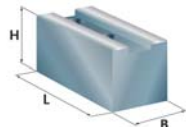
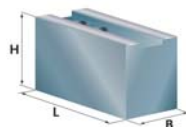


**Futtertype:**  
**Kitagawa**  
**HG715-210**



**HWR Spanntechnik GmbH**  
Lübkemannstr. 13  
2 8 8 7 6 O y t e n  
Telefon 0 42 07 - 6887-0  
Fax 0 42 07 - 6887-15  
e-mail: info@spannbacken.de  
www.hwr-spanntechnik.de



**Weiche Aufsatzbacke mit Spitzverzahnung 1,5°/60°, Nut=14mm**

**Nutenstein: GP09**

| B  | H  | L  | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|----|----|----|---------|-------------|-----------|-----------|
| 35 | 35 | 90 | 2,2     | <b>BQ08</b> | 215101    | C15       |
| 35 | 40 | 95 | 2,7     | <b>BO08</b> | 215108    | C15       |
| 35 | 80 | 95 | 4,0     | <b>DJ08</b> | 215508    | C15       |

**Ausführung: angeschragt**

**Nutenstein: GP09**

| B  | H  | L   | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|----|----|-----|---------|-------------|-----------|-----------|
| 35 | 40 | 85  | 2,2     | <b>CK08</b> | 215212    | C15       |
| 35 | 40 | 95  | 2,7     | <b>CK09</b> | 215079    | C15       |
| 35 | 40 | 102 | 2,9     | <b>PT08</b> | 215008    | C15       |

**Ausführung: Rohlinge, ungebohrt**

**Nutenstein: GP09**

| B  | H   | L   | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|----|-----|-----|---------|-------------|-----------|-----------|
| 35 | 35  | 90  | 2,2     | <b>HK01</b> | 200809    | C15       |
| 35 | 60  | 90  | 3,7     | <b>HK02</b> | 200811    | C15       |
| 35 | 80  | 95  | 4,9     | <b>HK03</b> | 200813    | C15       |
| 35 | 100 | 95  | 7,2     | <b>HK04</b> | 200815    | C15       |
| 35 | 40  | 102 | 3,3     | <b>HK06</b> | 200817    | C15       |
| 65 | 50  | 75  | 5,6     | <b>HK07</b> | 200819    | C15       |
| 32 | 44  | 95  | 1,1     | <b>HP05</b> | 200310    | Aluminium |
| 32 | 76  | 95  | 1,9     | <b>HP06</b> | 200311    | Aluminium |
| 32 | 102 | 95  | 2,5     | <b>HP07</b> | 200312    | Aluminium |

**Weiche Segment-Aufsatzbacke**

**Ausführung**

**Nutenstein: GP09**

| B    | H  | L  | kg/Satz | Typ            | Ident-Nr. | Werkstoff |
|------|----|----|---------|----------------|-----------|-----------|
| 150  | 64 | 89 | 14,0    | <b>I CN20</b>  | 217002    | C15       |
| 150  | 64 | 76 | 5,0     | <b>I HN20</b>  | 219001    | Aluminium |
| Ø210 | 76 | 99 |         | <b>II SG08</b> | 218102    | Stahl     |
| Ø210 | 76 | 99 |         | <b>II AG08</b> | 218202    | Aluminium |

**Gehärtete Greiferspannbacken, Außenspannung**

**Nutenstein: GP09**

| B                   | H  | T  | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|---------------------|----|----|---------|-------------|-----------|-----------|
| 40                  | 49 | 20 |         |             |           |           |
| <b>Spannbereich</b> |    |    |         |             |           |           |
| 48- 67mm            |    |    | 1,9     | <b>LB03</b> | 234006    | 16MnCr5   |
| 76- 95mm            |    |    | 1,8     | <b>LB06</b> | 234007    | 16MnCr5   |
| 104- 124mm          |    |    | 1,7     | <b>LB09</b> | 234008    | 16MnCr5   |
| 131- 151mm          |    |    | 1,7     | <b>LB12</b> | 234009    | 16MnCr5   |
| 165- 185mm          |    |    | 1,7     | <b>LB15</b> | 234028    | 16MnCr5   |

**Gehärtete Greiferspannbacken, Innenspannung**

**Nutenstein: GP09**

| B                   | H  | T  | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|---------------------|----|----|---------|-------------|-----------|-----------|
| 40                  | 49 | 20 |         |             |           |           |
| <b>Spannbereich</b> |    |    |         |             |           |           |
| 65- 84mm            |    |    | 1,9     | <b>MB06</b> | 235005    | 16MnCr5   |
| 94- 114mm           |    |    | 1,8     | <b>MB08</b> | 235006    | 16MnCr5   |
| 127- 147mm          |    |    | 1,7     | <b>MB11</b> | 235007    | 16MnCr5   |
| 157- 177mm          |    |    | 1,7     | <b>MB14</b> | 235008    | 16MnCr5   |

**Gehärtete umkehrbare Aufsatzbacken**

**Nutenstein: GP09**

| B  | H  | L  | T  | Typ         | Ident-Nr. | Werkstoff |
|----|----|----|----|-------------|-----------|-----------|
| 35 | 50 | 86 | 11 | <b>GT08</b> | 227003    | 16MnCr5   |

**Nutensteine**

| H    | h   | J  | G   | Typ         | Ident-Nr. | Werkstoff |
|------|-----|----|-----|-------------|-----------|-----------|
| 20,5 | 8,5 | 25 | M12 | <b>GP09</b> | 292001    | 40NiCrMo6 |

**Auflagebolzen**

| G  | H  | SW | Typ         | Ident-Nr. | Werkstoff |
|----|----|----|-------------|-----------|-----------|
| M6 | 5  | 10 | <b>IT05</b> | 229004    | C15       |
| M6 | 10 | 10 | <b>IT10</b> | 229005    | C15       |
| M6 | 15 | 10 | <b>IT15</b> | 229006    | C15       |
| M6 | 20 | 10 | <b>IT20</b> | 229007    | C15       |



**Gripper Hartmetall**



**Ausdrehvorrichtung**



**Stangengreifer**

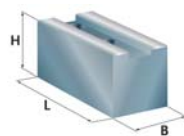


**Reinigungsplatte**



**Pendelbacken**

**Futtertype:**  
**Kitagawa**  
**HG730-254**



**Weiche Aufsatzbacke mit Spitzverzahnung 1,5\*60°, Nut=16mm**

**Nutenstein: GP10**

| B  | H  | L   | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|----|----|-----|---------|-------------|-----------|-----------|
| 40 | 60 | 90  | 4,2     | <b>DK10</b> | 215003    | C15       |
| 40 | 40 | 110 | 3,4     | <b>BO10</b> | 215110    | C15       |
| 40 | 80 | 110 | 6,5     | <b>DJ10</b> | 215510    | C15       |

**Angeschrägte, weiche Aufsatzbacken**

**Nutenstein: GP10**

| B  | H  | L   | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|----|----|-----|---------|-------------|-----------|-----------|
| 40 | 60 | 110 | 5,2     | <b>DK11</b> | 215004    | C15       |
| 40 | 40 | 125 | 4,5     | <b>PT10</b> | 215010    | C15       |

**Rohlinge**

**Nutenstein: GP10**

| B  | H   | L   | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|----|-----|-----|---------|-------------|-----------|-----------|
| 40 | 40  | 84  | 3,1     | <b>HM02</b> | 200823    | C15       |
| 40 | 40  | 110 | 4,1     | <b>HM03</b> | 200825    | C15       |
| 40 | 60  | 90  | 5       | <b>HM04</b> | 200827    | C15       |
| 40 | 60  | 110 | 6,2     | <b>HM05</b> | 200829    | C15       |
| 40 | 80  | 110 | 7,8     | <b>HM06</b> | 200831    | C15       |
| 40 | 100 | 110 | 10,3    | <b>HM07</b> | 200833    | C15       |
| 40 | 125 | 110 | 12,9    | <b>HM08</b> | 200835    | C15       |
| 80 | 50  | 90  | 8,2     | <b>HM09</b> | 200837    | C15       |
| 38 | 51  | 110 | 1,7     | <b>HP11</b> | 200320    | Aluminium |
| 38 | 76  | 110 | 2,5     | <b>HP12</b> | 200321    | Aluminium |
| 38 | 102 | 110 | 3,3     | <b>HP13</b> | 200322    | Aluminium |

**Weiche Segment-Aufsatzbacke**

**Ausführung**

**Nutenstein: GP10**

| B    | H  | L   | kg/Satz | Typ       | Ident-Nr.   | Werkstoff |
|------|----|-----|---------|-----------|-------------|-----------|
| 170  | 64 | 102 | 20      | <b>I</b>  | <b>CN25</b> | C15       |
| 170  | 64 | 102 | 7       | <b>I</b>  | <b>HN25</b> | Aluminium |
| Ø254 | 76 | 122 |         | <b>II</b> | <b>SG10</b> | Stahl     |
| Ø254 | 76 | 122 |         | <b>II</b> | <b>AG10</b> | Aluminium |

**Gehärtete Greiferspannbacken, Außenspannung**

**Nutenstein: GP10**

| B                   | H  | T  | kg/Satz | Typ         | Ident-Nr. | Werkstoff |
|---------------------|----|----|---------|-------------|-----------|-----------|
| 40                  | 59 | 25 |         |             |           |           |
| <b>Spannbereich</b> |    |    |         |             |           |           |
| 41- 75mm            |    |    | 2,9     | <b>LC04</b> | 234010    | 16MnCr5   |
| 78- 115mm           |    |    | 2,7     | <b>LC08</b> | 234011    | 16MnCr5   |
| 120- 159mm          |    |    | 2,6     | <b>LC13</b> | 234012    | 16MnCr5   |
| 163- 202mm          |    |    | 2,6     | <b>LC17</b> | 234013    | 16MnCr5   |
| 199- 238mm          |    |    | 2,6     | <b>LC20</b> | 234029    | 16MnCr5   |
| 236- 275mm          |    |    | 2,6     | <b>LC24</b> | 234100    | 16MnCr5   |

**Gehärtete Greiferspannbacken, Innenspannung**

**Nutenstein: GP10**

|                     |  |  |     |             |        |         |
|---------------------|--|--|-----|-------------|--------|---------|
| <b>Spannbereich</b> |  |  |     |             |        |         |
| 56- 93mm            |  |  | 2,7 | <b>MC06</b> | 235009 | 16MnCr5 |
| 95- 133mm           |  |  | 2,5 | <b>MC10</b> | 235010 | 16MnCr5 |
| 136- 175mm          |  |  | 2,3 | <b>MC14</b> | 235011 | 16MnCr5 |
| 175- 214mm          |  |  | 2,2 | <b>MC18</b> | 235012 | 16MnCr5 |

**Gehärtete umkehrbare Aufsatzbacken**

**Nutenstein: GP10**

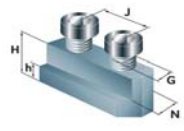
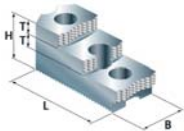
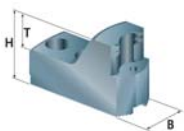
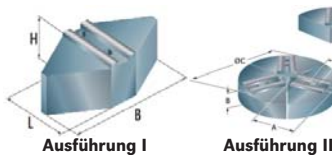
| B  | H  | L  | T  | Typ         | Ident-Nr. | Werkstoff |
|----|----|----|----|-------------|-----------|-----------|
| 40 | 60 | 99 | 15 | <b>GT10</b> | 227004    | 16MnCr5   |

**Nutensteine**

| H  | h | J  | G   | Typ         | Ident-Nr. | Werkstoff |
|----|---|----|-----|-------------|-----------|-----------|
| 23 | 8 | 30 | M12 | <b>GP10</b> | 292006    | 40NiCrMo6 |

**Auflagebolzen**

| G  | H  | SW | Typ         | Ident-Nr. | Werkstoff |
|----|----|----|-------------|-----------|-----------|
| M8 | 5  | 13 | <b>IU05</b> | 229008    | C15       |
| M8 | 10 | 13 | <b>IU10</b> | 229009    | C15       |
| M8 | 15 | 13 | <b>IU15</b> | 229010    | C15       |
| M8 | 20 | 13 | <b>IU20</b> | 229011    | C15       |



**Gripper Hartmetall**

**Ausdrehvorrichtung**

**Stangengreifer**

**Reinigungsplatte**

**Pendelbacken**