



APPLICATION

Optimized for 5-axis machining.

TYPE

Clamping system mechanical-mechanical with power transmitter, manually operated.
Centric clamping with two moving jaws.

CUSTOMER BENEFITS

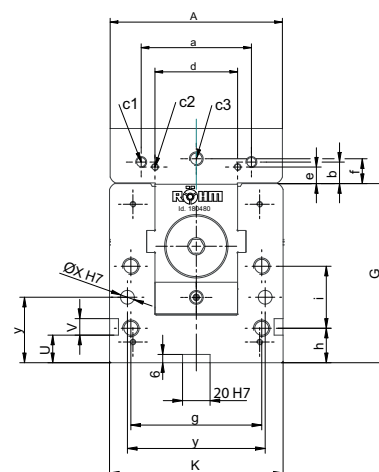
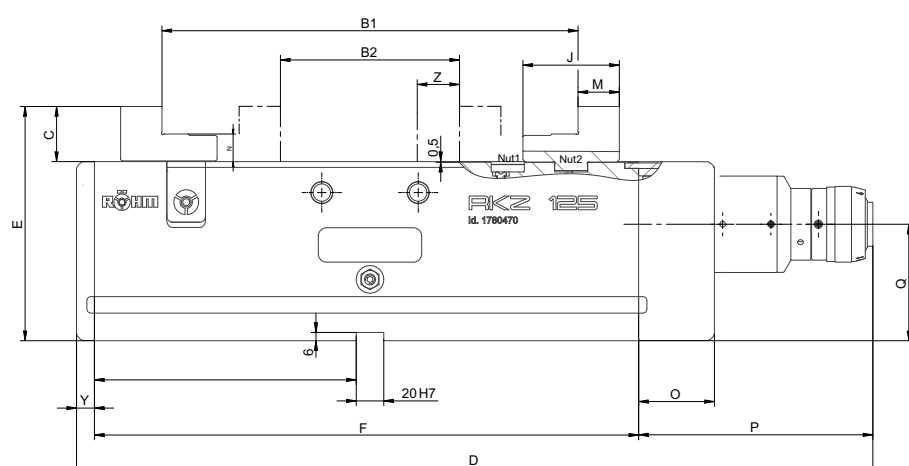
- ② Horizontal, vertical or side mounting
- ② High repeatability and constant clamping force
- ② Clamping accuracy at the centre: ± 0.01 - clamping repeatability: 0.01
- ② The clamping thread of the spindle is protected from dirt and chips in every basic jaw position
- ② With grease nipples installed on both sides, that all guides and the spindle thread can be lubricated quickly and easily

TECHNICAL FEATURES

- Steel body as well as all guides hardened and ground on all sides
- Standard-equipped with stepped top jaws
- Vice fastening only possible with clamping claws

A32
RKZ, with stepped jaws

Item no.	180470
Jaw width A mm	125
B1 slot 1 mm	112-206
B1 slot 2 mm	204-298
B2 slot 1 mm	32-126
B2 slot 2 mm	124-218
C mm	40
D mm	578
E mm	170
F mm	395
G-0,02 mm	130
J mm	70
K mm	126
M mm	30
N-0,01 mm	20
O mm	55
P mm	170
Q mm	84,5
T-0,02 mm	37,5
U mm	20
V mm	12
W mm	46
X x depth	10 H7 x 12
Y mm	12
Stroke Z mm	50
a mm	80
b mm	15,6
c1	M8x14
c2	M5x10
c3	M10x18
d mm	60
e mm	12
f mm	18
g mm	95
h mm	25
i mm	45
l-0,02 mm	190
y $\pm$ 0,01 mm	47,5
z mm	100
Clamping force kN	40
Weight kg	50,5



Accessories RKZ

A37

Stepped jaws SB, reversible, with fixing screws

Item no.	Contents of delivery	Width mm	Height mm
162631	set	125	40



A37

Raised stepped jaws ESB

Item no.	Contents of delivery	Size	Width mm	Height mm
164399	set	125	125	60



A37

Double V-jaw, reversible, with fine step, for jaw dimensions of the double V-jaws please see page 4065!

Item no.	Contents of delivery	Size	Width mm	Height mm	Length mm	Size prism mm	Clamping dia. D1 mm		Clamping dia. D2 mm	
							slot 1	slot 2	slot 1	slot 2
169756	set	125	125	84,5	86	56	15-40	-	30-92**	89-105



A37

Standard jaws SGN, one side smooth, one side grooved, hardened and ground

Item no.	Contents of delivery	Size	Width mm	Height mm
158897	set	125	125	39,7



A37

Standard jaws finely checkered SGNf, reversible, to increase the specific contact pressure (higher holding forces), one side finely checkered, one side longitudinally grooved

Item no.	Contents of delivery	Size	Width mm	Height mm
163225	set	125	125	39,7



Accessories RKZ

A37

V-jaw PB, horizontal and vertical



Item no.	Contents of delivery	Size	Width mm	Height mm	Thickness mm	Height prism mm	Chuck capacity mm	
							horizontal	vertical
158641	set	125	125	40	20	24	15-40	18-60

A37

Claw jaws with fine step, 2.5 mm clamping depth



Item no.	Contents of delivery	Size	Width mm	Height mm	Thickness mm
166520	set	125	125	40	16

A37

Claw jaws without step, universal for clamping depth >2.5 mm



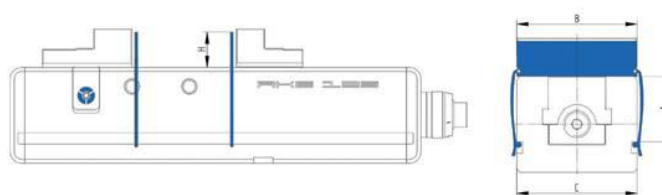
Item no.	Contents of delivery	Size	Width mm	Height mm	Thickness mm
166667	set	125	125	40	16

A37

Support rails Cliparc, set with 10 different pairs of rails and 4 clamps in wooden box



Item no.	Web height A	Jaw width B mm	Rail height H	Spare clamp (Set = 4 pieces)
1295915	98	125	10/15/20/25/28/30/33/35/36/37	1295918



A37

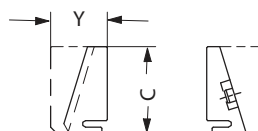
Draw-down jaws RNG, with two permanent magnets



Item no.	Contents of delivery	Size	Width mm	Height mm
159227	set	125	125	39,5

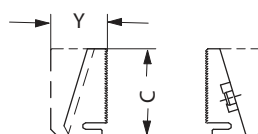
Accessories RKZ

A37

Standard insert RNS, held by two permanent magnets


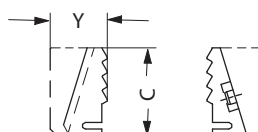
Item no.	Contents of delivery	Size	Width mm	C mm	Y mm
159232	set	125	125	40	26

A37

Standard insert finely checkered RNSf, held by two permanent magnets


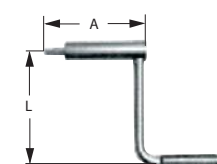
Item no.	Contents of delivery	Size	Width mm	C mm	Y mm
163267	set	125	125	40	26

A37

Claw insert RNK, held by two permanent magnets


Item no.	Contents of delivery	Size	Width mm	C mm	Y mm
159235	set	125	125	40	26

A37

Hand crank, turnable handle, hexagon socket


Item no.	Contents of delivery	Size	Hexagon	A mm	L mm
134600	piece	125/160/200	14	104	160

Accessories RKZ

A37 Angle drive



Item no.	Contents of delivery	Size	A mm	B mm	C mm
159015	piece	125	190	110	98

A37 Single clamp SPE, for mounting vices on end and on the base



Item no.	Contents of delivery	T-slot	Thread
149121	piece	12	M10x50
149122	piece	14	M12x55
149123	piece	16	M12x60
149124	piece	18	M16x60
155722	piece	20	M16x65
151507	piece	22	M16x65

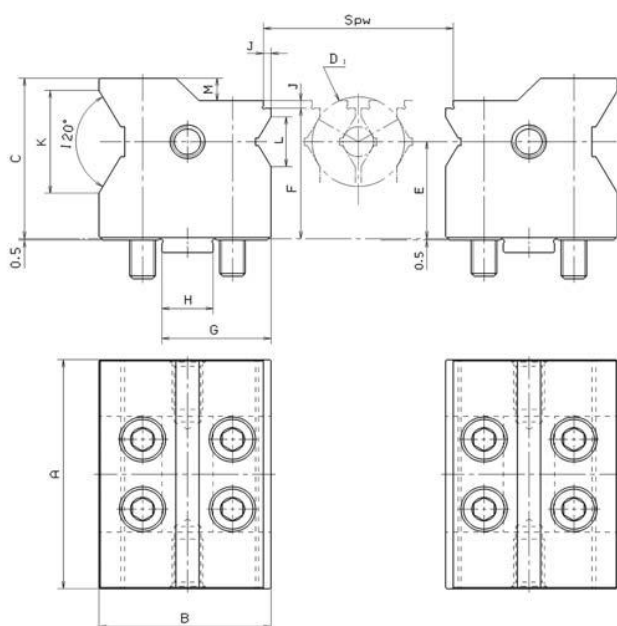
A37 Fixed slot nuts NTS, hardened and ground, with fixing screw



Item no.	Contents of delivery	Size	Length mm
014823	set	20x12	22
014825	set	20x14	25
014827	set	20x16	25
014829	set	20x18	25
014831	set	20x20	22
014833	set	20x22	32

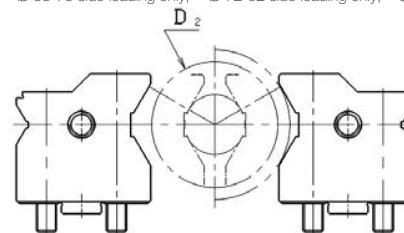
Jaw dimensions

Double V-jaw, reversible, with fine step



Item no.	169756
Contents of deliveries	set
Size A	125
B	86
C	84,5
D1	Groove 1 15-40
	Groove 2 -
D2	Groove 1 30-92**
	Groove 2 89-105
E	54
F	69,5
G	51,5
H	24
J	3
K	56
L	22,6
M	12
Clamping capacity ¹⁾	7-186

* Ø 63-75 side loading only; ** Ø 72-92 side loading only; ¹⁾ Clamping range example RKZ-M



RKZ-M



APPLICATION

Optimized for 5-axis machining.

TYPE

Clamping system mechanical without power transmitter, manually operated.
Centric clamping with two moving clamping jaws.

CUSTOMER BENEFITS

- ② Short, compact design
- ② Large clamping stroke
- ② Constant clamping force for every clamping operation and high clamping repeatability when a torque wrench is used
- ② Clamping accuracy at the centre: ± 0.02 - clamping repeatability: 0.01

TECHNICAL FEATURES

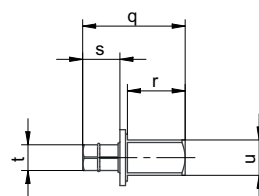
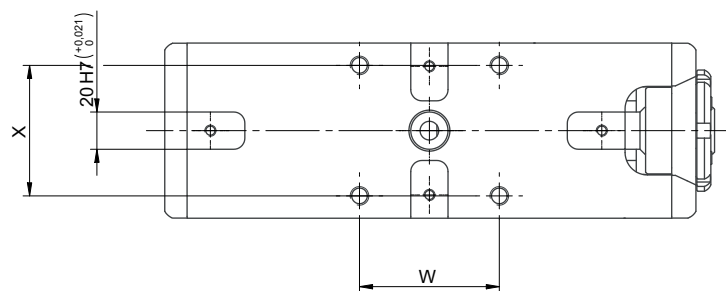
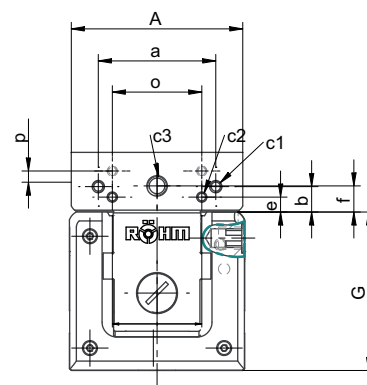
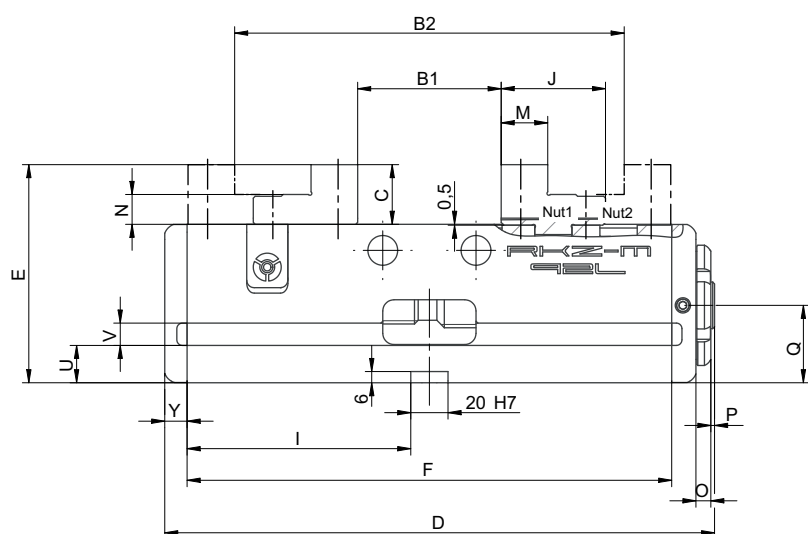
- Steel body as well as all guides hardened and ground on all sides
- Standard-equipped with stepped top jaws

A32
RKZ-M, with stepped jaws

NC-Compact self centering vices RKZ-M

Item no.	180190	180191	180192	180193
Jaw width A mm	50	70	92	125
B1 slot 1 mm	0-39	0 - 58	0 - 76	0 - 97
B1 slot 2 mm	36-75	48-106	70-146	92-189
B2 slot 1 mm	37-75	48-105	78-138	81-177
B2 slot 2 mm	72-111	95-153	132-208	172-269
C mm	20	25	32	40
Dmax mm	167	219	295	366
E mm	75	95	117	145
F mm	140	190	260	330
G-0,02 mm	55	70	85	105
J mm	32	41	56	70
K mm	52	72	94	126
M mm	14	17,5	25	30
N-0,01 mm	10	12	16	20
O mm	10	10	13	13
P mm	1	1	2	2
Q mm	31	40	41,5	53
U mm	15	20	20	20
V mm	12	12	12	12
W mm	18	24	35	46
Y mm	10	10	12	13
Z mm	20,5	30	39	49,5
a mm	-	-	63	80
b mm	-	-	13,6	15,6
c1	-	-	M6x10	M8x14
c2	M 4 x 8	M 5 x 8	M5x8	M5x8
c3	-	-	M10x16	M10x18
c4	M3x6	M4x8	M5x8	M5x8
d mm	26	37	48	60
e mm	5	6	8	12
f mm	-	-	14	18
l mm	60	85	120	155
o mm	32	52	55	55
p mm	3,5	4,5	6	6
q mm	38	52	55	55
r mm	20	30	32	32
s mm	15	19	20	20
t mm	6 kt-SW 8	6 kt-SW 10	6 kt-SW 14	6 kt-SW 14
u mm	4 kt-SW 12	4 kt-SW 14	4 kt-SW 19	4 kt-SW 19
Clamping force kN	10	15	20	25
Weight kg	3,5	7	18	32,5

RKZ-M



Accessories RKZ-M

A37

Stepped jaws SB, reversible, with fixing screws

Item no.	Contents of delivery	Size	Width mm	Height mm
164864	set	50	50	20
164844	set	70	70	25
161831	set	92	92	32
162631	set	125	125	40



A37

Raised stepped jaws ESB

Item no.	Contents of delivery	Size	Width mm	Height mm
164399	set	125	125	60



A37

Double V-jaw, reversible, with fine step, for jaw dimensions of the double V-jaws please see page 4070!

Item no.	Contents of delivery	Size	Width mm	Height mm	Length mm	Height prism mm	Size prism mm	Clamping dia. D1 mm		Clamping dia. D2 mm	
								slot 1	slot 2	slot 1	slot 2
169754	set	92	92	64,5	67	39	41,3	12-36	-	30-75*	-
169756	set	125	125	84,5	86	54	56	15-40	-	30-92**	89-105



A37

Standard jaws SGN, one side smooth, one side grooved, hardened and ground

Item no.	Contents of delivery	Size	Width mm	Height mm
165161	set	50	50	19,6
165163	set	70	70	24,6
162363	set	92	92	32
158897	set	125	125	39,7



A37

Standard jaws finely checkered SGNf, one side finely checkered, one side grooved, hardened and ground

Item no.	Contents of delivery	Size	Width mm	Height mm
165165	set	50	50	19,6
165167	set	70	70	24,6
163223	set	92	92	32
163225	set	125	125	39,7



A37

V-jaw PB, horizontal and vertical

Item no.	Contents of delivery	Size	Width mm	Height mm	Thickness mm	Height prism mm	Chuck capacity mm	
							horizontal	vertical
165169	set	50	50	20	10	12	6-16	6-16
165171	set	70	70	25	12	14	8-24	8-24
162365	set	92	92	32	16	19,5	12-36	12-36
158641	set	125	125	40	20	24	15-40	18-60



Accessories RKZ-M

A37

Claw jaws with fine step 2.5 mm clamping depth


Item no.	Contents of delivery	Size	Width mm	Height mm	Thickness mm
166514	set	92	92	32	14
166520	set	125	125	40	16

A37

Claw jaws without step, universal for clamping depth > 2.5 mm


Item no.	Contents of delivery	Size	Width mm	Height mm	Thickness mm
166661	set	92	92	32	14
166667	set	125	125	40	16

C15

Hand crank HKU, with octagon socket


Item no.	Contents of delivery	Size	Octagon	L
009150	piece	50	12	80
009152	piece	70	14	125
382112	piece	92	19	160
009154	piece	125	19	200

Accessories NC-Compact vices RKZ-M

A37

Drive adapter ATA


Item no.	Contents of delivery	Size	Square	Hexagon
164971	piece	50	12	8
164842	piece	70	14	10
164625	piece	92/125	19	14

A37

Single clamp SPE, for mounting vices on end and on the base


Item no.	Contents of delivery	T-slot	Thread
149121	piece	12	M10x50
149122	piece	14	M12x55
149123	piece	16	M12x60
149124	piece	18	M16x60
155722	piece	20	M16x65
151507	piece	22	M16x65

A37

Fixed slot nuts NTS, hardened and ground, with fixing screw


Item no.	Contents of delivery	Size	Length mm
014823	set	20x12	22
014825	set	20x14	25
014827	set	20x16	25
014829	set	20x18	25
014831	set	20x20	22
014833	set	20x22	32