

Clamping Elements Disc Elements KAF

for customer assembled Disc Element Clamping Chucks
for setup to different clamping diameters within a given size



40-1

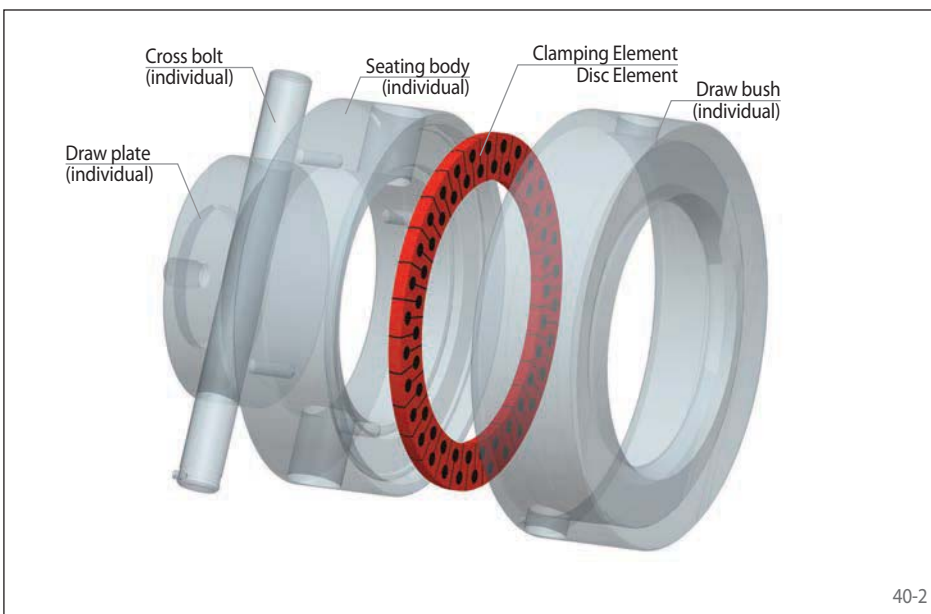
Features

- For clamping diameters from 140 mm to 550 mm
- True running accuracy $\leq 0,02$ mm
- Permissible component tolerance up to IT11
- Short clamping length
- Extended insertion depth
- Pull-back possible
- Rubberized slots in the Disc Element

Configuration

The Clamping Element Disc Element is an adaptation of the Clamping Element Bonded Disc Pack for large clamping diameters.

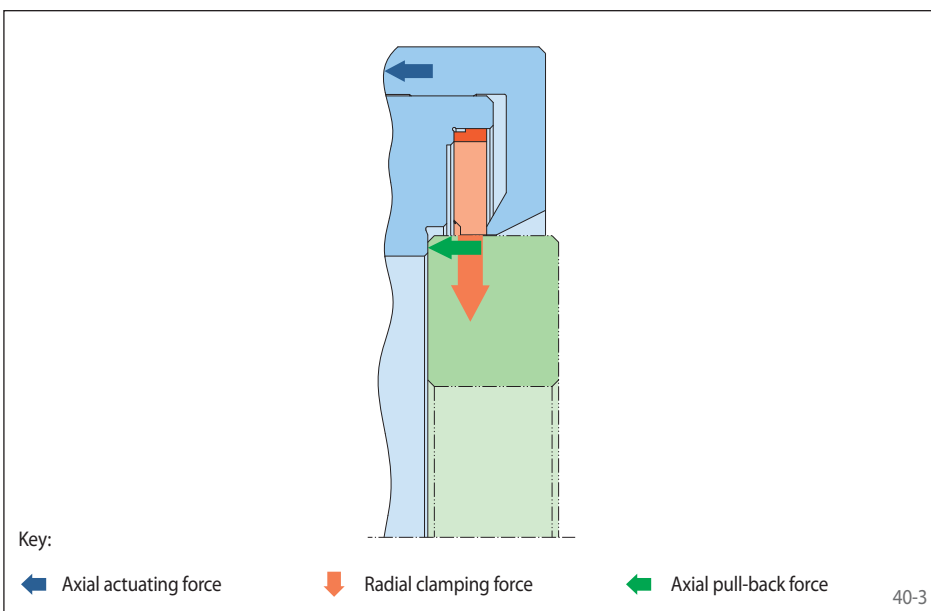
Disc Element Clamping Chucks are produced individually in accordance with customer specifications. To order this fixture, please complete the questionnaire on page 119 and send it to us.



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Clamping principle

The Disc Element sits pre-loaded in the seating diameter of the seating body. For clamping, the Disc Element is elastically deformed by an axial actuating force. The component is centred, pressed against the backstop and aligned flush.



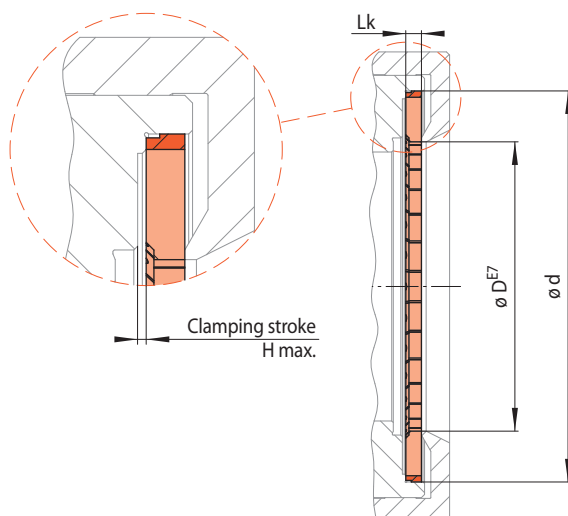
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Size KAF ... d mm	Achievable clamping diameter D* mm	Maximum diameter change** ΔD mm	Max. transmissible torque*** M ¹⁾ Nm	Max. Actuating force with pull-back action Fm N	Max. Actuating force without pull-back action Fo N	H max. *** mm	Lk mm	Art.-No. 1195-
200	140 - 150	0,36	1 300	51 000	33 000	1,8	8,5	200691
212	150 - 160	0,38	1 550	55 000	35 500	1,9	8,5	212691
224	160 - 170	0,40	1 750	60 000	39 000	2,0	8,5	224691
236	170 - 180	0,40	2 000	62 500	40 000	2,1	10,0	236691
250	180 - 190	0,42	2 300	67 500	43 000	2,2	10,0	250691
265	190 - 200	0,46	2 600	71 500	45 500	2,4	10,0	265691
280	200 - 212	0,50	2 800	76 000	48 500	2,6	10,0	280691
300	212 - 224	0,57	3 200	82 000	52 500	2,8	12,5	300691
315	224 - 236	0,60	3 700	88 500	57 000	3,0	12,5	315691
335	236 - 250	0,63	4 100	91 500	58 500	3,2	12,5	335691
355	250 - 265	0,66	4 600	96 500	61 500	3,4	12,5	355691
375	265 - 280	0,70	5 200	103 000	65 500	3,7	16,0	375691
400	280 - 300	0,72	5 800	106 500	67 500	3,9	16,0	400691
425	300 - 315	0,80	6 800	118 000	74 000	4,3	16,0	425691
450	315 - 335	0,90	7 500	124 500	74 000	4,9	16,0	450691
475	335 - 365	0,90	8 500	129 000	78 500	4,9	18,0	475691
500	365 - 400	0,90	10 000	151 500	96 000	4,9	18,0	500691
525	400 - 425	0,90	12 100	175 000	114 500	4,4	18,0	525691
550	425 - 450	0,90	13 500	186 000	121 500	4,4	18,0	550691
575	450 - 475	0,90	15 000	196 500	128 500	4,4	18,0	575691
600	475 - 500	0,90	17 000	207 500	136 000	4,4	18,0	600691

* Clamping diameter adjustable to two places after the decimal point • ** of the clamping diameter of the Clamping Element.

*** Clamping stroke H max. describes the load limit of the Clamping Element while activation without component.

Example for ordering

Please indicate the size of the Clamping Element and the clamping diameter of your component, including component tolerance, in your order:

Size: KAF 300
Clamping diameter: 220,47 mm
Component tolerance: h6

➔ KAF 300-220,47h6

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