

## The KANYA Tube Clamp System for All-Round Solutions to Problems

*With this catalogue, we are adding some new aspects to our range of tube clamps. High demand from innovative designers for simple and attractive tube clamp joints at reasonable prices has encouraged us to adapt our range to the new market requirements. Major advances have been made, particularly in the field of adjustable clamps. As usual with the KANYA range, this product is also structured as a modular kit. Because they are so easy to adapt, system construction units guarantee optimal solutions to problems.*

*No matter how the tubes are joined together, KANYA always provides the right clamp. Right-angled or parallel, large tube diameter or small, fixed application or adjustable: the RVS Tube Clamp System will do the job! And don't forget – all the clamps can be combined with one another. This means that you lose nothing – absolutely nothing.*

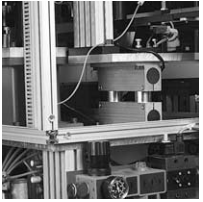


*Our current range is shown in this catalogue, which has been re-arranged and illustrated with reference material and examples. This will quickly help you to find exactly what you need to solve your particular problem. However, if the item you want does not happen to be available, we will manufacture a clamp exactly according to your requirements. We are only satisfied if you are satisfied!*

*Yours sincerely,*

*KANYA AG*

# Summary of Contents



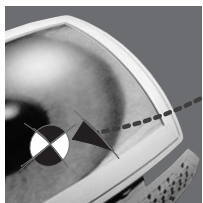
## Application Examples

Pages 4 – 7



## Clamp Joints without Flange

Pages 11 – 19



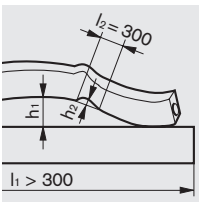
## KANYATHEK®

Page 8



## Clamp Joints with Flange

Pages 20 – 22



## Technical Data

Page 10



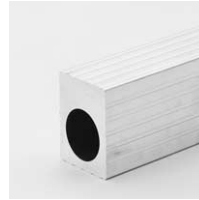
## Swivel Clamps

Pages 23 – 25



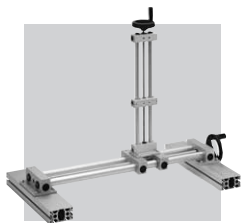
**Basic Components  
for Adjustable Units**

Pages 26 – 29



**Aluminium Extrusions**

Pages 34 – 35



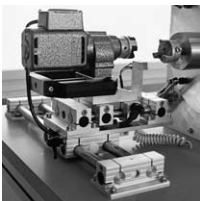
**Adjustable Units**

Pages 30 – 31



**Aluminium Tubes**

Page 36



**Applications**

Pages 32 – 33



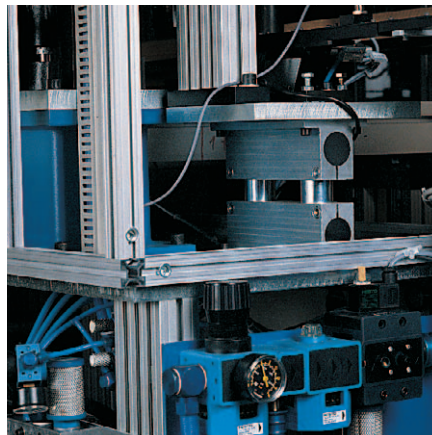
**Accessories**

Pages 37 – 42

The KANYA modular construction kit system really offers an unlimited range of applications for very special design and construction problems.

## Examples from the Field of Apparatus and Machine Construction.

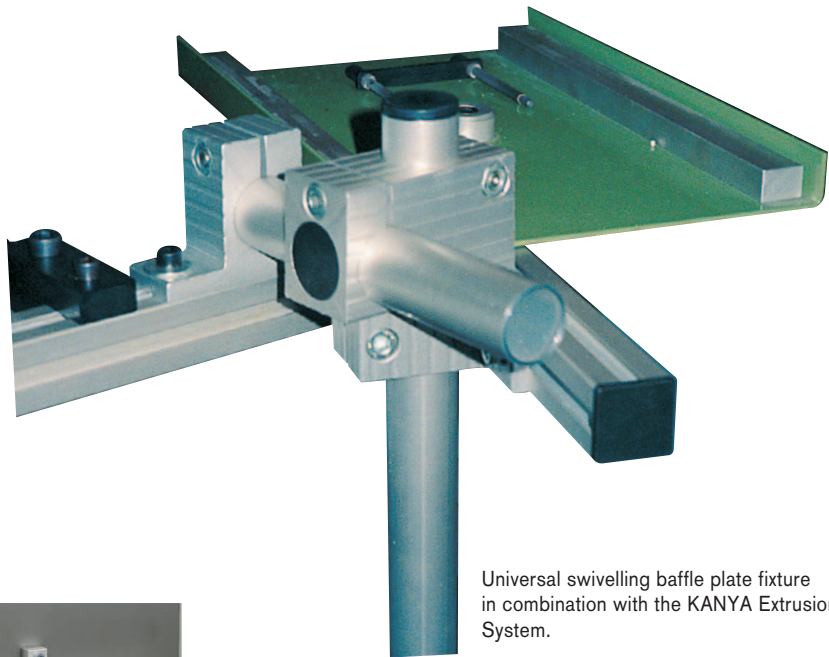
The KANYA Tube Clamp System provides creative and versatile solutions in response to a huge variety of requirements in the field of machine and apparatus construction. Perfect function combined with outstanding appearance. Innovation knows no bounds!



Handling equipment carrier with simple adjustment.



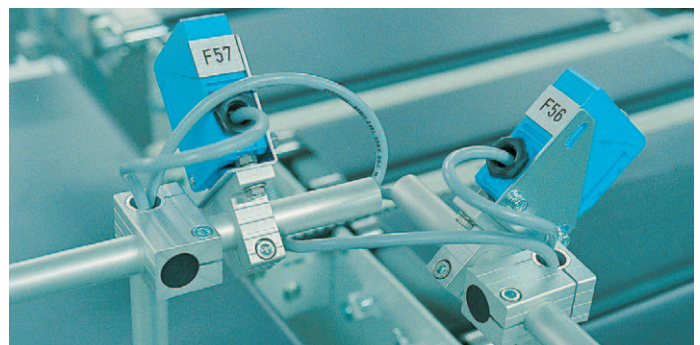
Spray fixture in a powder coating unit. The low weight of the fixture keeps the acceleration and deceleration forces down. The joints have good electrical conductivity properties.



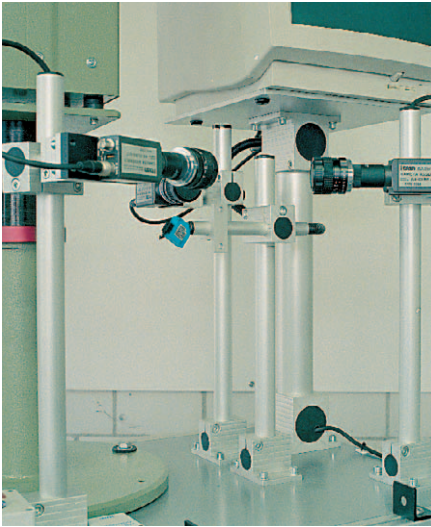
Universal swivelling baffle plate fixture in combination with the KANYA Extrusion Joint System.



Push-pull device on an equipment and storage trolley for telephone installation work.



An easily adjustable photocell fixture.



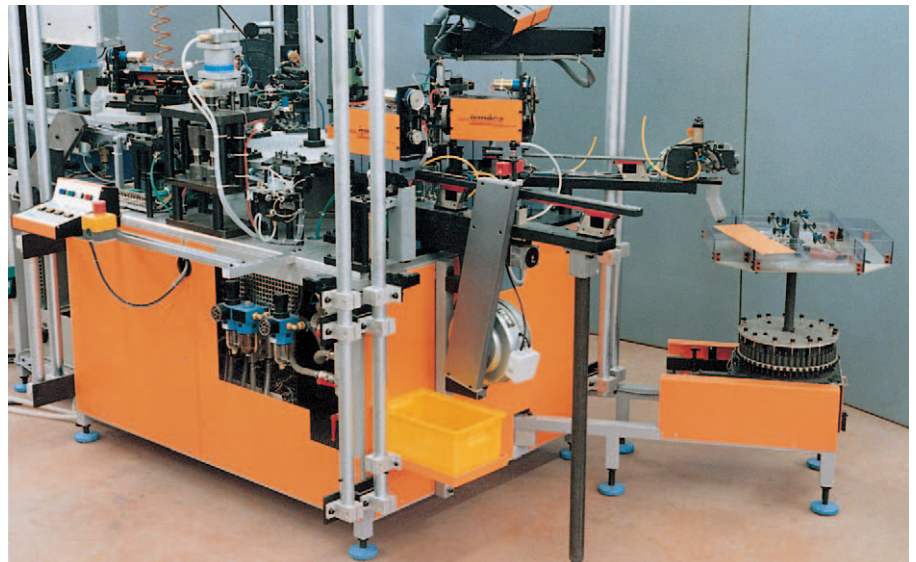
Device to hold optical test equipment



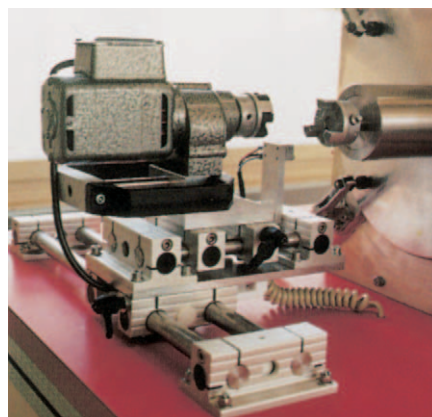
Swing arm with cable reel fixture for automatic insulating unit.



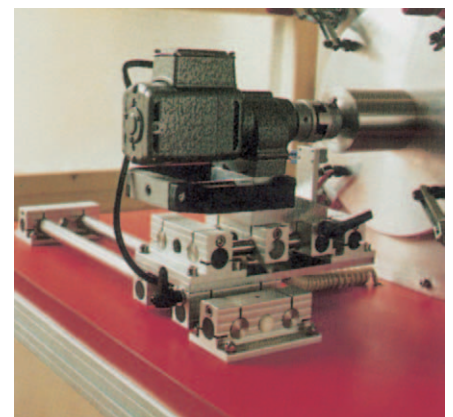
Continuously adjustable fixture for the ink jet heads on a coder.



Protective covering guide device on automatic assembly unit, with weight compensation in the aluminium tubes.



Couplable / decouplable drive on an X/Y adjustable unit for a micro-coating drum. The electric motor is in the decoupled position.

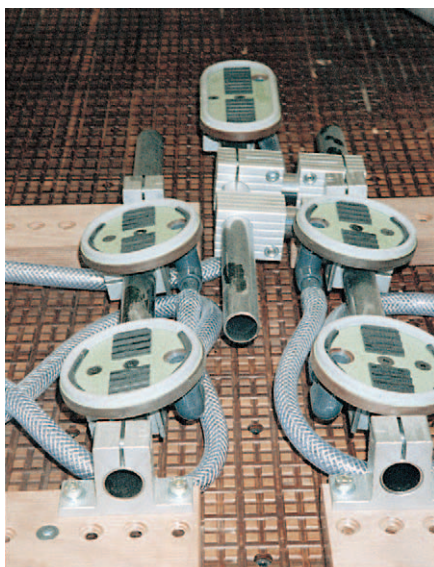


The electric motor in the coupled position.

Process engineering calls for universal simplicity and speed when equipment has to be rearranged. What could be more suitable than a well thought-out Tube Clamp System?

## Examples of Laboratory and Process Engineering Uses.

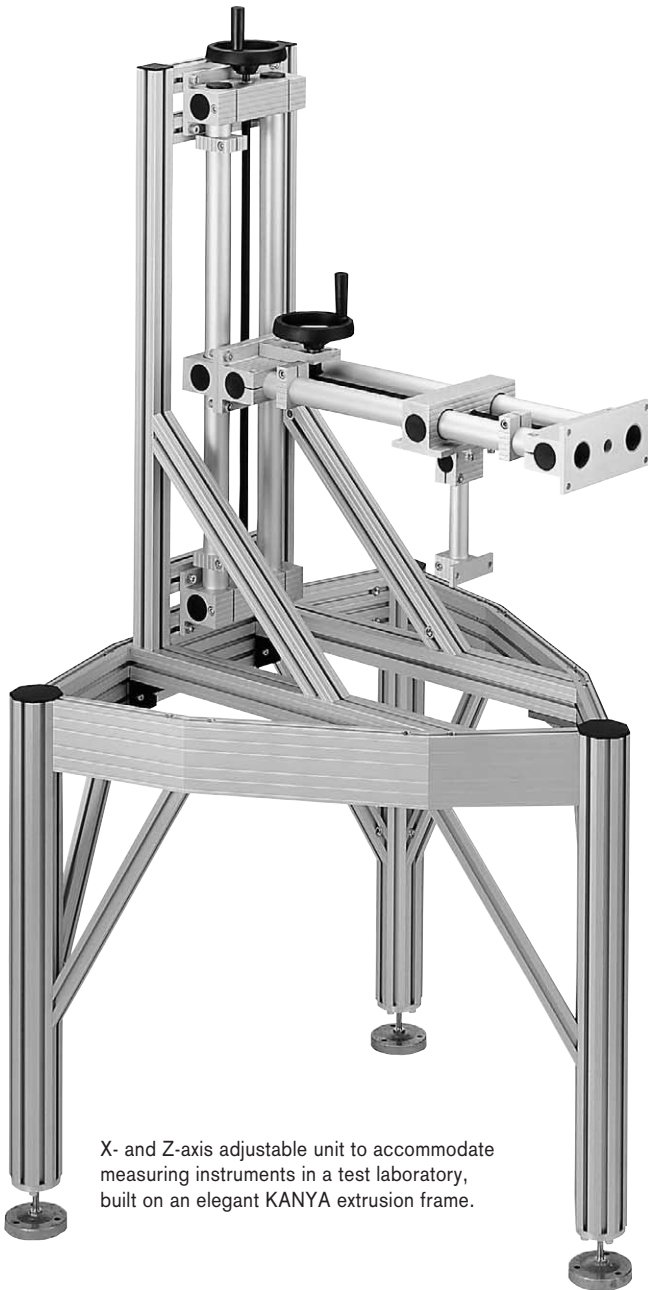
Slacken off the clamp screws, move the joint and secure it in the new position: the arrangement you want is set in place. But the Tube Clamp System's light and elegant appearance also makes it excellent for use in permanently fixed structures. Optimal stability is guaranteed thanks to the precision-made clamp joints, which are manufactured on CNC machines. KANYA will also manufacture special parts on request, and is always ready to help by providing professional advice.



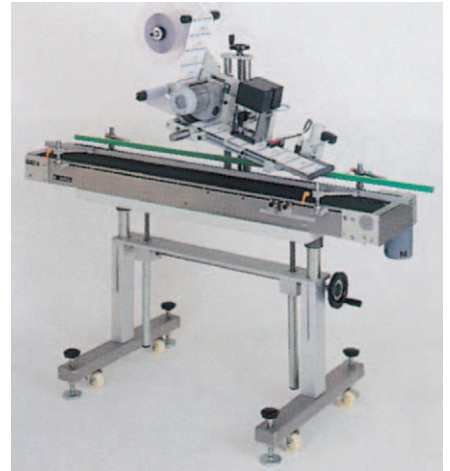
Adjustable vacuum plate to process a variety of chair backs.



Bubble column reactor for liquid / gas phase reactions, with a tempering sheath and gas absorption device.



X- and Z-axis adjustable unit to accommodate measuring instruments in a test laboratory, built on an elegant KANYA extrusion frame.



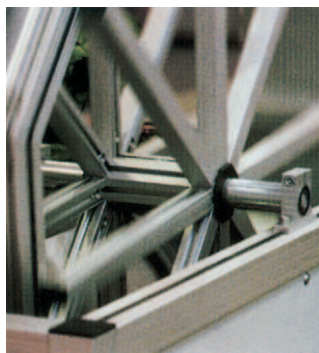
Labelling machine with swing arm for gluing.



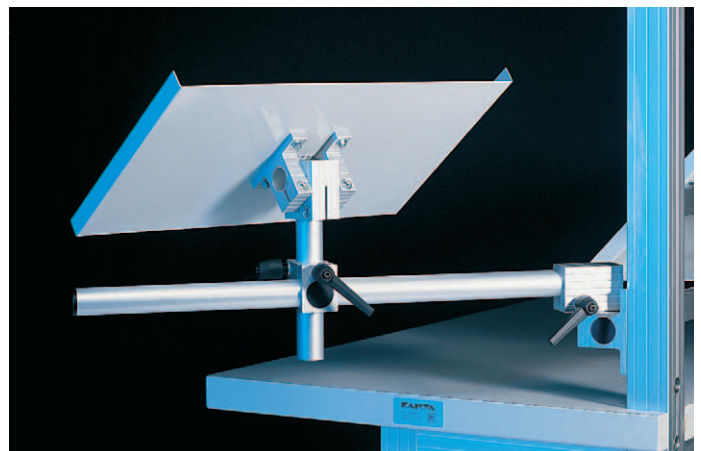
Test equipment with tube structures in a medical laboratory.



Adjustable fixture for control box.



Mounting for a spoked wheel.



Document holder with swing arm, adjustable for height and length.

# KANYATHEK®

## Use KANYATHEK(r) to view the RVS catalogue on-screen!

All the items from the RVS catalogue are contained in this program as .dwg and .dxf files. The files are available on the CD ROM in the Appendix, or can be downloaded directly from the Internet at [www.kanya.com](http://www.kanya.com).

The clamp joints are saved as cross-sections; accessories can be viewed as front, side and plan views. The code used for the different files is simply the item number: for accessories, add -1, -2 or -3 depending on the view you require (see the examples opposite).

Another advantage of this electronic catalogue is that it is continuously updated to include innovations. Our Internet website is also continuously updated. Whether you are looking for new clamp joints or accessories to add to your existing equipment, you can benefit from this at any time – [www.kanya.com](http://www.kanya.com)

**Cross Clamp**

Clamp Screw KS  
Black Cover Cap

Use  
This is the most frequently used clamp. It can hold two freely movable tubes, offset at 90°.

Nominal Diameter	Dimensions A	A1	B	C	C1
12	24	8	16	38	9
20	36	13	30	58	13
30	52	20	40	84	20
40	62	25	50	104	25
50	72	30	60	124	30

For Diameter D tolerances, see page 10

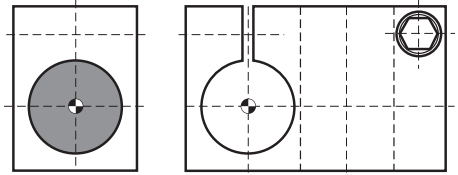
## Example:

Cross Clamp R03-05

### Data selected:

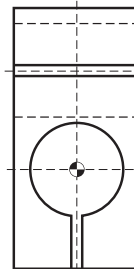
R03-05-1,  
R03-05-2 or  
R03-05-3

⊕ ≙ insertion point



Vertical projection: -1

Lateral projection: -2

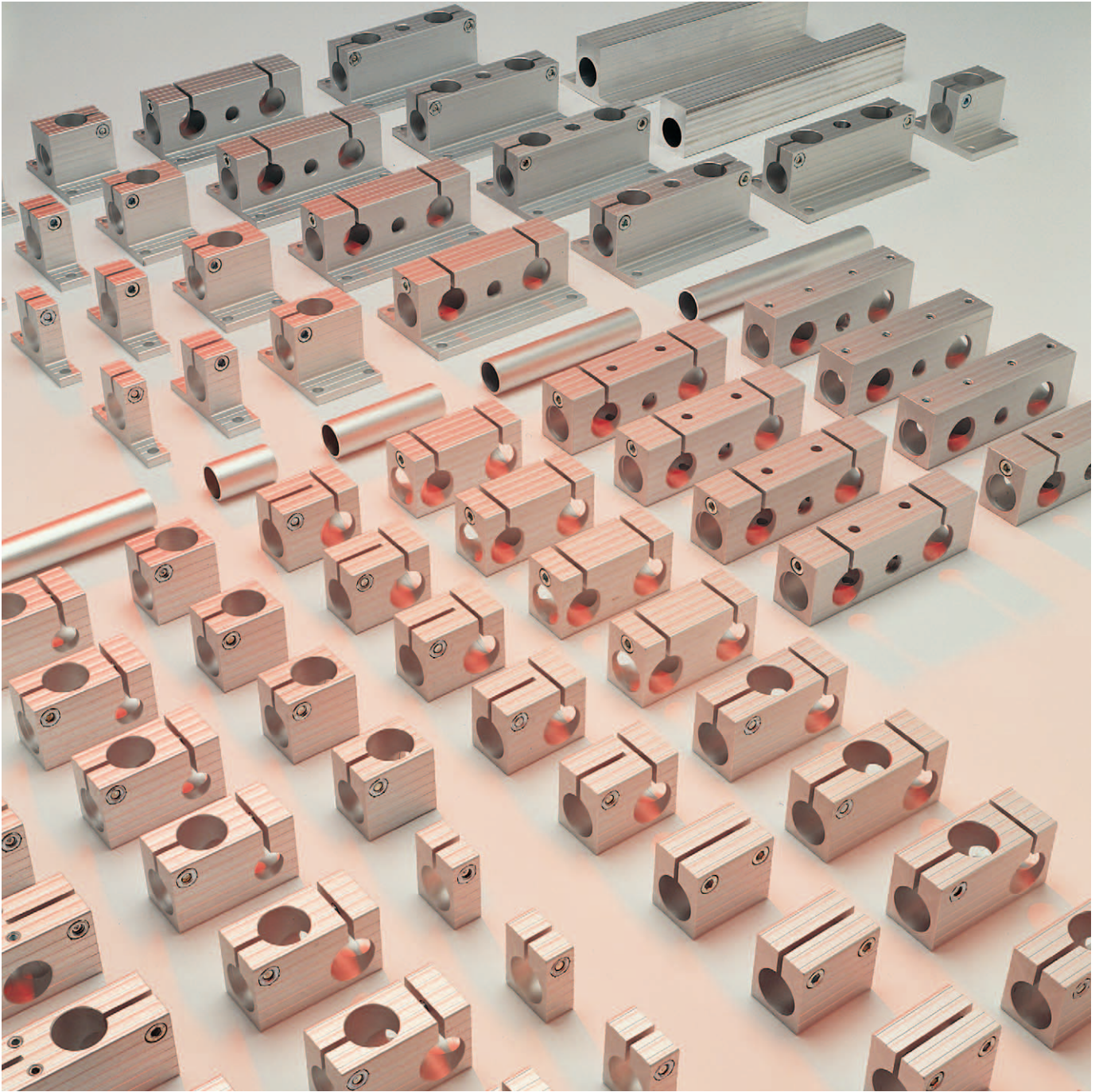


Horizontal projection: -3

### Layer Definition:

- KAN\_PROF ≙ Contour line
- KAN\_AXIS ≙ Axis line
- KAN\_HIDD ≙ Hidden line
- KAN\_INPT ≙ Insertion point
- KAN\_THIN ≙ Auxiliary (thin) line





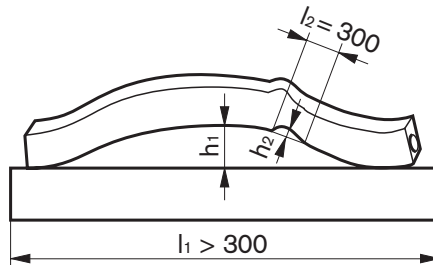
# Technical Data for Aluminium Extrusions

Alloy	6063	
Quality	T66	temper-hardened (F25)
DIN designation	DIN EN 755	
Tolerances	EN 12020-2	
Density/weight	$\delta$ : 2.7 g/cm <sup>3</sup>	Weight tolerance: $\pm 10\%$
Tensile strength	R <sub>m</sub> : min 245 N/mm <sup>2</sup>	
Yield	R <sub>p 0.2</sub> : min 200 N/mm <sup>2</sup>	
Elongation	A <sub>5</sub> : min 10%	
	A <sub>10</sub> : min 8%	
Modul of elasticity	E: 70 KN/mm <sup>2</sup>	
Brinell hardness	HB ~75	
Surface	natural matt anodised. Depth approx. 12 $\mu$	Colour anodised or powder coated in accordance with the RAL table, on request
Thermal expansion	0.0232 mm/m/° $\Delta$ t	

## Extrusion tolerances – extract from EN 12020-02

### 1. Straightness tolerances

Cavity extrusions shall not exceed the values stated in the table for straightness tolerances  $h_1$ . The deviation  $h_2$  shall not exceed a maximum of 0.3 mm over any length of  $l_2 = 300$  mm.

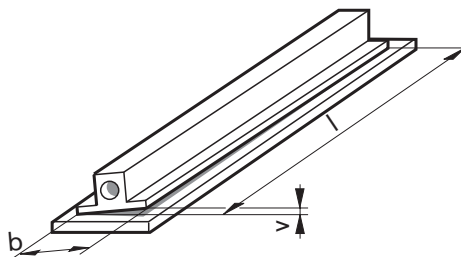


Length l <sub>1</sub> in m	up to 1	up to 2	up to 3
Tolerance h <sub>1</sub> in mm	0.7	1.3	1.8

### 2. Distortion Tolerance v

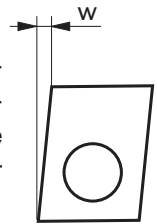
The distortion tolerance  $v$  for cavity extrusions subject to length is shown in the table.

Width b in mm Measurement Range		Flatness Tolerance v in mm for lengths in mm		
over	up to	– up to 1000	over 1000 up to 2000	over 2000 up to 3000
–	25	1.0	1.5	1.5
25	50	1.0	1.2	1.5
50	75	1.0	1.2	1.2
75	100	1.0	1.2	1.5
100	125	1.0	1.5	1.8



### 3. Angular Tolerance w

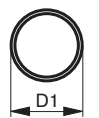
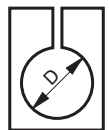
If side lengths are unequal, the angular tolerance relates to the angle of the shorter side.



Width b in mm		Inclination tolerance w in mm
over	up to	
–	30	0.3
30	50	0.4
50	80	0.5
80	100	0.6
100	120	0.7

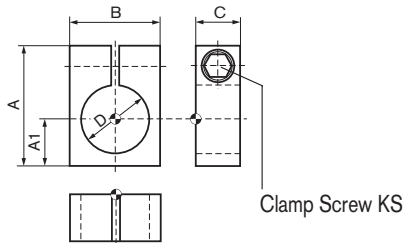
### 4. Diameter Tolerances D/D1

The tolerances shown in the Table below relate to the Diameter D/D1 in each case, as shown in the technical drawings.



Diameter D/D1 in mm	D Tolerance in mm	D1
12	0 / +0.05	0 / -0.1
15	0 / +0.05	0 / -0.1
20	0 / +0.1	0 / -0.15
30	0 / +0.1	0 / -0.2
40	0 / +0.1	0 / -0.2
50	0 / +0.1	0 / -0.2

## Clamp Ring



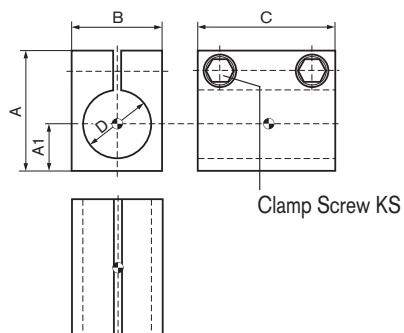
### Use

Normally used as a stop, or as a holder for limit switches or similar.

Nominal Diameter	Dimensions		B	C	D	KS	Weight in kg	Order Number
	A	A1						
12	24	8	16	15	12	M4	-	on request
20	36	13	30	20	20	M6	0.045	R02-15
30	52	20	40	20	30	M8	0.080	R03-15
40	62	25	50	20	40	M8	0.105	R04-15
50	72	30	60	20	50	M8	0.135	R05-15

For Diameter D tolerances, see page 10

## Joining Clamp



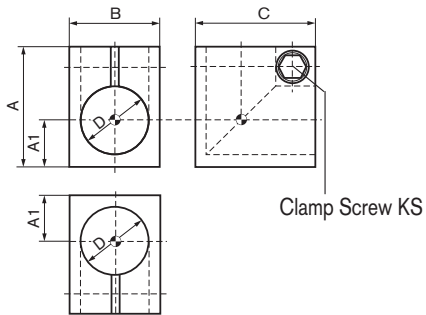
### Use

To extend tubes and as a stop for large forces.

Nominal Diameter	Dimensions		B	C	D	KS	Weight in kg	Order number
	A	A1						
12	24	8	16	32	12	M4	–	on request
20	36	13	30	40	20	M6	0.085	R02-01
30	52	20	40	60	30	M8	0.225	R03-01
40	62	25	50	80	40	M8	0.395	R04-01
50	72	30	60	100	50	M8	0.625	R05-01

For Diameter D tolerances, see page 10

## Angle Clamp



### Use

Attractive corner joint for normal loads.

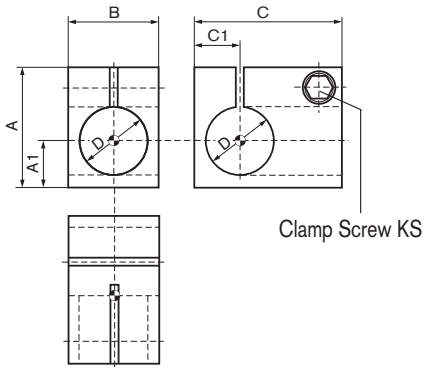
For reasons of stability, it is recommended that tubes in angle clamp joints are cut at 45°.



Nominal Diameter	Dimensions		B	C	D	KS	Weight in kg	Order number
	A	A1						
12	24	8	16	24	12	M4	-	on request
20	36	13	30	36	20	M6	0.060	R02-02
30	52	20	40	52	30	M8	0.150	R03-02
40	62	25	50	62	40	M8	0.225	R04-02
50	72	30	60	72	50	M8	0.320	R05-02

For Diameter D tolerances, see page 10

# T Clamp



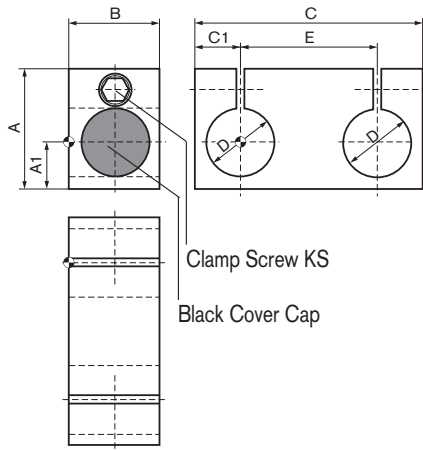
## Use

Cross joints where only one tube needs to be movable.

Nominal Diameter	Dimensions		B	C	C1	D	KS	Weight in kg	Order Number
	A	A1							
12	24	8	16	30	9	12	M4	-	on request
20	36	13	30	45	13	20	M6	0.080	R02-03
30	52	20	40	65	20	30	M8	0.215	R03-03
40	62	25	50	85	25	40	M8	0.365	R04-03
50	72	30	60	105	30	50	M8	0.560	R05-03

For Diameter D tolerances, see page 10

## Parallel Clamp



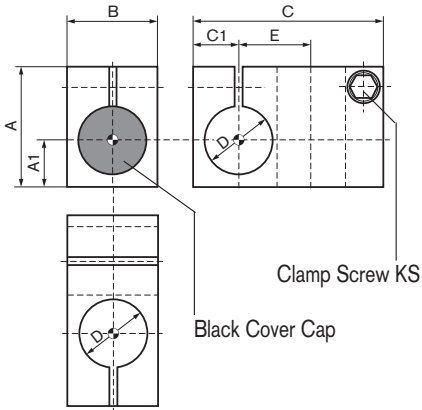
### Use

To strengthen structures (by doubling) or to extend tubes on different levels.

Nominal Diameter	Dimensions		B	C	C1	D	E	KS	Weight in kg	Order Number
	A	A1								
12	24	8	16	42	9	12	24	M4	-	on request
20	36	13	30	66	13	20	40	M6	0.110	R02-04
30	52	20	40	100	20	30	60	M8	0.310	R03-04
40	62	25	50	130	25	40	80	M8	0.535	R04-04
50	72	30	60	160	30	50	100	M8	0.815	R05-04

For Diameter D tolerances, see page 10

# Cross Clamp



## Use

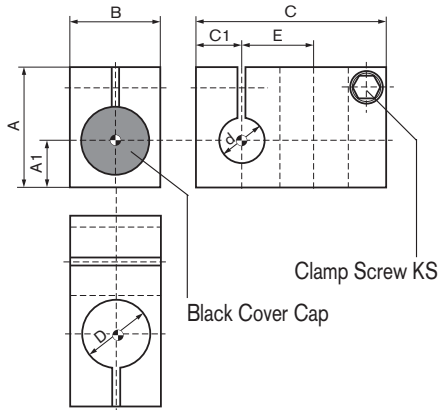
This is the most frequently used clamp. It can hold two freely movable tubes, offset at 90°.

Nominal Diameter	Dimensions		B	C	C1	D	E	KS	Weight in kg	Order Number
	A	A1								
12	24	8	16	38	9	12	13	M4	0.022	R01-05
20	36	13	30	58	13	20	22	M6	0.095	R02-05
30	52	20	40	84	20	30	32	M8	0.235	R03-05
40	62	25	50	104	25	40	42	M8	0.370	R04-05
50	72	30	60	124	30	50	52	M8	0.535	R05-05

For Diameter D tolerances, see page 10



## Clamp Joints without Flange



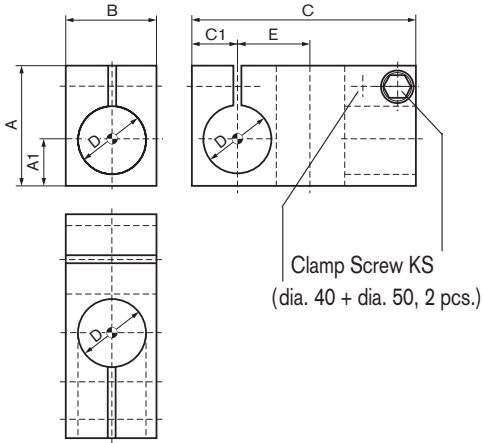
### Use

Similar to the cross clamp, but with a smaller tube on the second level.

Nominal Diameter	Dimensions		B	C	C1	D	d	E	KS	Weight in kg	Order Number
	A	A1									
20 / 12	36	13	30	58	13	20	12	22	M6	0.102	R02-07.12
30 / 12	52	20	40	84	20	30	12	32	M6	-	on request
30 / 20	52	20	40	84	20	30	20	32	M6	0.255	R03-07.20
40 / 20	62	25	50	104	25	40	20	42	M8	0.420	R04-07.20
40 / 30	62	25	50	104	25	40	30	42	M8	0.400	R04-07.30
50 / 40	72	30	60	124	30	50	40	52	M8	0.585	R05-07.40

Other combinations on request; for Diameter D tolerances, see page 10

# Cross T-Clamp



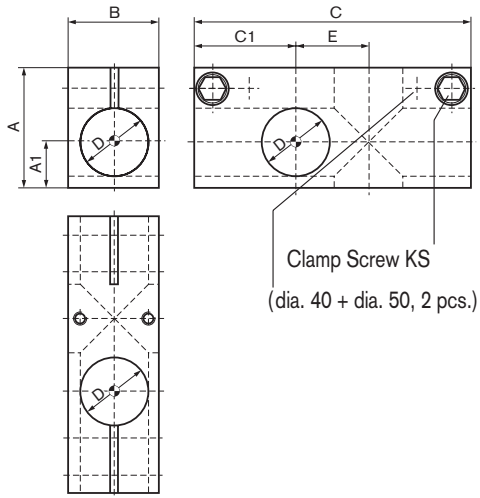
## Use

Tubes can exit from this clamp in three directions, but only the same two tubes as in the Cross Clamp (page 16) pass all the way through the joint.

Nominal Diameter	Dimensions		B	C	C1	D	E	KS	Weight in kg	Order Number
	A	A1								
12	24	8	16	40	9	12	13	M4	-	on request
20	36	13	30	65	13	20	22	M6	0.105	R02-10
30	52	20	40	98	20	30	32	M8	0.285	R03-10
40	62	25	50	125	25	40	42	M8	0.470	R04-10
50	72	30	60	155	30	50	52	M8	0.730	R05-10

For Diameter D tolerances, see page 10

## Universal Clamp



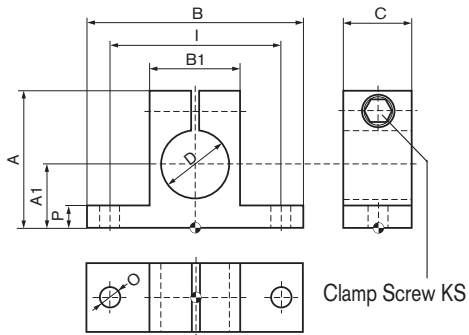
### Use

As its name implies, the four tube exits on this joint make it suitable for universal use.

Nominal Diameter	Dimensions		B	C	C1	D	E	KS	Weight in kg	Order Number
	A	A1								
12	24	8	16	53	20	12	13	M4	-	on request
20	36	13	30	82	30	20	22	M6	0.145	R02-11
30	52	20	40	122	45	30	32	M8	0.375	R03-11
40	62	25	50	162	60	40	42	M8	0.650	R04-11
50	72	30	60	202	75	50	52	M8	1.025	R05-11

For Diameter D tolerances, see page 10

## Horizontal Clamp



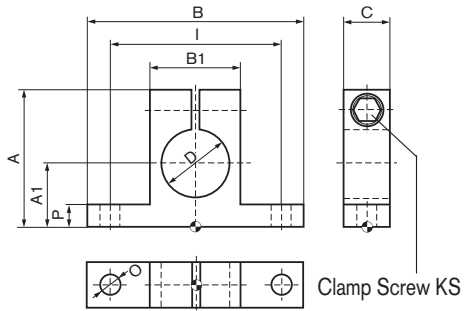
### Use

This joint is normally used as a pedestal bearing. However, it can also be used as a holder for screwed-on parts.

Nominal Diameter	Dimensions										Weight in kg	Order Number
	A	A1	B	B1	C	D	I	O	P	KS		
12	28	12	35	16	15	12	25	6	4	M4	0.015	R01-60
15	45	22	65	30	20	15	50	7	8	M6	0.088	R15-60
20	45	22	65	30	20	20	50	7	8	M6	0.080	R02-60
30	60	28	95	40	30	30	75	9	8	M8	0.170	R03-60
40	72	35	95	50	40	40	75	9	10	M8	0.295	R04-60
50	82	40	120	60	50	50	100	9	10	M8	0.470	R05-60

For Diameter D tolerances, see page 10

## Tube Cleat



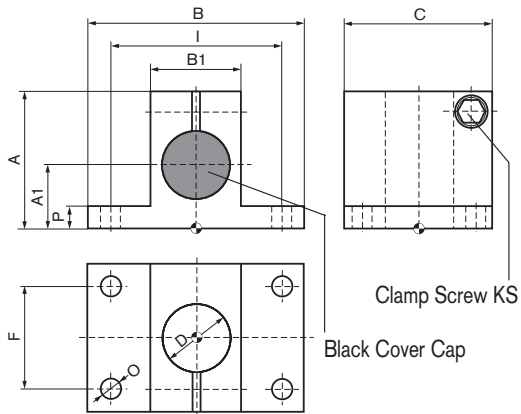
### Use

Can be used like the horizontal clamp, but for smaller loads

Nominal Diameter	Dimensions										Weight in kg	Order Number
	A	A1	B	B1	C	D	I	O	P	KS		
12	see page 20											
15	see page 20											
20	see page 20											
30	60	28	95	40	20	30	75	9	8	M8	0.115	R03-65
40	72	35	95	50	20	40	75	9	10	M8	0.150	R04-65
50	82	40	120	60	20	50	100	9	10	M8	0.195	R05-65

For Diameter D tolerances, see page 10

## Vertical Clamp



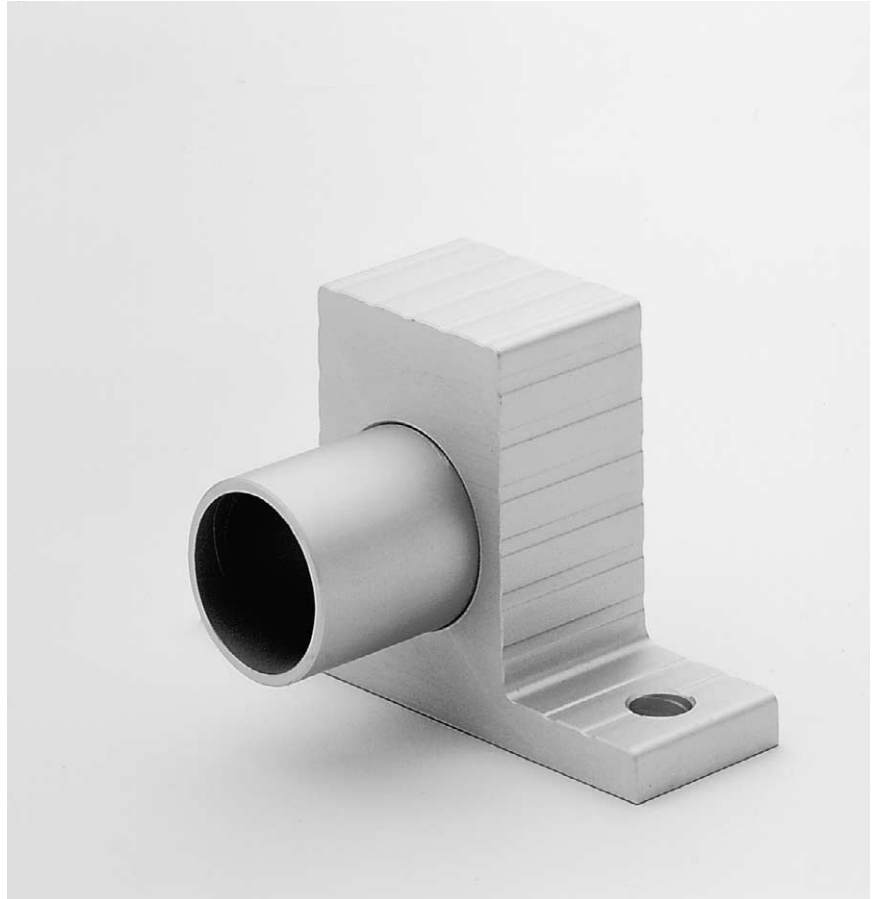
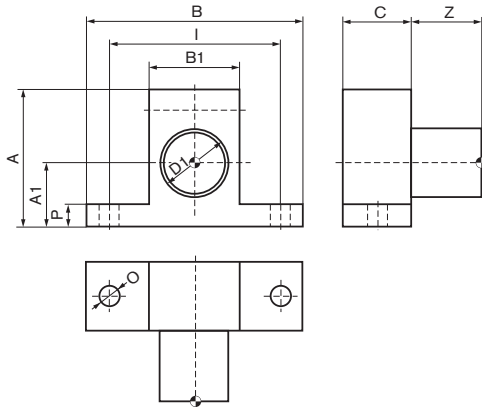
### Use

This is the elementary component for a wide variety of constructions, whether as a flange, a build-on joint or a holder.

Nominal Diameter	Dimensions										Weight		Order Number
	A	A1	B	B1	C	D	F	I	O	P	KS	in kg	
12	28	12	35	16	32	12	-	25	6	4	M4	0.029	R01-50
20	45	22	65	30	45	20	25	50	7	8	M6	0.135	R02-50
30	60	28	95	40	65	30	50	75	9	8	M8	0.310	R03-50
40	72	35	95	50	75	40	50	75	9	10	M8	0.440	R04-50
50	82	40	120	60	85	50	50	100	9	10	M8	0.610	R05-50

For Diameter D tolerances, see page 10

## End Swivel Clamp



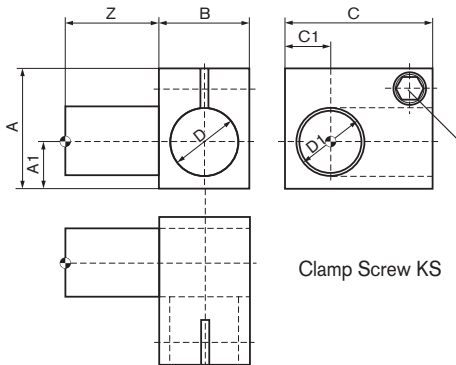
### Use

The tube is firmly pressed into this clamp, making it particularly suitable for oblique connections. Can also be used for permanent swivel functions.

Nominal Diameter	Dimensions										Weight in kg	Order Number
	A	A1	B	B1	C	D1	I	O	P	Z		
12	28	12	35	16	15	12	25	6	4	17	-	on request
20	45	22	65	30	20	20	50	7	8	21	0.080	R02-70
30	60	28	95	40	30	30	75	9	8	31	0.190	R03-70
40	72	35	95	50	40	40	75	9	10	41	0.340	R04-70
50	82	40	120	60	50	50	100	9	10	51	0.585	R05-70

For Diameter D tolerances, see page 10

## T-Swivel Clamp



### Use

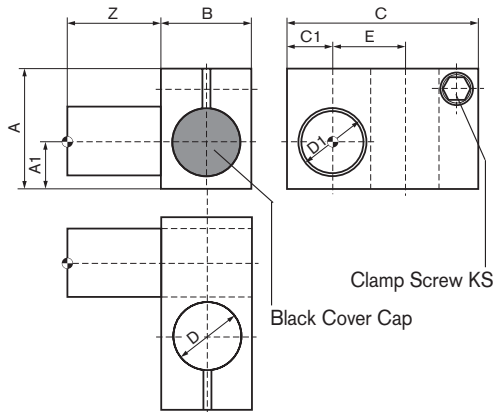
Chiefly used where tubes coming out of the joint must be swivelled in connection with all the other clamp joints.

Nominal Diameter	Dimensions		B	C	C1	D	D1	Z	KS	Weight in kg	Order Number
	A	A1									
12	24	8	16	30	9	12	12	17	M4	-	on request
20	36	13	30	45	13	20	20	31	M6	0.100	R02-13
30	52	20	40	65	20	30	30	41	M8	0.255	R03-13
40	62	25	50	85	25	40	40	51	M8	0.435	R04-13
50	72	30	60	105	30	50	50	61	M8	0.700	R05-13

For Diameter D tolerances, see page 10



## Cross Swivel Clamp



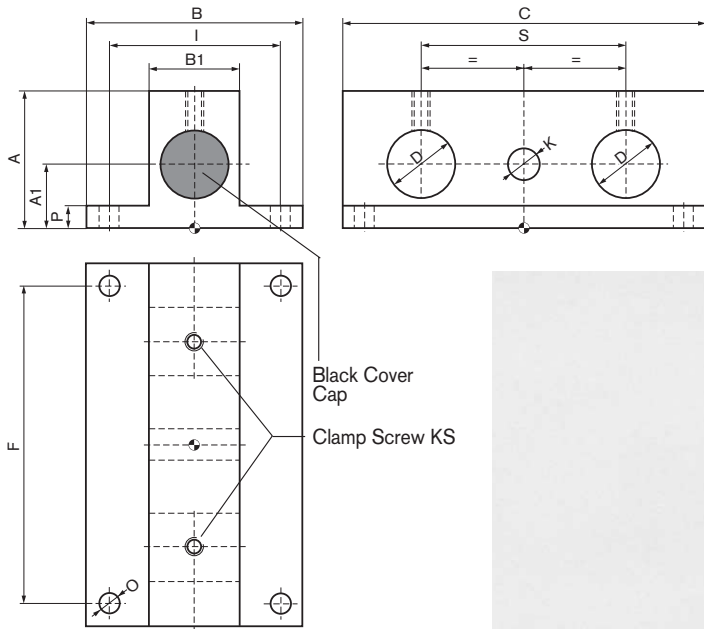
### Use

To brace structures with oblique tube connections; also used like the T-swivel clamp.

Nominal Diameter	Dimensions										Weight in kg	Order Number
	A	A1	B	C	C1	D	D1	E	Z	KS		
12	24	8	16	38	9	12	12	13	17	M4	-	on request
20	36	13	30	58	13	20	20	22	21	M6	0.115	R02-14
30	52	20	40	84	20	30	30	32	31	M8	0.275	R03-14
40	62	25	50	104	25	40	40	42	41	M8	0.440	R04-14
50	72	30	60	124	30	50	50	52	51	M8	0.670	R05-14

For Diameter D tolerances, see page 10

# Horizontal Support



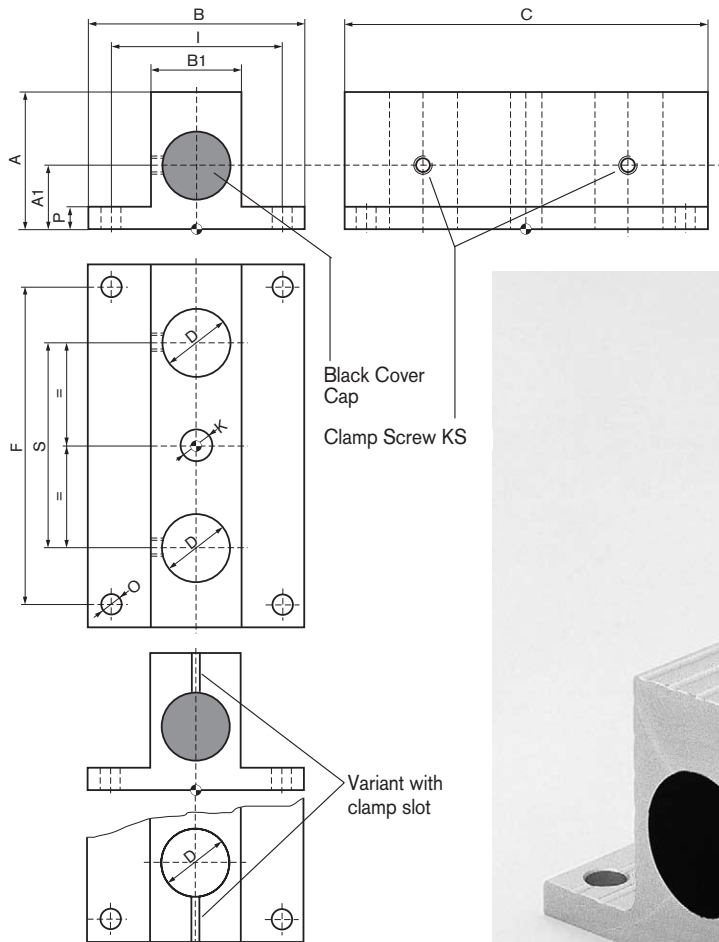
## Use

The Horizontal Support is usually needed to close off adjustable units. However, it can also be used independently as a static or dynamic clamp.

Nominal Diameter	Dimensions												Weight		Order Number
	A	A1	B	B1	C	D	F	I	K	O	P	S	KS	in kg	
20	45	22	65	30	110	20	95	50	10	7	8	60	M6	0.360	R02-90
30	60	28	95	40	160	30	140	75	14	9	8	90	M8	0.845	R03-90
40	72	35	95	50	200	40	180	75	14	9	10	120	M8	1.390	R04-90

Other combinations on request; for Diameter D tolerances, see page 10

## Vertical Support



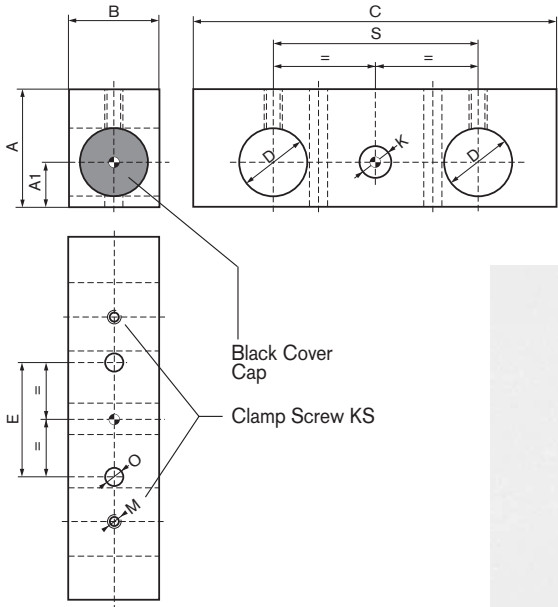
### Use

The same uses as the Horizontal Support. It can also be used as a carrier for handling equipment which needs to be rearranged simply and quickly. The Vertical Support can also be obtained with a clamp slot.

Nominal Diameter	Dimensions												Weight KS in kg	Order Number without Clamp Slot	Order Number with Clamp Slot	
	A	A1	B	B1	C	D	F	I	K	O	P	S				
20	45	22	65	30	110	20	95	50	10	7	8	60	M6	0.330	R02-91	R02-81
30	60	28	95	40	160	30	140	75	14	9	8	90	M6	0.760	R03-91	R03-81
40	72	35	95	50	200	40	180	75	14	9	10	120	M6	1.225	R04-91	R04-81

Other combinations on request; for Diameter D tolerances, see page 10

# Universal Support



## Use

Same use as the Supports shown on pages 26 and 27, but with the advantage that this component can be used as a Horizontal and Vertical Adjustable Unit.

Nominal Diameter	Dimensions		B	C	D	E	O	K	S	KS	Weight in kg	Order Number
	A	A1										
20	36	13	30	110	20	25	6.5	10	60	M6	0.190	R02-30
30	52	20	40	160	30	50	8.5	14	90	M8	0.520	R03-30
40	62	25	50	200	40	50	8.5	14	120	M8	0.870	R04-30

Other combinations on request; for Diameter D tolerances, see page 10

## Universal Slide

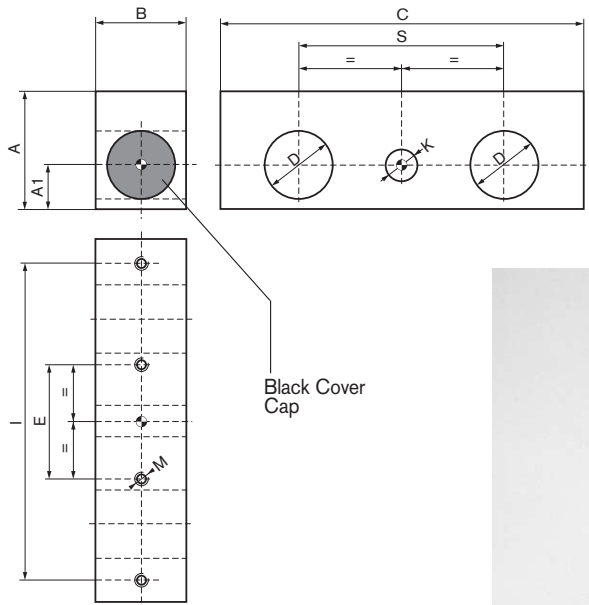


Illustration with clamp and sliding bush



Illustration without clamp

### Use

Simple adjustable units can be built in modular form, in combination with the Supports on pages 26, 27 and 28. The four threads are used to fix other structures in place.

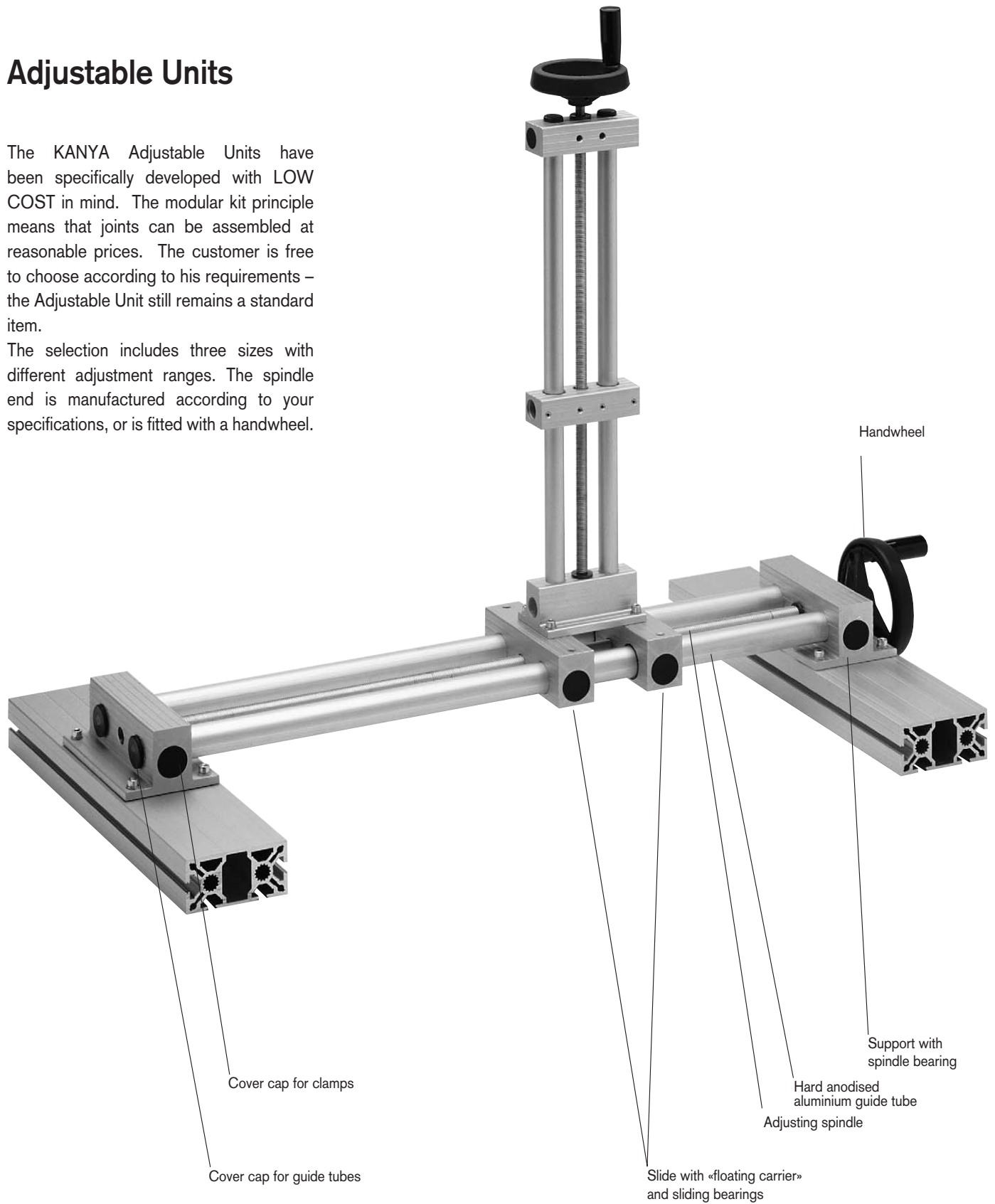
Nominal Dimensions				Weight in kg	Order Number single-sided clamp	Order Number double-sided clamp	Order Number without clamp							
Diameter	A	A1	B											
20	36	13	30	110	20	25	95	M6	10	60	0.200	R02-31 (-GL)*	R02-32 (-GL)*	R02-41 (-GL)*
30	52	20	40	160	30	50	140	M8	14	90	0.535	R03-31 (-GL)*	R03-32 (-GL)*	R03-41 (-GL)*
40	62	25	50	200	40	50	180	M8	14	120	0.870	R04-31 (-GL)*	R04-32 (-GL)*	R04-41 (-GL)*

\* On request, we can supply the slide with sliding bushes: **add -GL to the order number**

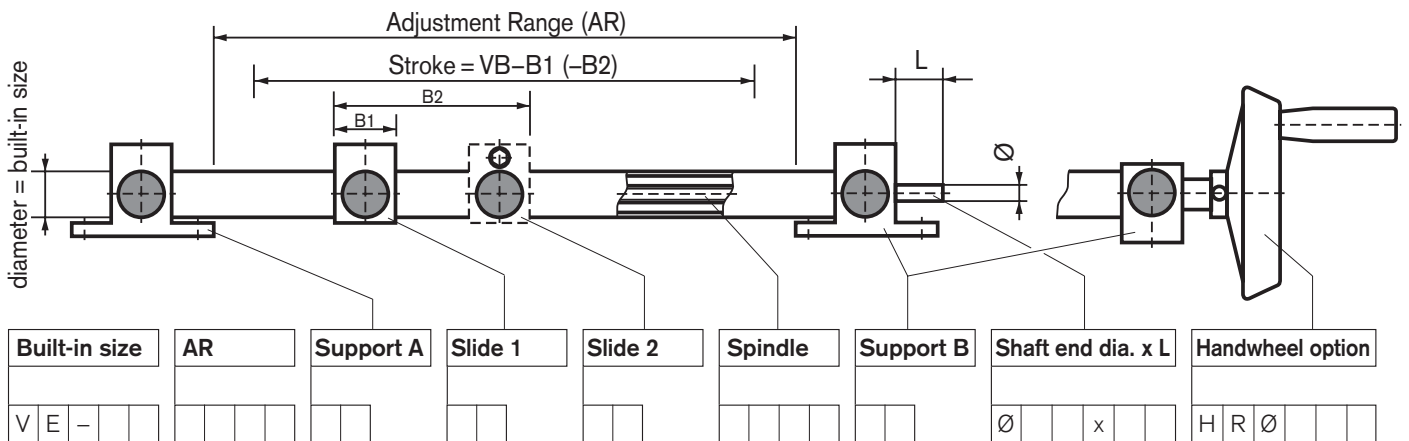
## Adjustable Units

The KANYA Adjustable Units have been specifically developed with LOW COST in mind. The modular kit principle means that joints can be assembled at reasonable prices. The customer is free to choose according to his requirements – the Adjustable Unit still remains a standard item.

The selection includes three sizes with different adjustment ranges. The spindle end is manufactured according to your specifications, or is fitted with a handwheel.



## Ordering Information



**Examples:**

V E - 2 0	1 2 5 0	9 0	3 1	- -	M 1 2 9 0	Ø 1 0 x 2 0
V E - 4 0	2 3 0 0	9 1	3 1	4 1	T R 1 6 3 0	- - - - - H R Ø 1 6 0

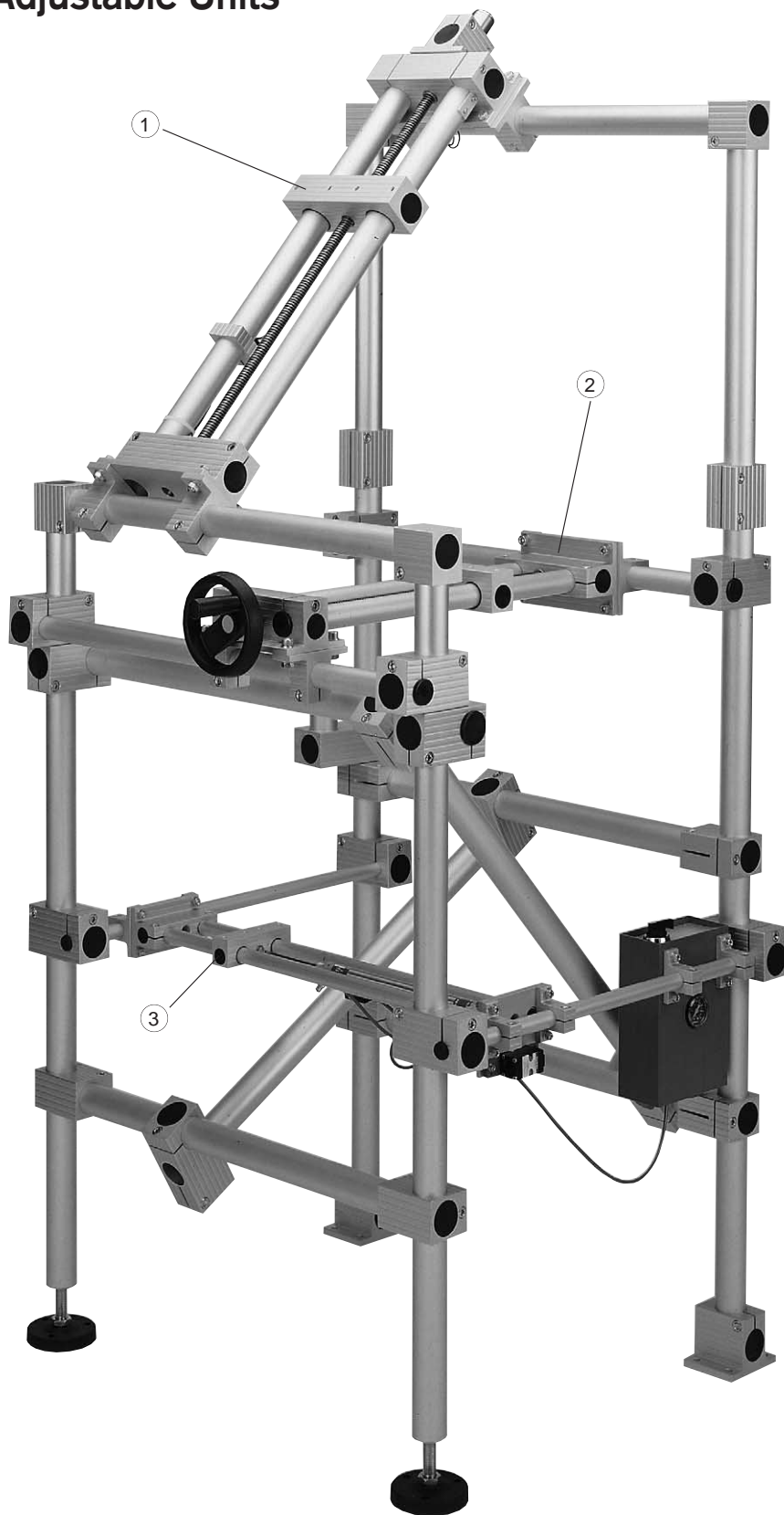
Warehouse items	Stroke	Support A/B	Slide 1/2	Spindle	Shaft end	Handwheel
VE20	-1500	R02-90 / -91 / -30	R02-31-GL / -41-GL	M12 x 1.75 / TR 12 x 3	as indicated	HR - Ø 80 / Ø 100
VE30	-2000	R03-90 / -91 / -30	R03-31-GL / -41-GL	M16 x 2.0 / TR 16 x 4	as indicated	HR - Ø 125
VE40	-2500	R04-90 / -91 / -30	R04-31-GL / -41-GL	M20 x 2.5 / TR 20 x 4	as indicated	HR - Ø 160 / Ø 200

See pages 26 – 29 for measurement information on the Supports and Slides

Other diameter and inclinations on request

KANYA supplies the Adjustable Units fully assembled.  
Please enquire about additional items which we are able to supply.

## Adjustable Units



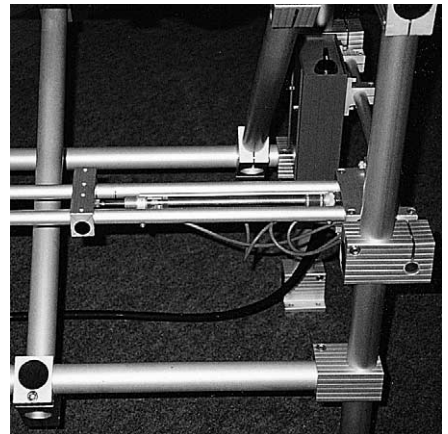
### Use

Simple adjustment mechanisms with average precision and normal phase times. This adjustable unit is robust and reliable, and can be used wherever costs need to be kept down or wherever cost-effectiveness is the decisive factor.

Mechanical engineering, automation, laboratories, photographic studios, table adjustments, etc.

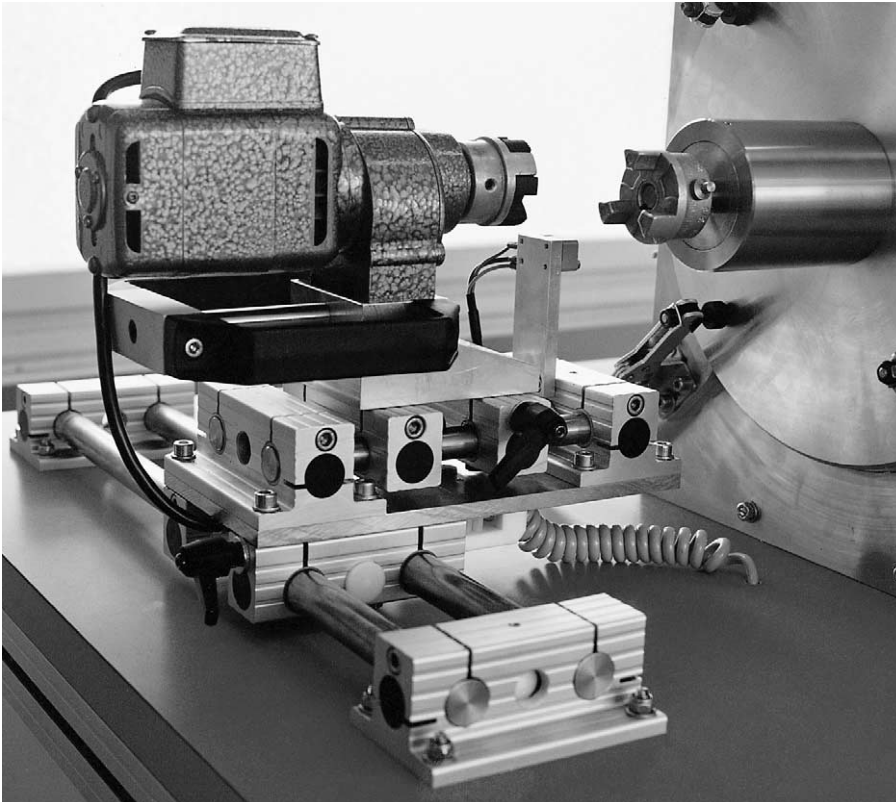
### Versions

- ① with metric threaded spindle
- ② with trapezoidal threaded spindle and handwheel
- ③ with pneumatic cylinder



... or to your specifications.

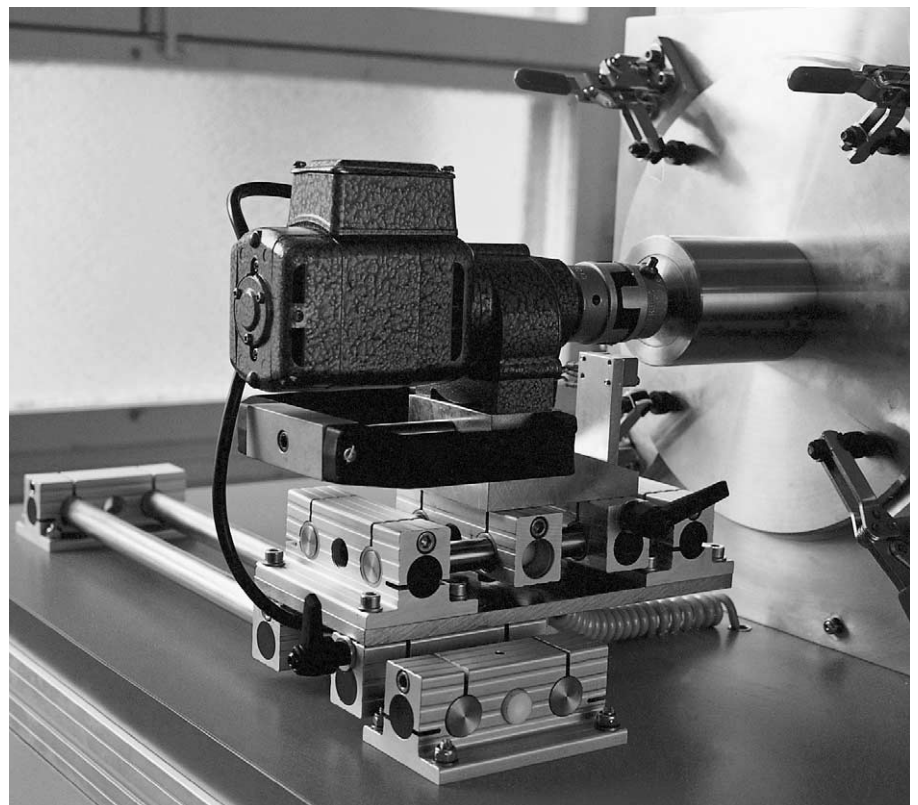




**Use**

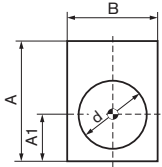
Couplable / decouplable drive on an X/Y adjustable unit for a micro-coating drum.

The electric motor is in the decoupled position.



The electric motor is in the coupled position.

## Rectangular Extrusion

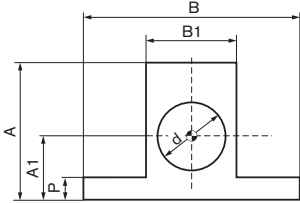


Can be supplied in warehouse length or cut to size.

Surface: untreated

Nominal Diameter	Dimensions			d	Weight kg/m	Order Number L = 3000 mm	Order Number cut to ... mm
	A	A1	B				
12	24	8	16	11,3	0.76	R01-95-00/3000 mm	R01-95-02/ ... mm
20	36	13	30	19,2	2.10	R02-95-00/3000 mm	R02-95-02/ ... mm
30	52	20	40	29,2	3.70	R03-95-00/3000 mm	R03-95-02/ ... mm
40	62	25	50	39,2	4.96	R04-95-00/3000 mm	R04-95-02/ ... mm
50	72	30	60	49,3	6.34	R05-95-00/3000 mm	R05-95-02/ ... mm

## Flange Extrusion

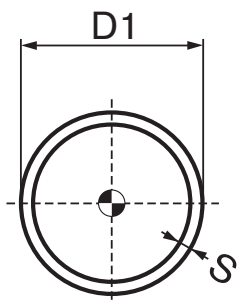


Can be supplied in warehouse length or cut to size.

Surface: untreated

Nominal Diameter	Dimensions			d	P	Weight kg/m	Order Number L = 3000 mm	Order Number cut to ... mm	
	A	A1	B						
12	28	12	35	16	11,8	4	1.11	R01-96-00/3000 mm	R01-96-02/ ... mm
15	45	22	65	30	14.0	8	3.97	R15-96-00/3000 mm	R15-96-02/ ... mm
20	45	22	65	30	19.0	8	3.63	R02-96-00/3000 mm	R02-96-02/ ... mm
30	60	28	95	40	29.0	8	5.88	R03-96-00/3000 mm	R03-96-02/ ... mm
40	72	35	95	50	39.0	10	7.63	R04-96-00/3000 mm	R04-96-02/ ... mm
50	82	40	120	60	49.0	10	9.71	R05-96-00/3000 mm	R05-96-02/ ... mm

## Aluminium Tubes



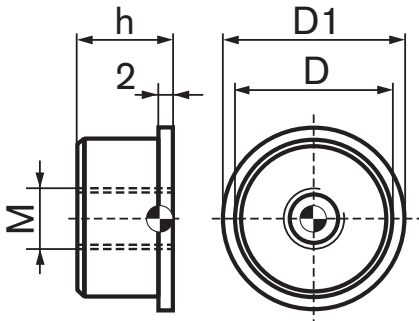
Can be supplied in warehouse length or cut to size.

Surface: untreated

Nominal Diameter	Dimension D1 x S	Weight kg/m	Order Number L = 5000 mm	Order Number cut to ... mm
12	12 x 1.5	0.130	R01-97-00/5000 mm	R01-97-02/ ... mm
20	20 x 2	0.310	R02-97-00/5000 mm	R02-97-02/ ... mm
30	30 x 2	0.480	R03-97-00/5000 mm	R03-97-02/ ... mm
40	40 x 2	0.650	R04-97-00/5000 mm	R04-97-02/ ... mm
50	50 x 3	1.210	R05-97-00/5000 mm	R05-97-02/ ... mm

For Diameter D tolerances, see page 10

## Threaded Inserts

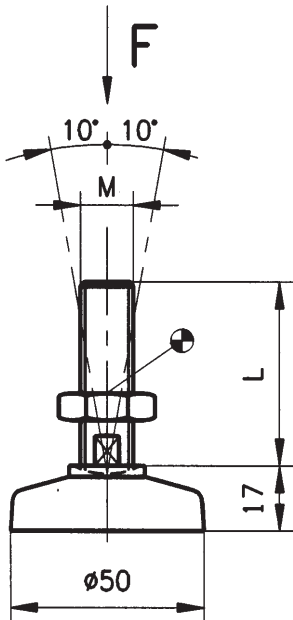


For aluminium tubes.

Material: aluminium.

Nominal diameter	Dimensions		h	M	Order Number
	D	D1			
20	16	20	15	M10	R14-20
30	26	30	15	M10	R14-30
40	36	40	20	M16	R14-40
50	44	50	20	M16	R14-50

## Levelling Feet



### Use

Continuous height adjustment and level compensation. KANYA levelling feet with diameter 50 are fitted with M10 or M16 threads of length 50 or 100 respectively. The setting screw is connected to the flange cup so as to allow play of  $\pm 10^\circ$ , which compensates for uneven floors.

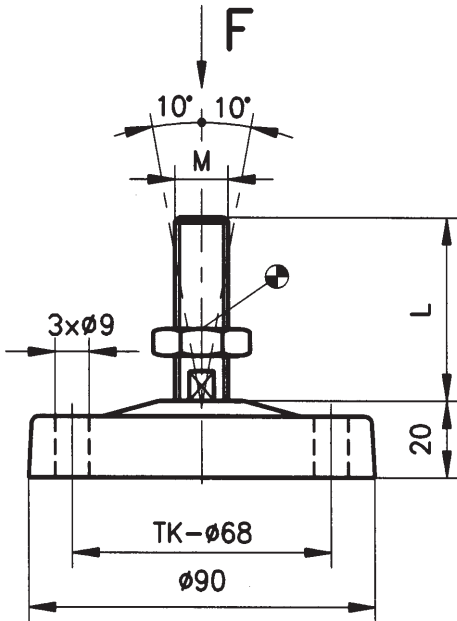
### Construction

Flange cup: PA-GF, black  
Screw: 8.8 galvanized steel



Levelling Flange Diameter	Dimension Thread M x L	Load Capacity F	Order Number
50	10 x 50	2500 N	B 42-50
50	10 x 100	2500 N	B 42-00
50	16 x 50	3500 N	B 44-50
50	16 x 100	3500 N	B 44-00

## Levelling Feet



PA-GF



Alu

### Use

Similar to the diameter 50 Levelling Feet. However, the load capacity is higher – particularly in the aluminium version.

### Construction

Flange cup: Aluminium, diameter 90, same dimension as plastic version.  
Screw: 8.8 galvanized steel

These flange cups can also be supplied without diameter 9 fixing holes.

### PA-GF

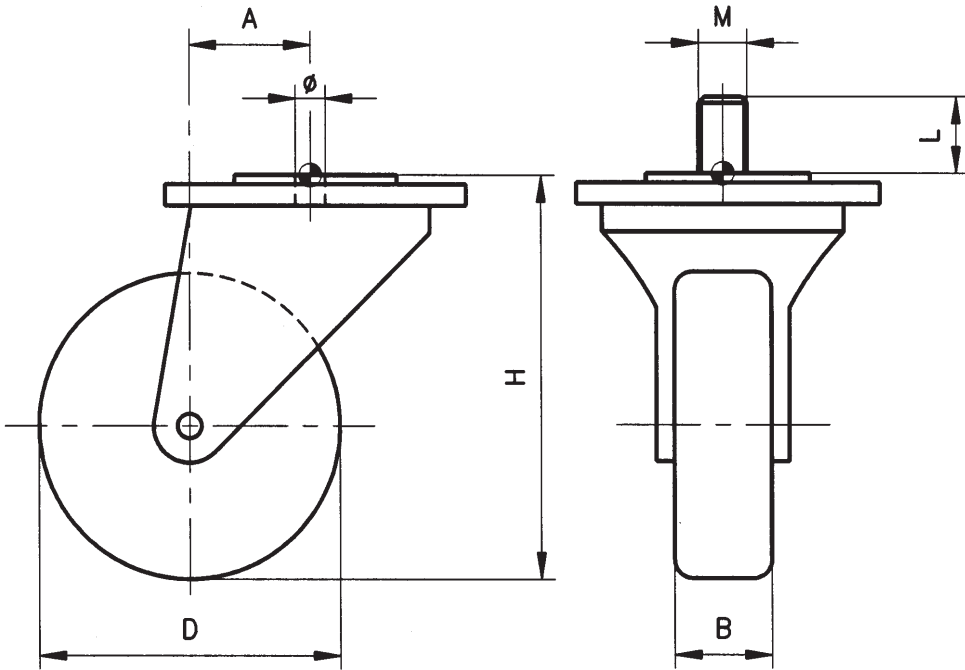
Levelling Flange Dia.	Thread M x L	Loading Capacity F	Order Number
90	16 x 50	5000 N	B 45-50
90	16 x 100	5000 N	B 45-00

### Aluminium

Levelling Flange Dia.	Thread M x L	Loading Capacity F	Order Number with 3 x dia. 9	Order Number without 3 x dia. 9
90	16 x 50	10000 N	B 45-51	B 45-52 (-D)*
90	16 x 100	10000 N	B 45-01	B 45-02 (-D)*

\* These versions are also available with damping components: add -D to the order number.

# Wheels



### Use

Can be used universally, wherever mobility is required. A choice of two wheel diameters with or without brake is available, depending on the load requirement.

A 10.3 diameter through hole, or the M16 x 25 threaded stem make them simple to fit on to the tubes.

### Construction:

Shackle: Galvanized steel, ball bearing

Wheel: Rubber running wheel, ball bearing

Strength: diameter 50 = 400 N

diameter 75 = 700 N

diameter 100 = 800 N

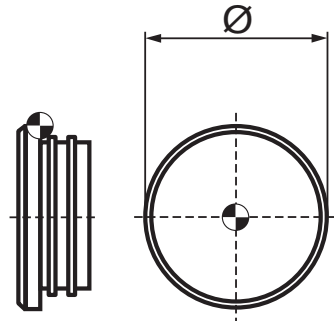
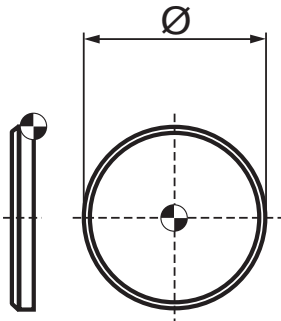
diameter 125 = 1000 N

Wheel	Dimensions				Thread	Order Number	Order Number
	D	B	H	A	dia. / M x L	without Brake	with Brake
Wheel	50	18	70	25	Ø 10,3	B 48-50	B 49-50
Wheel	75	25	97	30	Ø 10,3	B 48-75	B 49-75
Wheel	100	32	132	42	Ø 10,3	B 48-100	B 49-100
Wheel	100	32	132	42	M 16 x 25	A 48-100	A 49-100
Wheel	125	32	158	42	Ø 10,3	B 48-125	B 49-125
Wheel	125	32	158	42	M 16 x 25	A 48-125	A 49-125

Other dimensions and conductive wheels can be supplied on request



## Plastic Caps



for Tube Clamps



Nominal Diameter	Order Number
20	R10-20
30	R10-30
40	R10-40
50	R10-50

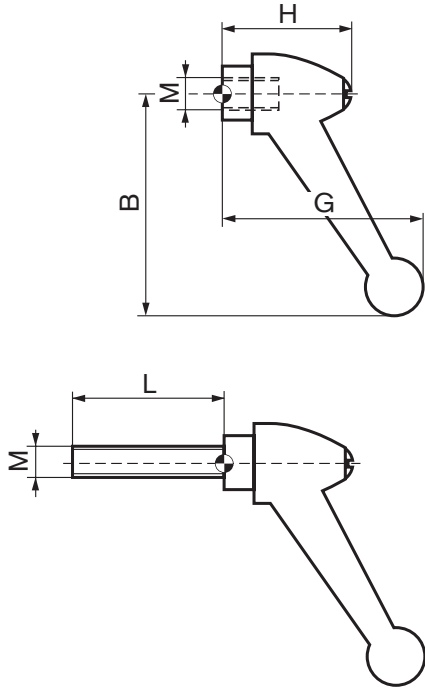
The tube clamp units are generally supplied with plastic caps.

For Aluminium Tubes



Nominal Diameter	Order Number
20	R11-20
30	R11-30
40	R11-40
50	R11-50

# Clamp Lever

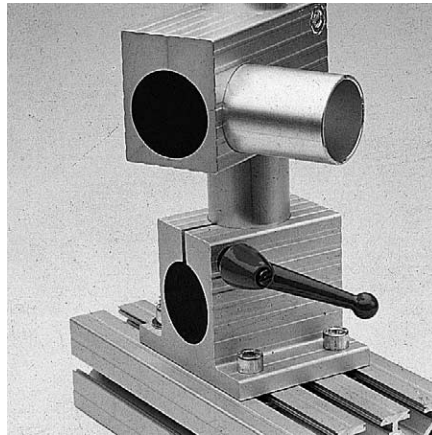


All tube clamp elements can also be supplied with clamp levers:

Add ...-K or ...-2K to the order number.

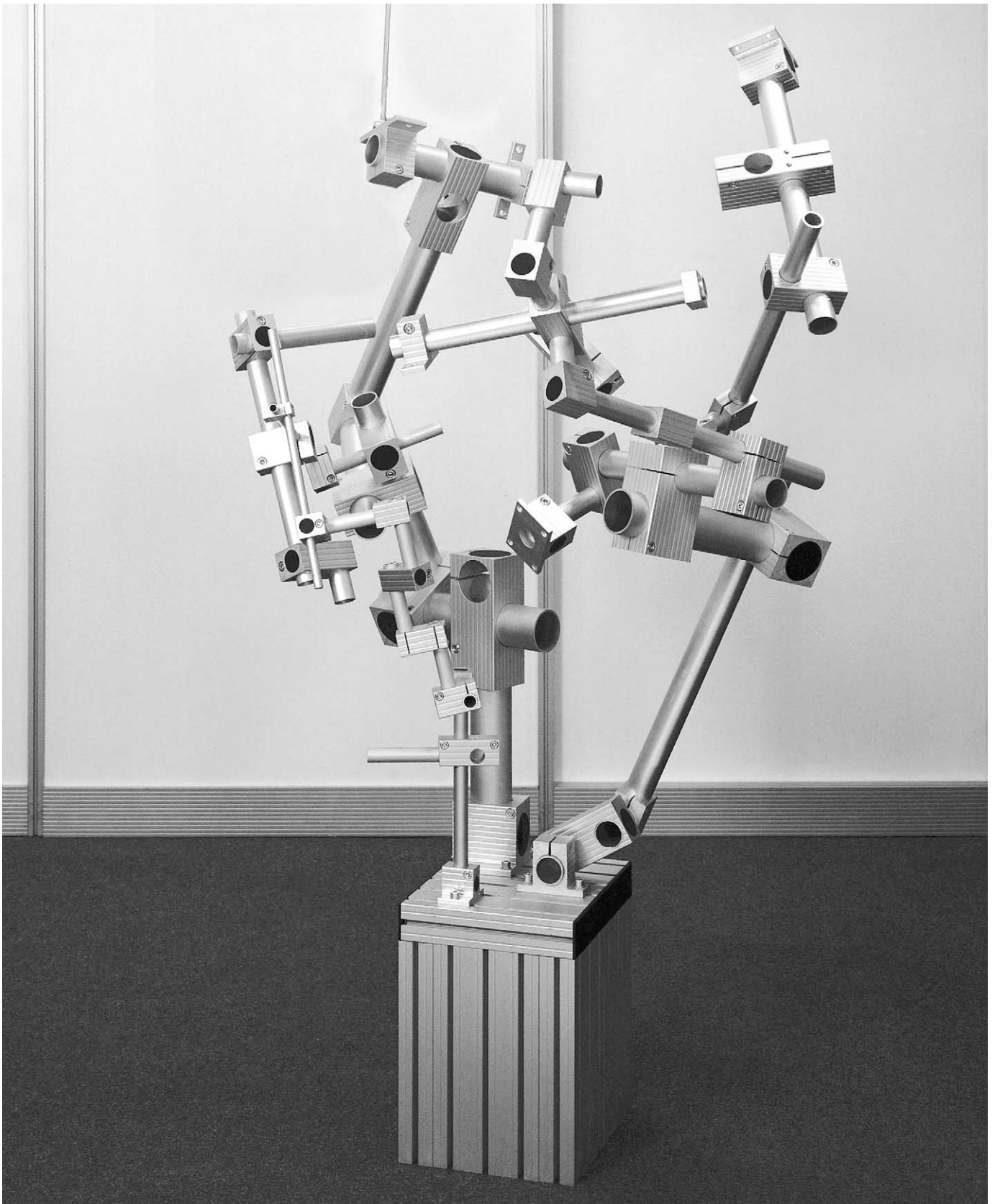
**The clamp levers are adjustable** and are made of zinc alloy. Steel body with thread.

Colour: grey



Nominal Thread	Dimensions		H	L	Order Number
	B	G			
M6	58	52,5	31,5	-	R65-60
M8	58	52,5	31,5	-	R65-80
M8	58	52,5	31,5	40	R65-84

Other versions can be supplied on request





**A VENTOR SICHERHEITSSYSTEME – AUTOMATISIERUNG**  
 Falkenau 11  
 A-4690 Schwandenstadt  
 Tel: 0043 (0)7673 80511-0  
 Fax: 0043 (0)7673 80511-40  
 e-mail: office@ventor.at  
 Internet: http://www.ventor.at

**B MAM S.A.**  
 Industrie/Automation  
 Rue de la Station 9–11  
 B-1435 Mont St. Guibert  
 Tel: 0032-10/657 012  
 Fax: 0032-10/658 791  
 e-mail: m.a.m.industrie@skynet.be

**BR KANYA DO BRASIL LTDA.**  
 Av. das Araucárias, 509 – Barigüi  
 CEP 83707-000  
 Araucária-Paraná-Brasil  
 Fone: 0055-41/643 1384  
 Fax: 0055-41/643 3628  
 e-mail: info@kanya.com.br  
 Internet: http://www.kanya.com.br

**D DRECKSHAGE GMBH & CO. KG**  
 Walter-Werning-Straße 7  
 D-33699 Bielefeld  
 Tel: 0049-521/92 59-0  
 Fax: 0049-521/92 59 289  
 e-mail: zentrale@dreckshage.de  
 Internet: http://www.dreckshage.de

**KANYA DEUTSCHLAND GMBH**  
 Meusselsdorferstraße 25  
 D-95615 Marktredwitz  
 Tel: 0049-9231/603 860  
 Fax: 0049-9231/603 861  
 e-mail: info@kanya-deutschland.de  
 Internet: http://www.kanya-deutschland.de

**DK JJ MEKANIK AS**  
 Industriparken 17  
 DK-4450 Jyderup  
 Tel: 0045-59/25 81 00  
 Fax: 0045-59/25 81 01  
 e-mail: info@jjmekanik.dk  
 Internet: http://www.jjmekanik.dk

**ESP IBALTEC SISTEMAS, S.L.**  
 C/. Josep Soler, 74-76 bjs.  
 E - 08310 ARGENTONA (Barcelona)  
 Tel: 0034-93/756 11 53  
 Fax: 0034-93/797 40 34  
 e-mail: info@ibaltec.com  
 Internet: http://www.ibaltec.com

**F CIEMA SA**  
 Rte de Beaumont/Menneval  
 F-27305 Bernay Cedex  
 Tel: 0033-232/47 35 20  
 Fax: 0033-232/45 35 69

**BERNAY AUTOMATION S.A.**  
 B.P. 451-1, Rue de Menneval  
 F-27304 Bernay Cedex  
 Tel: 0033-232/473 510  
 Fax: 0033-232/430 188  
 e-mail: info@bernay-automation.com  
 Internet: http://www.bernay-automation.com

**GB ALUSETT LTD.**  
 Units F & G, Wykeham Industrial Estate  
 Moorside Road, Winchester  
 Hampshire SO23 7RX, UK  
 Tel: 0044-1962/842 424  
 Fax: 0044-1962/842 425  
 e-mail: sales@aluset.co.uk  
 Internet: http://www.aluset.co.uk

**I TECNO-CENTER S.R.L.**  
 C.so Lombardia, 41  
 I-10078 Venaria Reale (TO)  
 Tel: 0039-011/455 11 21  
 Fax: 0039-011/455 75 95  
 e-mail: info@tecno-center.it  
 Internet: http://www.tecno-center.it

**IL CONLOG LTD.**  
 7 Leshem St.  
 P.O. Box 3571  
 IL-Petach-Tikva 49134  
 Tel: 00972-3/926 95 95  
 Fax: 00972-3/923 33 67  
 e-mail: conlog@conlog.co.il  
 Internet: http://www.conlog.co.il

**J MIWA CO. LTD.**  
 No. 632, SEKO 2-chome  
 Moriyama-ku  
 J-Nagoya 463 0068  
 Tel: 0081-52/795 60 11  
 Fax: 0081-52/795 33 66  
 e-mail: postmiwa@miwa-inc.co.jp  
 Internet: http://www.miwa-inc.co.jp

**NL BT BLIJLEVEN TECHNIK**  
 Jan Schamhartstraat 22  
 NL-8121 CP Olst  
 Tel: 0031-570/631 980  
 Fax: 0031-570/676 581  
 e-mail: rblijleven@cs.com

**PL TABAL Sp. J.**  
 ul. Energetyków 14  
 PL-20-468 Lublin  
 Tel: 0048-(0)81/7490911  
 Fax: 0048-(0)81/7490128  
 e-mail: kanya@tabal.pl  
 Internet: http://www.tabal.pl

**S EIE MASKIN AB**  
 Vassgatan 3  
 S-41502 Göteborg  
 Tel: 0046-31/707 48 00  
 Fax: 0046-31/19 52 55  
 e-mail: eie@eie.se  
 Internet: http://www.eie.se

**USA A-LINE CORPORATION**  
 2233-M Interstate North Drive  
 USA-Charlotte N.C. 28206  
 Tel: 001-704/596 09 91  
 Fax: 001-704/596 23 02  
 e-mail: aline97@cs.com

**KANYA-Messebau-Partner weltweit**  
 Lüdemann & Co.  
 Internationaler Messebau  
 Segeberger Chaussee 175  
 D-22851 Norderstedt  
 Tel: 0049-40/524 3405  
 Fax: 0049-40/524 3258

**Headquaters** • KANYA AG/SA/Ltd. • Neuhofstrasse 9 • CH-8630 Rüti

Tél. 0041-(0)55/251 58 58 • Fax 0041-(0)55/251 58 68 • e-mail: info@kanya.com • Internet http://www.kanya.com