

Clamping Elements Basket Elements KOF

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



38-1

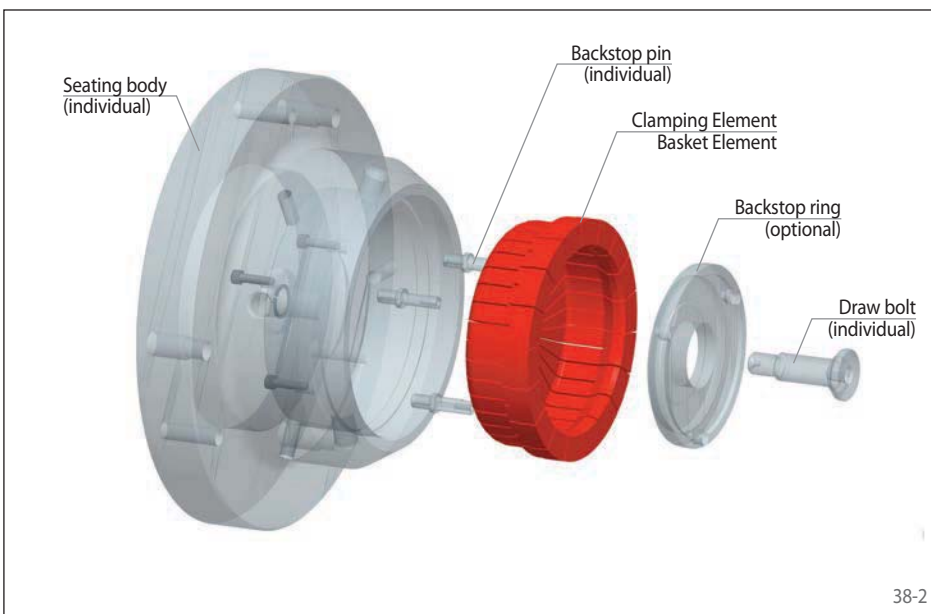
Features

- For clamping diameters from 40 mm to 340 mm
- High true running accuracy $\leq 0,01$ mm
- Permissible component tolerance IT11 up to IT13
- Short clamping fixture length
- Short clamping length
- Pull-back against individually designed internal backstop ring or backstop pins and external backstop surface
- Hand clamping optional possible
- Rubberized slots in the Basket Element

Configuration

The Clamping Element Basket Element is a adaptation from the Flat Element for extended insertion depths, e.g. when a backstop ring mounted on the backstop pin is used.

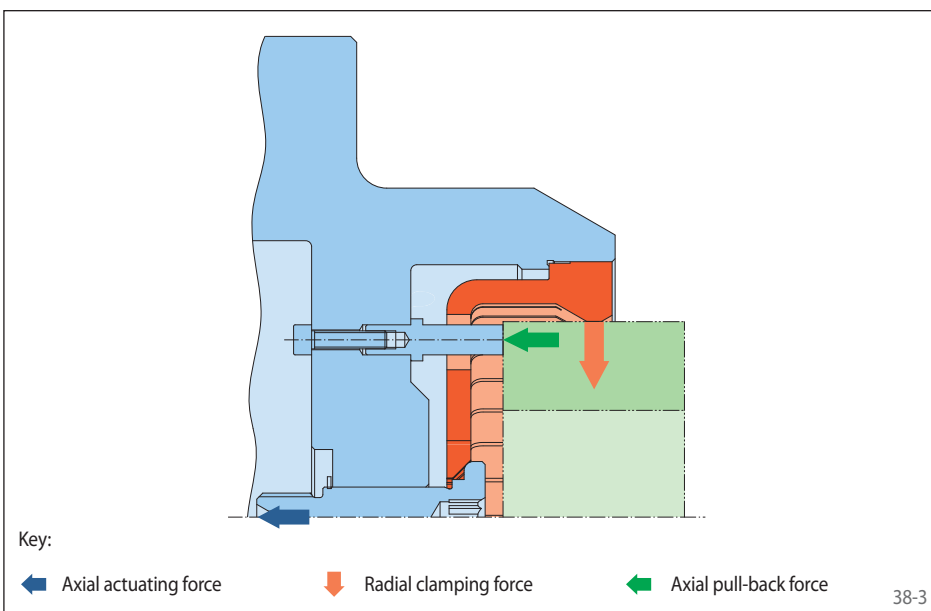
Basket Element Clamping Chucks are produced individually in accordance with customer specifications. To order this fixture, please complete the questionnaire on page 119 and send it to us.



38-2

Clamping principle

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



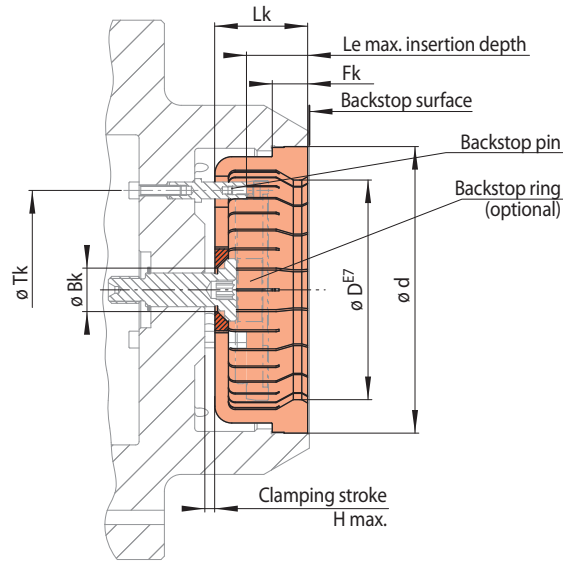
38-3

Edmayr Antriebstechnik GmbH
Thalham 20, 4880 St. Georgen im Attergau
Tel.: +43 7667 6840 Fax: +43 7667 20070
office@edmayr.at www.edmayr.at

Clamping Elements Basket Elements KOF

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

EDMAYR
ANTRIEBSTECHNIK



39-1

Size KOF ...	Achievable clamping diameter	Maximum diameter change**	Max. transmissible torque***	Max. Actuating force***	Bk	Fk	H max. ****	Le max.	Lk	Tk	Y *****	Art.-No.
d mm	D* mm	Δ D mm	M ¹⁾ Nm	F N	mm	mm	mm	mm	mm	mm		1191-
62	40 - 45	0,18	98 - 120	7350	17	7	2,8	16,5	23	36,5	4	062002
70	45 - 52	0,20	120 - 135	7350	17	8	3,1	18,5	25	40,5	4	070002
80	52 - 62	0,23	135 - 165	7350	17	10	3,6	20,5	27	47	4	080002
90	62 - 72	0,26	225 - 250	8850	17	10	4,0	23	30	55	4	090002
100	72 - 80	0,27	440 - 490	12750	22	10	4,6	26	34	62	4	100002
110	80 - 90	0,27	540 - 610	12750	22	10	5,0	28	36	70	4	110002
120	90 - 100	0,27	650 - 720	12750	22	10	5,4	28	36	80	4	120002
130	100 - 110	0,30	690 - 780	12750	22	11	5,8	28	36	90	4	130002
140	110 - 120	0,33	780 - 880	13250	22	12	6,2	28	36	100	3	140002
155	120 - 130	0,36	1700 - 1850	22550	26	13	7,8	38	48	108	3	155002
170	130 - 140	0,40	1800 - 1950	22550	26	14	8,8	38	48	118	3	170002
185	140 - 155	0,46	1800 - 2000	22550	26	14	9,3	38	48	128	3	185002
200	155 - 170	0,50	2000 - 2200	22550	26	15	9,6	38	48	141	3	200002
220	170 - 190	0,56	2100 - 2350	22550	26	15	10,0	38	48	154	3	220002
240	190 - 210	0,60	2400 - 2650	22550	26	16	11,0	38	48	173	4	240002
260	210 - 230	0,66	2650 - 2850	22550	26	16	12,6	48	58	193	4	260002
280	230 - 250	0,73	3050 - 3350	22550	26	16	14,3	48	58	213	4	280002
300	250 - 270	0,74	4600 - 4900	31400	27	18	12,0	48	58	233	4	300002
325	270 - 290	0,80	4900 - 5200	31400	27	18	12,5	48	59	252	6	325002
350	290 - 315	0,85	5100 - 5600	31400	27	20	14,0	48	59	272	6	350002
375	315 - 340	0,90	5600 - 6000	31400	27	20	15,0	48	59	297	6	375002

* Clamping diameter adjustable to two places after the decimal point ** of the clamping diameter of the Clamping Element. *** for clamping with pull-back action.

**** Clamping stroke H max. describes the load limit of the Clamping Element while activation without component. ***** Y = Number of long holes in the Basket Clamping Element on pitch circle diameter Tk

¹⁾ The lower value refers to the smallest clamping diameter of the respective size, the higher value to the largest. For values between the two can be determined through interpolation.

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: KOF 70
Clamping diameter: 50,47 mm
Component tolerance: h6

➔ KOF 70-50,47h6

Maximum speed in rpm

Basket Elements may be used up to a max. speed of 1000 min⁻¹.

EDMAYR ANTRIEBSTECHNIK GmbH

Thalham 20
A-4880 St. Georgen im Attergau

Tel.: +43 7667 6840
Fax: +43 7667 20070

www.edmayr.at
office@edmayr.at

