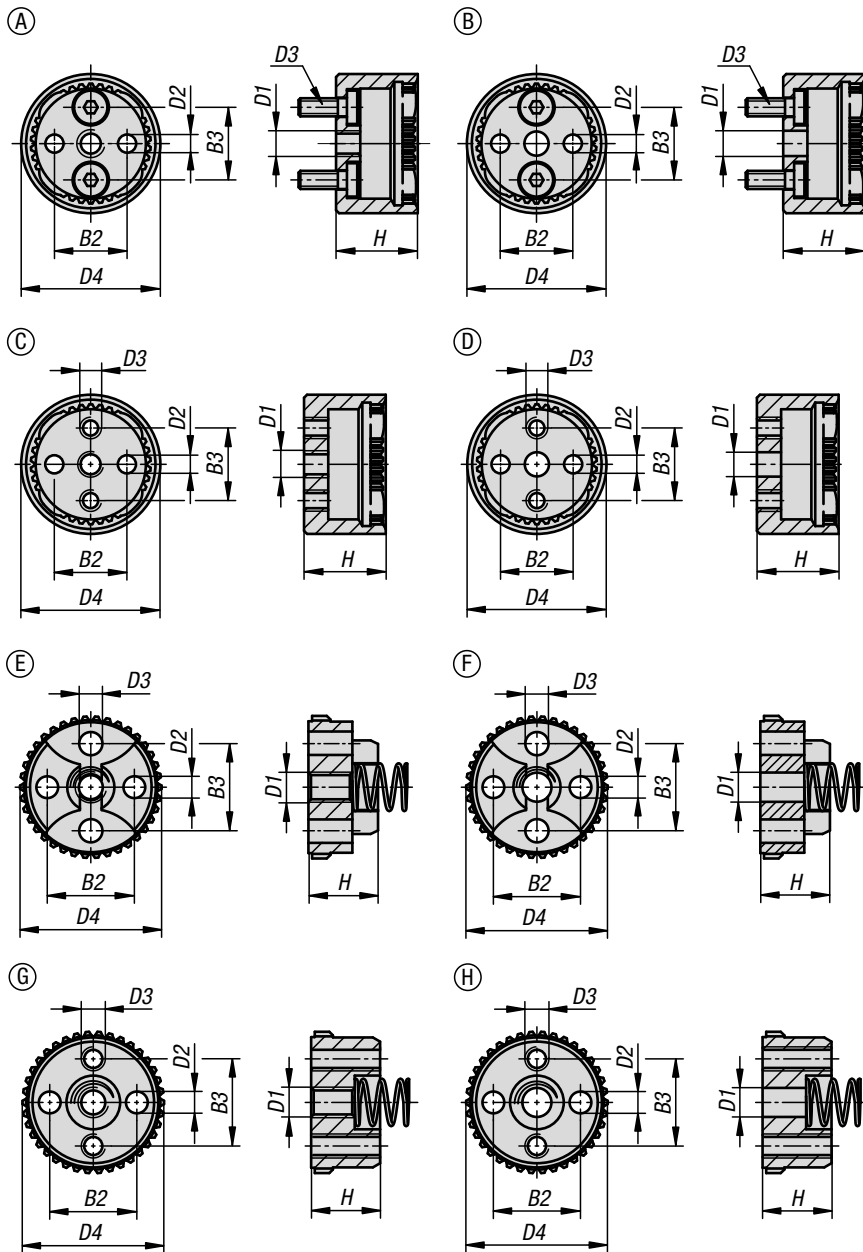


## Ratchet elements

steel or stainless steel



Ratchet elements are used to connect two components together in any angular position with a positive fit. The ratchet elements with internal tothing (Forms A–D) can be combined with the ratchet elements with external tothing (Forms E–H) in any way depending on the application and installation possibilities. The springs mean that a new angular position can be quickly implemented.

**Material:**

Ratchet element steel 1.0718 or stainless steel 1.4305.  
Spring stainless steel 1.4310.  
Cap screws steel or stainless steel A 2.

**Version:**

Ratchet element black oxidised steel or bright stainless steel.  
Spring bright.  
Cap screw blackened steel grade 8.8 or bright A2-70 stainless steel.

**Sample order:**

K1446.12338

**Note for ordering:**

2 cap screws M3x8 or M5x10 are supplied with the internal toothed ratchet elements Forms A and B.  
A stainless steel spring is supplied with the external toothed ratchet elements Forms E to H.

**Note:**

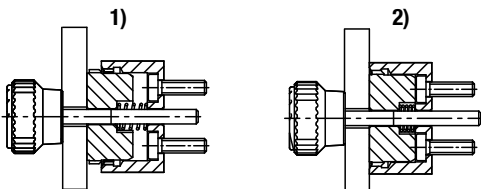
Use DIN 7984 low headed cap screws for fastening the Form A and B ratchet elements.

**Function:**

The ratchet elements are used for rotary adjustment of components. Fastening options can be arranged according to the application.

**Accessories:**

DIN 912/DIN EN ISO 4762 cap screws  
DIN 6912 cap screws



**Drawing reference:**

- Form A: internal tothing, centre tapped hole, 2x counterbores for low headed cap screws, 2x reamed holes
- Form B: internal tothing, centre through bore, 2x counterbores for low headed cap screws, 2x reamed holes
- Form C: internal tothing, centre tapped hole, 2x tapped holes for fastening, 2x reamed holes
- Form D: internal tothing, centre through bore, 2x tapped holes for fastening, 2x reamed holes
- Form E: external tothing, centre tapped hole, 2x counterbores for cap screws, 2x reamed holes
- Form F: external tothing, centre through bore, 2x counterbores for cap screws, 2x reamed holes
- Form G: external tothing, centre tapped hole, 2x tapped holes, 2x reamed holes
- Form H: external tothing, centre through bore, 2x tapped holes, 2x reamed holes

- 1) disengaged
- 2) engaged

## KIPP Ratchet elements steel or stainless steel

Order No.	Form	Main material	B2	B3	D1	D2	D3= Cap screw DIN 7984	D4	H	No. of teeth
K1446.12338	A	steel	12	12	M4	3H8	M3	23	13,5	38
K1446.13346	A	steel	18	18	M6	5H8	M5	33	19,5	46
K1446.112338	A	stainless steel	12	12	M4	3H8	M3	23	13,5	38
K1446.113346	A	stainless steel	18	18	M6	5H8	M5	33	19,5	46

Order No.	Form	Main material	B2	B3	drill Ø D1	D2	D3= Cap screw DIN 7984	D4	H	No. of teeth
K1446.22338	B	steel	12	12	4,2	3H8	M3	23	13,5	38
K1446.23346	B	steel	18	18	6,2	5H8	M5	33	19,5	46
K1446.122338	B	stainless steel	12	12	4,2	3H8	M3	23	13,5	38
K1446.123346	B	stainless steel	18	18	6,2	5H8	M5	33	19,5	46

Order No.	Form	Main material	B2	B3	D1	D2	D3	D4	H	No. of teeth
K1446.32338	C	steel	12	12	M4	3H8	M3	23	13,5	38
K1446.33346	C	steel	18	18	M6	5H8	M5	33	19,5	46
K1446.132338	C	stainless steel	12	12	M4	3H8	M3	23	13,5	38
K1446.133346	C	stainless steel	18	18	M6	5H8	M5	33	19,5	46

Order No.	Form	Main material	B2	B3	drill Ø D1	D2	D3	D4	H	No. of teeth
K1446.42338	D	steel	12	12	4,2	3H8	M3	23	13,5	38
K1446.43346	D	steel	18	18	6,2	5H8	M5	33	19,5	46
K1446.142338	D	stainless steel	12	12	4,2	3H8	M3	23	13,5	38
K1446.143346	D	stainless steel	18	18	6,2	5H8	M5	33	19,5	46

Order No.	Form	Main material	B2	B3	D1	D2	D3	D4	H	No. of teeth
K1446.52338	E	steel	12	12	M4	3H8	3,2	23	9,5	38
K1446.53346	E	steel	18	18	M6	5H8	5,3	33	13	46
K1446.152338	E	stainless steel	12	12	M4	3H8	3,2	23	9,5	38
K1446.153346	E	stainless steel	18	18	M6	5H8	5,3	33	13	46

Order No.	Form	Main material	B2	B3	drill Ø D1	D2	D3	D4	H	No. of teeth
K1446.62338	F	steel	12	12	4,2	3H8	3,2	23	9,5	38
K1446.63346	F	steel	18	18	6,2	5H8	5,3	33	13	46
K1446.162338	F	stainless steel	12	12	4,2	3H8	3,2	23	9,5	38
K1446.163346	F	stainless steel	18	18	6,2	5H8	5,3	33	13	46

Order No.	Form	Main material	B2	B3	D1	D2	D3	D4	H	No. of teeth
K1446.72338	G	steel	12	12	M4	3H8	M3	23	9,5	38
K1446.73346	G	steel	18	18	M6	5H8	M5	33	13	46
K1446.172338	G	stainless steel	12	12	M4	3H8	M3	23	9,5	38
K1446.173346	G	stainless steel	18	18	M6	5H8	M5	33	13	46

Order No.	Form	Main material	B2	B3	drill Ø D1	D2	D3	D4	H	No. of teeth
K1446.82338	H	steel	12	12	4,2	3H8	M3	23	9,5	38
K1446.83346	H	steel	18	18	6,2	5H8	M5	33	13	46
K1446.182338	H	stainless steel	12	12	4,2	3H8	M3	23	9,5	38
K1446.183346	H	stainless steel	18	18	6,2	5H8	M5	33	13	46