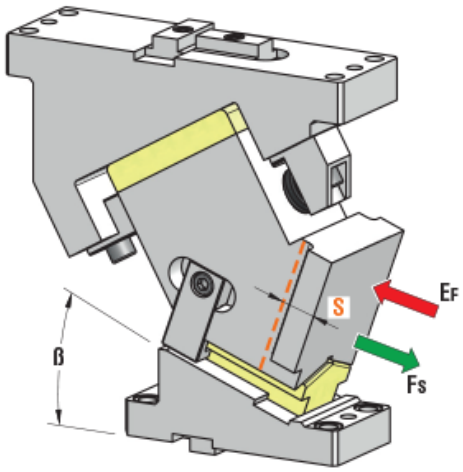
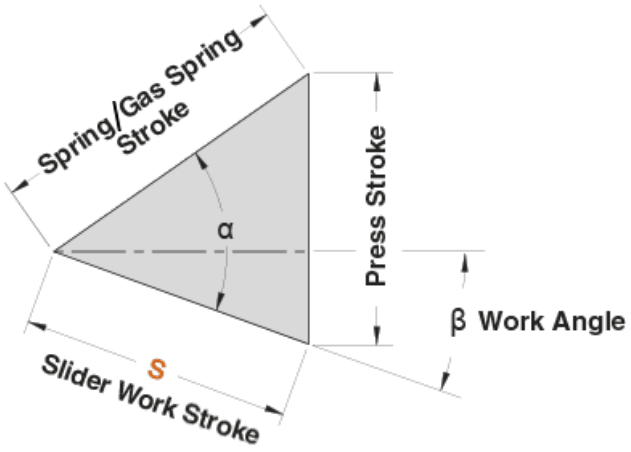
## 1. CAM DIAGRAM




| OMCR CODE | Work Angle β | Slider Work Stroke S (mm) | Press Stroke (mm) | Spring / Gas Spring Stroke (mm) | α - β | α |
|---|---|---|---|---|---|---|
| **CHD100.00** | 0° | 30,21 | 36,00 | 47 | 50° | 50° |
| **CHD100.05** | 5° | 30,52 | 33,07 | 43 | 45° | 50° |
| **CHD100.10** | 10° | 31,11 | 31,11 | 40 | 40° | 50° |
| **CHD100.15** | 15° | 33,92 | 31,72 | 40 | 35° | 50° |
| **CHD100.20** | 20° | 32,26 | 28,53 | 35 | 30° | 50° |
| **CHD100.25** | 25° | 35,00 | 29,58 | 35 | 25° | 50° |
| **CHD100.30** | 30° | 34,72 | 28,31 | 32 | 20° | 50° |
| **CHD100.35** | 35° | 37,73 | 29,93 | 32 | 15° | 50° |
| **CHD100.40** | 40° | 39,85 | 31,00 | 31 | 10° | 50° |
| **CHD100.45** | 45° | 43,67 | 33,58 | 31 | 5° | 50° |
| **CHD100.50** | 50° | 46,67 | 35,75 | 30 | 0° | 50° |
| **CHD100.55** | 55° | 53,84 | 41,40 | 31 | -5° | 50° |
| **CHD100.60** | 60° | 61,06 | 47,49 | 31 | -10° | 50° |
| **CHD100.65** | 65° | 70,85 | 56,19 | 31 | -15° | 50° |

## 2. WORK FORCE DISTRIBUTION (kN) FOR 1 MILLION CYCLES

*The following diagrams illustrate the maximum possible ranges of camforce appliable in several portions of the work area but always working in the exact direction of slider work stroke. If several forces are applied simultaneously on the work area, their common center has to be specified and compared with the tabular infos. The sum of all forces has to be lower than the corresponding tabular value.*

**Fs** *Max Work Force with shoulder*

**Fk** *Max Work Force with fitting keys*

### *For CHD100 and CHD100SL with SL ≤ 30 mm*

**Assembly with shoulder**

| β=0°÷65° | | WIDTH | | | | |
|---|---|---|---|---|---|---|
| | | 15 | 20 | 30 | 20 | 15 |
| HEIGHT | 29 | 10 | 37 | 94 | 37 | 10 |
| | 30 | 13 | 44 | **149** | 44 | 13 |
| | 29 | 10 | 43 | 142 | 43 | 10 |

**Assembly with fitting keys**

| β=0°÷65° | | WIDTH | | | | |
|---|---|---|---|---|---|---|
| | | 15 | 20 | 30 | 20 | 15 |
| HEIGHT | 29 | 10 | 32 | 41 | 6 | 10 |
| | 30 | 13 | 35 | **53** | 7 | 13 |
| | 29 | 10 | 35 | 46 | 6 | 10 |

### *For CHD100SL with 30 < SL ≤ 60 mm*

**Assembly with shoulder**

| β=0°÷65° | | WIDTH | | | | |
|---|---|---|---|---|---|---|
| | | 15 | 20 | 30 | 20 | 15 |
| HEIGHT | 29 | 10 | 30 | 75 | 30 | 10 |
| | 30 | 13 | 35 | **119** | 35 | 13 |
| | 29 | 10 | 34 | 113 | 34 | 10 |

**Assembly with fitting keys**

| β=0°÷65° | | WIDTH | | | | |
|---|---|---|---|---|---|---|
| | | 15 | 20 | 30 | 20 | 15 |
| HEIGHT | 29 | 8 | 30 | 41 | 30 | 8 |
| | 30 | 10 | 35 | **53** | 35 | 10 |
| | 29 | 8 | 34 | 46 | 34 | 8 |