

4-Backen-Kraftspannfutter ohne Durchgang 4-jaw closed center power chuck



Anwendung:

- Spannung von runden Bauteilen
- Spannung von quadratischen und rechteckigen Bauteilen
- Spannung von geometrisch unregelmäßigen Bauteilen
- Für verformungsempfindliche Bauteile

Application:

- clamping of round parts
- clamping of square/rectangular parts
- clamping of irregular parts
- for deformation sensitive parts

Technical features:

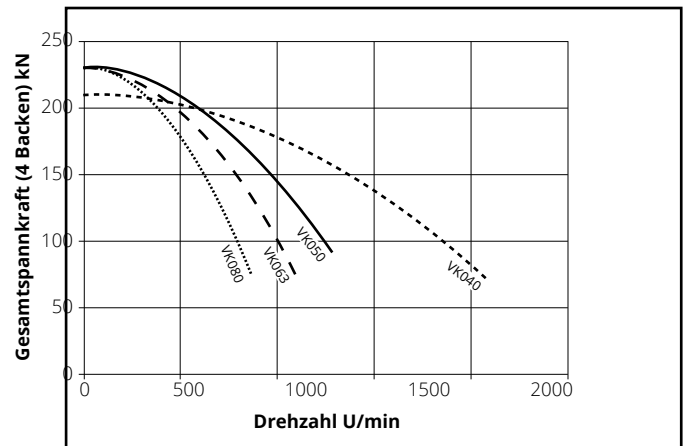
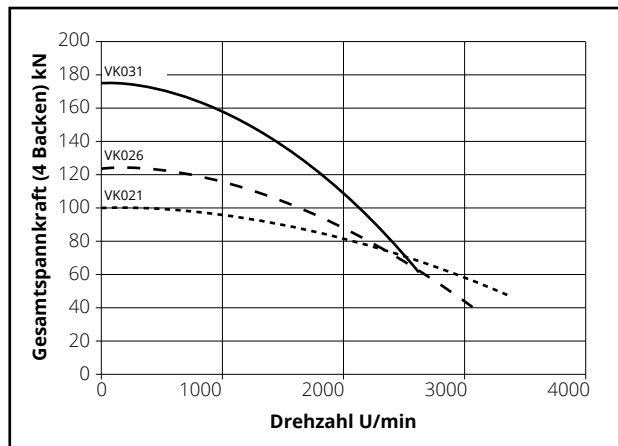
- compensating concentric clamping

Technische Merkmale:

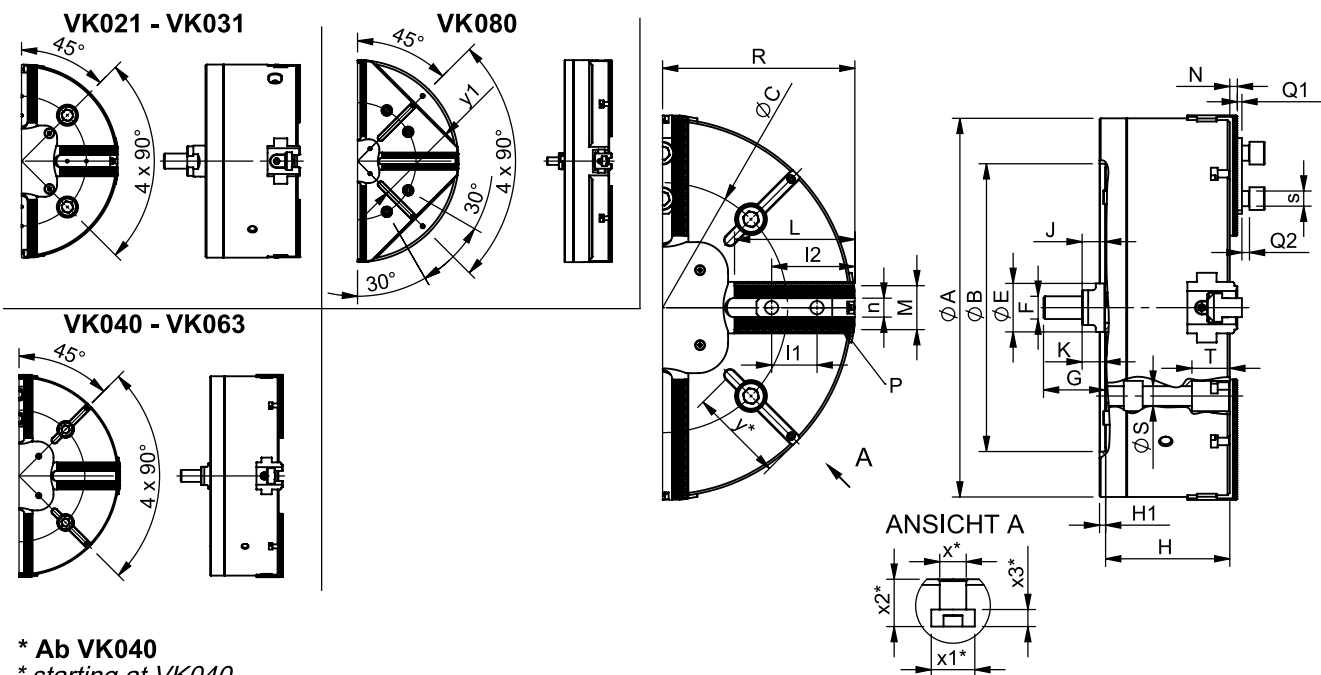
- zentrisches ausgleichendes Spannen

Spannkraft-/Drehzahl-Diagramm

clamping force – speed diagram



| Technische Daten technical data | | VK021 | VK026 | VK031 | VK040 | VK050 | VK063 | VK080 |
|---|-------------------|--------|--------|--------|--------|--------|--------|--------|
| Ident-Nr. | | 843021 | 843026 | 843031 | 843040 | 843050 | 843063 | 843080 |
| Durchmesser diameter | mm | 212 | 255 | 315 | 400 | 500 | 630 | 800 |
| Hub pro Backe radial jaw stroke | mm | 4,3 | 4,6 | 4,8 | 5,4 | 8 | 9,2 | 9,2 |
| Ausgleichshub pro Backe compensation stroke per jaw | mm | 3,3 | 3,6 | 3,6 | 3,6 | 6,3 | 7,5 | 7,5 |
| Kolbenhub axial piston stroke | mm | 19 | 23 | 24 | 27 | 35 | 40 | 40 |
| max. Betätigungskraft max. draw pull | kN | 40 | 50 | 70 | 85 | 90 | 90 | 90 |
| max. Spannkraft max. gripping force | kN | 105 | 130 | 182 | 220 | 230 | 230 | 230 |
| max. Drehzahl max. speed | 1/min r.p.m | 4000 | 3200 | 2800 | 2100 | 1300 | 1100 | 900 |
| Masse (ohne Backen) weight (without top jaws) | kg | 25 | 41,7 | 68,5 | 120 | 221 | 350 | 542 |
| Massenträgheitsmoment moment of inertia | kg·m ² | 0,15 | 0,36 | 0,88 | 2,5 | 7,2 | 17,7 | 42,25 |
| Standard Nutenstein standard t-nut | - | GP07 | GP11 | GP11 | GP13 | GP21 | GP21 | GP21 |
| Standard weiche Aufsatzbacke standard soft jaw | - | VS12 | VS16 | VS16 | VS21 | VS25 | VS25 | VS25 |
| Standard harte Greiferbacke standard hard gripper jaw | - | VG12 | VG16 | VG16 | VG21 | VG25 | VG25 | VG25 |



* Ab VK040
* starting at VK040

| Anschlussmaße mounting dimensions | | VK021 | VK026 | VK031 | VK040 | VK050 | VK063 | VK080 |
|--------------------------------------|----|-----------|---------|-----------|------------|----------|----------|----------|
| A | mm | 212 | 255 | 315 | 400 | 500 | 630 | 800 |
| B H6 | mm | 170 | 220 | 220 | 300 | 380 | 380 | 520 |
| C | mm | 133,4 | 171,4 | 171,4 | 235 | 330,2 | 330,2 | 463,6 |
| F | mm | M16x120 | M20x140 | M24x160 | M24x160 | M30x200 | M30x200 | M30x200 |
| G | mm | 55 | 59 | 63 | 64,5 | 81 | 76 | 77 |
| H | mm | 100 | 122 | 127 | 134 | 164 | 169 | 169 |
| H1 | mm | 5 | 5 | 5 | 5 | 8 | 8 | 8 |
| min. / max. | J | 26 / 45 | 29 / 52 | 29 / 53 | 29 / 56 | 31 / 66 | 31 / 71 | 31 / 71 |
| K | mm | 25 | 28 | 28 | 28 | 30 | 30 | 30 |
| L | mm | 62,6 | 76,1 | 103,1 | 133,5 | 153 | 216 | 300 |
| M | mm | 34 | 40 | 46 | 50 | 58 | 58 | 58 |
| N | mm | 2 | 2,5 | 3 | 3 | 10 | 10 | 10 |
| Verzahnung serration | P | 1,5x60° | 1,5x60° | 1,5x60° | 1,5x60° | 3x60° | 3x60° | 3x60° |
| Q1 | mm | 3 | 3 | 3 | 3,5 | 6 | 6 | 6 |
| Q2 | mm | 11,5 | 11,5 | 11,5 | 11,5 | 16,5 | 16,5 | 16,5 |
| Futter geöffnet chuck open | R | 107,7 | 127 | 159,5 | 203,8 | 248,9 | 315,3 | 398,5 |
| S | mm | 13,5 | 17,5 | 17,5 | 22 | 26 | 26 | 26 |
| T | mm | 17 | 18 | 18 | 53 | 50 | 65 | 24,2 |
| I1 | mm | 20 | 30 | 30 | 30 | 60 | 60 | 60 |
| min. / max. | I2 | 28 / 55,5 | 40 / 66 | 40 / 94,5 | 45 / 125,5 | 69 / 138 | 80 / 196 | 80 / 285 |
| n H8 | mm | 12 | 16 | 16 | 21 | 25 | 25 | 25 |
| s | mm | M10x25 | M12x30 | M12x30 | M16x35 | M20x55 | M20x55 | M20x55 |
| x H12 | mm | -- | -- | -- | 14 | 14 | 22 | 22 |
| x1 | mm | -- | -- | -- | 23 | 23 | 40 | 40 |
| x2 | mm | -- | -- | -- | 25 | 25 | 38 | 38 |
| x3 | mm | -- | -- | -- | 9 | 9 | 16 | 16 |
| y | mm | -- | -- | -- | 82,5 | 124 | 186 | 191 |