



RK ROSE+KRIEGER



*We are Dedicated to
Achieving Customer
Satisfaction Through
Continuous
Improvement.*



Rose+Krieger, a division of PMI, manufactures an extensive line of machine tool components in aluminum, steel and stainless steel for assembly, automation, and production environments.

RK FrameWorks[®], an easy-to-assemble extruded aluminum construction system consisting of a variety of extruded aluminum beams and hidden hardware connectors, is ideal for building industrial frames, workstations, machine guards, and production lines. The system offers design flexibility using “off-the-shelf” components and permits fast easy assembly of permanent and semi-permanent structures without costly machining or welding.

RK ClampWorks[®], a diverse and economical line of cast aluminum, steel or stainless steel clamps and tubing in metric/inch sizes, offers positioning and repositioning of production line structures. RK ClampWorks[®] is used for constructing or fixturing practically anything permanent or temporary, without the need for machining, welding, threading, fitting or special tools. Just twist the quick-release handle or turn a screw.

RK LinearWorks[®], a full complement of linear positioners, is essential to the machine integration process. RK LinearWorks[®] units are used for X, Y, and Z axes movements to fill many different design needs, whether it be left or right independent movement, single movement, or left and right bi-directional movement. Choose from sliding, lead-screw or motor-driven applications.

RK LiftWorks[®] includes a series of electronic lifting units and actuators for the industrial market.

We have attempted to present the information about our products in this catalog in a straight-forward manner. We offer this information as accurate at the time of publication. Specifications are subject to change without notice. Rose+Krieger is not responsible for inadvertent errors.

About Us



RK ClampWorks®

A versatile tube connection system consisting of cast aluminum clamps and tubing in metric/inch sizes, for fast positioning and repositioning of production line structures.



RK FrameWorks®

An easy to assemble extruded aluminum construction system, ideal for building industrial frames, workstations, machine guards and production lines.



RK StairWorks®

An innovative system of flush-fitting tube and joint clamps for building stairs, stair railings, guard railings, scaffolding, and working platforms of all kinds.



RK LinearWorks®

RK LiftWorks®

LinearWorks, a complete line of linear motion units essential to machine integration. LiftWorks includes electronic lifting units and actuators for the industrial market.



RK Rose+Krieger's product lines include a broad range of electro-mechanical components in aluminum and steel for assembly, automation and production environments. The "Works" from RK Rose+Krieger features RK ClampWorks® with over 1000 die-cast aluminum clamps in metric and inch sizes, complemented by numerous sizes of precise aluminum and steel tubing. RK StairWorks®, an easy to assemble system for constructing stairs, railings, and working platforms requires no special assembly tools. RK FrameWorks® is an aluminum extrusion construction system offering over 100 close-tolerance aluminum extruded profiles and various types of connectors, including RK Rose+Krieger's patented "Hidden Bracket" connection. RK LinearWorks® includes a complete line of linear motion units, including rolling guides, acme spindle units and timing belt linears, and the newest member of the RK Works™ family is RK LiftWorks®, a series of electronic lifting units and actuators for the industrial market.



RK Rose+Krieger is a customer service oriented manufacturer offering standard and customer-specific products and services. No project is too large or too small.

RK Rose+Krieger, a division of Phoenix Mecano, offers the highest quality products and services in the industry, all competitively priced. The North America headquarters, warehouse and manufacturing facilities are located in Frederick, Maryland. Visit our website, www.rose-krieger.com for details on our distributors and sales representative.

RK Rose+Krieger strives to exceed customer expectations through innovative high-quality products. RK Works™ provides the building blocks for sophisticated machine design, automation, and production line construction.

Terms and Conditions



This is an overview of our Terms and Conditions. A full written version is available on request. Terms and Conditions are subject to change without notice.

CATALOG LISTINGS	Most products listed in this catalog are available, at our stocking location in Frederick, Maryland. On occasion slow moving items may have to be brought in from our sister company in Germany. All specifications and descriptions are current, as of the time of publication. Product listings, specifications, availability, and pricing are subject to change without notice. Detailed drawings are available on the internet and directly from the company on request.
PRODUCT WARRANTY	<p>Phoenix Mecano Inc. warrants all its products to be free from defects in materials and workmanship. Phoenix Mecano's liability under this warranty shall be limited to ninety days after delivery of the product to the original purchaser. Disputed product must be returned to Phoenix Mecano with prepaid transportation charges. After examination by Phoenix Mecano, should the product be found to be defective we will repair or replace it from our factory. Any defect is to be determined by accepted testing methods at Phoenix Mecano Inc. Any returned product found to be defective would become the property of Phoenix Mecano, Inc.</p> <p>Phoenix Mecano Inc. shall not be liable to the purchaser for the cost of repairs, alterations, replacement, or any other expenses (including loss of profits, additional labor costs, or injury to persons or property caused by defective material or parts) incurred by the purchaser, their employees, or agents. One exception would be where Phoenix Mecano had previously authorized such repairs, alterations, or consequential damages.</p> <p>This warranty shall not apply to products, which have been altered or repaired, except by Phoenix Mecano, Inc., or which have been subjected to misuse, negligence, or accident, including the use or operation of the products while parts are loose, broken, out of order, or damaged by the elements.</p> <p>This warranty supersedes all other warranties, expressed or implied, including any implied warranty of merchantability, and of all other obligations or liability on the part of Phoenix Mecano, Inc.</p>
PRICING	RK Rose+Krieger offers standard OEM pricing based on quantity price breaks. For pricing information please contact our RK Rose+Krieger sales staff or your local distributor. Prices are subject to change without notice.
RETURNS	<ol style="list-style-type: none">1. All returns must be accompanied by an RMA (return merchandise authorization). Please call your inside salesperson for an RMA number. Invoice or Packing Slip number must accompany return.2. All returns due to customer error must be made within 30 days from the date of the invoice.3. Warranty returns must be made within 90 days from the date of the invoice.4. All returned product must be in resalable condition and in the original carton.5. Off-the-shelf parts, returned due to customer error, are subject to a minimum 15% restocking charge.6. Defective merchandise returns are evaluated on an individual basis.7. Parts that have been modified and special order items are not returnable.
METHODS OF PAYMENT	RK Rose+Krieger has four methods of payment; Net 30 day credit, C.O.D, credit card and pre-payment.
NET 30 ACCOUNTS	Net 30-account status is generally granted to qualified customers with appropriate credit and banking references. Terms of payment are net 30 days. Past due accounts are subject to late payment charge of 1½% per month.
C.O.D. ACCOUNTS	C.O.D. orders for product that has value-added operations performed by RK Rose+Krieger require 50% down payment at time of order. The balance will be collected at time of shipment.
CREDIT CARD ACCOUNTS	RK Rose+Krieger accepts American Express, Discover, Master Card, Visa, or electronic funds transfers.
PREPAYMENTS	Payments can be made electronically directly to our bank account. Please contact an Accounts Receivable representative for our banking information.
TO OPEN A NEW ACCOUNT	To open a new account, please complete the credit application form in the back of this catalog. Fill out all references for credit contact. Names, addresses and telephone numbers will speed processing of your application. RK Rose+Krieger must have the credit application filled out in writing and signed BY CUSTOMER ONLY. Applications may be mailed or faxed (301-696-9493) to our Accounting Department in order to process a credit request. Please allow sufficient processing time.
SALES TAX	We are required by law to charge and collect Maryland sales tax. If you wish to avoid us charging state sales tax, you must submit a state sales tax exemption certificate annually to RK Rose+Krieger. Sales tax will always be charged unless otherwise indicated.
MINIMUM ORDER	All orders are subject to a minimum order value of \$100.00
SHIPMENT DAMAGE	Our products are inspected and carefully packed for shipment. In the event an item is damaged in shipment, you must submit a claim to the carrier within 15 days of delivery. We advise that you unpack and inspect all merchandise immediately upon receiving it. If damage does not become apparent until the shipment is unpacked, keep the shipping carton and make a request within 72 hours for inspection by the carrier's agent and file a claim with the carrier. Any external evidence of loss or damage must be noted on the freight bill. Failure to do this will result in the carrier refusing to honor the claim. RK Rose+Krieger will not be responsible for shipment damage or lost parts due to such damage.
DELIVERY	Items are shipped F.O.B. Frederick, Maryland. All orders are shipped UPS unless the weight prohibits shipment by this method. On heavier shipments we will attempt to ship by the carrier of your choice.
SAME DAY SHIPMENT	All orders to be shipped Air and received by 4 p.m. EST are shipped the same day. All UPS shipments are prepaid and charges added to the invoice, unless otherwise requested.
LARGE ITEMS AND SPECIAL HANDLING	For heavy shipments, common carrier truck is the most economical. Charges are F.O.B. shipping point and the product is shipped freight prepaid and charges are added to your invoice, unless otherwise requested.
BLANKET ORDERS	<ol style="list-style-type: none">1. A "Blanket Purchase Order" is an agreement between two parties, "Seller/Buyer" to purchase a specific quantity of products over a specified period of time "Not to Exceed 12 Months".2. Blanket Orders cannot be changed or canceled without 90-day advance written notice. Customer will be responsible for all parts manufactured for shipment within this 90-day period.3. Blanket Orders canceled for standard items will result in customer being billed back for the difference between the price break of quantity received, versus total quantity ordered.4. Blanket Orders for modified or special order products must state Non-cancelable/Non-returnable on the Purchase Order.5. All Blanket Orders must have firm ship dates stated on the Purchase Order for every release.

RK Clampworks® Tube Connection System

Flexibility is an essential aspect of modern industrial plants. Equipment and machinery must constantly be modified or adapted to customer requirements and changing market trends. Whenever possible, an industrial plant should be automated. In most industrial settings there is always a need for scaffolds and structures because work must be moved on conveyors.

Most conventional structures are made of elements that have to be bolted or welded. Accordingly, additions or modifications to these structures become extremely difficult and require costly solutions to revise. This often results in shutting down a manufacturing line for upgrades. These problems confronted RK Rose+Krieger engineers in their quest for flexible construction systems. Their solution was to design the RK Rose+Krieger tube and clamp modular construction system. A system that allows for easy installation, easy modification and "off-the-shelf" components.

The RK Rose+Krieger tube and clamp connection system can be configured using an infinite variety of sizes, shapes and clamp fixtures, offering a high degree of flexibility, which is beneficial to virtually all industries. Applications include production assembly, all areas of material handling, mechanical engineering, OEM machinery design, the automotive industry, as well as highly sensitive applications like food packaging, beverage and chemical processing.

Flexibility is not the only advantage of RK Rose+Krieger's tube connection system. RK clamps allow you to make any mechanical structure in the shortest amount of time possible, simply by clamping. The RK Rose+Krieger tube and clamp connection system offers considerable cost and time savings over traditional connection techniques that require custom fabrication or permanent welding.

Additionally, structures built with RK Rose+Krieger clamps excel due to extraordinary stability and the ability to hold heavy loads such as machinery and raw materials. RK clamps are the perfect solution for building structures that hold heavy industrial components at a particular point in space, accurately, and without movement.

All RK Rose+Krieger clamps are re-usable, which adds greatly to the cost-effectiveness of building an industrial manufacturing system using RK clamps.

QUAD® Connection System

RK Rose+Krieger quad clamps are made from high quality extruded aluminum. Clamp surfaces are anodized to provide a modern appearance to your designs. The RK Rose+Krieger quad clamp tube assembly system offers flexibility, extreme stability, high capacity load bearing and...there is no need for drilling, welding or painting. You can vary the combination of parts: join in any direction; or extended as far as you like. RK Rose+Krieger offers a variety of solutions for any mechanical building problem whether it be scaffolding, frames or swing arms. Because square hole configurations work with square tubing and the RK Frameworks® assembly system, the possibilities are endless as to what can be built with RK Rose+Krieger components. Plus... all systems are naturally economical, since all parts are easy to dismantle and re-assemble into different designs.

Standard Types and Arrangements:

The RK Rose+Krieger tube clamps are a system of elements specifically designed for variable and quick connection of tubes, both round and square of equal or different sizes. The system is comprised of a full range of adjustable clamps. Round and square tubing is available in steel, aluminum or stainless steel.

Angle Clamps: Intersecting at 90° angle

Base Clamps: Connecting tubes at 90° to a surface

Cross Clamps: Crossing at a 90° angle

Flange Clamps: Connecting tubes parallel to a surface

Hinge Clamps: Adjustable to 180° infinitely or engaging at 15° intervals

Insert Clamps: Insert allows swiveling of tubes to a flat surface

Mounting Clamps: Connecting tubes to a flat surface

Parallel Clamps: Connecting tubes in parallel

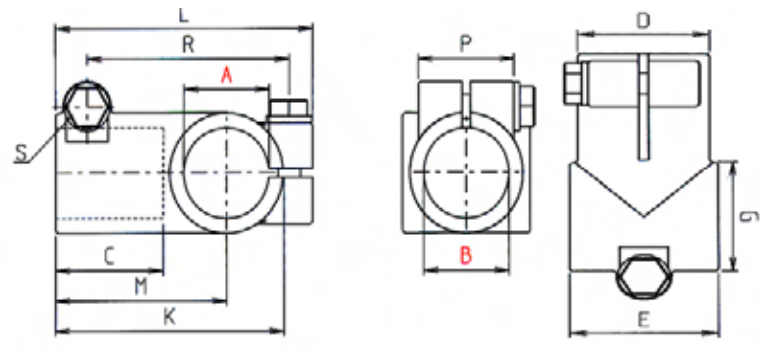
Sleeve Clamps: Connecting tubes of the same to different diameters



Industrial Clamps



W Angle Clamps

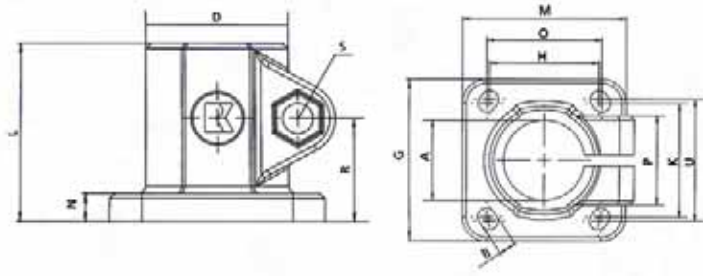


Code Number	Part Number	Type	A†	B†	C	D	E	G	K	L	M	P	R	S	m [g]
			Inches												
Inch clamps available in USA, Canada and Mexico only	RAA.0505	W	.500"	.500"	28	26	32	26	56	66	43	23	49	M6x20	97
	RAA.0707	W	.750"	.750"	28	26	32	26	56	66	43	23	49	M6x20	75
	RAA.1010	W	1.00"	1.00"	40	40	45	40	80	93	60	33	72.5	M8x25	240
	RAA.1212	W	1.25"	1.25"	40	40	45	40	80	93	60	33	72.5	M8x25	192
	RAA.1515	W	1.50"	1.50"	60	56	60	56	117	134	88	40	108	M10x30	623
	RAA.2020	W	2.00"	2.00"	65	66	70	66	136	149	98	45	123	M10x35	710

Dimensions in Millimeters															
113 000 000	RAA.0030	W 30	30.10	30.10	40	40	45	40	80	93	60	33	72.5	M8x25	192
115 000 000	RAA.0050	W 50	50.22	50.22	65	66	70	66	136	149	98	45	123	M10x35	710

† = Tube Hole

FS Base Clamps



Code Number	Part Number	Type	A†	B†	D	G	H**	K**	L	M	N	O	P	R	S	U	m [g]
			Inches														
Inch clamps available in USA, Canada and Mexico only	RBC.0500	FS	.500"	.500"	25	42	30	30	37	42	5	-	23	21.0	M6x20	28	65
	RBC.0600	FS	.625"	.625"	25	42	30	30	37	42	5	-	23	21.0	M6x20	28	57
	RBC.0700	FS	.750"	.750"	25	42	30	30	37	42	5	-	23	31.0	M6x20	28	52
	RBC.1000	FS	1.00"	1.00"	40	60	40	45	50	60	8	42	33	29.0	M8x25	42	164
	RBC.1200	FS	1.25"	1.25"	40	60	40	45	50	60	8	42	33	29.0	M8x25	42	137
	RBC.1500	FS	1.50"	1.50"	56	90	60	60	70	90	10	64	40	40.0	M10x30	64	450
	RBC.2000	FS	2.00"	2.00"	66	105	74	74	85	105	14	80	45	49.5	M10x35	80	603

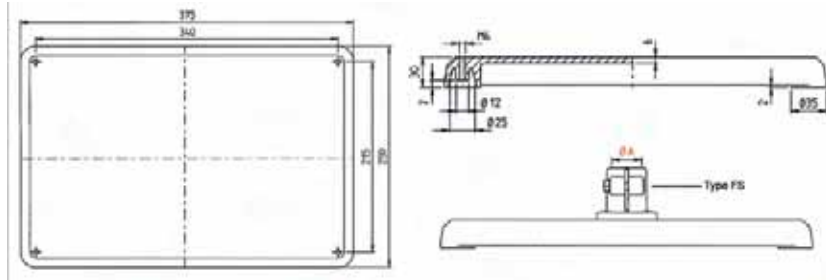
Dimensions in Millimeters																	
131 200 000	RBC.0012	FS 12	12.1	5.5	25	42	30	30	37	42	5	-	23	21	M6x20	28	65
131 400 000	RBC.0014	FS 14	14.1	5.5	25	42	30	30	37	42	5	-	23	21	M6x20	28	61
131 600 000	RBC.0016	FS 16	16.1	5.5	25	42	30	30	37	42	5	-	23	21	M6x20	28	57
131 800 000	RBC.0018	FS 18	18.1	5.5	25	42	30	30	37	42	5	-	23	21	M6x20	28	52
132 000 000	RBC.0020	FS 20	20.1	6.5	40	60	40	45	50	60	8	42	33	29	M8x25	42	186
132 500 000	RBC.0025	FS 25	25.1	6.5	40	60	40	45	50	60	8	42	33	29	M8x25	42	164
133 000 000	RBC.0030	FS 30	30.1	6.5	40	60	40	45	50	60	8	42	33	29	M8x25	42	137
133 500 000	RBC.0035	FS 35	35.17	8.5	56	90	60	60	70	90	10	64	40	40	M10x30	64	450
134 000 000	RBC.0040	FS 40	40.17	8.5	56	90	60	60	70	90	10	64	40	40	M10x30	64	385
135 000 000	RBC.0050	FS 50	50.22	10.50	66	105	74	74	85	105	14	80	45	49.5	M10x35	80	603
136 000 000	RBC.0060	FS 60	60.27	10.50	80	110	80	80	100	120	15	89	58	57.5	M12x45	89	935

† = Tube Hole

**Type 20-30, 40, 50, 60 with slotted hole

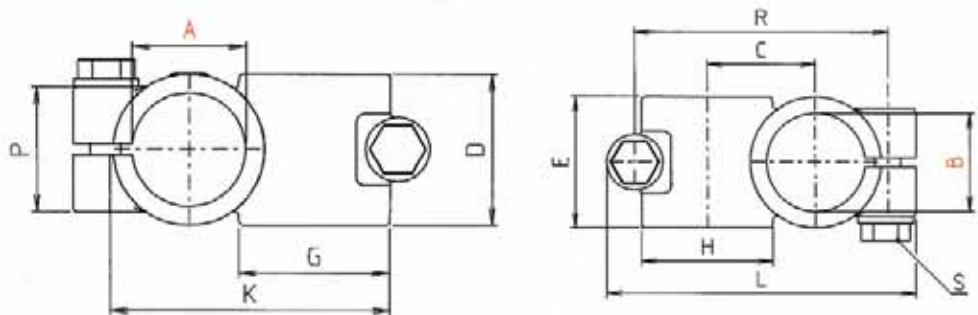
Industrial Clamps

FP FS Base Clamps



Code Number	Part Number	Type	A	m [g]
Dimensions in Millimeters				
230 000 100		FP		1960
232 000 120		FP FS 20	20.00	2141
232 200 120		FP FS 32	32.15	2459
233 500 120		FP FS 35	35.15	2434
234 000 120		FP FS 40	40.15	2391

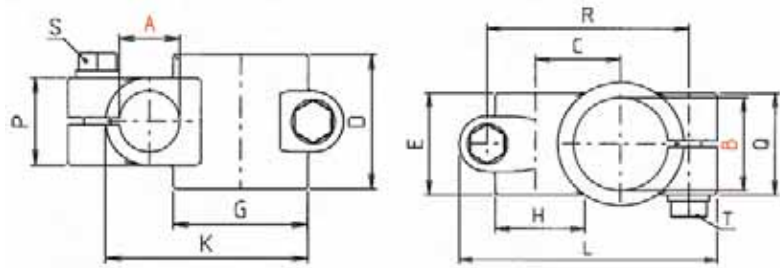
K Cross Clamps



Code Number	Part Number	Type	A†	B†	C	D	E	G	H	K	L	P	R	S	m [g]
			Inches		Millimeters										
Inch clamps available in USA, Canada and Mexico only	RXA.0505	K	.500"	.500"	20	25.5	25.5	-	-	43.5	66	23	49	M6x20	75
	RXA.0606	K	.625"	.625"	20	25.5	25.5	-	-	43.5	66	23	49	M6x20	64
	RXA.0707	K	.750"	.750"	20	25.5	25.5	-	-	43.5	66	23	49	M6x20	57
	RXA.1010	K	1.00"	1.00"	33	40.0	40.0	-	-	73.0	99	33	78	M8x25	217
	RXA.1212	K	1.25"	1.25"	33	40.0	40.0	-	-	73.0	99	33	78	M8x25	173
	RXA.1515	K	1.50"	1.50"	45	60.0	60.0	56	56	101.0	137	40	111	M10x30	617
	RXA.1717	K	1.75"	1.75"	53	70.0	70.0	66	66	119.0	154	45	128	M10x35	907
RXA.2020	K	2.00"	2.00"	53	70.0	70.0	66	66	119.0	154	45	128	M10x35	699	
Dimensions in Millimeters															
101 200 000	RXA.0012	K 12	12.1	12.1	20	25.50	25.50	-	-	43.5	66	23	49	M6x20	75
101 400 000	RXA.0014	K 14	14.1	14.1	20	25.50	25.50	-	-	43.5	66	23	49	M6x20	70
101 500 000	RXA.0015	K 15	15.1	15.1	20	25.50	25.50	-	-	43.5	66	23	49	M6x20	67
101 600 000	RAX.0016	K 16	16.1	16.1	20	25.50	25.50	-	-	43.5	66	23	49	M6x20	64
101 800 000	RXA.0018	K 18	18.1	18.1	20	25.50	25.50	-	-	43.5	66	23	49	M6x20	57
102 000 000	RXA.0020	K 20	20.1	20.1	33	40.00	40.00	-	-	73	99	33	78	M8x25	252
102 500 000	RXA.0025	K 25	25.1	25.1	33	40.00	40.00	-	-	73	99	33	78	M8x25	217
103 000 000	RXA.0030	K 30	30.1	30.1	33	40.00	40.00	-	-	73	99	33	78	M8x25	173
103 500 000	RXA.0035	K 35	35.17	35.17	45	60.00	60.00	56	56	101	137	40	111	M10x30	617
104 000 000	RXA.0040	K 40	40.17	40.17	45	60.00	60.00	-	-	103	137	40	111	M10x30	527
105 000 000	RXA.0050	K 50	50.20	50.20	53	70.00	70.00	66	66	119	154	45	128	M10x35	699
106 000 000	RXA.0060	K 60	60.27	60.25	65	80.00	80.00	-	-	142.5	190	58	158	M12x45	1101

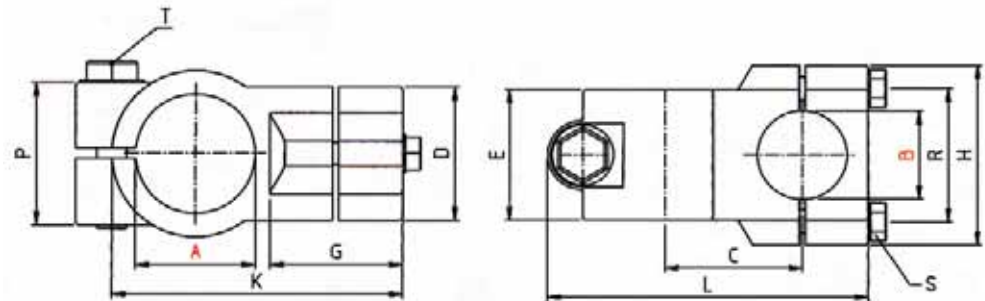
† = Tube Hole

KD Cross Clamps



Code Number	Part Number	Type	Inches		Millimeters														m [g]
			A†	B†	C	D	E	G	H	K	L	P	Q	R	S	T			
Inch clamps available in USA, Canada and Mexico only	RXB.1005	KD	.500"	1.00"	27	40	33	40	23.5	60	84	21	33	65	M6x18	M8x25	154		
	RXB.1006	KD	.625"	1.00"	27	40	33	40	23.5	60	84	21	33	65	M6x18	M8x25	150		
	RXB.1007	KD	.750"	1.00"	27	40	33	40	23.5	60	84	21	33	65	M6x18	M8x25	124		
	RXB.1205	KD	.500"	1.25"	27	40	33	40	23.5	60	84	21	33	65	M6x18	M8x25	135		
	RXB.1206	KD	.500"	1.25"	27	40	33	40	23.5	60	84	21	33	65	M6x18	M8x25	132		
	RXB.1207	KD	.500"	1.25"	27	40	33	40	23.5	60	84	21	33	65	M6x18	M8x25	130		
	RXB.1210	KD	1.00"	1.25"	36	50	40	52	32.0	78	98	28	43	80	M8x30	M8x45	276		
	RXB.1510	KD	1.00"	1.50"	36	50	40	52	32.0	78	98	28	43	80	M8x30	M8x45	257		
	RXB.1710	KD	1.00"	1.75"	45	65	65	66	48.0	102	126	43	58	102	M10x45	M10x60	640		
	RXB.1712	KD	1.25"	1.75"	45	65	65	66	48.0	102	126	43	58	102	M10x45	M10x60	640		
	RXB.2010	KD	1.00"	2.00"	45	65	49	65	45.0	60	137.5	44	44	108.5	M10x35	M10x35	576		
	RXB.2012	KD	1.25"	2.00"	45	65	49	65	45.0	60	137.5	44	44	108.5	M10x35	M10x35	564		

KR Cross Clamps

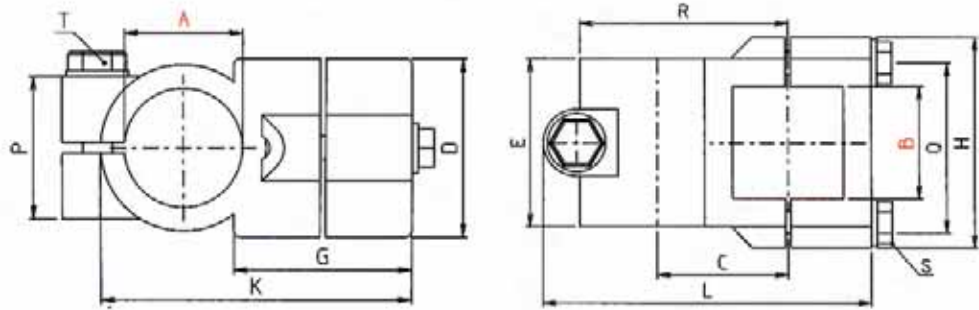


Code Number	Part Number	Type	Inches		Millimeters														m [g]
			A†	B†	C	D	E	G	H	K	L	P	Q	R	S	T			
	RXC.1010	KR	1.00"	1.00"	33	45	45	40	62	74.5	85	33	46	55	M8x35	M8x35	287		
			Dimensions in Millimeters																
103 000 020	RXC.0030	KR 30	30.1	30.1	33	45	45	40	62	74.5	85	33	46	55	M8x35	M8x35	257		

† = Tube Hole

Industrial Clamps

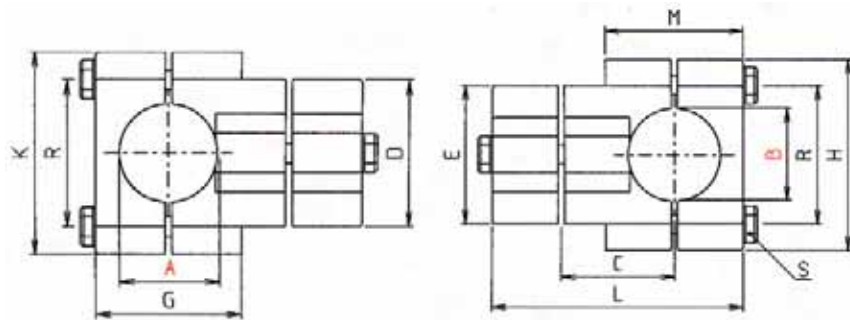
KVR Cross Clamps



Code Number	Part Number	Type	Inches		Millimeters													m [g]
			A†	B†	C	D	E	G	H	K	L	P	Q	R	S	T		
Inch clamps available in USA, Canada and Mexico only	RXD.1010	KVR	1.00"	1.00"	33	45	45	40	62	74.5	85	33	46	55	M8x35	M8x35	286	
	RXD.1212	KVR	1.25"	1.25"	33	45	45	40	62	74.5	85	33	46	55	M8x35	M8x35	245	
	RXD.1515	KVR	1.50"	1.50"	47	60	60	60	75	105	117	48	57	75	M8x45	M10x50	599	
Dimensions in Millimeters																		
102 000 040	RXD.0020	KVR 20	20.1	20.2	33	45	45	40	62	74.5	85	33	46	55	M8x35	M8x35	332	
102 500 040	RXD.0025	KVR 25	25.1	25.2	33	45	45	40	62	74.5	85	33	46	55	M8x35	M8x35	286	
103 000 040	RXD.0030	KVR 30	30.1	30.2	33	45	45	40	62	74.5	85	33	46	55	M8x35	M8x35	245	
103 500 040	RXD.0035	KVR 35	35.2	35.3	47	60	60	60	75	105	117	48	57	75	M8x45	M10x50	599	
104 000 040	RXD.0040	KVR 40	40.2	40.3	47	60	60	60	75	105	117	48	57	75	M8x45	M10x50	525	

† = Tube Hole

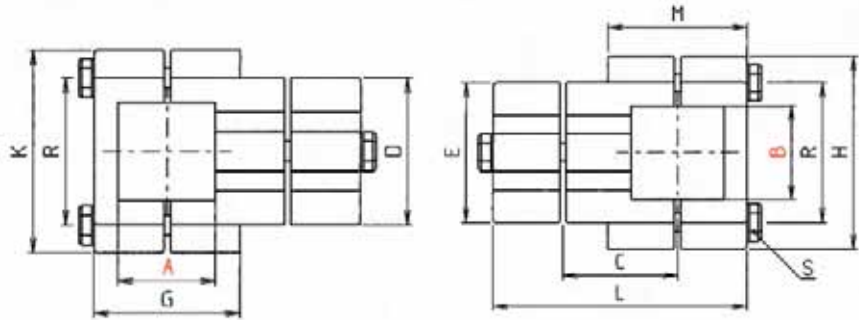
KRR Cross Clamps



Code Number	Part Number	Type	Inches		Millimeters											m [g]
			A†	B†	C	D	E	G	H	K	L	M	R	S		
Inch clamps available in USA, Canada and Mexico only	RXE.1010	KRR	1.00"	1.00"	38	45	45	44	62	62	83	44	46	M8x45	369	
	RXE.1212	KRR	1.25"	1.25"	38	45	45	44	62	62	83	44	46	M8x45	352	
	RXE.1515	KRR	1.50"	1.50"	50	60	60	60	75	75	110	60	57	M8x60	668	
Dimensions in Millimeters																
102 500 030	RXE.0025	KRR 25	25.2	25.2	38	45	45	44	62	62	83	44	46	M8x45	369	
103 000 030	RXE.0030	KRR 30	30.2	30.2	38	45	45	44	62	62	83	44	46	M8x45	352	
103 500 030	RXE.0035	KRR 35	35.2	35.2	50	60	60	60	75	75	110	60	57	M8x60	668	
104 000 030	RXE.0040	KRR 40	40.2	40.2	50	60	60	60	75	75	110	60	57	M8x60	645	

† = Tube Hole

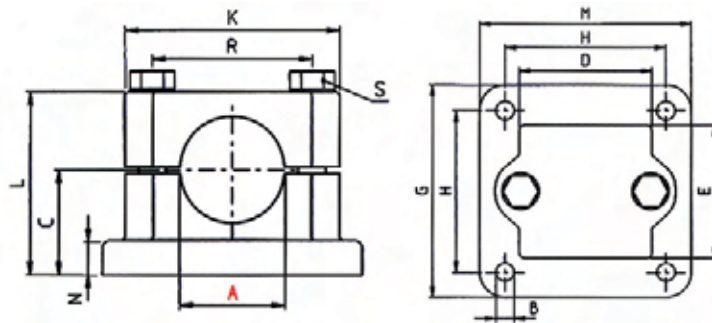
KV Cross Clamps



Code Number	Part Number	Type	Inches		Millimeters											m [g]
			A†	B†	C	D	E	G	H	K	L	M	R	S		
Inch clamps available in USA, Canada and Mexico only	RXF.1010	KV	1.00"	1.00"	38	45	45	44	62	62	83	44	46	M8x45	353	
	RXF.1212	KV	1.25"	1.25"	38	45	45	44	62	62	83	44	46	M8x45	321	
	RXF.1515	KV	1.50"	1.50"	50	60	60	60	75	75	110	60	57	M8x60	637	
Dimensions in Millimeters																
102 000 050	RXF.0020	KV 20	20.3	20.3	38	45	45	44	62	62	83	44	46	M8x45	385	
102 500 050	RXF.0025	KV 25	25.2	25.2	38	45	45	44	62	62	83	44	46	M8x45	353	
103 000 050	RXF.0030	KV 30	30.2	30.2	38	45	45	44	62	62	83	44	46	M8x45	321	
103 500 050	RXF.0035	KV 35	35.3	35.3	50	60	60	60	75	75	110	60	57	M8x60	637	
104 000 050	RXF.0040	KV 40	40.3	40.3	50	60	60	60	75	75	110	60	57	M8x60	584	

† = Tube Hole

FKR Flange Clamps

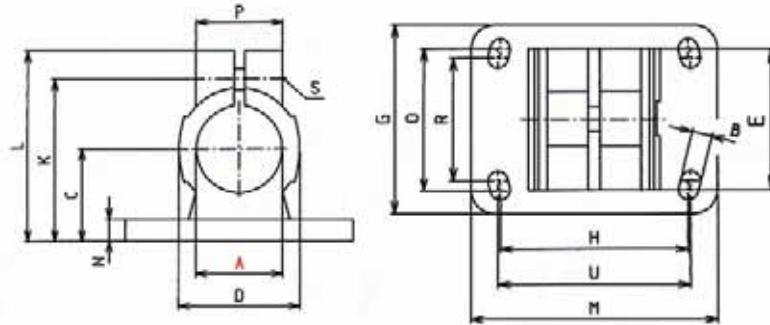


Code Number	Part Number	Type	Inches		Millimeters											m [g]
			A†	B†	C	D	E	G	H	K	L	M	N	R	S	
Inch clamps available in USA, Canada and Mexico only	RFB.1000	FKR	1.00"	1.00"	30	45	45	75	57	62	52.5	75	10	46	M8x50	301
	RFB.1200	FKR	1.25"	1.25"	30	45	45	75	57	62	52.5	75	10	46	M8x50	285
	RFB.1500	FKR	1.50"	1.50"	40	60	60	100	76	75	70.0	100	10	57	M8x70	569
Dimensions in Millimeters																
122 500 030	RFB.0025	FKR 25	25.2	6.5	30	45	45	75	57	62	52.5	75	10	46	M8x50	301
123 000 030	RFB.0030	FKR 30	30.2	6.5	30	45	45	75	57	62	52.5	75	10	46	M8x50	285
123 500 030	RFB.0035	FKR 35	35.2	8.5	40	60	60	100	76	75	70.0	100	10	57	M8x70	569
124 000 030	RFB.0040	FKR 40	40.2	8.5	40	60	60	100	76	75	70.0	100	10	57	M8x70	545

† = Tube Hole

Industrial Clamps

FK Flange Clamps



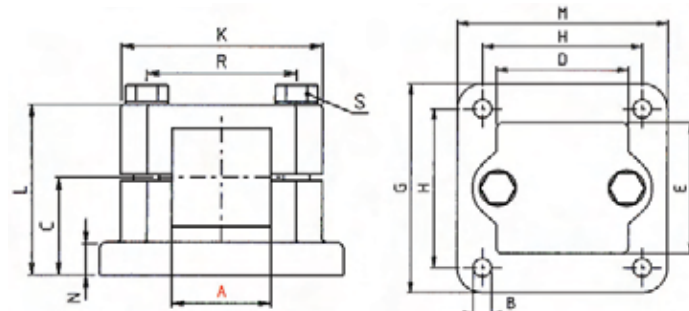
Code Number	Part Number	Type	Inches		Millimeters															m [g]
			A†	B†	C	D	E	G	H**	K	L	M	N	O*	P	R	S	U		
Inch clamps available in North America only	RFA.0500	FK	.500"	.500"	18	26	32	35	40	32.5	42.5	50	5	-	23	-	M6x20	-	67	
	RFA.0600	FK	.625"	.625"	18	26	32	35	40	32.5	42.5	50	5	-	23	-	M6x20	-	60	
	RFA.0700	FK	.750"	.750"	18	26	32	35	40	32.5	42.5	50	5	-	23	-	M6x20	-	56	
	RFA.1000	FK	1.00"	1.00"	30	40	40	55	60	53	63	78	7	-	33	-	M8x25	53	181	
	RFA.1200	FK	1.25"	1.25"	30	40	40	55	60	53	63	78	7	-	33	-	M8x25	53	159	
	RFA.1500	FK	1.50"	1.50"	42	56	60	80	80	74	87	105	10	60	40	52	M10x30	82	449	
	RFA.1700	FK	1.75"	1.75"	50	66	65	90	98	85	98	128	14	62	45	60	M10x35	100	682	
	RFA.2000	FK	2.00"	2.00"	50	66	65	90	98	85	98	128	14	62	45	60	M10x35	100	585	
	RFA.2500	FK	2.50"	2.50"	60	80	80	110	100	107	123	150	15	80	58	74	M12x45	118	1048	

Dimensions in Millimeters

121 200 000	RFA.0012	FK 12	12.1	5.5	18	26	35	37	40	32.5	42.5	50	5	-	23	-	M6x20	38	67
121 400 000	RFA.0014	FK 14	14.1	5.5	18	26	35	37	40	32.5	42.5	50	5	-	23	-	M6x20	38	64
121 500 000	RFA.0015	FK 15	15.1	5.5	18	26	35	37	40	32.5	42.5	50	5	-	23	-	M6x20	38	62
121 600 000	RFA.0016	FK 16	16.1	5.5	18	26	35	37	40	32.5	42.5	50	5	-	23	-	M6x20	38	60
121 800 000	RFA.0018	FK 18	18.1	5.5	18	26	35	37	40	32.5	42.5	50	5	-	23	-	M6x20	38	56
122 000 000	RFA.0020	FK 20	20.1	6.5	30	40	40	55	60	53	63	78	7	-	33	-	M8x25	53	199
122 500 000	RFA.0025	FK 25	25.1	6.5	30	40	40	55	60	53	63	78	7	-	33	-	M8x25	53	181
123 000 000	RFA.0030	FK 30	30.1	6.5	30	40	40	55	60	53	63	78	7	-	33	-	M8x25	53	159
123 500 000	RFA.0035	FK 35	35.15	8.5	42	56	60	80	80	74	87	105	10	60	40	52	M10x30	82	449
124 000 000	RFA.0040	FK 40	40.17	8.5	42	56	60	80	80	74	87	105	10	60	40	52	M10x30	82	404
125 000 000	RFA.0050	FK 50	50.22	10.5	50	66	65	90	98	85	98	128	14	62	45	60	M10x35	100	585
126 000 000	RFA.0060	FK 60	60.27	10.5	60	80	80	110	100	107	123	150	15	80	58	74	M12x45	118	1048
128 000 000	RFA.0080	FK 80	80.35	17.5	80	110	123	164.7	140	140	162.5	180	20	120	82	-	M16x65	-	2930

† = Tube Hole *bis Ø30; 2 flange drillings **Type 20-42, 48-50, 60 with slotted hole

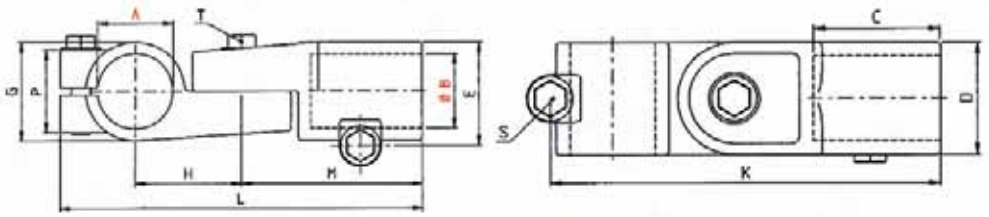
FKV Flange Clamps



Code Number	Part Number	Type	Inches		Millimeters													m [g]
			A†	B†	C	D	E	G	H	K	L	M	N	R	S			
Inch clamps available in North America only	RFC.1000	FKV	1.00"	1.00"	30	45	45	75	57	62	52.5	75	10	46	M8x50	292		
	RFC.1200	FKV	1.25"	1.25"	30	45	45	75	57	62	52.5	75	10	46	M8x50	273		
	RFC.1500	FKV	1.50"	1.50"	40	60	60	100	76	75	70.0	100	10	57	M8x70	555		
Dimensions in Millimeters																		
122 500 050	RFC.0025	FKV 25	25.3	6.5	30	45	45	75	57	62	52.5	75	10	46	M8x50	292		
123 000 050	RFC.0030	FKV 30	30.3	6.5	30	45	45	75	57	62	52.5	75	10	46	M8x50	273		
123 500 050	RFC.0035	FKV 35	35.4	8.5	40	60	60	100	76	75	70.0	100	10	57	M8x70	555		
124 000 050	RFC.0040	FKV 40	40.4	8.5	40	60	60	100	76	75	70.0	100	10	57	M8x70	530		

† = Tube Hole

GW Hinge Clamps



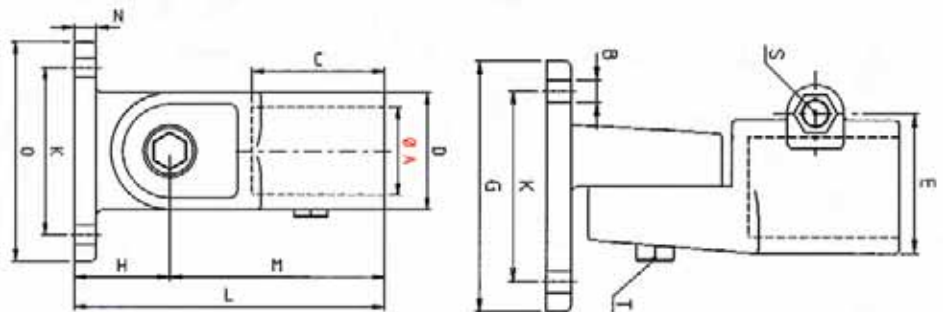
Code Number	Part Number	Type	Inches		Millimeters												
			A†	B†	C	D	E	G	H	K	L	M	P	S	T	m [g]	
Inch clamps available in North America only	RHA.0505	GW	.500"	.500"	25	26	29.4	26	27	84	95.5	44	21	M6x16	M6x16	135	
	RHA.0606	GW	.625"	.625"	25	26	29.4	26	27	84	95.5	44	21	M6x16	M6x16	123	
	RHA.0707	GW	.750"	.750"	25	26	29.4	26	27	84	95.5	44	21	M6x16	M6x16	115	
	RHA.1010	GW	1.00"	1.00"	45	40	40.0	40	43	136	146	73	33	M8x35	M8x35	346	
	RHA.1212	GW	1.25"	1.25"	45	40	40.0	40	43	136	146	73	33	M8x35	M8x35	300	
	RHA.1515	GW	1.50"	1.50"	60	56	56.0	56	60	188	200	100	48	M10x50	M10x50	900	
	RHA.1717	GW	1.75"	1.75"	70	66	66.0	66	70	218	230	115	58	M10x60	M10x60	1335	
RHA.2020	GW	2.00"	2.00"	70	66	66.0	66	70	218	230	115	58	M10x60	M10x60	1121		

Dimensions in Millimeters

181 200 010	RHA.0012	GW 12	12.1	12.1	25	26	29.4	26	27	84	95.5	44	21	M6x16	M6x16	135
181 400 010	RAH.0014	GW 14	14.1	14.1	25	26	29.4	26	27	84	95.5	44	21	M6x16	M6x16	129
181 600 010	RHA.0016	GW 16	16.1	16.1	25	26	29.4	26	27	84	95.5	44	21	M6x16	M6x16	123
181 800 010	RHA.0018	GW 18	18.1	18.1	25	26	29.4	26	27	84	95.5	44	21	M6x16	M6x16	115
182 000 010	RHA.0020	GW 20	20.0	20.0	45	40	40.0	40	43	136	146	73	33	M8x35	M8x35	387
182 500 010	RHA.0025	GW 25	25.1	25.1	45	40	40.0	40	43	136	146	73	33	M8x35	M8x35	346
183 000 010	RHA.0030	GW 30	30.1	30.1	45	40	40.0	40	43	136	146	73	33	M8x35	M8x35	300
183 200 010	RHA.0032	GW 32	32.2	32.2	60	56	56.0	56	60	188	200	100	48	M10x50	M10x50	961
183 500 010	RHA.0035	GW 35	35.2	35.2	60	56	56.0	56	60	188	200	100	48	M10x50	M10x50	900
184 000 010	RHA.0040	GW 40	40.2	40.2	60	56	56.0	56	60	188	200	100	48	M10x50	M10x50	810
184 200 010	RHA.0042	GW 42	42.2	42.2	70	66	66.0	66	70	218	230	115	58	M10x60	M10x60	1335
185 000 010	RHA.0050	GW 50	50.2	50.2	70	66	66.0	66	70	218	230	115	58	M10x60	M10x60	1121

† = Tube Hole

GF Hinge Clamps



Code Number	Part Number	Type	Inches		Millimeters												
			A†	B†	C	D	E	G	H	K	L	M	N	O	S	T	m [g]
Inch clamps available in North America only	RHD.1000	GF	1.00"	1.00"	45	40	40.0	75	33	57	106	73	7	75	M8x35	M8x35	374
	RHD.1200	GF	1.25"	1.25"	45	40	40.0	75	33	57	106	73	7	75	M8x35	M8x35	325
	RHD.1500	GF	1.50"	1.50"	60	56	56.0	100	44	76	144	100	10	100	M10x50	M10x50	880
	RHD.2000	GF	2.00"	2.00"	70	66	66.0	125	52	98	167	115	12	125	M10x60	M10x60	1213

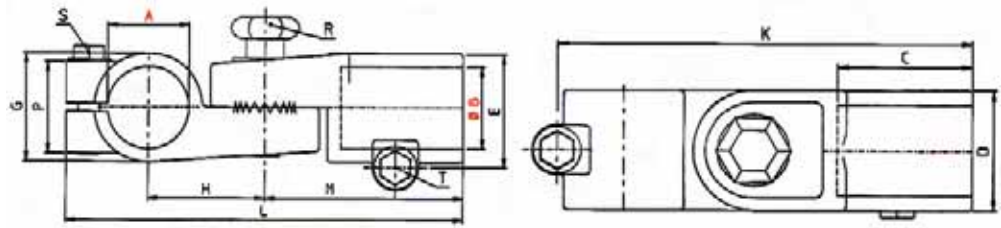
Dimensions in Millimeters

183 000 020	RHD.0030	GF 30	30.1	6.5	45	40	40.0	75	33	57	106	73	7	75	M8x35	M8x35	325
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† = Tube Hole

Industrial Clamps

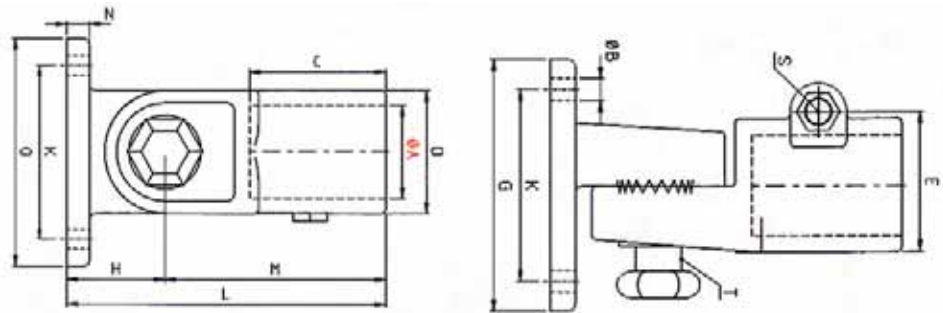
GWZ Hinge Clamps



Code Number	Part Number	Type	Inches								Millimeters								m [g]
			A†	B†	C	D	E	G	H	K	L	M	P	R	S	T			
Inch clamps available in USA, Canada and Mexico only	RHE.0505	GWZ	.500"	.500"	25	26	29.4	26	27	84	95.5	44	21	M6x26	M6x16	M6x16	135		
	RHE.0707	GWZ	.750"	.750"	25	26	29.4	26	27	84	95.5	44	21	M6x26	M6x16	M6x16	115		
	RHE.1010	GWZ	1.00"	1.00"	45	40	40.0	40	43	136	146	73	33	M8x40	M8x35	M8x35	391		
	RHE.1515	GWZ	1.50"	1.50"	60	56	56.0	56	60	188	200	100	48	M10x50	M10x50	M10x50	943		

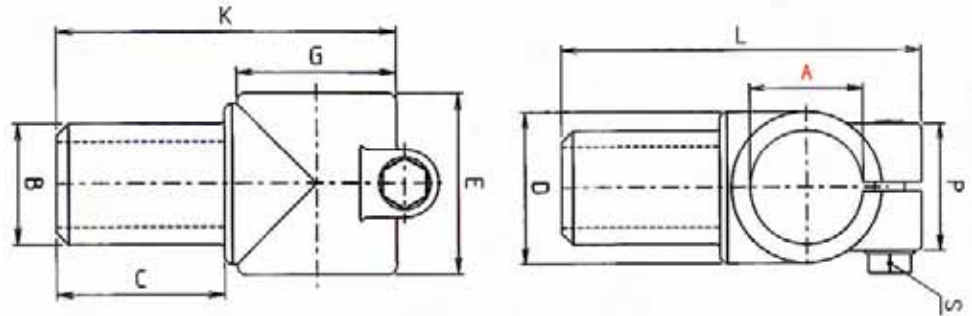
† = Tube Hole

GFZ Hinge Clamps



Code Number	Part Number	Type	Inches								Millimeters								m [g]
			A†	B†	C	D	E	G	H	K	L	M	N	O	S	T			
Inch clamps available in USA, Canada and Mexico only	RHH.0700	GFZ	.750"	.750"	25	26	29.4	50	27.0	40	64.0	44	5	35	M6x16	M6x26	96		
	RHH.1000	GFZ	1.00"	1.00"	45	40	40.0	75	32.5	57	105.5	73	7	75	M8x35	M8x40	398		
	RHH.1200	GFZ	1.25"	1.25"	45	40	40.0	75	32.5	57	105.5	73	7	75	M8x35	M8x40	368		
	RHH.1500	GFZ	1.50"	1.50"	60	56	56.0	100	44.0	76	144.0	100	10	100	M10x50	M10x50	923		
	RHH.2000	GFZ	2.00"	2.00"	70	66	66.0	125	52.0	98	167.0	115	12	125	M10x60	M10x60	1287		

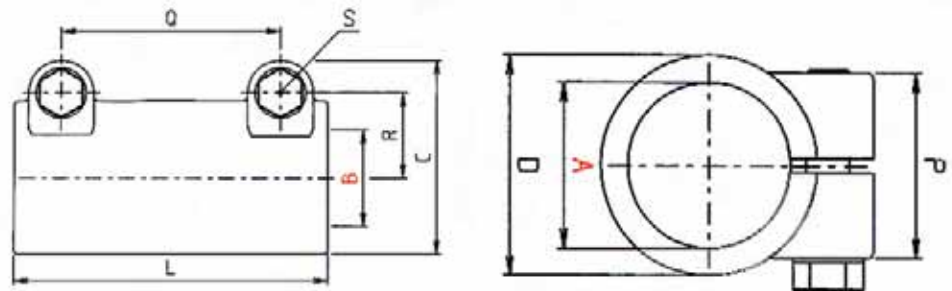
S Insert/Pivot Clamps



Code Number	Part Number	Type	A†	B†	C	D	E	G	K	L	P	S	m [g]
			Dimensions in Millimeters										
Inch clamps available in North America only			1.00"	25.1	42	40	45	40	87	100	33	M8x25	188
	RIA.1001	S	1.00"	25.1	42	40	45	40	87	100	33	M8x25	188
	RIA.1002	S	1.00"	30.0	42	40	45	40	87	95	33	M8x35	185
162 525 000	RIA.2525	S 25/25	25.1	25.1	42	40	45	40	87	100	33	M8x25	188
162 530 000	RIA.2530	S 25/30	25.1	30.0	42	40	45	40	87	95	33	M8x35	185
163 030 000	RIA.3030	S 30/30	30.1	30.1	42	40	45	40	87	100	33	M8x25	174
164 040 000	RIA.4040	S 40/40	40.17	40.17	57	56	60	56	87	135	40	M10x30	426
165 050 000	RIA.5050	S 50/50	50.2	50.0	67	66	70	66	137	154	45	M10x35	623
166 060 000	RIA.6060	S 60/60	60.27	60.1	82	80	85	80	165	188	58	M12x45	1128

† = Tube Hole

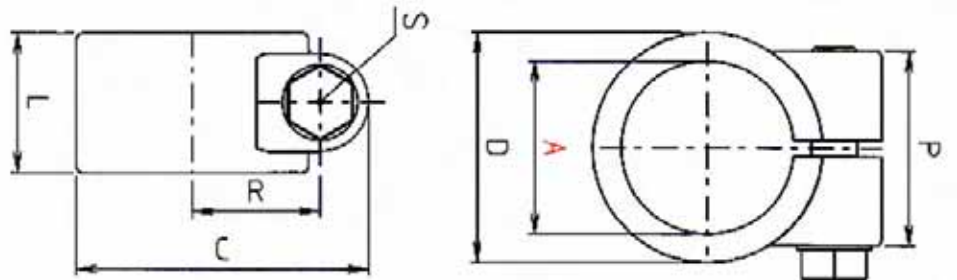
M Sleeve Clamps



Code Number	Part Number	Type	A†	B	C	D	L	P	Q	R	S	m [g]
			Dimensions in Millimeters									
144 000 000	RSA.0040	M 40	40.17	40.17	73	56	120	40	94	32.0	M10x35	501
145 000 000	RSA.0050	M 50	50.20	50.20	84	66	140	45	114	38.0	M10x60	702

† = Tube Hole

MH Sleeve Clamps

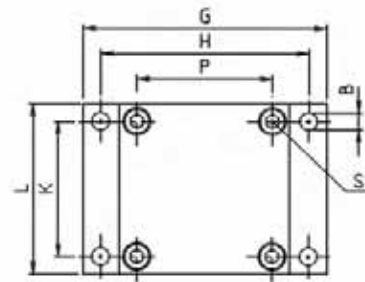
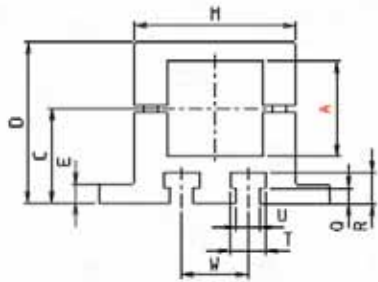


Code Number	Part Number	Type	A†	C	D	L	P	R	S	m [g]
			Inches			Millimeters				
	RSC.2000	MH	2.00"	84	66	42	45	38	M10x35	240

Inch clamps available in USA, Canada and Mexico only † = Tube Hole

Quad Clamps

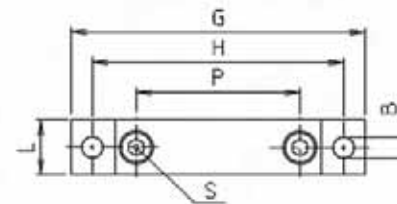
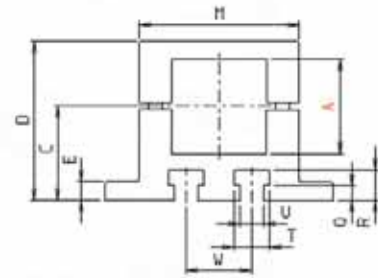
FKV Flange Clamps



Code Number	Part Number	Type	A†	B	C	D	E	G	H	K	L	M	P	Q	R	S	T	U	W	m [g]
Dimensions in Millimeters																				
523 000 050	EFI.0030	FKV 30	30.2	7	30	51	6	84	70	40	56	56	40	4.5	9	M6x25	10	6	20	303
524 000 050	EFI.0040	FKV 40	40.3	7	40	68	8	97	83	54	68	68	54	6.5	13	M6x35	15	10	28	525
525 000 050	EFI.0050	FKV 50	50.4	9	50	85	10	125	105	65	85	85	65	7.0	14	M8x45	20	10	30	1065
526 000 050	EFI.0060	FKV 60	60.3	9	62.5	111	12	145	120	80	105	105	80	7.0	14	M8x60	20	10	65	-
528 000 050	EFI.0080	FKV 80	80.4	11	80	136	16	170	148	100	126	126	100	8.0	20	M10x70	19	12	65	3440

† = Tube Hole

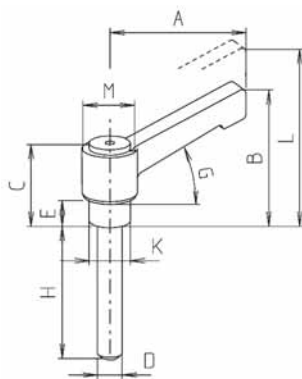
FKVH Flange Clamps



Code Number	Part Number	Type	A†	B	C	D	E	G	H	L	M	P	Q	R	S	T	U	W	m [g]	
Dimensions in Millimeters																				
523 000 100	EFJ.0030	FKVH 30	30.2	7	30	51	6	84	70	16	56	40	4.5	9	M6x25	10	6	20	86	
524 000 100	EFJ.0040	FKVH 40	40.3	7	40	68	8	97	83	18	68	54	6.5	13	M6x35	15	10	28	141	
525 000 100	EFJ.0050	FKVH 50	50.4	9	50	85	10	125	105	20	85	65	7.0	14	M8x45	20	10	30	259	
526 000 100	EFJ.0060	FKVH 60	60.4	9	62.5	111	12	145	120	22	105	80	7.0	14	M8x60	20	10	65	-	
528 000 100	EFJ.0080	FKVH 80	80.4	11	80	136	16	170	148	24	126	100	8.0	20	M10x70	19	12	65	690	

† = Tube Hole

Handles



Part #	Type	A	B	C	D	E	G	H	K	L	M	Weight (g)
9.0248	HV 5 x 15	40	33.5	25.5	M5	5.5	20°	15	7.5	37.5	13.5	-
9.0201	HV 5 x 20	40	33.5	26.5	M5	5.5	20°	20	7.5	37.5	13.5	32
9.0211	HV 6 x 10	40	33.5	26.5	M6	6.5	20°	10	10	37.5	13.5	30
9.0249	HV 6 x 20	40	33.5	26.5	M6	6.5	20°	20	10	37.5	13.5	-
9.0210	HV 6 x 16	40	33.5	26.5	M6	6.5	20°	16	10	37.5	13.5	-
9.0209	HV 6 x 18	40	33.5	26.5	M6	6.5	20°	18	10	37.5	13.5	-
9.0212	HV 6 x 25	40	33.5	26.5	M6	6.5	20°	25	10	37.5	13.5	34
9.0247	HV 6 x 30	40	33.5	26.5	M6	6.5	20°	30	10	37.5	13.5	-
9.0213	HV 6 x 35	40	33.5	26.5	M6	6.5	20°	35	10	37.5	13.5	38
9.0214	HV 6 x 40	40	33.5	26.5	M6	6.5	20°	40	10	37.5	13.5	40
9.0215	HV 6 x 45	65	43.2	29.2	M6	6.5	20°	45	10	47	18	65
9.0216	HV 6 x 55	65	43.2	29.2	M6	6.5	20°	55	10	47	18	75
9.0217	HV 6 x 60	65	43.2	29.2	M6	6.5	20°	60	10	47	18	80
9.0221	HV 8 x 15	65	45	31	M8	8.5	20°	15	13	49	18	68
9.0222	HV 8 x 25	65	45	31	M8	8.5	20°	25	13	49	18	72
9.0223	HV 8 x 30	65	45	31	M8	8.5	20°	30	13	49	18	75
9.0224	HV 8 x 35	65	45	31	M8	8.5	20°	35	13	49	18	80
9.0225	HV 8 x 45	65	45	31	M8	8.5	20°	45	13	49	18	86
9.0226	HV 8 x 50	65	45	31	M8	8.5	20°	50	13	49	18	91
9.0227	HV 8 x 55	80	53.5	36	M8	8.5	20°	55	13	57.5	22	100
9.0228	HV 8 x 60	65	45	31	M8	8.5	20°	60	13	49	18	100
9.0229	HV 8 x 70	80	53.5	36	M8	8.5	20°	70	13	57.5	22	120
9.0230	HV 8 x 80	80	53.5	36	M8	8.5	20°	80	13	57.5	22	130
9.0231	HV 8 x 90	80	53.5	36	M8	8.5	20°	90	13	57.5	22	140
9.0241	HV 10 x 20	80	55	37.5	M10	10	20°	20	16	59	26	125
9.0250	HV 10 x 30	80	55	37.5	M10	10	20°	30	16	59	26	-
9.0251	HV 10 x 35	80	55	37.5	M10	10	20°	35	16	59	26	-
9.0242	HV 10 x 45	80	55	37.5	M10	10	20°	45	16	59	26	140
9.0243	HV 10 x 50	80	55	37.5	M10	10	20°	50	16	59	26	145
9.0244	HV 10 x 60	95	64	42.5	M10	10	20°	60	16	68	26	200
9.0245	HV 10 x 70	95	64	42.5	M10	10	20°	70	16	68	26	210
9.0246	HV 10 x 110	95	64	42.5	M10	10	20°	110	16	68	26	250
9.0255	HV 12 x 40	95	64	42.5	M12	13.5	20°	40	18	68	26	-
9.0253	HV 12 x 45	95	64	42.5	M12	13.5	20°	45	18	68	26	-
9.0256	HV 12 x 80	95	64	42.5	M12	13.5	20°	45	18	68	26	-
9.0270	HV 16 x 72	100	72	65	M16	19	20°	65	23	72	33	-

Tubing

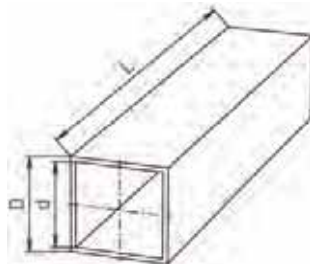
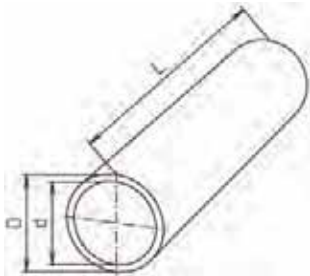
RK Rose+Krieger maintains a tubing inventory that includes aluminum and steel for use with industrial clamps, block clamps, quad clamps, and Stairworks®. Tubing is available in round and square types in select metric and inch sizes. Round metric aluminum and steel tubing is offered from 18mm to 60mm and square metric aluminum tubing from 30mm to 60mm. Round inch aluminum tubing is available from 1/2" to 2".



Aluminum Tubing



Material: AlMgSi 0.5 F22EQ
 Resistance moment = 3 cm^3
 Moment of inertia = 3 cm^3



Round Aluminum Tubing

Code Number	Part Number	Type	OD (D)	ID (d)	Version	Length
Dimensions in Inches						
Inch tubing available in USA Canada and Mexico only	TAR.1000	1.00"	1.00"	.83"	Natural	8 feet
	TAR.1004	1.00"	1.00"	.83"	Natural	4 feet
	TAR.1200	1.25"	1.25"	1.00"	Natural	8 feet
	TAR.1204	1.25"	1.25"	1.00"	Natural	4 feet
	TAR.1500	1.50"	1.50"	1.50"	Natural	8 feet
	TAR.1504	1.50"	1.50"	1.50"	Natural	4 feet
TAR.2000	2.00"	2.00"	2.00"	Natural	8 feet	
TAR.2004	2.00"	2.00"	2.00"	Natural	4 feet	
Dimensions in Millimeters						
8.2302013000	TAR.0030	30x2	30±0.10	26	Natural	3 meters
8.2302023000	TAR.2030	30x2	30±0.10	26	Clear Anodized	3 meters
8.2403023000	TAR.2040	40x3	40±0.15	34	Clear Anodized	3 meters
8.2403021219	TAR.2044	40x3	40±0.15	34	Clear Anodized	4 feet
8.2403022438	TAR.2048	40x3	40±0.15	34	Clear Anodized	8 feet
8.2503013000	TAR.0050	50x3	50±0.20	44	Natural	3 meters
8.2503023000	TAR.2050	50x3	50±0.20	44	Clear Anodized	3 meters
8.2603013000	TAR.0060	60x3	60	54	Natural	3 meters
8.2603023000	TAR.2060	60x3	60	54	Clear Anodized	3 meters

Square Metric Aluminum Tubing

		Dimensions in Millimeters				
8.3302013000	TAR.	30x2	30±0.20	26	Natural	3 meters
8.3352513000	TAR.	35x2.5	35±0.30	30	Natural	3 meters
8.3404013000	TAR.	40x4	40±0.30	32	Natural	3 meters
8.3504013000	TAR.	50x4	50±0.40	42	Natural	3 meters
8.3604013000	TAR.	60x4	60±0.40	52	Natural	3 meters

Round Tube Stopper



Black Polyethylene

Metric Sizes

ROUND

ØD	Part No.	Fits Tube*	Cap Thickness**
18	90.301	18 x 1.5mm	5mm
20	90.302	20 x 2.0mm	5mm
30	90.304	30 x 2.0mm	5mm
40	90.307	40 x 4.0mm	5mm
50	90.310	50 x 5.0mm	5mm
60	90.311	60 x 6.0mm	5mm

*Fits tubes—1st number is the OD of the tube in mm; 2nd number is the tube's wall thickness in mm.

**Cap thickness extending above stopper in mm.

Steel Tubing



Round Metric Steel Tubing

Code Number	Part Number	Type	OD (D)	ID (d)	Version	Length
Dimensions in Millimeters						
8.0181513000	TAR.	18x1.5	18±0.10	15 mm	Zinc Plated	3 meters
8.0302013000	TAR.	30x2	30±0.10	26 mm	Zinc Plated	3 meters
8.0404013000	TAR.	40x4	40±0.15	32 mm	Zinc Plated	3 meters
8.0504013000	TAR.	50x4	50±0.20	42 mm	Zinc Plated	3 meters

ITAS - Internal Tension System

No drilling
No welding
No miter cutting
...Just assembly

The ITAS-system is suitable for many outdoor and indoor applications, from the simplest railings to complicated stairs and working platforms.

The easy "socket connection principal" of the internal tension system reduces construction and assembly work to a minimum. Without any machine work, connections are effortless by simple tightening clamping screws.

The new quick change system contained in the RK Stairworks program, also increase flexibility and compliment the RK Frameworks program. The profile assembly system can be used for the substructure of stairs and platforms.

Once again RK Rose+Krieger has concentrated its efforts on making different product ranges compatible and able to be combined with each other.

Internal Tension System



Quick Change System



Please see our website for complete listing of our Quick Change System.

www.rose-krieger.com



Internal Tension System

MI 40



IHR.4104

KI 40



IHR.4100

KI 40H-45°



IHR.5211

WIY 40-45°



IHR.4530

WI 40



IHR.4210

WI 40-45°, 30°, 38°, 52°, 60°



IHR.5210, IHR.0030
IHR.0038, IHR.0052
IHR.0060

WIT 40H-45°R



IHR.4529

FIW 40



IHR.3420

WIT 40



IHR.4230

WIT 40H-45°



IHR.5230

WIT 40H-45°L



IHR.4529

FI 40



IHR.4270

WIE 40



IHR.4220

WIT 40-45°



IHR.4250

WIV 40H-45°



IHR.4527

TSI 40



IHR.3426, IHR.3427

WITE 40



IHR.4240

KI 40-45°



IHR.5100

WIV 40-45°



IHR.4526

TSI 40 WI



IHR.3428, IHR.3429

Accessories

Aluminum Tube Ø40x3



Angular Stair Joint



Surface Support



Tread Support Profile



Step Profile



Stair Railing Support



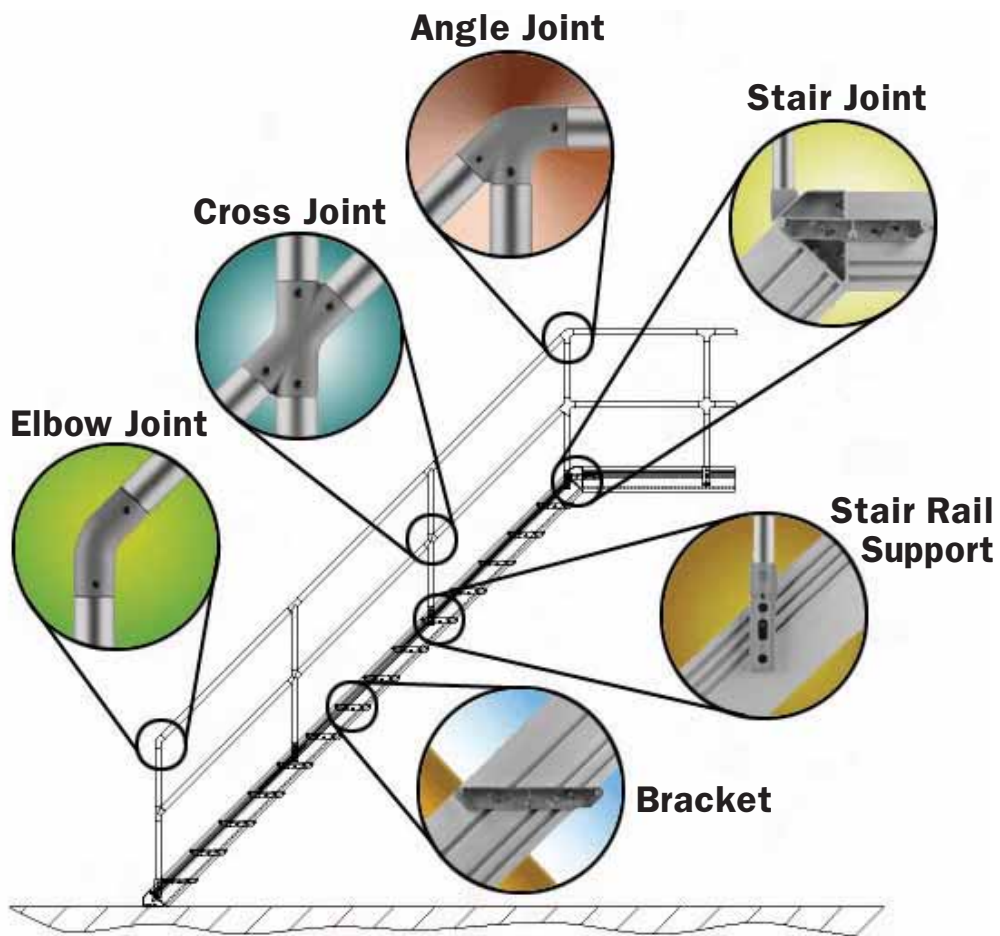
Corner Joint



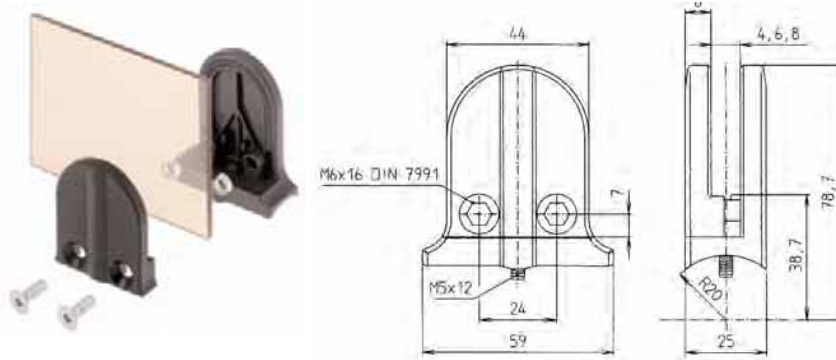
Side Plate



Angle Plate for TGHF



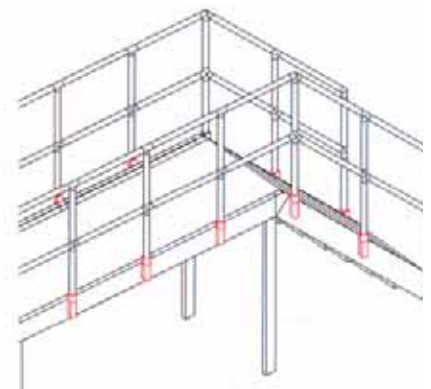
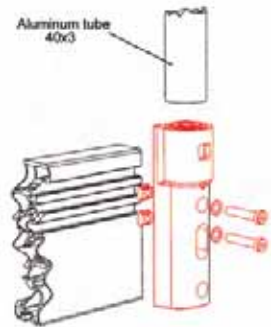
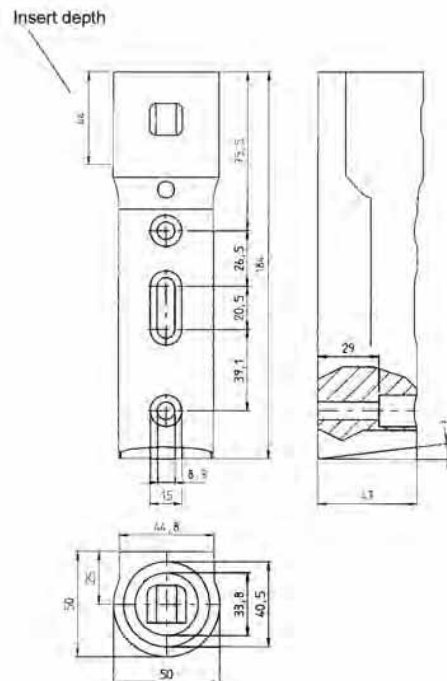
Surface Support



Note: The support can only be used in a closed frame construction.

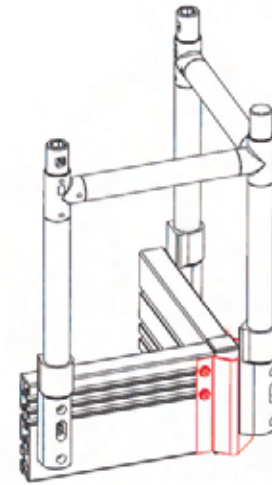
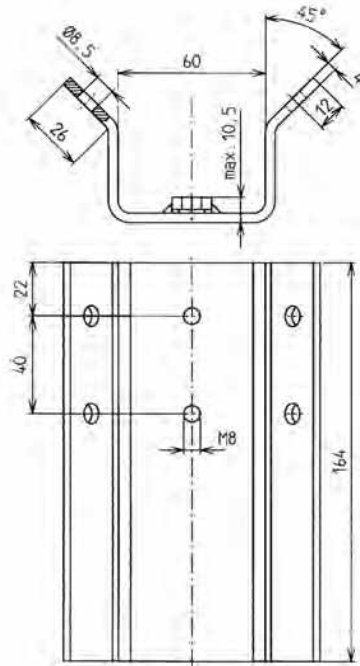
Code Number	Type
91803	FEH-I 40

Stair Railing Support TGHF



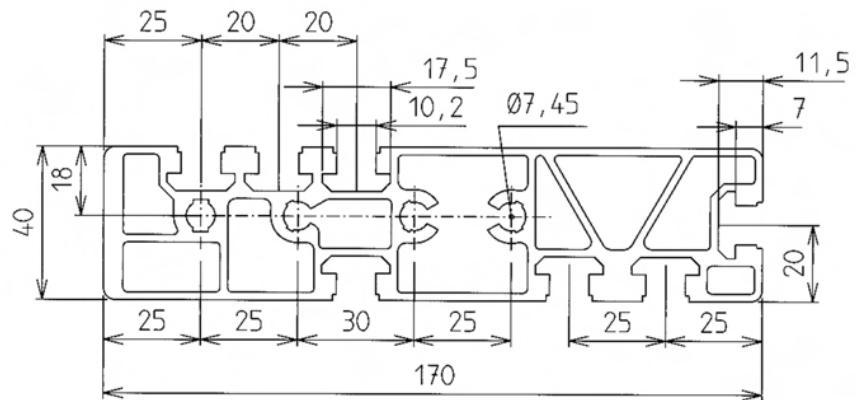
Code Number	Type
1.34034280_	TGHF 40

Angle Plate for TGHF



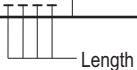
Code Number	Type
96701	Angle Plate

Stair Cross Beam Profile



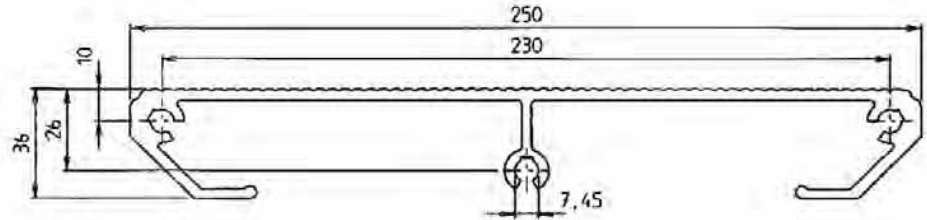
$I_x = 37 \text{ cm}^4$
 $I_y = 606 \text{ cm}^4$
 $W_x = 18 \text{ cm}^3$
 $W_y = 69 \text{ cm}^3$

Code Number	Type	Version	m [g]
4.505 000	Stair cross beam profile	Cut max. 6000 mm	5957 / m
4.505 001	Stair cross beam profile	Bar à 6000 mm	5957 / m

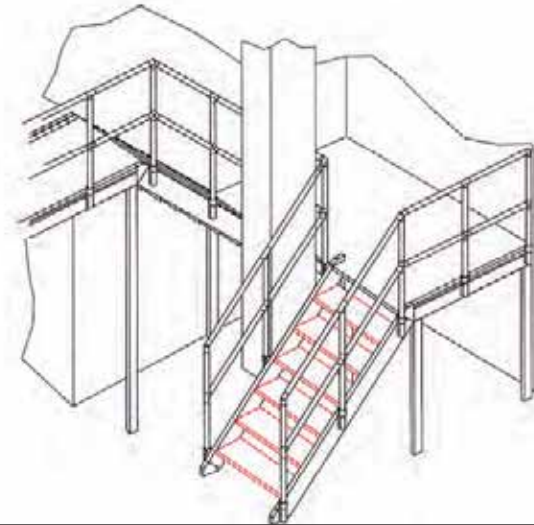




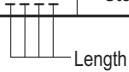
Step Profile



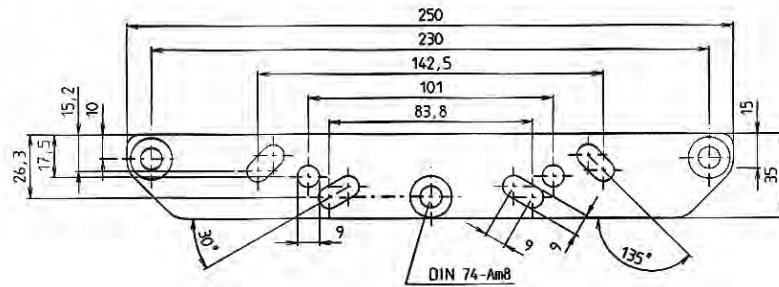
$I_x = 16 \text{ cm}^4$
 $I_y = 1003 \text{ cm}^4$
 $W_x = 7 \text{ cm}^3$
 $W_y = 80 \text{ cm}^3$



Code Number	Type	Version	m [g]
4.525 000	Step profile	Cut max. 6000 mm	3621 / m
4.525 001	Step profile	Bar à 6000 mm	3621 / m



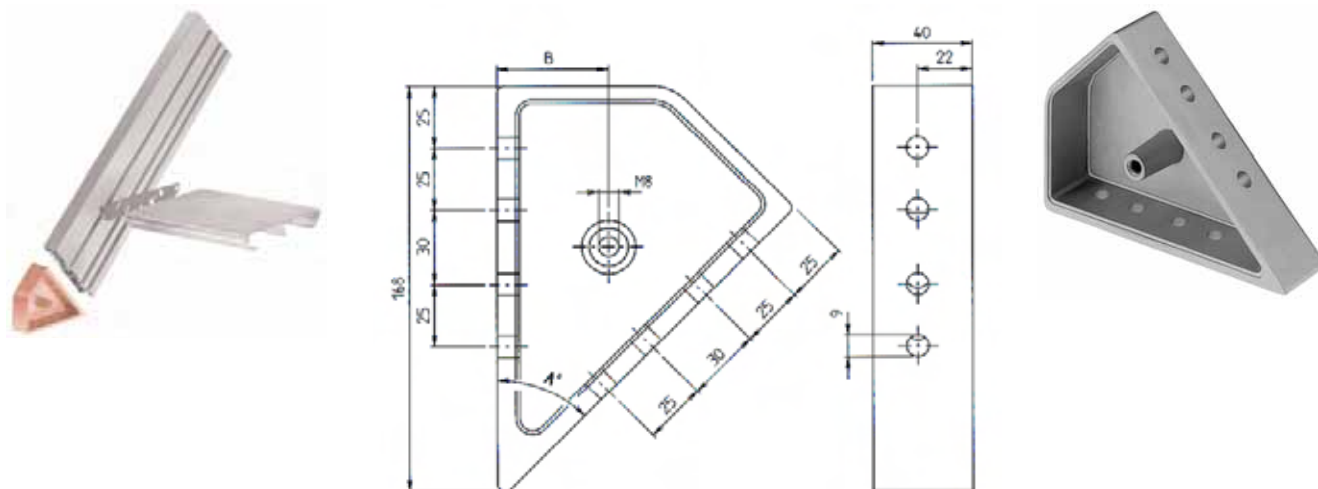
Side Plate



Code Number	Type	m [g]
9.3700	Side plate	3621 / m

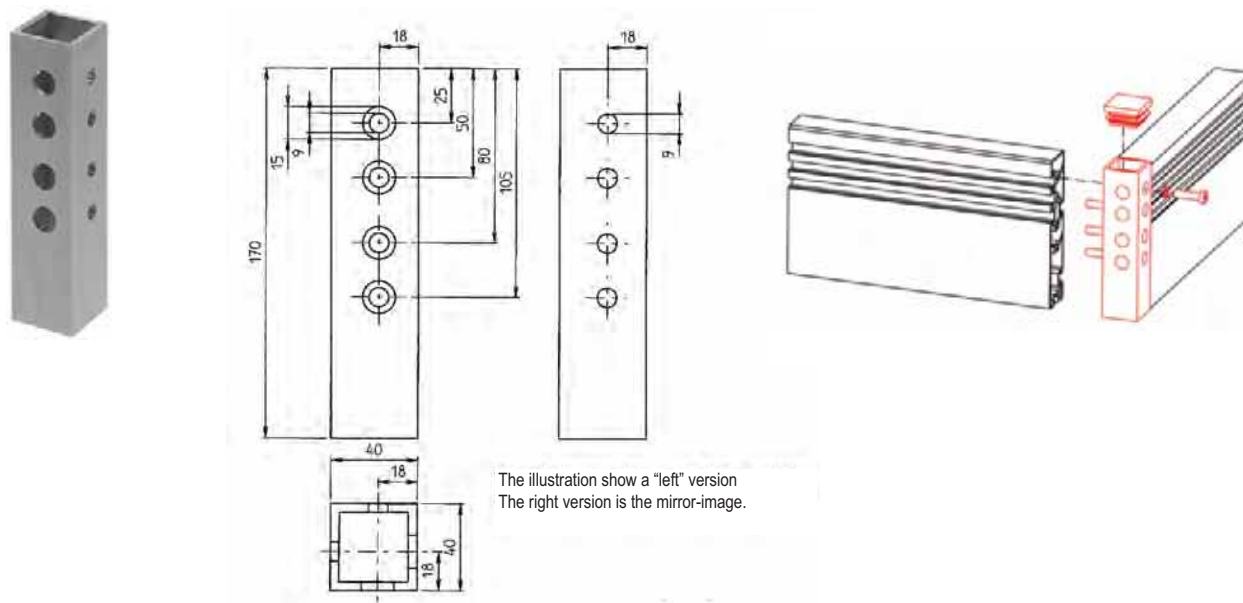


Stair Joint



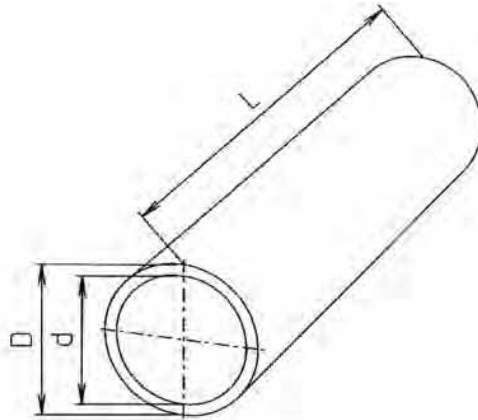
Code Number	Type	A	B	Material	m [g]
9.3807	38° stair joint fixing step platform	38°	36.15	Gk AISi 12	430
9.3810	45° stair joint fixing step-platform	45°	44.5	Gk AISi 12	621
9.3811	45° stair joint fixing floor step	45°	44.5	Gk AISi 12	621
9.3820	60° stair joint fixing step-platform	60°	60.5	St 37-2	1500

Stair Corner Joint



Code Number	Type	m [g]
9.3821	Stair corner joint righthand	242
9.3822	Stair corner joint lefthand	242

Aluminum Tube



Material: AlMgSi 0.5 F22EQ
 Resistance moment = 3 cm^3
 Moment of inertia = 3 cm^3

Code Number	Part Number	Type	OD in mm (D)	ID in mm (d)	Version	Length
8.2302013000	TAR.0030	30x2	30±0.10	26	Natural	3 meters
8.2302023000	TAR.2030	30x2	30±0.10	26	Clear Anodized	3 meters
8.2403023000	TAR.2040	40x3	40±0.15	34	Clear Anodized	3 meters
8.2403021219	TAR.2044	40x3	40±0.15	34	Clear Anodized	4 feet
8.2403022438	TAR.2048	40x3	40±0.15	34	Clear Anodized	8 feet
8.2503013000	TAR.0050	50x3	50±0.20	44	Natural	3 meters
8.2503023000	TAR.2050	50x3	50±0.20	44	Clear Anodized	3 meters
8.2603013000	TAR.0060	60x3	60	54	Natural	3 meters
8.2603023000	TAR.2060	60x3	60	54	Clear Anodized	3 meters



Tubular Linear Units

E



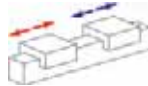
Right or Left Hand Thread



	L
E 18	350
E 30	1250
E 40	2700
E 50	2700
E 60	2650
E 80	2600



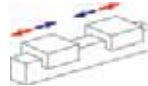
Split Spindle



	L
E 30	1330
E 40	2000
E 50	2000
E 60	2000
E 80	1180



Right and Left Hand Thread



	L
E 18	280
E 30	1170
E 40	2560
E 50	2560
E 60	2460
E 80	2500

Stainless steel versions available



max. 5650 N
±0.2mm / 300 mm

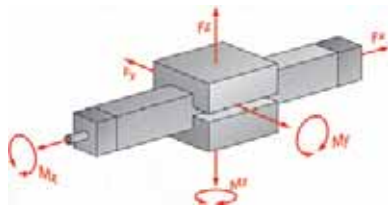
L [mm]	F _x 500	F _y 500	F _z 500	M _x	M _y	M _z
Type						
E 18	400	90	60	1.5	4	4
E 30	800	500	500	6	15	15
E 40	1000	2100	1900	14	40	40
E 50	1700	3000	3000	30	65	65
E 60	2500	4500	4500	45	120	120
E 80	4500	5500	5650	70	170	170

AE



Type	F _x	F _y	F _z	M _x	M _y	M _z	L
AE 30	500	-	-	0.5	-	16	650
AE 40	1500	-	-	0.6	-	35	1300

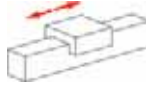
* Referring to the guide table (static values, total length 500 mm, linear unit is completely supported).



EP



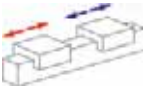
Right or Left Hand Thread



Type	L [mm]
EP 18	380
EP 30	1350
EP 40	2760
EP 50	2750
EP 60	2690
EP 80	2600



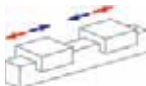
Split Spindle



Type	L [mm]
EP 18	400
EP 30	1340
EP 40	2000
EP 50	2000
EP 60	2000
EP 80	1700



Right and Left Hand Thread



Type	L [mm]
EP 18	350
EP 30	1270
EP 40	2720
EP 50	2670
EP 60	2640
EP 80	2450

Stainless steel versions available

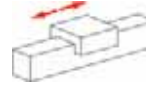
max. 8000 N
±0.2mm / 300 mm

Type	L [mm]	Fx 500	Fy 500	Fz 500	Mx	My	Mz
EP 18	400	200	100	20	30	35	
EP 30	800	1000	550	60	60	75	
EP 40	1000	3500	2000	120	130	150	
EP 50	1700	3800	3000	160	200	260	
EP 60	2500	6600	6000	300	340	480	
EP 80	4500	11000	8000	400	530	620	

EPX



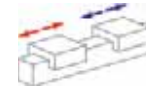
Right Hand or Left Hand Thread



Type	L [mm]
EPX 18	320
EPX 30	1240
EPX 40	2660
EPX 50	2610
EPX 60	2560
EPX 80	2340



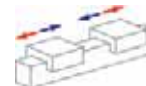
Split Spindle



Type	L [mm]
EPX 18	360
EPX 30	1260
EPX 40	2000
EPX 50	2000
EPX 60	2000
EPX 80	1510



Right and Left Hand Thread



Type	L [mm]
EPX 18	230
EPX 30	1080
EPX 40	2440
EPX 50	2360
EPX 60	2280
EPX 80	2070

Stainless steel versions available

max. 9100 N
±0.2mm / 300 mm

Type	L [mm]	Fx 500	Fy 500	Fz 500	Mx	My	Mz
EPX 18	400	270	130	40	45	70	
EPX 30	800	1400	650	80	110	140	
EPX 40	1000	6000	2200	160	190	240	
EPX 50	1700	7700	3300	240	345	510	
EPX 60	2500	11000	7000	520	610	910	
EPX 80	4500	14000	9100	650	780	1100	

Maximum travel length mm

positioning accuracy

max. loads Fz

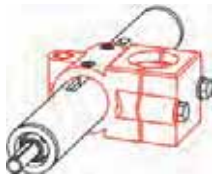
Guide Table E Units

K



K 18	K 50 x 40
K 30 x 20	K 50
K 30 x 25	K 60
K 30	K 80
K 40	

KR



KR 30	
KR 40	
KR 50	

LW



LW 18	
LW 30	
LW 40	
LW 50	

S



S 30	
S 40	
S 50	
S 60	

PB



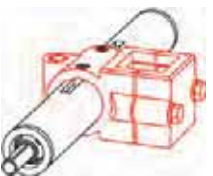
P 18	
PB 30	
P 40	
PB 50	
PB 60	

KD



KD 18 x 30	KD 40 x 30
KD 30 x 14	KD 50 x 30
KD 30 x 20	KD 60 x 50
KD 30 x 40	
KD 40 x 20	

KVR



KVR 30	
KVR 40	
KVR 50	



FS



FS 18	FS 80
FS 30	
FS 40	
FS 50	
FS 60	

LQ



LQ 18	
LQ 30	
LQ 40	
LQ 50	

EK



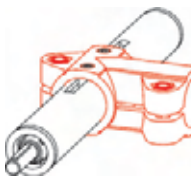
EK 18	EK 50 x 40
EK 30 x 18	EK 50
EK 30	EK 60 x 50
EK 40 x 30	EK 60
EK 40	EK 80

FK



FK 18	FK 80
FK 30	
FK 40	
FK 50	
FK 60	

W



W 18	W 80
W 30	
W 40	
W 50	
W 60	

GW



GW 18	
GW 30	
GW 40	
GW 50	

EKS



EKS 30 x 18	EKS 50
EKS 30	EKS 60 x 50
EKS 40 x 30	EKS 60
EKS 40	
EKS 50 x 40	

Accessories

Chain Wheel



Timing Belt Wheel/Timing Belt



Positioning Indicator



Coupling



Connecting Adaptor E



Angular Drive



Handwheel



Bevel Gear Set



Scale



Limit Switch



Proximity Swich



Bellow



Motor



Motor Adaptor



Drive Units



Credit Application

30 day credit limit requested \$ _____

Company Name _____		Phone _____	
Street Address _____	City _____	State _____	Zip _____
Fax Number _____	Are you incorporated? _____		
Where _____	When _____		
Tax Exemption Number: _____		Please provide Tax Exemption Certificate with Application	

PRINCIPAL OFFICERS

Name _____	Title _____
Name _____	Title _____

BANK REFERENCES

Bank Name _____	Account No. _____	Phone _____
Bank Name _____	Account No. _____	Phone _____
Bank Name _____	Account No. _____	Phone _____

SUPPLIER REFERENCES

Name _____	Phone _____	Fax _____
Address _____	City _____	State _____ Zip _____
Name _____	Phone _____	Fax _____
Address _____	City _____	State _____ Zip _____
Name _____	Phone _____	Fax _____
Address _____	City _____	State _____ Zip _____

TERMS AND APPLICATION FOR CREDIT: We hereby agree that RK Rose+Krieger terms are Net 30 days from the date of invoice, with interest charge at 1 1/2 percent per month on all accounts past due.

Signature*:

 Authorized By _____ Title _____ Date _____

DO NOT WRITE BELOW THIS LINE

* It is understood that by signing the RK Rose+Krieger Credit Application you, the customer, agree to RK Rose+Krieger's Net 30 credit terms, including a 1 1/2% late finance charge per month for any overdue balance. By signing this document, you also agree to give RK Rose+Krieger permission to investigate your credit worthiness through trade references and credit bureau research.



RK ROSE+KRIEGER

A Phoenix Mecano Company

Who Is Phoenix Mecano?



Phoenix Mecano is dedicated to achieving customer satisfaction through continuous improvement.

Using best business practice, lean manufacturing, and sustained supply chain operations Phoenix Mecano Inc. markets its products and services through three product divisions in Maryland. The Frederick, Maryland facility serves as headquarters for North American operations. PMI is part of Phoenix Mecano AG, an international corporation based in Switzerland comprised of independent manufacturing plants worldwide.

This product overview gives you an overall idea about RK Rose+Krieger's general product range, thus helping you to choose the right product for your application. You will find further technical data in our more detailed product catalog or in the CD ROM containing our general product program. The whole documentation is available in PDF format and can be downloaded from our sister companies website www.rk-online.de. Here you will also find CAD data for our products in more than 60 different exchange formats.

If you have any questions regarding RK Rose+Krieger products please call our representatives at 301-696-9400. We will be glad to advise you of the fastest, strongest, and most economical options for construction.



Rose+Krieger sales representatives are available to assist you in choosing the right products for your application. Orders and inquiries are processed during normal business hours 8:30 am to 5:00 pm ET Monday through Friday. Feel free to contact us at 301 696 9400 or learn more online at www.Rose-Krieger.com.

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ISO 9001 2000 Certified



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