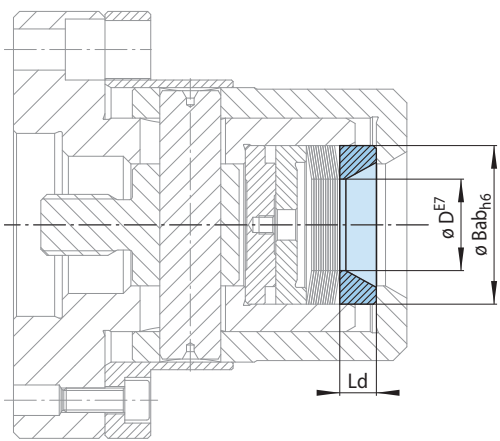


Component thrust ring  
for setup of Bonded Disc Pack Flange Chucks

RINGSPANN®

Thrust ring

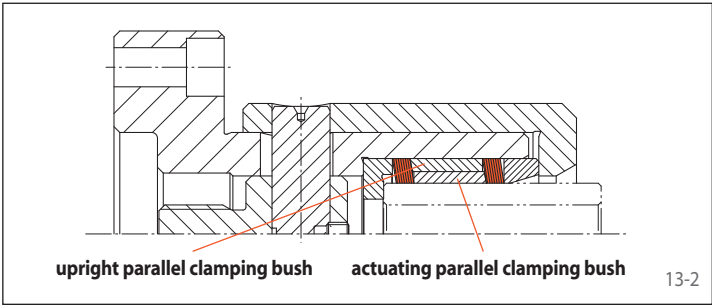


13-1

| for size | Bab mm | D* mm   | Ld mm | Art.-No. 2178- |
|----------|--------|---------|-------|----------------|
| LAFF 22  | 22     | 7 - 15  | 5,5   | 022900         |
| LAFF 32  | 32     | 10 - 20 | 9     | 032900         |
| LAFF 42  | 42     | 20 - 30 | 10    | 042900         |
| LAFF 52  | 52     | 30 - 40 | 12    | 052900         |
| LAFF 62  | 62     | 40 - 50 | 12    | 062900         |
| LAFF 80  | 80     | 50 - 60 | 13    | 080900         |
| LAFF 90  | 90     | 60 - 70 | 13    | 090900         |
| LAFF 100 | 100    | 70 - 80 | 13    | 100900         |

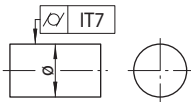
\* $\varnothing D^E7$  for thrust ring and disc / bonded disc pack has to manufactured in same nominal dimensions.

Variants for arrangement of Bonded Disc Packs LAF or LHF



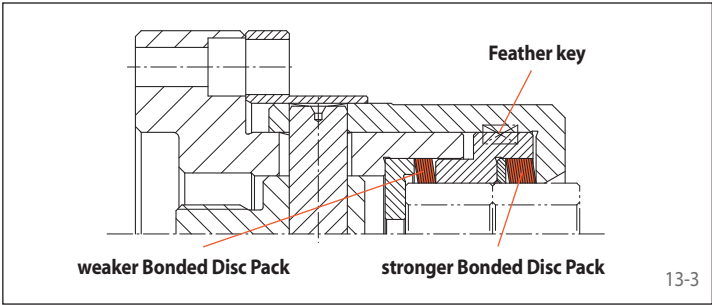
Parallel Bonded Disc Pack Flange Chucks

to transmit high operating torque and for clamping in long bores with tolerance  $\leq IT7$ . Precondition:



Functional principle:

The upright parallel clamping bush remains stationary and retains the Bonded Disc Pack in position, the actuating bush transmits the actuating force by axial movement.

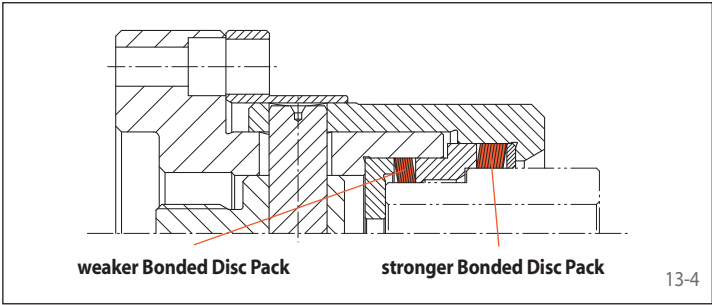


Series Bonded Disc Pack Flange Chuck

for clamping two identical components.

Functional principle:

The weaker Bonded Disc Pack is raised first. It clamps the first component. Then the stronger Bonded Disc Pack is raised and clamps the second component. Alignment with the first component is achieved through pull-back action.

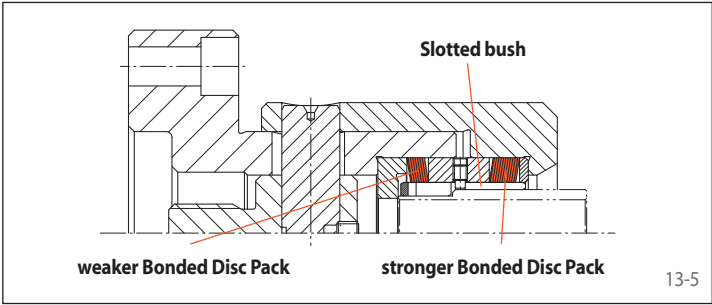


Direct Differential Bonded Disc Pack Flange Chuck

for clamping components with two different clamping diameters.

Functional principle:

The weaker Bonded Disc Pack is raised first. It centres the component and presses it against the backstop surface for alignment. Only then does the stronger Bonded Disc Pack centre the component at the second clamping point.



Indirect Differential Bonded Disc Pack Flange Chuck

for clamping components with two different clamping diameters on sensitive surface.

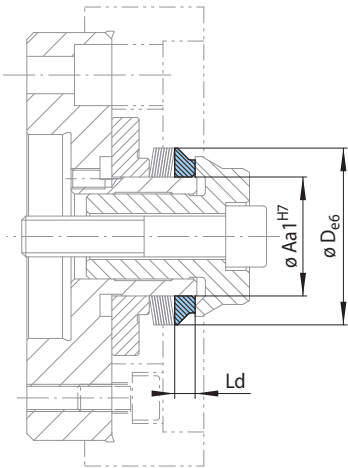
Functional principle:

The weaker Bonded Disc Pack is raised first. It centres the component and presses it against the backstop surface for alignment. Only then does the stronger Bonded Disc Pack centre the component at the second clamping point. By changing the slotted bush different components can be clamped.

Component thrust ring  
for setup of Bonded Disc Pack Flange Mandrels



Thrust ring



31-1

| for size | Aa1 | D*        | Ld | Art.-No. |
|----------|-----|-----------|----|----------|
|          | mm  | mm        | mm | 1116-    |
| LBDF 11  | 11  | 18 - 22   | 5  | 011001   |
| LBDF 15  | 15  | 22 - 27   | 5  | 015001   |
|          | 15  | 27 - 32   | 5  | 015002   |
|          | 15  | 32 - 37   | 5  | 015003   |
| LBDF 20  | 20  | 32 - 37   | 5  | 020001   |
|          | 20  | 37 - 42   | 5  | 020002   |
| LBDF 25  | 25  | 37 - 42   | 5  | 025001   |
|          | 25  | 42 - 47   | 5  | 025002   |
| LBDF 30  | 30  | 42 - 47   | 6  | 030001   |
|          | 30  | 47 - 52   | 6  | 030002   |
| LBDF 35  | 35  | 47 - 52   | 6  | 035001   |
|          | 35  | 52 - 57   | 6  | 035002   |
| LBDF 40  | 40  | 52 - 57   | 6  | 040001   |
|          | 40  | 57 - 62   | 6  | 040002   |
| LBDF 45  | 45  | 57 - 62   | 6  | 045001   |
|          | 45  | 62 - 67   | 6  | 045002   |
| LBDF 50  | 50  | 67 - 70   | 6  | 050002   |
|          | 50  | 70 - 75   | 6  | 050003   |
|          | 50  | 75 - 80   | 6  | 050004   |
| LBDF 60  | 60  | 80 - 85   | 6  | 060001   |
|          | 60  | 85 - 90   | 6  | 060002   |
| LBDF 70  | 70  | 90 - 95   | 6  | 070001   |
|          | 70  | 95 - 100  | 6  | 070002   |
| LBDF 80  | 80  | 100 - 105 | 8  | 080001   |
|          | 80  | 105 - 110 | 8  | 080002   |
| LBDF 90  | 90  | 110 - 115 | 8  | 090001   |
|          | 90  | 115 - 120 | 8  | 090002   |
| LBDF 100 | 100 | 120 - 125 | 8  | 100001   |
|          | 100 | 125 - 130 | 8  | 100002   |
|          | 100 | 130 - 140 | 8  | 100004   |

\* Clamping diameter from > up to ≤ adjustable to two places after the decimal point • ø Dε6 for thrust ring and disc / bonded disc pack has to manufactured in same nominal dimensions.