | Buchsentyp | Position der Haltestücke |
| Gestelltyp | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Buchsentyp | | | | |
| Sinterbuchse | | | | |
| <p>C2 = FS 741 C3 = FS 731</p> | | <p>C2 = FS 732 C3 = FS 731</p> | | |
| 88 | | 87 | | |
| Stahlbuchse mit Bronzeplattierung | | | | |
| <p>C2 = FS 641 C3 = FS 631</p> | | <p>C2 = FS 632 C3 = FS 631</p> | | |
| 71 | | 72 | | |
| Stahlbuchse mit Ms-Käfig | | | | |
| <p>C2 = FS 458 + FS 425 C3 = FS 457 + FS 425</p> | | <p>C2 = FS 453 + FS 425 C3 = FS 457 + FS 425</p> | | |
| 91 | | 92 | | |
| Säulentyp | | | | |
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch | | |
| <p>L1 C1</p> <p>FS 420</p> | <p>L2 C1</p> <p>FS 419</p> | <p>L3 C1 13</p> <p>FS 400 + FS 403</p> | | |
| P | R | S | | |
| Position der Haltestücke | | | | |
| <p>Pos. Z</p> | | <p>Pos. X</p> | | |

Säulengestelle aus Stahl, Typ A-C-D-Q

Bestellbeispiel Sondergrößen



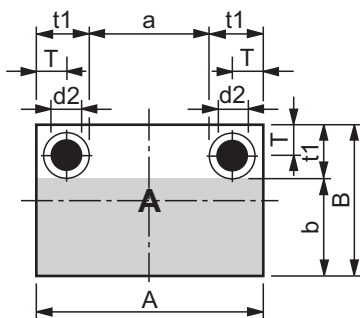
Märkische Stanz-Partner

| Position | Plattenmaße A x B | Plattenstärke | | | Säulentyp in C1 od. C2* | | Buchsentyp in C1 od. C2** | | Buchsentyp in C3 | | Haltestückposition |
|----------|----------------------|---------------|----|----|-------------------------|-------------|---------------------------|------------|------------------|------------|--------------------|
| | | C1 | C2 | C3 | FS ... | d1 x l | FS ... | d x l | FS ... | d x l | |
| Q | 610 x 494 | 78 | 48 | 38 | 420 | 40/42 x 250 | 632 | 40/42 x 67 | 631 | 40/42 x 51 | X |

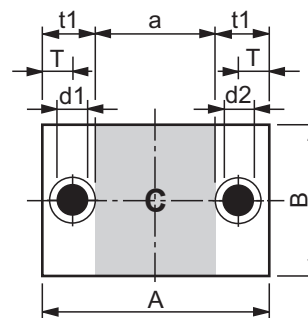
* = Säulentyp in C1 oder C2 bitte eingeben. ** = Buchsentyp in C1 oder C2 bitte eingeben.

Arbeitsflächen

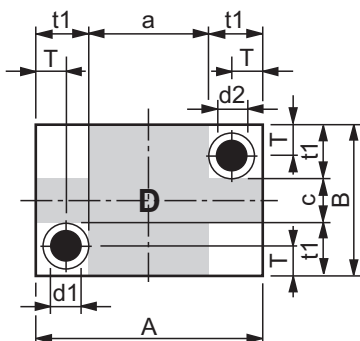
b = B - t1



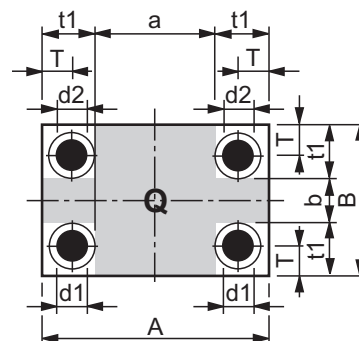
a = A - (2 x t1)



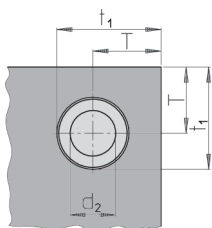
a = A - (2 x t1)
c = B - (2 x t1)



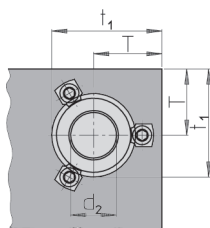
a = A - (2 x t1)
b = B - (2 x t1)



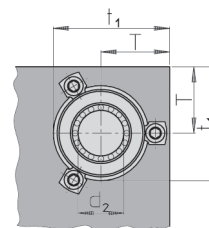
Zylindrische Führungsbuchsen



Führungsbuchsen mit Bund



Führungsbuchsen mit Bund für Kugelführung



| d ₁ /d ₂ | T | t ₁ | d ₁ /d ₂ | T | t ₁ | d ₁ /d ₂ | T | t ₁ |
|--------------------------------|----|----------------|--------------------------------|----|----------------|--------------------------------|----|----------------|
| 18/19 | 25 | 40 | 18/19 | 32 | 49 | 18/19 | 35 | 55 |
| 24/25 | 29 | 46 | 24/25 | 37 | 59 | 24/25 | 40 | 65 |
| 30/32 | 37 | 60 | 30/32 | 44 | 71 | 30/32 | 48 | 79 |
| 40/42 | 45 | 74 | 40/42 | 49 | 81 | 40/42 | 53 | 89 |
| 50/52 | 52 | 87 | 50/52 | 57 | 97 | 50/52 | 61 | 105 |
| 63 | - | - | 63 | 64 | 117 | 63 | - | - |
| 80 | - | - | 80 | 73 | 135 | 80 | - | - |



Säulengestelle aus Stahl

2 Platten, 2 Säulen, Typ A-C-D



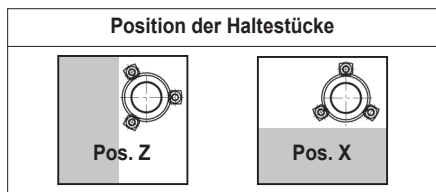
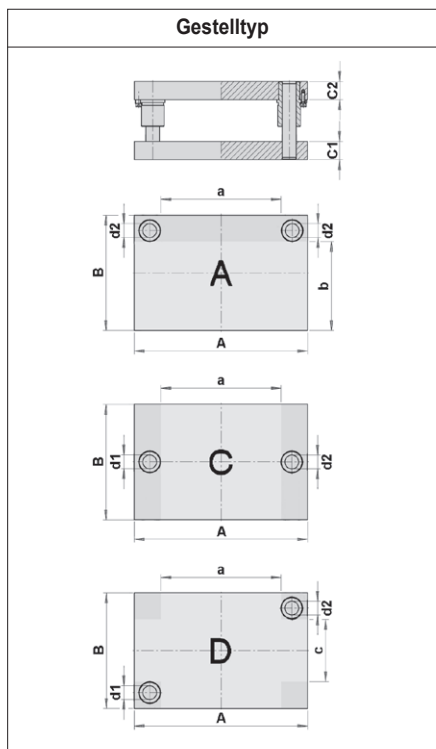
Märkische Stanz-Partner

| Buchsentyp | | |
|--------------|--------|--------|
| Sinterbuchse | | |
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

| Stahlbuchse mit Bronzeplattierung | | |
|-----------------------------------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

| Stahlbuchse mit Ms-Käfig | | |
|--------------------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + 403 |
| P | R | S |



| Größe | Abmessungen | | | | | | | Arbeitsflächen | | | | | | Gewicht [kg] | |
|-------|-------------|---------------|----|----|------------|-------------|----|----------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 46 | | 47 | | 48 | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | | c X A |

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----------------|----|----|---|-------|-----|-----|-----|--|--|--|-----------------|-----------------|-----------------|--|--|-----------------|-----------------|----------------|------|
| 601 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | | | 7,0 |
| 602 | 125 X 125 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 27 X 125 | 76 X 125 | 27 X 125 | | | 70 X 125 | | | 7,7 |
| 603 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | | | 8,9 |
| 604 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | | | 8,8 |
| 605 | 160 X 125 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 62 X 125 | 76 X 160 | 27 X 160 | | | 50 X 125 | 70 X 160 | | 9,6 |
| 606 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | | | 11,2 |
| 607 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | | | 11,0 |
| 608 | 160 X 160 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 62 X 160 | 111 X 160 | 62 X 160 | | | 50 X 160 | 105 X 160 | 50 X 160 | 12,0 |
| 609 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | | | 14,0 |
| 610 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | | | 10,8 |
| 611 | 200 X 125 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 102 X 125 | 76 X 200 | 27 X 200 | | | 90 X 125 | 70 X 200 | | 11,8 |
| 612 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | | | 13,7 |
| 613 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 16,4 |
| 614 | 200 X 160 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 82 X 160 | 101 X 200 | 42 X 200 | | | 70 X 160 | 95 X 200 | 30 X 200 | 17,6 |
| 615 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | 22,6 |
| 616 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 20,2 |
| 617 | 200 X 200 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 82 X 200 | 141 X 200 | 82 X 200 | | | 70 X 200 | 135 X 200 | 70 X 200 | 21,8 |
| 618 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | 28,0 |
| 619 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 16,0 |
| 620 | 250 X 125 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 132 X 125 | 66 X 250 | | | | 120 X 125 | 60 X 250 | | 17,3 |
| 621 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | 22,1 |
| 622 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 20,2 |
| 623 | 250 X 160 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 132 X 160 | 101 X 250 | 42 X 250 | | | 120 X 160 | 95 X 250 | 30 X 250 | 21,8 |
| 624 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | 28,0 |
| 625 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 25,0 |
| 626 | 250 X 200 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 132 X 200 | 141 X 250 | 82 X 250 | | | 120 X 200 | 135 X 250 | 70 X 250 | 27,0 |
| 627 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | 34,8 |
| 628 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | 36,4 |
| 629 | 250 X 250 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 108 X 250 | 179 X 250 | 108 X 250 | | | 92 X 250 | 171 X 250 | 92 X 250 | 38,8 |
| 630 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | 43,7 |



Säulengestelle aus Stahl

2 Platten, 2 Säulen, Typ A-C-D



Märkische Stanz-Partner

| Buchsentyp | | |
|--------------|--------|--------|
| Sinterbuchse | | |
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

| Stahlbuchse mit Bronzeplattierung | | |
|-----------------------------------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

| Stahlbuchse mit Ms-Käfig | | |
|--------------------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

| Säulentyp | | |
|-------------|-----------------------------------|-----------------------------------|
| eingepresst | Schnellwechsel- säule mit Bund | Schnellwechsel- säule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + 403 |
| P | R | S |

| Gestelltyp | |
|------------|--|
| | |
| | |

| Position der Haltestücke | |
|--------------------------|--------|
| | |
| Pos. Z | Pos. X |

| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | | | | Gewicht [kg] | | | | | |
|-------|-------------|--------------------|----|----|------------|------------------|----------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|---------|---------|---------|-------------|
| | A X B | Platten- stärke | | | Ø d1/d2 | Säulen- länge | | | 46 41 | | | 47 42 | | | 48 43 | | | 51 B | 52 A | 53 A | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | c X A | a X B | | b X A | | | | c X A |
| 631 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 24,0 | |
| 632 | 300 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | | 182 | 101 | 42 | 170 | 95 | 30 | | 25,9 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 160 | | | | | | | | | | | | 160 | 300 | 300 | 160 | 300 | 300 | | 33,4 | |
| 633 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | |
| 634 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 29,8 | |
| 635 | 300 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | | 182 | 141 | 82 | 170 | 135 | 70 | | 32,1 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 200 | | | | | | | | | | | | 200 | 300 | 300 | 200 | 300 | 300 | | 41,5 | |
| 636 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | |
| 637 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | 43,3 | |
| 638 | 300 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | | 158 | 179 | 108 | 142 | 171 | 92 | | 46,3 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 250 | | | | | | | | | | | | 250 | 300 | 300 | 250 | 300 | 300 | | 52,5 | |
| 639 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | |
| 640 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | 52,0 | |
| 641 | 300 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | | 158 | 229 | 158 | 142 | 221 | 142 | | 55,5 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 300 | | | | | | | | | | | | 300 | 300 | 300 | 300 | 300 | 300 | | 62,5 | |
| 642 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | |
| 643 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 34,6 | |
| 644 | 350 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | | 232 | 141 | 82 | 220 | 135 | 70 | | 37,3 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 200 | | | | | | | | | | | | 200 | 350 | 350 | 200 | 350 | 350 | | 48,3 | |
| 645 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | |
| 646 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | 50,5 | |
| 647 | 350 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | | 208 | 179 | 108 | 192 | 171 | 92 | | 54,0 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 250 | | | | | | | | | | | | 250 | 350 | 350 | 250 | 350 | 350 | | 61,0 | |
| 648 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | |
| 649 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | | | 74,0 | |
| 650 | 350 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | | 188 | 219 | 138 | 172 | 211 | 122 | | 82,5 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 300 | | | | | | | | | | | | 300 | 350 | 350 | 300 | 350 | 350 | | 90,5 | |
| 651 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | | | | |
| 652 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | | | 86,0 | |
| 653 | 350 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | | 188 | 269 | 188 | 172 | 261 | 172 | | 95,5 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 350 | | | | | | | | | | | | 350 | 350 | 350 | 350 | 350 | 350 | | 105,0 | |
| 654 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | | | | |
| 655 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | 39,4 | |
| 656 | 400 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | | 282 | 141 | 82 | 270 | 135 | 70 | | 42,5 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 200 | | | | | | | | | | | | 200 | 400 | 400 | 200 | 400 | 400 | | 55,0 | |
| 657 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | |
| 658 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | 57,5 | |
| 659 | 400 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | | 258 | 179 | 108 | 242 | 171 | 92 | | 61,5 | |
| | X | | | | | | | | | | | | X | X | X | X | X | X | | | |
| | 250 | | | | | | | | | | | | 250 | 400 | 400 | 250 | 400 | 400 | | 69,0 | |
| 660 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | |



Säulengestelle aus Stahl

2 Platten, 2 Säulen, Typ A-C-D



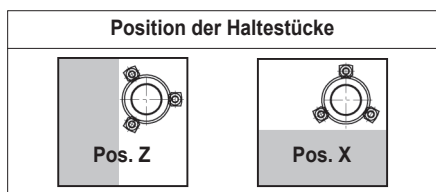
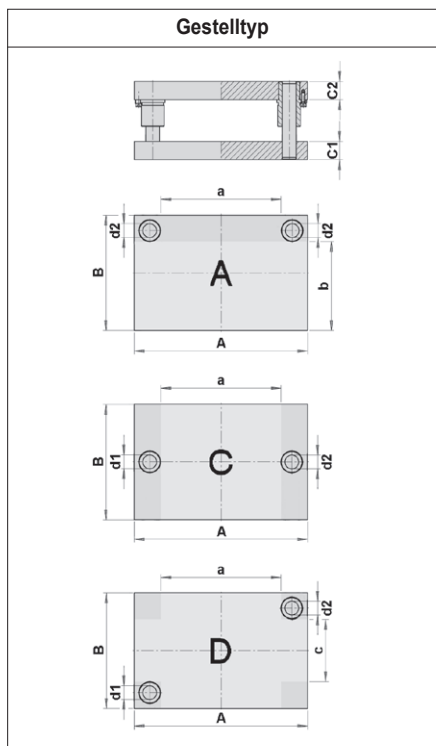
Märkische Stanz-Partner

| Buchsentyp | | |
|--------------|--------|--------|
| Sinterbuchse | | |
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

| Stahlbuchse mit Bronzeplattierung | | |
|-----------------------------------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

| Stahlbuchse mit Ms-Käfig | | |
|--------------------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + 403 |
| P | R | S |



| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | Gewicht [kg] | | |
|-------|-------------|---------------|----|----|------------|-------------|----------------|----|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 46 | | 47 | | | 48 | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | | b X A | c X A |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|----|----|---|-------|-----|-----|-----|--|--|--|-----|-----|-----|-----|-----|-----|-------|
| 661 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 84,0 |
| 662 | 400 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 238 | 219 | 138 | 222 | 211 | 122 | 93,5 |
| | X | 48 | 48 | - | | | | | | | | X | X | X | X | X | X | |
| | 300 | | | | | | | | | | | 300 | 400 | 400 | 300 | 400 | 400 | |
| 663 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | 103,0 |
| 664 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 97,5 |
| 665 | 400 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 238 | 269 | 188 | 222 | 261 | 172 | 109,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | X | X | X | X | |
| | 350 | | | | | | | | | | | 350 | 400 | 400 | 350 | 400 | 400 | |
| 666 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | 120,0 |
| 667 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 111,0 |
| 668 | 400 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 238 | 319 | 238 | 222 | 311 | 222 | 124,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | X | X | X | X | |
| | 400 | | | | | | | | | | | 400 | 400 | 400 | 400 | 400 | 400 | |
| 669 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | 137,0 |
| 670 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | 73,0 |
| 671 | 500 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 358 | 179 | 108 | 342 | 171 | 92 | 78,0 |
| | X | 38 | 38 | - | | | | | | | | X | X | X | X | X | X | |
| | 250 | | | | | | | | | | | 250 | 500 | 500 | 250 | 500 | 500 | |
| 672 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | 87,5 |
| 673 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 105,0 |
| 674 | 500 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 338 | 219 | 138 | 322 | 211 | 122 | 116,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | X | X | X | X | |
| | 300 | | | | | | | | | | | 300 | 500 | 500 | 300 | 500 | 500 | |
| 675 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | 128,0 |
| 676 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 122,0 |
| 677 | 500 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 338 | 269 | 188 | 322 | 261 | 172 | 135,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | X | X | X | X | |
| | 350 | | | | | | | | | | | 350 | 500 | 500 | 350 | 500 | 500 | |
| 678 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | 149,0 |
| 679 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 138,0 |
| 680 | 500 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 338 | 319 | 238 | 322 | 311 | 222 | 154,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | X | X | X | X | |
| | 400 | | | | | | | | | | | 400 | 500 | 500 | 400 | 500 | 500 | |
| 681 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | 170,0 |
| 682 | | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 213,0 |
| 683 | 500 | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 306 | 403 | 306 | 290 | 395 | 290 | 233,0 |
| | X | 58 | 58 | - | | | | | | | | X | X | X | X | X | X | |
| | 500 | | | | | | | | | | | 500 | 500 | 500 | 500 | 500 | 500 | |
| 684 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | 252,0 |
| 685 | | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 155,0 |
| 686 | 600 | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 406 | 203 | 106 | 390 | 195 | 90 | 169,0 |
| | X | 58 | 58 | - | | | | | | | | X | X | X | X | X | X | |
| | 300 | | | | | | | | | | | 300 | 600 | 600 | 300 | 600 | 600 | |
| 687 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | 183,0 |
| 688 | | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 180,0 |
| 689 | 600 | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 406 | 253 | 156 | 390 | 245 | 140 | 196,0 |
| | X | 58 | 58 | - | | | | | | | | X | X | X | X | X | X | |
| | 350 | | | | | | | | | | | 350 | 600 | 600 | 350 | 600 | 600 | |
| 690 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | 213,0 |



Säulengestelle aus Stahl

2 Platten, 2 Säulen, Typ A-C-D



Märkische Stanz-Partner

| Buchsentyp | | |
|--------------|--------|--------|
| Sinterbuchse | | |
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

| Stahlbuchse mit Bronzeplattierung | | |
|-----------------------------------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

| Stahlbuchse mit Ms-Käfig | | |
|--------------------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + 403 |
| P | R | S |

| Gestelltyp | |
|------------|--|
| | |
| | |

| Position der Haltestücke | |
|--------------------------|--------|
| | |
| Pos. Z | Pos. X |

| Größe | Abmessungen | | | | | | | | | Arbeitsflächen | | | | | | | | | Gewicht [kg] |
|-------|-------------|---------------|----|----|------------|-------------|----|----|-------------|----------------|-------------|----|----|----|-------------|-------------|-------------|-------------|--------------|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | a X B | b X A | c X A | 46 | 47 | 48 | 51 | 52 | 53 | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | | | | 41 | 42 | 43 | a X B | b X A | c X A | a X B | |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|----|----|---|-------|-----|-----|-----|--|--|--|-----|-----|-----|-----|-----|-----|-------|
| 691 | | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 205,0 |
| 692 | 600 | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 406 | 303 | 206 | 390 | 295 | 190 | 224,0 |
| | X | 58 | 58 | - | | 230 | 170 | - | | | | X | X | X | X | X | X | |
| | 400 | | | | | | | | | | | 400 | 600 | 600 | 400 | 600 | 600 | |
| 693 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | 242,0 |
| 694 | 600 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 254,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 406 | 403 | 306 | 390 | 395 | 290 | 278,0 |
| | 500 | | | | | | | | | | | 500 | 600 | 600 | 500 | 600 | 600 | 302,0 |
| 696 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |
| 697 | 600 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 305,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 406 | 503 | 406 | 390 | 495 | 390 | 333,0 |
| | 600 | | | | | | | | | | | 600 | 600 | 600 | 600 | 600 | 600 | 361,0 |
| 699 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |
| 700 | 700 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 209,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 506 | 253 | 156 | 490 | 245 | 140 | 228,0 |
| | 350 | | | | | | | | | | | 350 | 700 | 700 | 350 | 700 | 700 | 247,0 |
| 702 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |
| 703 | 700 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 238,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 506 | 303 | 206 | 490 | 295 | 190 | 260,0 |
| | 400 | | | | | | | | | | | 400 | 700 | 700 | 400 | 700 | 700 | 282,0 |
| 705 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |
| 706 | 700 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 296,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 506 | 403 | 306 | 490 | 395 | 290 | 324,0 |
| | 500 | | | | | | | | | | | 500 | 700 | 700 | 500 | 700 | 700 | 351,0 |
| 708 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |
| 709 | 700 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 354,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 506 | 503 | 406 | 490 | 495 | 390 | 388,0 |
| | 600 | | | | | | | | | | | 600 | 700 | 700 | 600 | 700 | 700 | 420,0 |
| 711 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |
| 712 | 800 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 271,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 606 | 303 | 206 | 590 | 295 | 190 | 296,0 |
| | 400 | | | | | | | | | | | 400 | 800 | 800 | 400 | 800 | 800 | 321,0 |
| 714 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |
| 715 | 800 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 338,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 606 | 403 | 306 | 590 | 395 | 290 | 369,0 |
| | 500 | | | | | | | | | | | 500 | 800 | 800 | 500 | 800 | 800 | 400,0 |
| 717 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |
| 718 | 800 | 58 | 48 | - | | 220 | 160 | - | | | | | | | | | | 404,0 |
| | X | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | 606 | 503 | 406 | 590 | 495 | 390 | 442,0 |
| | 600 | | | | | | | | | | | 600 | 800 | 800 | 600 | 800 | 800 | 480,0 |
| 720 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | |

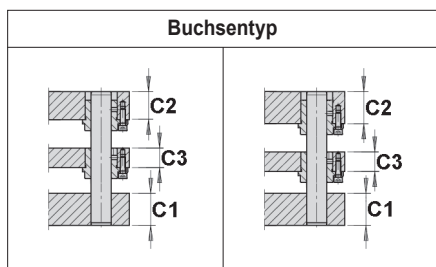


Säulengestelle aus Stahl

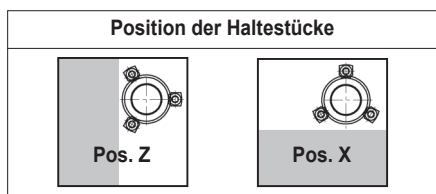
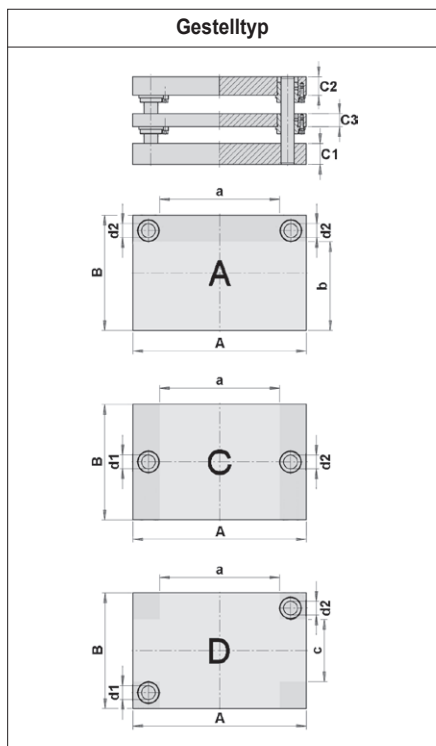
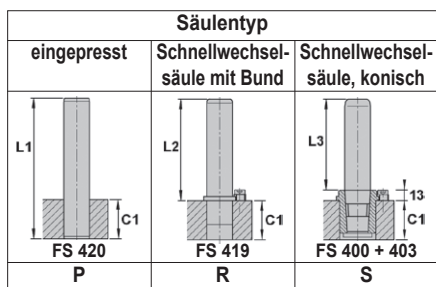
3 Platten, 2 Säulen, Typ A-C-D



Märkische Stanz-Partner



| Sinterbuchse | |
|--|--|
| C2: FS 741 C3: FS 731 | C2: FS 732 C3: FS 731 |
| 88 | 87 |
| Stahlbuchse mit Bronzeplattierung | |
| C2: FS 641 C3: FS 631 | C2: FS 632 C3: FS 631 |
| 71 | 72 |
| Stahlbuchse mit Ms-Käfig | |
| C2: FS 458 + FS 425 C3: FS 457 + FS 425 | C2: FS 453 + FS 425 C3: FS 457 + FS 425 |
| 91 | 92 |



| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | Gewicht [kg] | | | |
|-------|-------------|---------------|----|----|------------|-------------|----------------|-----|-------------|-------------|-------------|-------------|--------------|-------------|-------------|------|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 88 71 72 | | | 91 92 | | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | | b X A | c X A | |
| 601 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 9,4 |
| 602 | 125 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 27 X | 76 X | 27 X | | 70 X | 11,2 |
| | 125 | 38 | 38 | | | | | | | | 125 | 125 | 125 | | 125 | 12,4 |
| 603 | | 38 | 38 | | | 170 | 130 | 120 | | | | | | | | |
| 604 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 11,7 |
| 605 | 160 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 62 X | 76 X | 27 X | 50 X | 70 X | 14,2 |
| | 125 | 38 | 38 | | | | | | | | 125 | 160 | 160 | 125 | 160 | |
| 606 | | 38 | 38 | | | 170 | 130 | 120 | | | | | | | | 15,8 |
| 607 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 14,8 |
| 608 | 160 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 62 X | 111 X | 62 X | 50 X | 105 X | 17,8 |
| | 160 | 38 | 38 | | | | | | | | 160 | 160 | 160 | 160 | 160 | |
| 609 | | 38 | 38 | | | 170 | 130 | 120 | | | | | | | | 19,8 |
| 610 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 14,4 |
| 611 | 200 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 102 X | 76 X | 27 X | 90 X | 70 X | 17,4 |
| | 125 | 38 | 38 | | | | | | | | 125 | 200 | 200 | 125 | 200 | |
| 612 | | 38 | 38 | | | 170 | 130 | 120 | | | | | | | | 19,4 |
| 613 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | 22,3 |
| 614 | 200 X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | 82 X | 101 X | 42 X | 70 X | 95 X | 28,4 |
| | 160 | 48 | 48 | | | | | | | | 160 | 200 | 200 | 160 | 200 | |
| 615 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | 30,9 |
| 616 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | 27,5 |
| 617 | 200 X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | 82 X | 141 X | 82 X | 70 X | 135 X | 35,2 |
| | 200 | 48 | 48 | | | | | | | | 200 | 200 | 200 | 200 | 200 | |
| 618 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | 38,4 |
| 619 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | 21,8 |
| 620 | 250 X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | 132 X | 66 X | | 120 X | 60 X | 27,8 |
| | 125 | 48 | 48 | | | | | | | | 125 | 250 | | 125 | 250 | |
| 621 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | 30,2 |
| 622 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | 27,5 |
| 623 | 250 X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | 132 X | 101 X | 42 X | 120 X | 95 X | 35,2 |
| | 160 | 48 | 48 | | | | | | | | 160 | 250 | 250 | 160 | 250 | |
| 624 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | 38,4 |
| 625 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | 34,2 |
| 626 | 250 X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | 132 X | 141 X | 82 X | 120 X | 135 X | 43,8 |
| | 200 | 48 | 48 | | | | | | | | 200 | 250 | 250 | 200 | 250 | |
| 627 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | 47,7 |
| 628 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | 50,5 |
| 629 | 250 X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | 108 X | 179 X | 108 X | 92 X | 171 X | 57,5 |
| | 250 | 48 | 48 | | | | | | | | 250 | 250 | 250 | 250 | 250 | |
| 630 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | 62,5 |

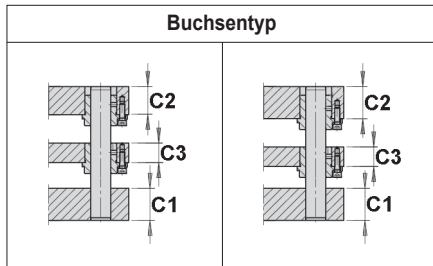


Säulengestelle aus Stahl

3 Platten, 2 Säulen, Typ A-C-D

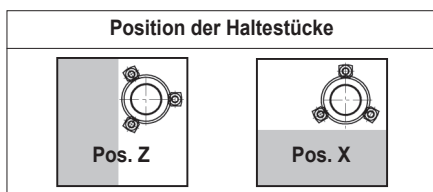
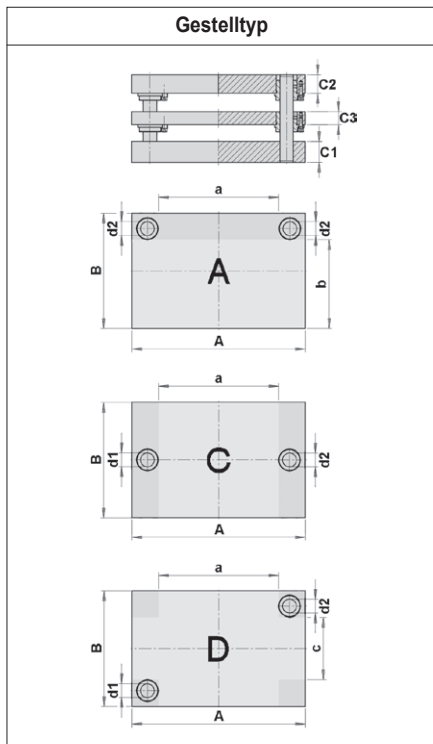


Märkische Stanz-Partner



| Sinterbuchse | |
|--|--|
| C2: FS 741 C3: FS 731 | C2: FS 732 C3: FS 731 |
| 88 | 87 |
| Stahlbuchse mit Bronzeplattierung | |
| C2: FS 641 C3: FS 631 | C2: FS 632 C3: FS 631 |
| 71 | 72 |
| Stahlbuchse mit Ms-Käfig | |
| C2: FS 458 + FS 425 C3: FS 457 + FS 425 | C2: FS 453 + FS 425 C3: FS 457 + FS 425 |
| 91 | 92 |

| Säulentyp | | |
|-------------|-----------------------------------|-----------------------------------|
| eingepresst | Schnellwechsel- säule mit Bund | Schnellwechsel- säule, konisch |
| | | |
| FS 420 P | FS 419 R | FS 400 + 403 S |



| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | | | | Gewicht [kg] | | | | | | | |
|-------|-------------|--------------------|----|----|------------|------------------|----------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|--|--|--|------|-------|
| | A X B | Platten- stärke | | | Ø d1/d2 | Säulen- länge | | | 88 71 | | | 87 72 | | | 91 | | | 92 | | | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | c X A | a X B | | b X A | c X A | | | | | |
| 631 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | | | | | | | 32,8 | |
| | 300 | | | | | | | | | | | | | | | | | | | | | | |
| 632 | X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | | | 182 | 101 | 42 | 170 | 95 | | | | | | 42,1 |
| | 160 | | | | | | | | | | | | 160 | 300 | 300 | 160 | 300 | | | | | | |
| 633 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | | | | | | 45,9 |
| 634 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | | | | | | | | 40,7 |
| | 300 | | | | | | | | | | | | | | | | | | | | | | |
| 635 | X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | | | 182 | 141 | 82 | 170 | 135 | 76 | | | | | 52,5 |
| | 200 | | | | | | | | | | | | 200 | 300 | 300 | 200 | 300 | 300 | | | | | |
| 636 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | | | | | | 57,5 |
| 637 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | | | | | | 60,0 |
| | 300 | | | | | | | | | | | | | | | | | | | | | | |
| 638 | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | | 158 | 179 | 108 | 142 | 171 | 92 | | | | | 69,0 |
| | 250 | | | | | | | | | | | | 250 | 300 | 300 | 250 | 300 | 300 | | | | | |
| 639 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | | | | | | 74,5 |
| 640 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | | | | | | 71,5 |
| | 300 | | | | | | | | | | | | | | | | | | | | | | |
| 641 | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | | 158 | 229 | 158 | 142 | 221 | 142 | | | | | 82,5 |
| | 300 | | | | | | | | | | | | 300 | 300 | 300 | 300 | 300 | 300 | | | | | |
| 642 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | | | | | | 89,5 |
| 643 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | | | | | | | | 47,3 |
| | 350 | | | | | | | | | | | | | | | | | | | | | | |
| 644 | X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | | | 232 | 141 | 82 | 220 | 135 | 70 | | | | | 60,5 |
| | 200 | | | | | | | | | | | | 200 | 350 | 350 | 200 | 350 | 350 | | | | | |
| 645 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | | | | | | 66,5 |
| 646 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | | | | | | 69,5 |
| | 350 | | | | | | | | | | | | | | | | | | | | | | |
| 647 | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | | 208 | 179 | 108 | 192 | 171 | 92 | | | | | 80,0 |
| | 250 | | | | | | | | | | | | 250 | 350 | 350 | 250 | 350 | 350 | | | | | |
| 648 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | | | | | | 87,0 |
| 649 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | | | | | | | 101,0 |
| | 350 | | | | | | | | | | | | | | | | | | | | | | |
| 650 | X | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | | | 188 | 219 | 138 | 172 | 211 | 122 | | | | | 118,0 |
| | 300 | | | | | | | | | | | | 300 | 350 | 350 | 300 | 350 | 350 | | | | | |
| 651 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | | | | | | | 126,0 |
| 652 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | | | | | | | 118,0 |
| | 350 | | | | | | | | | | | | | | | | | | | | | | |
| 653 | X | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | | | 188 | 269 | 188 | 172 | 261 | 172 | | | | | 137,0 |
| | 350 | | | | | | | | | | | | 350 | 350 | 350 | 350 | 350 | 350 | | | | | |
| 654 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | | | | | | | 147,0 |
| 655 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | | | | | | | | 54,0 |
| | 400 | | | | | | | | | | | | | | | | | | | | | | |
| 656 | X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | | | 282 | 141 | 82 | 270 | 135 | 70 | | | | | 69,5 |
| | 200 | | | | | | | | | | | | 200 | 400 | 400 | 200 | 400 | 400 | | | | | |
| 657 | | 48 | 48 | | | 200 | 150 | 130 | | | | | | | | | | | | | | | 75,0 |
| 658 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | | | | | | 79,5 |
| | 400 | | | | | | | | | | | | | | | | | | | | | | |
| 659 | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | | 258 | 179 | 108 | 242 | 171 | 92 | | | | | 91,0 |
| | 250 | | | | | | | | | | | | 250 | 400 | 400 | 250 | 400 | 400 | | | | | |
| 660 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | | | | | | 99,0 |

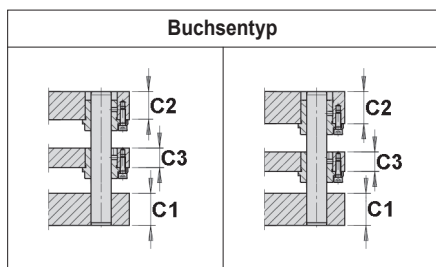


Säulengestelle aus Stahl

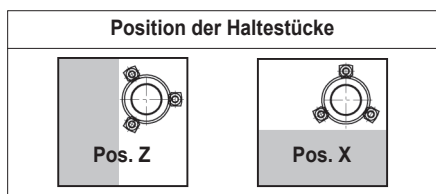
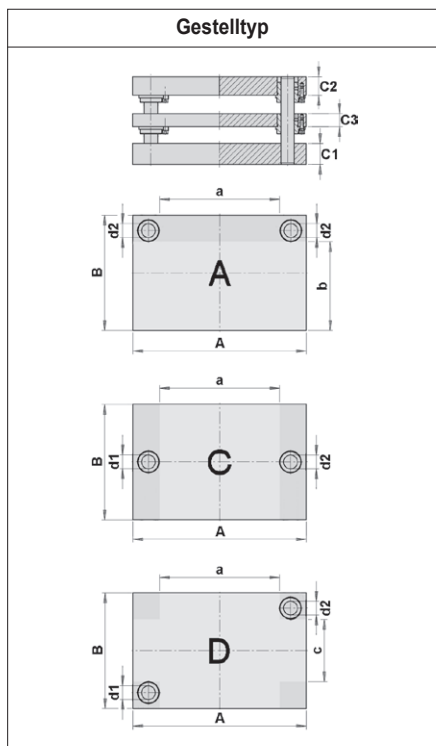
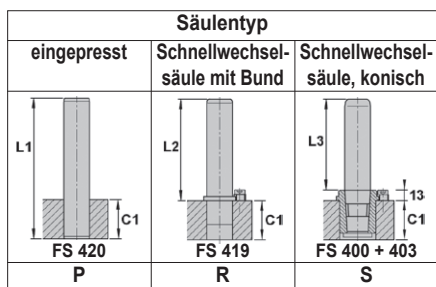
3 Platten, 2 Säulen, Typ A-C-D



Märkische Stanz-Partner



| Sinterbuchse | |
|--|--|
| C2: FS 741 C3: FS 731 88 | C2: FS 732 C3: FS 731 87 |
| Stahlbuchse mit Bronzeplattierung | |
| C2: FS 641 C3: FS 631 71 | C2: FS 632 C3: FS 631 72 |
| Stahlbuchse mit Ms-Käfig | |
| C2: FS 458 + FS 425 C3: FS 457 + FS 425 91 | C2: FS 453 + FS 425 C3: FS 457 + FS 425 92 |



| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | Gewicht [kg] | | | | |
|-------|-----------------|---------------|----|----|------------|-------------|----------------|-----|-------------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 88 71 87 72 | | | 91 92 | | | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | | b X A | c X A | | |
| 661 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | 115,0 | |
| 662 | 400 X 300 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 238 X 300 | 219 X 400 | 138 X 400 | 222 X 300 | 211 X 400 | 122 X 400 | 134,0 |
| 663 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | 144,0 | |
| 664 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | 134,0 | |
| 665 | 400 X 350 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 238 X 350 | 269 X 400 | 188 X 400 | 222 X 350 | 261 X 400 | 172 X 400 | 156,0 |
| 666 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | 167,0 | |
| 667 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | 153,0 | |
| 668 | 400 X 400 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 238 X 400 | 319 X 400 | 238 X 400 | 222 X 400 | 311 X 400 | 222 X 400 | 178,0 |
| 669 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | 190,0 | |
| 670 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | 99,0 | |
| 671 | 500 X 250 | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | 358 X 250 | 179 X 500 | 108 X 500 | 342 X 250 | 171 X 500 | 92 X 500 | 114,0 |
| 672 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | 124,0 | |
| 673 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | 143,0 | |
| 674 | 500 X 300 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 338 X 300 | 219 X 500 | 138 X 500 | 322 X 300 | 211 X 500 | 122 X 500 | 167,0 |
| 675 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | 179,0 | |
| 676 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | 167,0 | |
| 677 | 500 X 350 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 338 X 350 | 269 X 500 | 188 X 500 | 322 X 350 | 261 X 500 | 172 X 500 | 194,0 |
| 678 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | 208,0 | |
| 679 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | 190,0 | |
| 680 | 500 X 400 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 338 X 400 | 319 X 500 | 238 X 500 | 322 X 400 | 311 X 500 | 222 X 500 | 222,0 |
| 681 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | 237,0 | |
| 682 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | 287,0 | |
| 683 | 500 X 500 | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 306 X 500 | 403 X 500 | 306 X 500 | 290 X 500 | 395 X 500 | 290 X 500 | 327,0 |
| 684 | | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | 346,0 | |
| 685 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | 208,0 | |
| 686 | 600 X 300 | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 406 X 300 | 203 X 600 | 106 X 600 | 390 X 300 | 195 X 600 | 90 X 600 | 237,0 |
| 687 | | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | 251,0 | |
| 688 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | 242,0 | |
| 689 | 600 X 350 | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 406 X 350 | 253 X 600 | 156 X 600 | 390 X 350 | 245 X 600 | 140 X 600 | 275,0 |
| 690 | | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | 292,0 | |

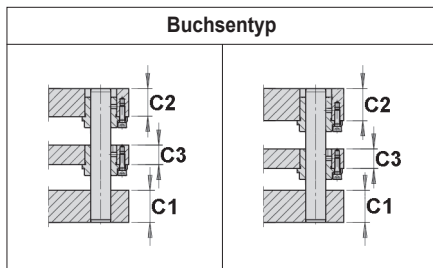


Säulengestelle aus Stahl

3 Platten, 2 Säulen, Typ A-C-D

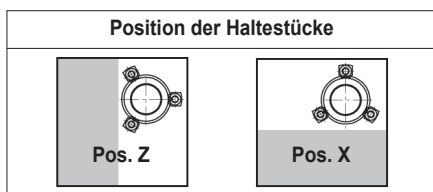
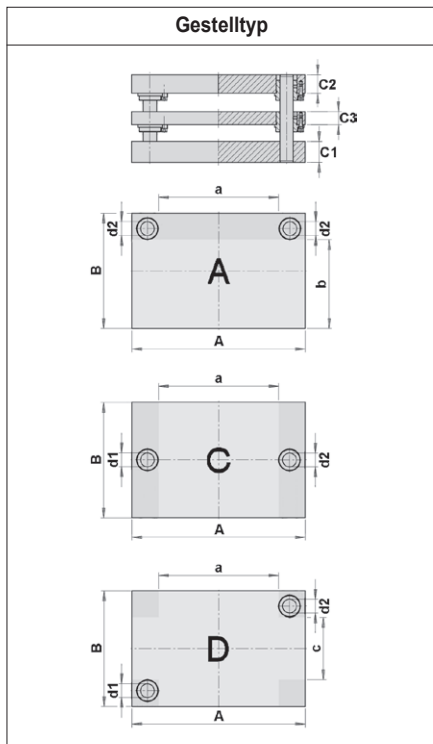


Märkische Stanz-Partner



| Sinterbuchse | |
|--|--|
| C2: FS 741 C3: FS 731 | C2: FS 732 C3: FS 731 |
| 88 | 87 |
| Stahlbuchse mit Bronzeplattierung | |
| C2: FS 641 C3: FS 631 | C2: FS 632 C3: FS 631 |
| 71 | 72 |
| Stahlbuchse mit Ms-Käfig | |
| C2: FS 458 + FS 425 C3: FS 457 + FS 425 | C2: FS 453 + FS 425 C3: FS 457 + FS 425 |
| 91 | 92 |

| Säulentyp | | |
|-------------|-----------------------------------|-----------------------------------|
| eingepresst | Schnellwechsel- säule mit Bund | Schnellwechsel- säule, konisch |
| | | |
| FS 420 P | FS 419 R | FS 400 + 403 S |



| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | | | | Gewicht [kg] | | | | |
|-------|-------------|--------------------|----|----|------------|------------------|----------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-----|-------------|-------|
| | A X B | Platten- stärke | | | Ø d1/d2 | Säulen- länge | | | 88 71 | | | 87 72 | | | 91 | | | 92 | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | c X A | a X B | | b X A | | c X A | |
| 691 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 276,0 |
| 692 | 600 | | | | | | | | | | | | | 406 | 303 | 206 | 390 | 295 | 190 | 314,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 693 | 400 | | | | | | | | | | | | | 400 | 600 | 600 | 400 | 600 | 600 | 333,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 694 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 344,0 |
| 695 | 600 | | | | | | | | | | | | | 406 | 403 | 306 | 390 | 395 | 290 | 391,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 696 | 500 | | | | | | | | | | | | | 500 | 600 | 600 | 500 | 600 | 600 | 415,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 697 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 412,0 |
| 698 | 600 | | | | | | | | | | | | | 406 | 503 | 406 | 390 | 495 | 390 | 468,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 699 | 600 | | | | | | | | | | | | | 600 | 600 | 600 | 600 | 600 | 600 | 497,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 700 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 282,0 |
| 701 | 700 | | | | | | | | | | | | | 506 | 253 | 156 | 490 | 245 | 140 | 320,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 702 | 350 | | | | | | | | | | | | | 350 | 700 | 700 | 350 | 700 | 700 | 340,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 703 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 321,0 |
| 704 | 700 | | | | | | | | | | | | | 506 | 303 | 206 | 490 | 295 | 190 | 365,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 705 | 400 | | | | | | | | | | | | | 400 | 700 | 700 | 400 | 700 | 700 | 387,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 706 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 400,0 |
| 707 | 700 | | | | | | | | | | | | | 506 | 403 | 306 | 490 | 395 | 290 | 455,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 708 | 500 | | | | | | | | | | | | | 500 | 700 | 700 | 500 | 700 | 700 | 483,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 709 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 480,0 |
| 710 | 700 | | | | | | | | | | | | | 506 | 503 | 406 | 490 | 495 | 390 | 545,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 711 | 600 | | | | | | | | | | | | | 600 | 700 | 700 | 600 | 700 | 700 | 579,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 712 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 366,0 |
| 713 | 800 | | | | | | | | | | | | | 606 | 303 | 206 | 590 | 295 | 190 | 417,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 714 | 400 | | | | | | | | | | | | | 400 | 800 | 800 | 400 | 800 | 800 | 442,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 715 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 457,0 |
| 716 | 800 | | | | | | | | | | | | | 606 | 403 | 306 | 590 | 395 | 290 | 520,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 717 | 500 | | | | | | | | | | | | | 500 | 800 | 800 | 500 | 800 | 800 | 551,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |
| 718 | | 58 | 48 | | | 230 | 180 | - | | | | | | | | | | | | 547,0 |
| 719 | 800 | | | | | | | | | | | | | 606 | 503 | 406 | 590 | 495 | 390 | 623,0 |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | | | X | X | X | X | X | X | X | |
| 720 | 600 | | | | | | | | | | | | | 600 | 800 | 800 | 600 | 800 | 800 | 661,0 |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | | | | |



Säulengestelle aus Stahl

2 Platten, 4 Säulen, Typ Q



Märkische Stanz-Partner

| Buchsentyp | | |
|--------------|--------|--------|
| Sinterbuchse | | |
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

| Stahlbuchse mit Bronzeplattierung | | |
|-----------------------------------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

| Stahlbuchse mit Ms-Käfig | | |
|--------------------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + 403 |
| P | R | S |

| Gestelltyp | |
|------------|--|
| | |

| Position der Haltestücke | |
|--------------------------|--------|
| | |
| Pos. Z | Pos. X |

| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | Gewicht [kg] | | | | | |
|-------|-------------|---------------|----|----|------------|-------------|----------------|----|-------------|-------------|-------------|-------------|--------------|-------------|-------------|----|----|----|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 46 | | 47 | | | 48 | | 51 | 52 | 53 |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | | b X A | c X A | | | |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|----|----|---|-------|-----|-----|-----|--|--|--|-----|-----|--|-----|-----|--|------|
| 601 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | 7,8 |
| 602 | 125 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 27 | 27 | | | | | 8,4 |
| | X | 28 | 28 | - | | | | | | | | X | X | | | | | |
| | 125 | | | | | | | | | | | 125 | 125 | | | | | 9,7 |
| 603 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | |
| 604 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | 9,5 |
| 605 | 160 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 62 | 27 | | 50 | | | 10,4 |
| | X | 28 | 28 | - | | | | | | | | X | X | | X | | | |
| | 125 | | | | | | | | | | | 125 | 160 | | 125 | | | 11,9 |
| 606 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | |
| 607 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | 11,9 |
| 608 | 160 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 62 | 62 | | 50 | 50 | | 12,8 |
| | X | 28 | 28 | - | | | | | | | | X | X | | X | X | | |
| | 160 | | | | | | | | | | | 160 | 160 | | 160 | 160 | | 14,8 |
| 609 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | |
| 610 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | 11,5 |
| 611 | 200 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 102 | 27 | | 90 | | | 12,5 |
| | X | 28 | 28 | - | | | | | | | | X | X | | X | | | |
| | 125 | | | | | | | | | | | 125 | 200 | | 125 | | | 14,5 |
| 612 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | |
| 613 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | 14,3 |
| 614 | 200 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 102 | 62 | | 90 | 50 | | 15,6 |
| | X | 28 | 28 | - | | | | | | | | X | X | | X | X | | |
| | 160 | | | | | | | | | | | 160 | 200 | | 160 | 200 | | 18,1 |
| 615 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | |
| 616 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | 17,5 |
| 617 | 200 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 102 | 102 | | 90 | 90 | | 19,1 |
| | X | 28 | 28 | - | | | | | | | | X | X | | X | X | | |
| | 200 | | | | | | | | | | | 200 | 200 | | 200 | 200 | | 22,3 |
| 618 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | |
| 619 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | 14,0 |
| 620 | 250 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 152 | 27 | | 140 | | | 15,3 |
| | X | 28 | 28 | - | | | | | | | | X | X | | X | | | |
| | 125 | | | | | | | | | | | 125 | 250 | | 125 | | | 17,7 |
| 621 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | |
| 622 | | 28 | 23 | - | | 130 | 100 | - | | | | | | | | | | 17,5 |
| 623 | 250 | 28 | 28 | - | 18/19 | 140 | 110 | - | | | | 152 | 60 | | 140 | 50 | | 19,1 |
| | X | 28 | 28 | - | | | | | | | | X | X | | X | X | | |
| | 160 | | | | | | | | | | | 160 | 250 | | 160 | 250 | | 22,3 |
| 624 | | 38 | 28 | - | | 150 | 110 | 100 | | | | | | | | | | |
| 625 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | 26,0 |
| 626 | 250 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 132 | 82 | | 120 | 70 | | 27,9 |
| | X | 33 | 33 | - | | | | | | | | X | X | | X | X | | |
| | 200 | | | | | | | | | | | 200 | 250 | | 200 | 250 | | 35,8 |
| 627 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | |
| 628 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | 32,0 |
| 629 | 250 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 132 | 132 | | 120 | 120 | | 34,4 |
| | X | 33 | 33 | - | | | | | | | | X | X | | X | X | | |
| | 250 | | | | | | | | | | | 250 | 250 | | 250 | 250 | | 44,2 |
| 630 | | 48 | 38 | - | | 170 | 130 | 120 | | | | | | | | | | |



Säulengestelle aus Stahl

2 Platten, 4 Säulen, Typ Q



Märkische Stanz-Partner

| Buchsentyp | | |
|--------------|--------|--------|
| Sinterbuchse | | |
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

| Stahlbuchse mit Bronzeplattierung | | |
|-----------------------------------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

| Stahlbuchse mit Ms-Käfig | | |
|--------------------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + 403 |
| P | R | S |

| Gestelltyp | |
|------------|--|
| | |

| Position der Haltestücke | |
|--------------------------|--------|
| | |
| Pos. Z | Pos. X |

| Größe | A X B | Abmessungen | | | | | | Arbeitsflächen | | | | | | | | | Gewicht [kg] | | | | | | |
|-------|-------------|---------------|----|----|------------|-------------|-----|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|----|--|--|--|------|
| | | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 46 | | | 47 | | | 48 | | | | | | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | c X A | a X B | b X A | | c X A | | | | | |
| 631 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | | | | 25,0 |
| 632 | 300 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 182 | 42 | | | | | 170 | 30 | | | | 26,9 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 160 | | | | | | | | | | | 160 | 300 | | | | 160 | 300 | | | | | |
| 633 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 34,4 |
| 634 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | | | | 30,8 |
| 635 | 300 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 182 | 82 | | | | 170 | 70 | | | | | 33,1 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 200 | | | | | | | | | | | 200 | 300 | | | | 200 | 300 | | | | | |
| 636 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 42,5 |
| 637 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | | | | 44,8 |
| 638 | 300 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 158 | 108 | | | | 142 | 92 | | | | | 47,8 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 250 | | | | | | | | | | | 250 | 300 | | | | 250 | 300 | | | | | |
| 639 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 54,0 |
| 640 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | | | | 53,5 |
| 641 | 300 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 158 | 158 | | | | 142 | 142 | | | | | 57,0 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 300 | | | | | | | | | | | 300 | 300 | | | | 300 | 300 | | | | | |
| 642 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 64,0 |
| 643 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | | | | 35,6 |
| 644 | 350 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 232 | 82 | | | | 220 | 70 | | | | | 38,3 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 200 | | | | | | | | | | | 200 | 350 | | | | 200 | 350 | | | | | |
| 645 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 49,3 |
| 646 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | | | | 52,5 |
| 647 | 350 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 208 | 108 | | | | 192 | 92 | | | | | 55,5 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 250 | | | | | | | | | | | 250 | 350 | | | | 250 | 350 | | | | | |
| 648 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 62,0 |
| 649 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | | | | 61,5 |
| 650 | 350 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 208 | 158 | | | | 192 | 142 | | | | | 66,0 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 300 | | | | | | | | | | | 300 | 350 | | | | 300 | 350 | | | | | |
| 651 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 74,0 |
| 652 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | | | | 71,5 |
| 653 | 350 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 208 | 208 | | | | 192 | 192 | | | | | 76,5 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 350 | | | | | | | | | | | 350 | 350 | | | | 350 | 350 | | | | | |
| 654 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 86,0 |
| 655 | | 33 | 28 | - | | 150 | 110 | - | | | | | | | | | | | | | | | 40,4 |
| 656 | 400 | 33 | 33 | - | 24/25 | 160 | 120 | - | | | | 282 | 82 | | | | 270 | 70 | | | | | 43,5 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 200 | | | | | | | | | | | 200 | 400 | | | | 200 | 400 | | | | | |
| 657 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 56,0 |
| 658 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | | | | | | 59,0 |
| 659 | 400 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 258 | 108 | | | | 242 | 92 | | | | | 63,0 |
| | X | | | | | | | | | | | X | X | | | | X | X | | | | | |
| | 250 | | | | | | | | | | | 250 | 400 | | | | 250 | 400 | | | | | |
| 660 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | | | | | | 70,5 |



Säulengestelle aus Stahl

2 Platten, 4 Säulen, Typ Q



Märkische Stanz-Partner

| Buchsentyp | | |
|--------------|--------|--------|
| Sinterbuchse | | |
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

| Stahlbuchse mit Bronzeplattierung | | |
|-----------------------------------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

| Stahlbuchse mit Ms-Käfig | | |
|--------------------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + 403 |
| P | R | S |

| Gestelltyp | |
|------------|--|
| | |

| Position der Haltestücke | |
|--------------------------|--------|
| | |
| Pos. Z | Pos. X |

| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | Gewicht [kg] | | | | | |
|-------|-------------|---------------|----|----|------------|-------------|----------------|----|-------------|-------------|-------------|-------------|--------------|-------------|-------------|----|----|----|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 46 | | 47 | | | 48 | | 51 | 52 | 53 |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | | b X A | c X A | | | |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|----|----|---|-------|-----|-----|-----|--|--|--|-----|-----|--|-----|-----|--|-------|
| 661 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 87,0 |
| 662 | 400 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 238 | 138 | | 222 | 122 | | 96,5 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 300 | | | | | | | | | | | 300 | 400 | | 300 | 400 | | 106,0 |
| 663 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |
| 664 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 101,0 |
| 665 | 400 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 238 | 188 | | 222 | 172 | | 112,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 350 | | | | | | | | | | | 350 | 400 | | 350 | 400 | | 123,0 |
| 666 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |
| 667 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 114,0 |
| 668 | 400 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 238 | 238 | | 222 | 222 | | 127,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 400 | | | | | | | | | | | 400 | 400 | | 400 | 400 | | 140,0 |
| 669 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |
| 670 | | 38 | 33 | - | | 160 | 120 | - | | | | | | | | | | 73,0 |
| 671 | 500 | 38 | 38 | - | 30/32 | 170 | 130 | - | | | | 358 | 108 | | 342 | 92 | | 78,0 |
| | X | 38 | 38 | - | | | | | | | | X | X | | X | X | | |
| | 250 | | | | | | | | | | | 250 | 500 | | 250 | 500 | | 87,5 |
| 672 | | 48 | 38 | - | | 180 | 130 | 120 | | | | | | | | | | |
| 673 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 108,0 |
| 674 | 500 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 338 | 138 | | 322 | 122 | | 119,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 300 | | | | | | | | | | | 300 | 500 | | 300 | 500 | | 131,0 |
| 675 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |
| 676 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 125,0 |
| 677 | 500 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 338 | 188 | | 322 | 172 | | 138,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 350 | | | | | | | | | | | 350 | 500 | | 350 | 500 | | 152,0 |
| 678 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |
| 679 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 141,0 |
| 680 | 500 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 338 | 238 | | 322 | 222 | | 157,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 400 | | | | | | | | | | | 400 | 500 | | 400 | 500 | | 173,0 |
| 681 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |
| 682 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 175,0 |
| 683 | 500 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 338 | 338 | | 322 | 322 | | 195,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 500 | | | | | | | | | | | 500 | 500 | | 500 | 500 | | 214,0 |
| 684 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |
| 685 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 128,0 |
| 686 | 600 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 438 | 138 | | 422 | 122 | | 142,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 300 | | | | | | | | | | | 300 | 600 | | 300 | 600 | | 156,0 |
| 687 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |
| 688 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | 148,0 |
| 689 | 600 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | 438 | 188 | | 422 | 172 | | 165,0 |
| | X | 48 | 48 | - | | | | | | | | X | X | | X | X | | |
| | 350 | | | | | | | | | | | 350 | 600 | | 350 | 600 | | 181,0 |
| 690 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | |



Säulengestelle aus Stahl

2 Platten, 4 Säulen, Typ Q



Märkische Stanz-Partner

| Buchsentyp | | |
|--------------|--------|--------|
| Sinterbuchse | | |
| | | |
| FS 741 | FS 751 | FS 755 |
| 46 | 47 | 48 |

| Stahlbuchse mit Bronzeplattierung | | |
|-----------------------------------|--------|--------|
| | | |
| FS 641 | FS 651 | FS 655 |
| 41 | 42 | 43 |

| Stahlbuchse mit Ms-Käfig | | |
|--------------------------|-----------------|-----------------|
| | | |
| FS 453 + FS 425 | FS 457 + FS 425 | FS 458 + FS 425 |
| 51 | 52 | 53 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 | FS 419 | FS 400 + 403 |
| P | R | S |

| Gestelltyp | |
|------------|--|
| | |

| Position der Haltestücke | |
|--------------------------|--------|
| | |
| Pos. Z | Pos. X |

| Größe | Abmessungen | | | | | | | | | Arbeitsflächen | | | | | | | | | Gewicht [kg] | | | | | | | | |
|-------|-------------|---------------|----|----|------------|-------------|----|----|-------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--|--|--|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 46 | | | 47 | | | 48 | | | 51 | | | 52 | | | 53 | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | c X A | a X B | b X A | c X A | a X B | | b X A | c X A | a X B | b X A | c X A | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----------------|----|----|---|-------|-----|-----|-----|--|--|--|--|--|-----------------|-----------------|--|--|--|--|-----------------|-----------------|--|--|--|-------|
| 691 | | 48 | 38 | - | | 190 | 140 | - | | | | | | | | | | | | | | | | | 168,0 |
| 692 | 600 X 400 | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | | | 438 X 400 | 238 X 600 | | | | | 422 X 400 | 222 X 600 | | | | 187,0 |
| 693 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | | | | | | | | 206,0 |
| 694 | 600 X 500 | 58 | 48 | - | | 220 | 160 | - | | | | | | 406 X 500 | 306 X 600 | | | | | 390 X 500 | 290 X 600 | | | | 259,0 |
| 695 | | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | | | | | | | | | | | | | | 283,0 |
| 696 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | | | | | | | | 306,0 |
| 697 | 600 X 600 | 58 | 48 | - | | 220 | 160 | - | | | | | | 406 X 600 | 406 X 600 | | | | | 390 X 600 | 390 X 600 | | | | 309,0 |
| 698 | | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | | | | | | | | | | | | | | 337,0 |
| 699 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | | | | | | | | 365,0 |
| 700 | 700 X 350 | 48 | 38 | - | | 190 | 140 | - | | | | | | 538 X 350 | 188 X 700 | | | | | 522 X 350 | 172 X 700 | | | | 172,0 |
| 701 | | 48 | 48 | - | 40/42 | 200 | 150 | - | | | | | | | | | | | | | | | | | 191,0 |
| 702 | | 58 | 48 | - | | 210 | 150 | 140 | | | | | | | | | | | | | | | | | 210,0 |
| 703 | 700 X 400 | 58 | 48 | - | | 220 | 160 | - | | | | | | 506 X 400 | 206 X 700 | | | | | 490 X 400 | 190 X 700 | | | | 242,0 |
| 704 | | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | | | | | | | | | | | | | | 264,0 |
| 705 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | | | | | | | | 286,0 |
| 706 | 700 X 500 | 58 | 48 | - | | 220 | 160 | - | | | | | | 506 X 500 | 306 X 700 | | | | | 490 X 500 | 290 X 700 | | | | 300,0 |
| 707 | | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | | | | | | | | | | | | | | 328,0 |
| 708 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | | | | | | | | 356,0 |
| 709 | 700 X 600 | 58 | 48 | - | | 220 | 160 | - | | | | | | 506 X 600 | 406 X 700 | | | | | 490 X 600 | 390 X 700 | | | | 359,0 |
| 710 | | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | | | | | | | | | | | | | | 392,0 |
| 711 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | | | | | | | | 425,0 |
| 712 | 800 X 400 | 58 | 48 | - | | 220 | 160 | - | | | | | | 606 X 400 | 206 X 800 | | | | | 590 X 400 | 190 X 800 | | | | 276,0 |
| 713 | | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | | | | | | | | | | | | | | 301,0 |
| 714 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | | | | | | | | 326,0 |
| 715 | 800 X 500 | 58 | 48 | - | | 220 | 160 | - | | | | | | 606 X 500 | 306 X 800 | | | | | 590 X 500 | 290 X 800 | | | | 342,0 |
| 716 | | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | | | | | | | | | | | | | | 374,0 |
| 717 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | | | | | | | | 405,0 |
| 718 | 800 X 600 | 58 | 48 | - | | 220 | 160 | - | | | | | | 606 X 600 | 406 X 800 | | | | | 590 X 600 | 390 X 800 | | | | 409,0 |
| 719 | | 58 | 58 | - | 50/52 | 230 | 170 | - | | | | | | | | | | | | | | | | | 447,0 |
| 720 | | 68 | 58 | - | | 240 | 170 | 160 | | | | | | | | | | | | | | | | | 484,0 |

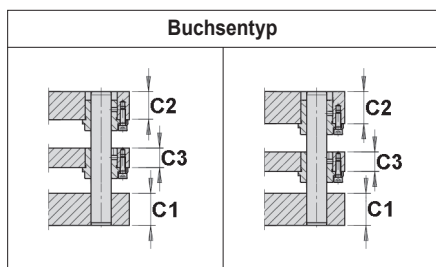


Säulengestelle aus Stahl

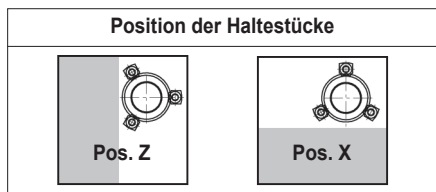
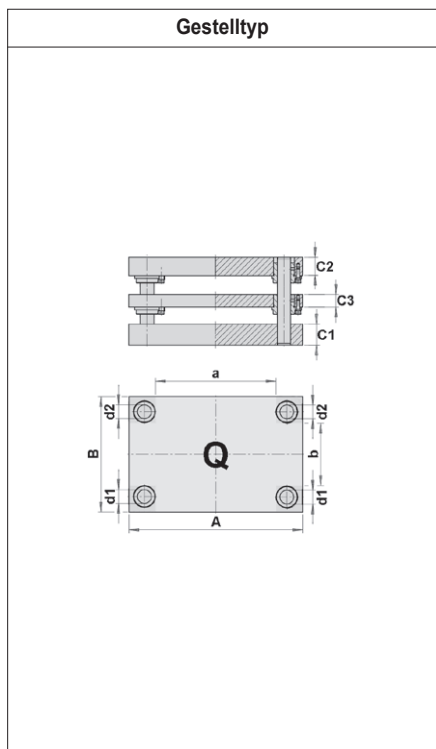
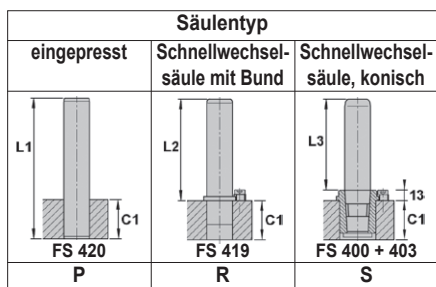
3 Platten, 4 Säulen, Typ Q



Märkische Stanz-Partner



| Sinterbuchse | |
|--|--|
| C2: FS 741 C3: FS 731 88 | C2: FS 732 C3: FS 731 87 |
| Stahlbuchse mit Bronzeplattierung | |
| C2: FS 641 C3: FS 631 71 | C2: FS 632 C3: FS 631 72 |
| Stahlbuchse mit Ms-Käfig | |
| C2: FS 458 + FS 425 C3: FS 457 + FS 425 91 | C2: FS 453 + FS 425 C3: FS 457 + FS 425 92 |



| Größe | Abmessungen | | | | | | | Arbeitsflächen | | | | | | Gewicht [kg] | | |
|-------|-------------|---------------|----|----|------------|-------------|-----|----------------|-------------------|-------------|-------------|-------------|-------------|--------------|-------------|------|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 88 71 87 72 | | | 91 92 | | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | | c X A | |
| 601 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 10,0 |
| 602 | 125 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 27 X | 27 X | | | | 11,8 |
| 603 | 125 | 38 | 38 | | | 170 | 130 | 120 | | | 125 | 125 | | | | 13,1 |
| 604 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 12,4 |
| 605 | 160 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 62 X | 27 X | | | | 14,2 |
| 606 | 125 | 38 | 38 | | | 170 | 130 | 120 | | | 125 | 160 | | | | 16,3 |
| 607 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 15,4 |
| 608 | 160 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 62 X | 62 X | | 50 X | 50 X | 18,4 |
| 609 | 160 | 38 | 38 | | | 170 | 130 | 120 | | | 160 | 160 | | 160 | 160 | 20,4 |
| 610 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 15,1 |
| 611 | 200 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 102 X | 27 X | | 90 X | | 18,0 |
| 612 | 125 | 38 | 38 | | | 170 | 130 | 120 | | | 125 | 200 | | 125 | | 20,0 |
| 613 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 18,9 |
| 614 | 200 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 102 X | 62 X | | 90 X | 50 X | 22,6 |
| 615 | 160 | 38 | 38 | | | 170 | 130 | 120 | | | 160 | 200 | | 160 | 200 | 25,2 |
| 616 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 23,2 |
| 617 | 200 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 102 X | 102 X | | 90 X | 90 X | 27,9 |
| 618 | 200 | 38 | 38 | | | 170 | 130 | 120 | | | 200 | 200 | | 200 | 200 | 31,1 |
| 619 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 18,5 |
| 620 | 250 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 152 X | 27 X | | 140 X | | 22,1 |
| 621 | 125 | 38 | 38 | | | 170 | 130 | 120 | | | 125 | 250 | | 125 | | 24,6 |
| 622 | | 28 | 23 | | | 140 | 120 | - | | | | | | | | 23,2 |
| 623 | 250 X | 38 | 28 | 18 | 18/19 | 160 | 130 | - | | | 152 X | 60 X | | 140 X | 50 X | 27,9 |
| 624 | 160 | 38 | 38 | | | 170 | 130 | 120 | | | 160 | 250 | | 160 | 250 | 31,1 |
| 625 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | 35,0 |
| 626 | 250 X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | 132 X | 82 X | | 120 X | 70 X | 44,8 |
| 627 | 200 | 48 | 48 | | | 200 | 150 | 140 | | | 200 | 250 | | 200 | 250 | 48,7 |
| 628 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | 43,2 |
| 629 | 250 X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | 132 X | 132 X | | 120 X | 120 X | 55,5 |
| 630 | 250 | 48 | 48 | | | 200 | 150 | 140 | | | 250 | 250 | | 250 | 250 | 60,5 |

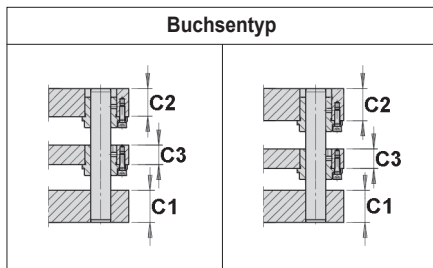


Säulengestelle aus Stahl

3 Platten, 4 Säulen, Typ Q

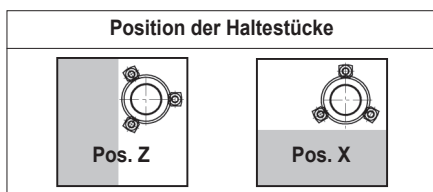
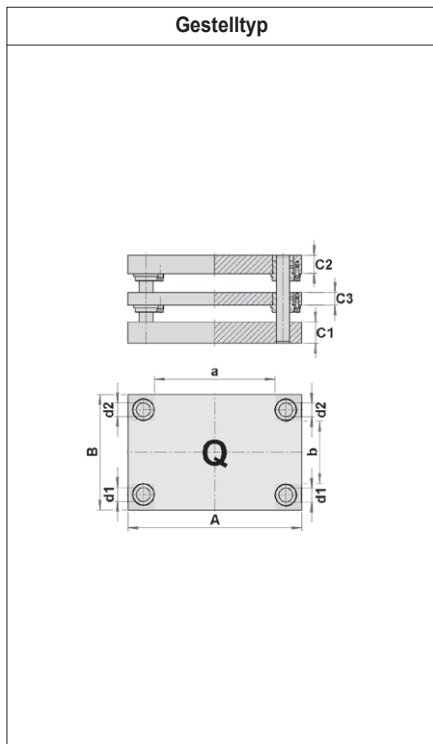


Märkische Stanz-Partner



| Sinterbuchse | |
|--|--|
| C2: FS 741 C3: FS 731 | C2: FS 732 C3: FS 731 |
| 88 | 87 |
| Stahlbuchse mit Bronzeplattierung | |
| C2: FS 641 C3: FS 631 | C2: FS 632 C3: FS 631 |
| 71 | 72 |
| Stahlbuchse mit Ms-Käfig | |
| C2: FS 458 + FS 425 C3: FS 457 + FS 425 | C2: FS 453 + FS 425 C3: FS 457 + FS 425 |
| 91 | 92 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 P | FS 419 R | FS 400 + 403 S |



| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | | | | Gewicht [kg] | | | |
|-------|-------------|---------------|----|----|------------|-------------|----------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|--|--------------|-----|-------|--|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 88 71 72 | | | 91 92 | | | | | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | c X A | | | | | |
| 631 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | | | 33,7 | |
| 632 | 300 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | | 182 | 42 | | | 170 | 30 | 43,1 | |
| | 160 | | | | | | | | | | | 160 | 300 | | | 160 | 300 | | |
| 633 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 46,9 | |
| 634 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | | | 41,6 | |
| 635 | 300 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | | 182 | 82 | | | 170 | 70 | 53,5 | |
| | 200 | | | | | | | | | | | 200 | 300 | | | 200 | 300 | | |
| 636 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 58,5 | |
| 637 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | 61,5 | |
| 638 | 300 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | 158 | 108 | | | 142 | 92 | 70,5 | |
| | 250 | | | | | | | | | | | 250 | 300 | | | 250 | 300 | | |
| 639 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 76,0 | |
| 640 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | 73,0 | |
| 641 | 300 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | 158 | 158 | | | 142 | 142 | 83,5 | |
| | 300 | | | | | | | | | | | 300 | 300 | | | 300 | 300 | | |
| 642 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 90,5 | |
| 643 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | | | 48,2 | |
| 644 | 350 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | | 232 | 82 | | | 270 | 70 | 62,0 | |
| | 200 | | | | | | | | | | | 200 | 350 | | | 200 | 350 | | |
| 645 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 67,5 | |
| 646 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | 71,0 | |
| 647 | 350 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | 208 | 108 | | | 192 | 92 | 81,5 | |
| | 250 | | | | | | | | | | | 250 | 350 | | | 250 | 350 | | |
| 648 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 88,5 | |
| 649 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | 85,0 | |
| 650 | 350 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | 208 | 158 | | | 192 | 142 | 97,0 | |
| | 300 | | | | | | | | | | | 300 | 350 | | | 300 | 350 | | |
| 651 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 105,0 | |
| 652 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | 98,5 | |
| 653 | 350 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | 208 | 208 | | | 192 | 192 | 113,0 | |
| | 350 | | | | | | | | | | | 350 | 350 | | | 350 | 350 | | |
| 654 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 123,0 | |
| 655 | | 33 | 28 | | | 160 | 130 | - | | | | | | | | | | 55,0 | |
| 656 | 400 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 23 | 24/25 | 190 | 150 | - | | | | 282 | 82 | | | 270 | 70 | 70,5 | |
| | 200 | | | | | | | | | | | 200 | 400 | | | 200 | 400 | | |
| 657 | | 48 | 48 | | | 200 | 150 | 130 | | | | | | | | | | 77,0 | |
| 658 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | | 81,0 | |
| 659 | 400 | | | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | | 258 | 108 | | | 242 | 92 | 92,5 | |
| | 250 | | | | | | | | | | | 250 | 400 | | | 250 | 400 | | |
| 660 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | | 101,0 | |

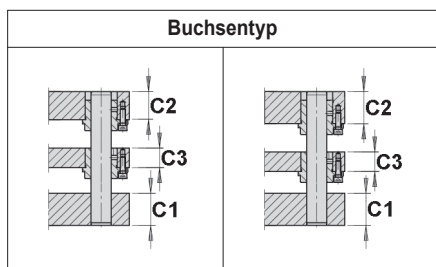


Säulengestelle aus Stahl

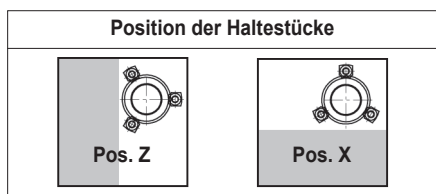
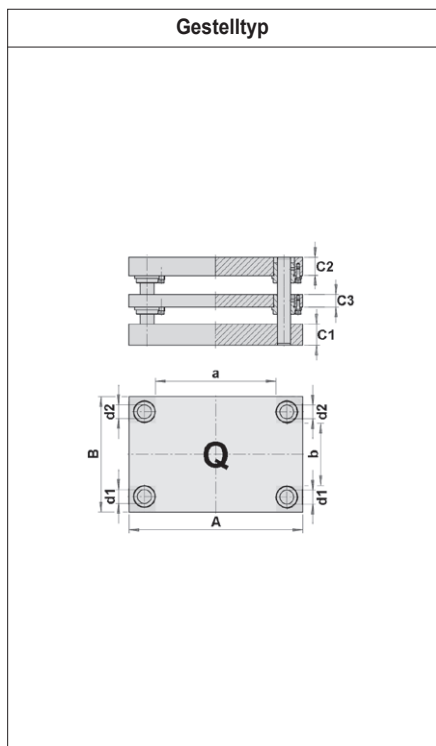
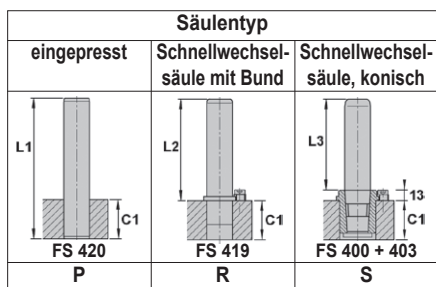
3 Platten, 4 Säulen, Typ Q



Märkische Stanz-Partner



| Sinterbuchse | |
|--|--|
| C2: FS 741 C3: FS 731 | C2: FS 732 C3: FS 731 |
| 88 | 87 |
| Stahlbuchse mit Bronzeplattierung | |
| C2: FS 641 C3: FS 631 | C2: FS 632 C3: FS 631 |
| 71 | 72 |
| Stahlbuchse mit Ms-Käfig | |
| C2: FS 458 + FS 425 C3: FS 457 + FS 425 | C2: FS 453 + FS 425 C3: FS 457 + FS 425 |
| 91 | 92 |



| Größe | Abmessungen | | | | | | | Arbeitsflächen | | | | | | | | Gewicht [kg] | |
|-------|-----------------|---------------|----|----|------------|-------------|-----|----------------|-------------|-------------|-----------------|-----------------|-------------|-----------------|-----------------|--------------|-------|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 88 71 72 | | | 91 92 | | | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | b X A | c X A | | | |
| 661 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 118,0 |
| 662 | 400 X 300 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 238 X 300 | 138 X 400 | | 222 X 300 | 122 X 400 | | 137,0 |
| 663 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 147,0 |
| 664 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 137,0 |
| 665 | 400 X 350 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 238 X 350 | 188 X 400 | | 222 X 350 | 172 X 400 | | 159,0 |
| 666 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 170,0 |
| 667 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 156,0 |
| 668 | 400 X 400 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 238 X 400 | 238 X 400 | | 222 X 400 | 222 X 400 | | 181,0 |
| 669 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 194,0 |
| 670 | | 38 | 33 | | | 170 | 140 | - | | | | | | | | | 100,0 |
| 671 | 500 X 250 | 48 | 38 | 28 | 30/32 | 190 | 150 | - | | | 358 X 250 | 108 X 500 | | 342 X 250 | 92 X 500 | | 115,0 |
| 672 | | 48 | 48 | | | 200 | 150 | 140 | | | | | | | | | 125,0 |
| 673 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 146,0 |
| 674 | 500 X 300 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 338 X 300 | 138 X 500 | | 322 X 300 | 122 X 500 | | 170,0 |
| 675 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 182,0 |
| 676 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 170,0 |
| 677 | 500 X 350 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 338 X 350 | 188 X 500 | | 322 X 350 | 172 X 500 | | 197,0 |
| 678 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 211,0 |
| 679 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 193,0 |
| 680 | 500 X 400 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 338 X 400 | 238 X 500 | | 322 X 400 | 222 X 500 | | 225,0 |
| 681 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 240,0 |
| 682 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 240,0 |
| 683 | 500 X 500 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 338 X 500 | 338 X 500 | | 322 X 500 | 322 X 500 | | 279,0 |
| 684 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 299,0 |
| 685 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 174,0 |
| 686 | 600 X 300 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 438 X 300 | 138 X 600 | | 422 X 300 | 122 X 600 | | 203,0 |
| 687 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 217,0 |
| 688 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 202,0 |
| 689 | 600 X 350 | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 438 X 350 | 188 X 600 | | 422 X 350 | 172 X 600 | | 235,0 |
| 690 | | 58 | 58 | | | 230 | 170 | 160 | | | | | | | | | 252,0 |

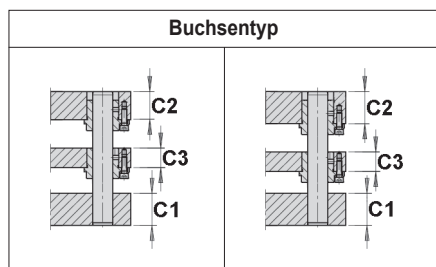


Säulengestelle aus Stahl

3 Platten, 4 Säulen, Typ Q

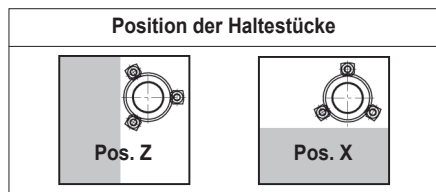
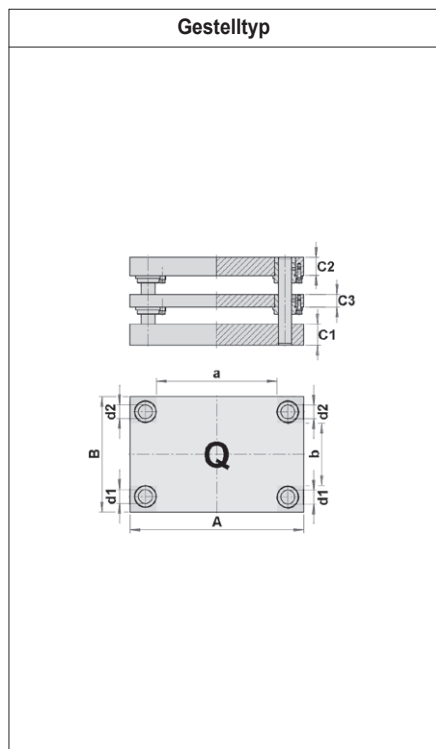


Märkische Stanz-Partner



| Sinterbuchse | |
|--|--|
| C2: FS 741 C3: FS 731 | C2: FS 732 C3: FS 731 |
| 88 | 87 |
| Stahlbuchse mit Bronzeplattierung | |
| C2: FS 641 C3: FS 631 | C2: FS 632 C3: FS 631 |
| 71 | 72 |
| Stahlbuchse mit Ms-Käfig | |
| C2: FS 458 + FS 425 C3: FS 457 + FS 425 | C2: FS 453 + FS 425 C3: FS 457 + FS 425 |
| 91 | 92 |

| Säulentyp | | |
|-------------|------------------------------|------------------------------|
| eingepresst | Schnellwechselsäule mit Bund | Schnellwechselsäule, konisch |
| | | |
| FS 420 P | FS 419 R | FS 400 + 403 S |



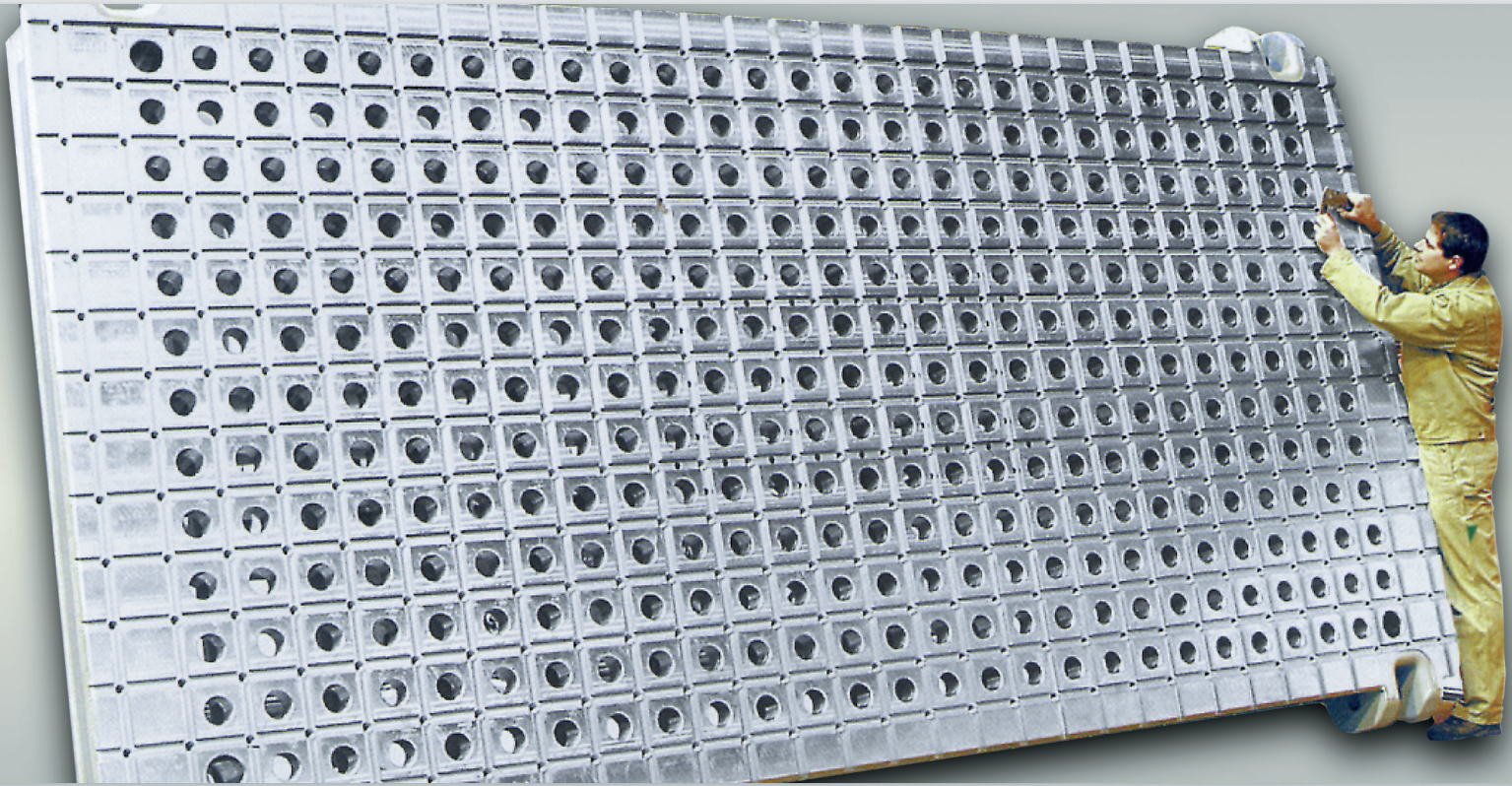
| Größe | Abmessungen | | | | | | Arbeitsflächen | | | | | | Gewicht [kg] | | | | |
|-------|-------------|---------------|----|----|------------|-------------|----------------|-----|-------------------|-------------|-------------|-------------|--------------|-------------|-------------|-------|-------|
| | A X B | Plattenstärke | | | Ø d1/d2 | Säulenlänge | | | 88 71 87 72 | | | 91 92 | | | | | |
| | | C1 | C2 | C3 | | L1 | L2 | L3 | a X B | b X A | c X A | a X B | | b X A | c X A | | |
| 691 | | 48 | 38 | | | 200 | 160 | - | | | | | | | | 230,0 | |
| 692 | 600 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 438 | 238 | | 422 | 222 | | 268,0 |
| 693 | 400 | | | | | | | | | | | | | | | | |
| | X | 58 | 58 | | | 230 | 170 | 160 | | | 400 | 600 | | 400 | 600 | | 287,0 |
| 694 | 600 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | | | 230 | 180 | - | | | 406 | 306 | | 390 | 290 | | 348,0 |
| 695 | 500 | | | | | | | | | | | | | | | | |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 500 | 600 | | 500 | 600 | | 395,0 |
| 696 | 600 | | | | | | | | | | | | | | | | |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | 419,0 |
| 697 | 600 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | | | 230 | 180 | - | | | 406 | 406 | | 390 | 390 | | 416,0 |
| 698 | 600 | | | | | | | | | | | | | | | | |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 600 | 600 | | 600 | 600 | | 473,0 |
| 699 | 700 | | | | | | | | | | | | | | | | |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | 501,0 |
| 700 | 700 | | | | | | | | | | | | | | | | |
| | X | 48 | 38 | | | 200 | 160 | - | | | | | | | | | 235,0 |
| 701 | 350 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | 33 | 40/42 | 220 | 170 | - | | | 538 | 188 | | 522 | 172 | | 274,0 |
| 702 | 700 | | | | | | | | | | | | | | | | |
| | X | 58 | 58 | | | 230 | 170 | 160 | | | 350 | 700 | | 350 | 700 | | 293,0 |
| 703 | 700 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | | | 230 | 180 | - | | | | | | | | | 326,0 |
| 704 | 400 | | | | | | | | | | | | | | | | |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 506 | 206 | | 490 | 190 | | 370,0 |
| 705 | 700 | | | | | | | | | | | | | | | | |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | 400 | 700 | | 400 | 700 | | 392,0 |
| 706 | 700 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | | | 230 | 180 | - | | | 506 | 306 | | 490 | 290 | | 405,0 |
| 707 | 500 | | | | | | | | | | | | | | | | |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 500 | 700 | | 500 | 700 | | 460,0 |
| 708 | 700 | | | | | | | | | | | | | | | | |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | 487,0 |
| 709 | 700 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | | | 230 | 180 | - | | | 506 | 406 | | 490 | 390 | | 484,0 |
| 710 | 600 | | | | | | | | | | | | | | | | |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 600 | 700 | | 600 | 700 | | 540,0 |
| 711 | 800 | | | | | | | | | | | | | | | | |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | 583,0 |
| 712 | 800 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | | | 230 | 180 | - | | | 606 | 206 | | 590 | 190 | | 371,0 |
| 713 | 400 | | | | | | | | | | | | | | | | |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 400 | 800 | | 400 | 800 | | 421,0 |
| 714 | 800 | | | | | | | | | | | | | | | | |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | 447,0 |
| 715 | 800 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | | | 230 | 180 | - | | | 606 | 306 | | 590 | 290 | | 461,0 |
| 716 | 500 | | | | | | | | | | | | | | | | |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 500 | 800 | | 500 | 800 | | 524,0 |
| 717 | 800 | | | | | | | | | | | | | | | | |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | 556,0 |
| 718 | 800 | | | | | | | | | | | | | | | | |
| | X | 58 | 48 | | | 230 | 180 | - | | | 606 | 406 | | 590 | 390 | | 552,0 |
| 719 | 600 | | | | | | | | | | | | | | | | |
| | X | 68 | 58 | 38 | 50/52 | 250 | 200 | - | | | 600 | 800 | | 600 | 800 | | 627,0 |
| 720 | 800 | | | | | | | | | | | | | | | | |
| | X | 68 | 68 | | | 260 | 200 | 180 | | | | | | | | | 665,0 |





MSP G
M
B
H

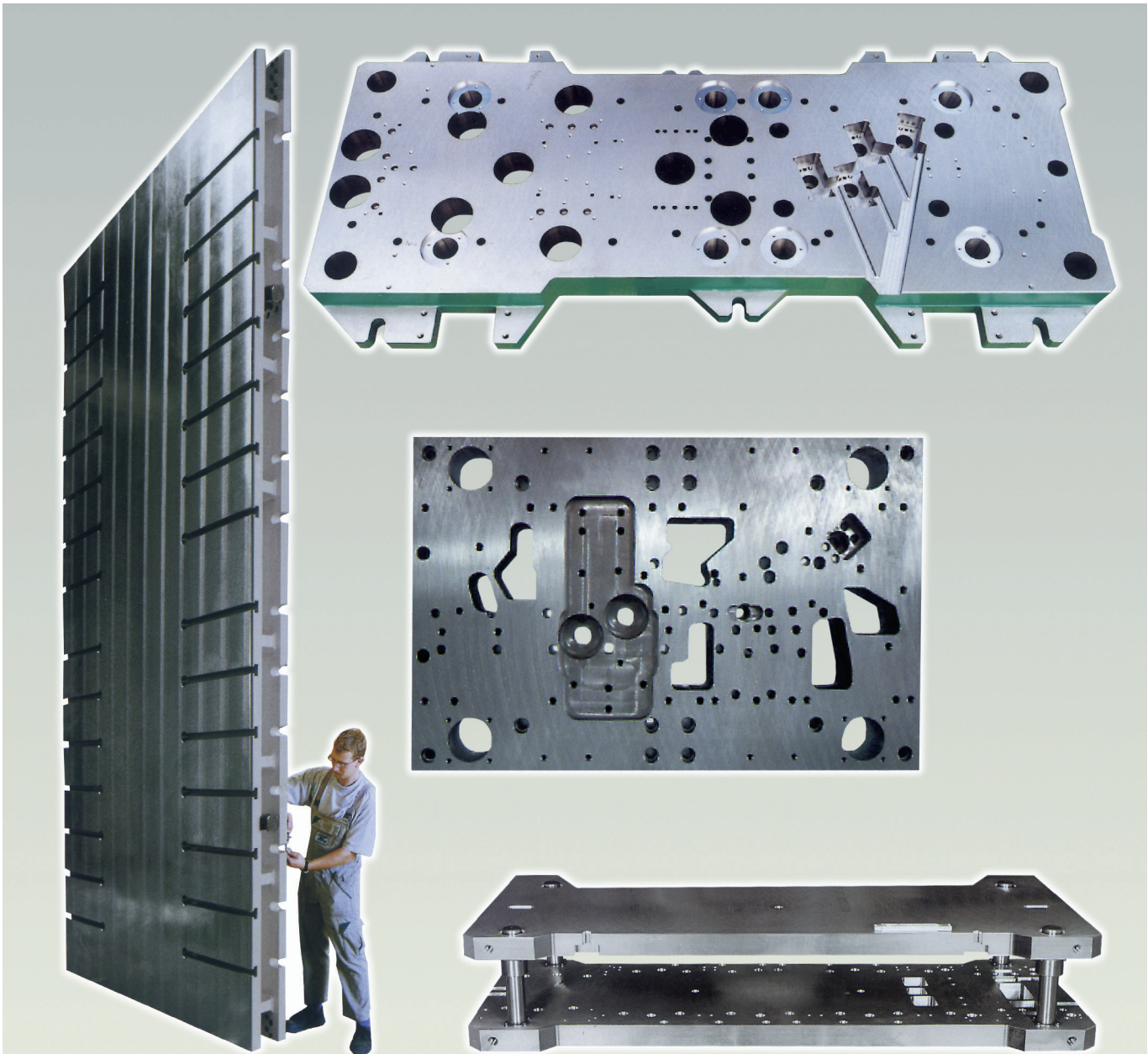
Märkische Stanz-Partner



[stanznormalien]

Großstahlplatten und Stahl-Schweiß-
Konstruktionen mit Sonderbearbeitungen





CNC - Brennschneiden

Materiallager ST 52-3, Blechdicken 10 – 600 mm

Glühen

Abmessungen 6.000 x 3.000 x 2.000 mm, bis 25 t Stückgewicht

Stahlkies strahlen

Abmessungen 6.000 x 3.000 x 2.000 mm, bis 25 t Stückgewicht

Richten

Abmessungen 6.000 x 3.000 x 2.000 mm, bis 25 t Stückgewicht

Farbgebung - Grundierung

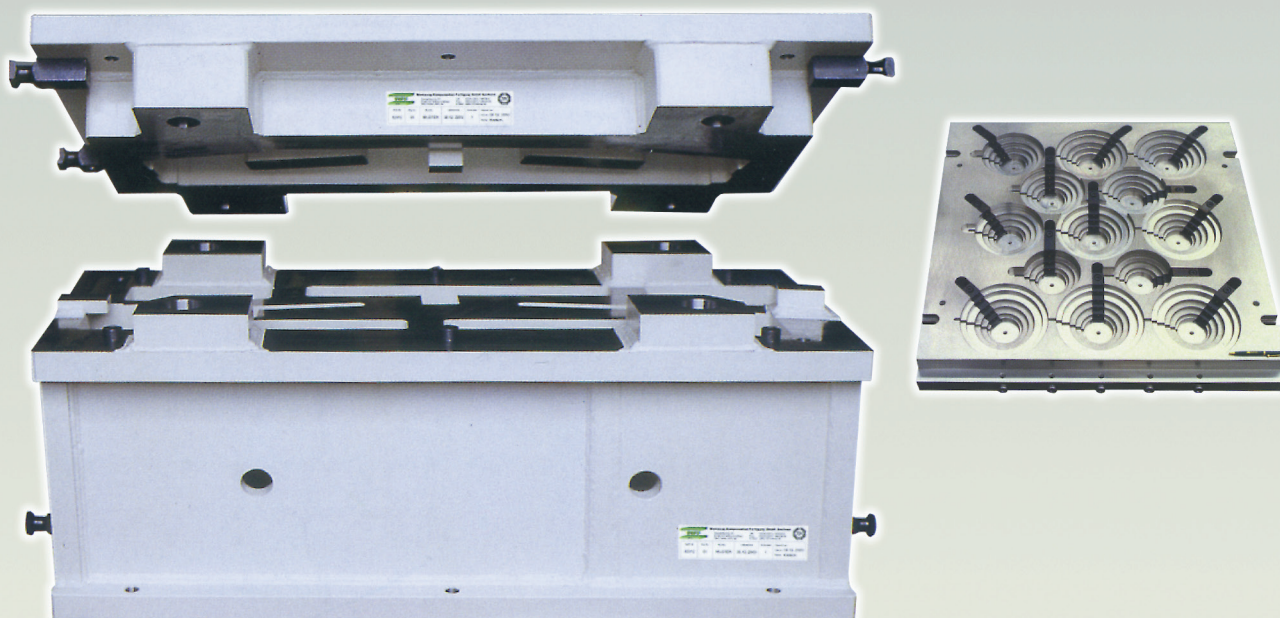
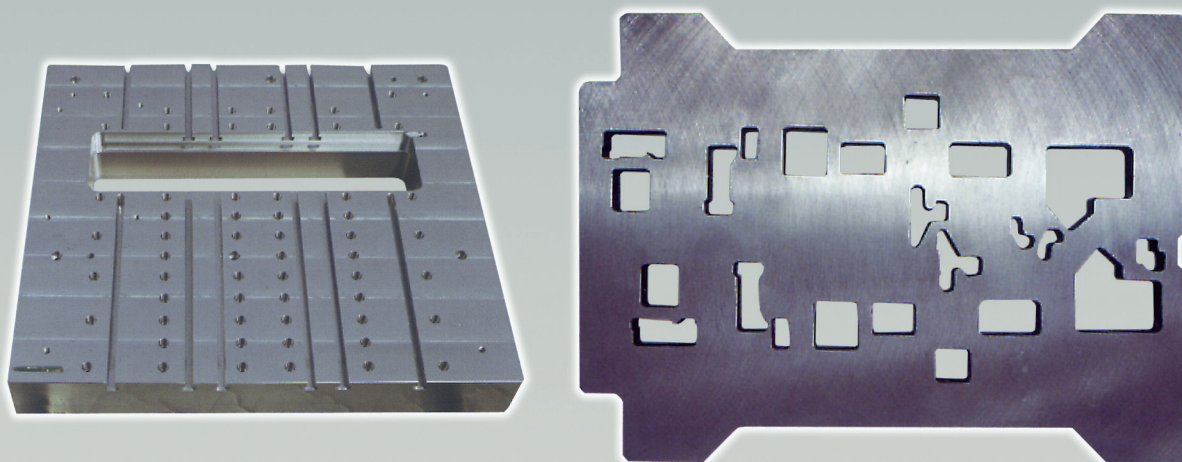
Abmessungen 6.000 x 3.000 x 2.000 mm, bis 25 t Stückgewicht

CNC - Diskusschleifen

Verfahrweg 4.000 x 1.250 x 300 mm

CNC - Feinschleifen

Verfahrweg 3.000 x 1.600 x 600 mm



CNC - Lehrenbohren **Verfahrweg 3.000 x 1.600 x 600 mm**

CNC - Portalfräsen **Verfahrweg 7.000 x 3.000 x 1.400 mm**

CNC - Fräsen und Bohren **Verfahrweg 4.900 x 2.400 x 800 mm**

CNC - Portalmessen **Verfahrweg 3.000 x 1.600 x 800 mm**

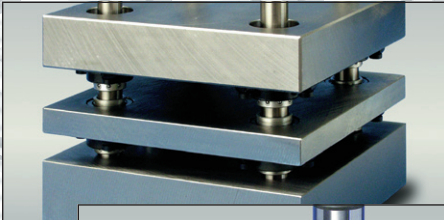
CNC - Tieflochbohren **Durchmesser 30 – 120 mm**
bis 1.500 mm als Sacklochbohrung
bis 3.000 mm als Durchgangsbohrung

Die Herstellung/Bearbeitung der Produkte erfolgt nach Kundenzeichnung oder nach CAD-Datei im DXF-, DWG-, IGES-, VDA- oder Catia-Format.



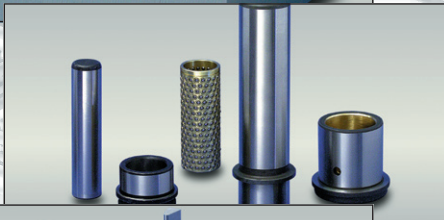
Märkische Stanz-Partner

[lieferprogramm]



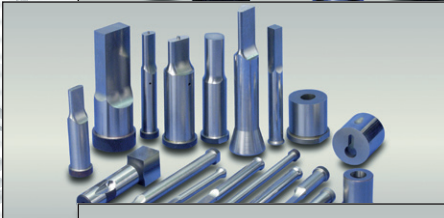
[säulengestelle]

in Standard- und Sonderabmessungen
ab 125 x 125 mm bis 3.000 x 6.000 mm



[führungssysteme]

in den verschiedensten Ausführungen



[schneidelemente]

mit unterschiedlichsten Schneidgeometrien



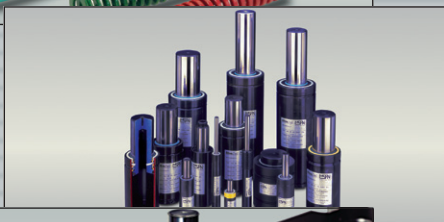
[technische Hilfsmittel]

umfangreiche Auswahl
von Schrauben bis zu kleinen Schiebern



[federelemente]

umfassendes Programm an ISO-,
Elastomer- und ähnlichen Federn



[nitrocy Gasdruckfedern]

umfangreiches Programm für
unterschiedliche Anwendungen



[hyson Stickstoff Systeme]

große Auswahl aus dem Programm eines
der Weltmarktführer

Märkische Stanz-Partner Normalien GmbH

Jüngerstrasse 17 • D-58515 Lüdenscheid

Tel.: +49 (0) 23 51 / 6 61 07-0 • Fax: +49 (0) 23 51 / 6 61 07-77

e-mail: mail@maerkische-stanz-partner.de • www.maerkische-stanz-partner.de

Es gelten unsere allgemeinen Verkaufs- und Lieferbedingungen, die wir Ihnen auf Nachfrage gerne zusenden.

