

**PRECISION PERFORMANCE LONGEVITY**

MANUFACTURER OF SATELLITE ROLLER SCREWS SINCE 1970

## WELCOME TO ROLLVIS

Welcome to ROLLVIS SA, your satellite roller screw supplier since 1970!

Based in Geneva, -Rollvis is a pioneer in the design and production of high-quality satellite roller screws. We have a decades long commitment to excellence and are privileged to be able to serve a wide range of industries with our customised solutions. Our roller screws are designed to meet the most stringent of requirements and guarantee exceptional performance in sectors such as machine tools, the automotive industry, defence, and aerospace. As well as in the vast fields of space, medicine, and the oil industry.

We are committed to providing parts that improve the productivity, efficiency, and reliability of

your operations. Our ongoing commitment of our research and development department allows us to remain at the forefront of technology, with ongoing innovation and customisation of our products to meet the unique needs of each individual.

When you choose us, you're choosing a solid partner. With ROLLVIS, you can be confident that our roller screws will meet your requirements. Our pursuit of excellence has helped us earn a solid reputation in the industry, and we continue to evolve in this dynamic market. Thank you for choosing ROLLVIS SA as your supplier of roller screws. We look forward to addressing your needs, so please browse our catalogue and contact our team if you have any questions or require assistance.

Your satisfaction is our priority, and we're here to help you succeed in your projects.



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ISO 9001





### OUR EXPERTISE

Our expertise guarantees products complying with the most demanding standards, particularly in the following sectors and applications:



#### ROBOTICS

Load capacity, small size, and reliability are essential in robotic applications. Our roller screws are designed to deliver smooth, precise movement, making them an ideal choice for robotic arms, manipulators, and industrial robots.



#### AERONAUTICS

The aerospace industry demands lightweight, high-performance solutions. Our satellite roller screws are used in flight control and other critical applications to ensure superior performance and optimum safety.



#### SPATIAL SPACE APPLICATIONS

In the harsh environment of space, our roller screws play a key role in the positioning and movement of equipment. Their reliability is critical to the success of space missions, whether satellites, probes, or space stations.



#### DEFENCE

Defence requires advanced components for missile systems, armoured vehicles, and other military equipment. Our roller screws are designed to endure the most extreme conditions and guarantee consistent performance in the field.



#### ENERGY

The energy sector demands reliable solutions for power stations, wind turbines and other energy applications. Our roller screws contribute to the efficiency of these systems, optimising energy production.



#### MEDICAL

In the medical field, precision is vital. Our roller screws are used in medical devices such as scanners, diagnostic equipment, and surgical robots to ensure precise, reliable movement.



#### OPTICAL

Optical applications require high-precision components for positioning and focusing. Our roller screws guarantee smooth, precise movements, which are essential in optical systems such as telescopes and microscopes. For both optical and space applications, our roller screws can be provided with a wide range of dry lubrication options.



#### AUTOMOBILE

The automotive industry uses our roller screws to improve the quality and performance of production lines. These are used in machines, presses, welding tongs, rivet setting, and in the manufacture of tires.



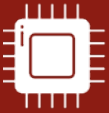
#### MACHINERY

Their performance in terms of acceleration, speed and positioning accuracy mean that roller screws are used in all types of machines throughout the world. Whatever the sector or application, we are committed to supplying products of the highest quality, ensuring the success of our customers around the world.



Whatever the sector or application, ROLLVIS is committed to providing the highest quality products, contributing to the success of our customers around the world. Our expertise and commitment to ongoing innovation make us a trusted partner for your advanced roller screw needs.

WE ARE ISO 9001:2015 AND ISO 9001:2018 CERTIFIED



#### SEMI-CONDUCTORS

In semiconductor manufacturing, precision is crucial. Our roller screws are used to position production equipment, guaranteeing high-quality results in this constantly evolving sector.



#### ELECTRIC ACTUATORS

With the aim of protecting the environment, many companies have chosen to replace hydraulic actuators with electric actuators. Their use provides an environmental benefit as well as spacing out maintenance operations.



#### PRESSES

Industrial presses require an extraordinary amount of effort, usually with high impact loading. Roller Screws are essential to meeting these demands. Our roller screws ensure precise positioning, which is essential in the production of moulded parts, electronic components and more.



## Société du Groupe Acrotec spécialisée dans la mécanique de précision

Entreprise ayant une forte expertise en tournage  
et en fraisage sur de la pièce à forte valeur ajoutée



certifiée ISO9001 et EN9100



Aéronautique



Industrie à enjeux



Électronique et connectique



Médical

## OUR HISTORY

- 1939 Creation of CENTURION, a precision company (cylindrical and threading).
- 1970 CENTURION creates the ROLLVIS company, which specialises in the production of satellite roller screws.
- 1985 Acquisition by the FAG Group.
- 1993 ROLLVIS SA becomes an independent private company under the registered trademark "Rollvis Swiss".
- 2002 ROLLVIS obtains ISO:9001-2000 and ISO:9001 certification.
- 2008 ROLLVIS acquires ASD-EASE certification.
- 2013 ROLLVIS is EN9100 certified to satisfy the aeronautical industry.
- **2020 ROLLVIS celebrates its 50th anniversary**

**ROLLVIS is located in the Plan-les-Ouates industrial area (ZIPLO) in Geneva.**

**Its vast experience in the field makes it a key player in the industry.**



**ROLLVIS is a pioneer in the design of high-performance roller screws,** developed to meet the specific needs of each sector. Thanks to its expertise in research and development, the company can design bespoke solutions that guarantee optimum efficiency in a wide range of applications.

**The machine tool sector benefits greatly from ROLLVIS roller screws,** improving the productivity and precision of tools used in the manufacture of various products. The automotive industry is also benefiting from these innovations for applications such as bodywork assembly and tire manufacture.

**The defence and aerospace industries rely on us for essential components.** The reliability of roller screws is crucial in these applications. Our products are subject to rigorous standards that enable us to meet the most stringent requirements. Safety and performance are top priorities.

**Finally, Rollvis is also active in the space industry.** Satellite roller screws are designed to operate in the extreme conditions of space, guaranteeing the reliability and performance of space equipment.



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- Parquet neuf ou rénovation
- Traitement des sols
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## RESEARCH AND DEVELOPMENT

**An essential asset for our company.** ROLLVIS has its own research and development department. This team is made up of highly qualified experts who are committed to creating innovative technological solutions. A constant source of innovation. Thanks to this dedicated team, we can create products and solutions that push back the boundaries. This offers our customers access to state-of-the-art technologies that correspond exactly to their needs.

**A constant source of innovation.** Thanks to this dedicated team, we can create products and solutions that push back the boundaries. This means that through our products, our customers have access to state-of-the-art technologies that correspond exactly to their needs.

**Customise our products to meet the specific needs of our customers.** The industries we serve are varied, from aerospace to automotive, and each application has its own requirements. Our research and development department allows us to create bespoke solutions, guaranteeing the satisfaction and success of our customers.



### ANOTEC S.A.

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- Sous-traitance Mécanique en Fraisage & Tournage CNC
- Tournage de pièces jusqu'à Ø 500 mm & 2500 mm de long
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[info@anotec.ch](mailto:info@anotec.ch)





**The driving force behind our excellence.** Our R&D department ensures that we can anticipate market needs. Our dynamic team keeps a close watch on emerging technology, and responds with precision to our customers' requirements.

**A solid, efficient partnership.** Our team of engineers is supported by the expertise and professionalism of our network of suppliers, long-standing partners who combine precision and cutting-edge technology in fields as varied as machining, gear cutting and the various lubrication options. Rollvis is proud to be surrounded by proactive, demanding supplier partners with the common goal of excellence.

### NEW TEST BENCH

ROLLVIS is proud to present its brand-new test bench, the fruit of our ongoing commitment to innovation. This cutting-edge instrument, designed by our internal team, meets the varied needs of the industries we serve.

This new test bench allows us to carry out in-depth performance and endurance tests on our satellite roller screws, guaranteeing the calculated performance.



## QUALITY, MEASUREMENT, ANALYSIS, IMPROVEMENT

We at Rollvis, see continuous improvement as a fundamental element of our success around the world.

### Unwavering commitment to quality

We recognise that the quality of a product or service is an essential criterion for assessing its performance and value. As a result, we are investing heavily in new control systems that will enable us to improve the traceability and documentation of the parts we deliver. This means meticulous testing procedures, meticulous inspections, and strict compliance with standards.

### Metrology

Measurement is a central part of our quality assurance process. We use the very latest instruments to assess and control the quality of our products. This includes checking dimensions and performance to ensure that our products meet our customers' requirements.

En tant que partenaire à la pointe de la technologie pour l'industrie, FUCHS propose une gamme complète de lubrifiants performants à la pointe de la technologie pour l'usinage des métaux. Du nettoyage à la protection contre la corrosion en passant par la fabrication, nous proposons des conseils personnalisés et des solutions complètes pour l'ensemble du processus de fabrication, augmentant ainsi la productivité de nos clients.

**FUCHS est synonyme de promesse : Une technologie qui paie.**

Faites confiance aux spécialistes et à notre partenaire local:  
Aseol Suisse AG | [aseol.ch](http://aseol.ch) | Tél.: 033 439 50 60





## Optimisation through data analysis

The data analysis that we collect from various sources, allowing us to detect anomalies, is a powerful tool that we use to understand trends and areas requiring improvement. This also allows us to identify areas where progress is needed and to take proactive measures.

## Persevering to improve

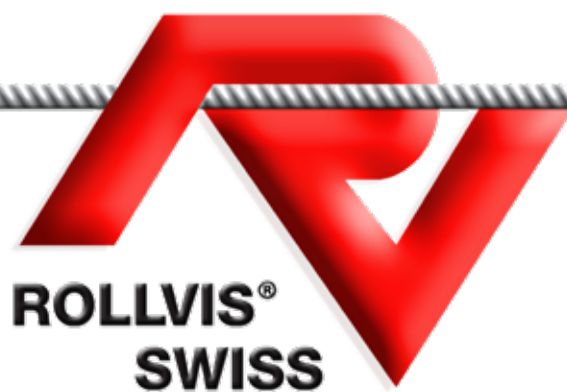
Our corporate philosophy is rooted in continuous improvement. We are always on the lookout for ways to improve our processes, products, and services. This includes adjustments to production processes, technological upgrades or changes to our working methods.

These principles enable us to provide products and services of the highest quality, allowing us to satisfy and retain our customers, comply with regulations and, maintain a positive reputation. By integrating these concepts into our business culture, we are perfectly positioned to thrive in an ever-changing business environment.



# GLOBAL

12



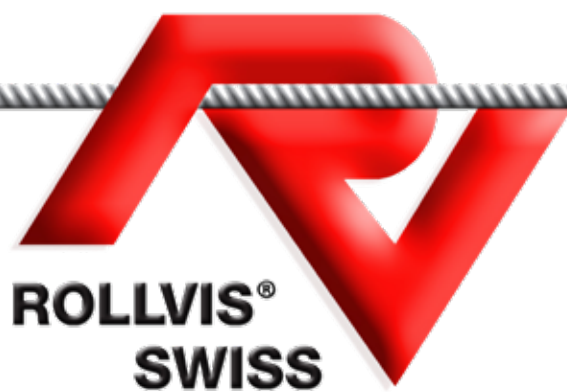


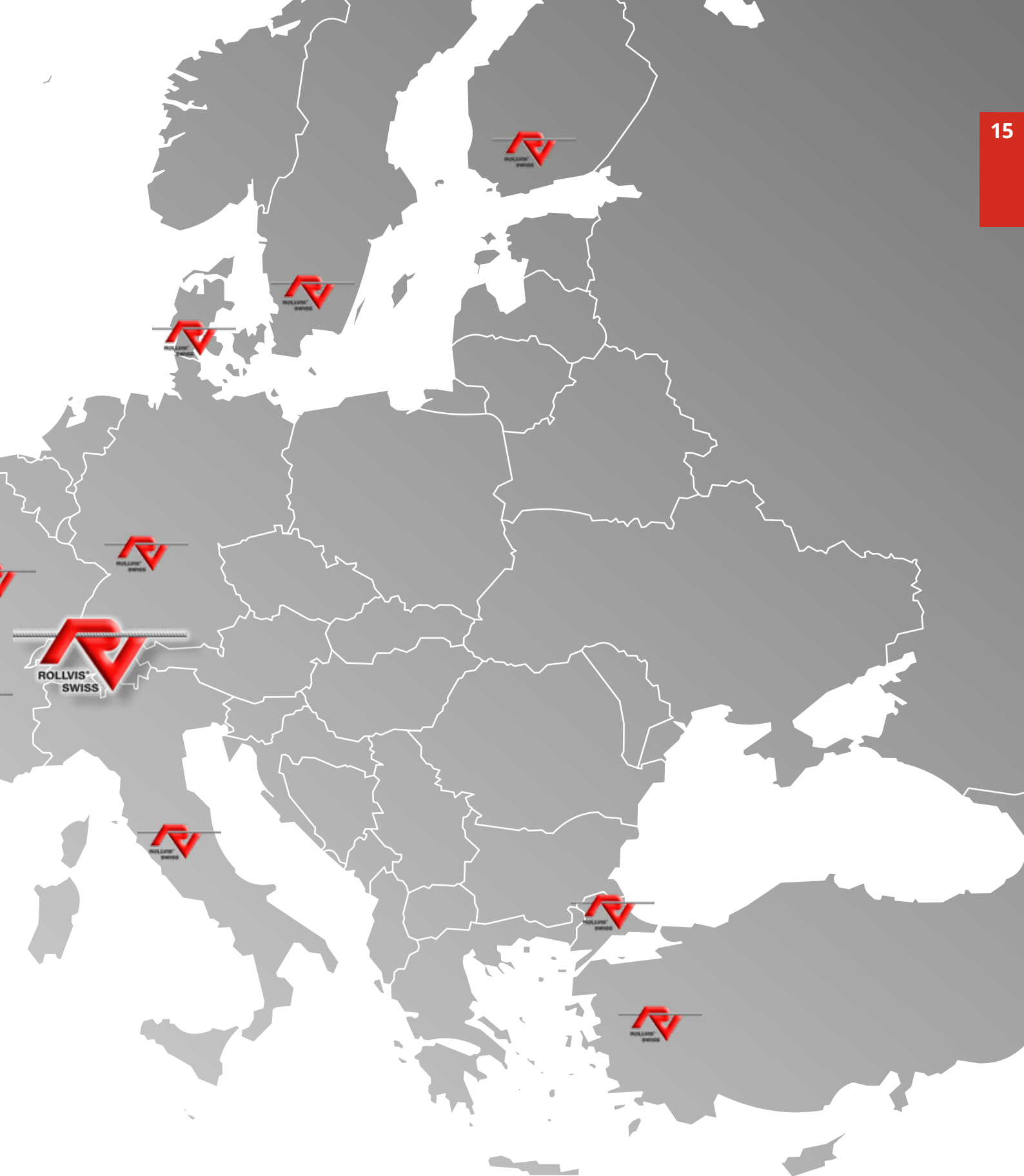
**ROLLVIS SATELLITE ROLLER SCREWS**

[www.Rollvis.com](http://www.Rollvis.com)



# EUROPE





**ROLLVIS SATELLITE ROLLER SCREWS**

[www.Rollvis.com](http://www.Rollvis.com)



**A well-designed loader, developed in tight collaboration with the machine supplier, is the key to successful projects!**

Rollvis trusted Wick to design and install state of the art automation solutions achieving high productivity on new Kellenberger and Liebherr machines.

Well experienced in the machine tool industry, Wick works closely with the machine suppliers to develop and manufacture the perfect automation solution that fits the real needs of the end user.



R. Wick AG  
Alte Zugerstrasse 10  
CH 6403 Küssnacht  
Tel.: +41 41 747 11 11

[www.wick-ag.com](http://www.wick-ag.com)





## DISCOVER OUR CATALOGUES

Don't miss the opportunity to immerse yourself in a world of cutting-edge technological solutions. Explore our diverse range of satellite roller screws and find the perfect solution for your performance and reliability needs. Our catalogues are an invaluable source of information, designed to help you make the best choice for your business. Don't waste a moment, consult our catalogues today and don't forget that we're here to help you.



This way to the catalogue



This way to the catalogue



This way to the catalogue



This way to the catalogue



This way to the catalogue

## THE VERSATILITY OF ROLLVIS SATELLITE ROLLER SCREWS

**The satellite roller screw is an essential innovation in many demanding sectors.** It acts as a linear actuator, transforming a rotary movement into a linear displacement of exceptional precision. Its design guarantees great durability and the ability to withstand heavy loads.

**In the space sector,** screws are used in satellites and launch vehicle flight controls.

**The use of roller screws in Robotics applications** takes advantage of precision, load density and efficiency to serve industrial, medical and logistics applications.

**Roller screws are used in many core production machines in the automotive industry.** There were likely dozens of machines with roller screws inside that were involved in making parts for the vehicle you drive today.

**The satellite roller screw is a crucial technological innovation,** bringing unrivalled precision and reliability to a variety of industrial applications and meeting today's environmental requirements.

Video presentation



## PRODUCT RANGE

The ROLLVIS satellite roller screw transforms rotary movements into linear movements by means of rollers located between the screw and the nut. Their multitude of contact points support high loads. The product range includes non-recirculating screws (RV and HRV types), inverted screws (RVI type), differential screws (RVD type) and roller recirculating screws (RVR type). Suitable bearing housings are also available.

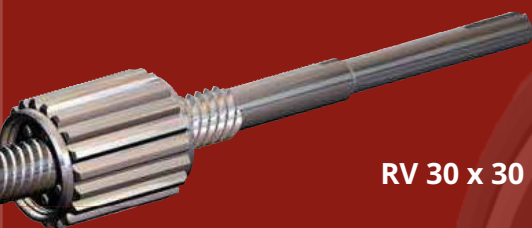








RV 12 x 8



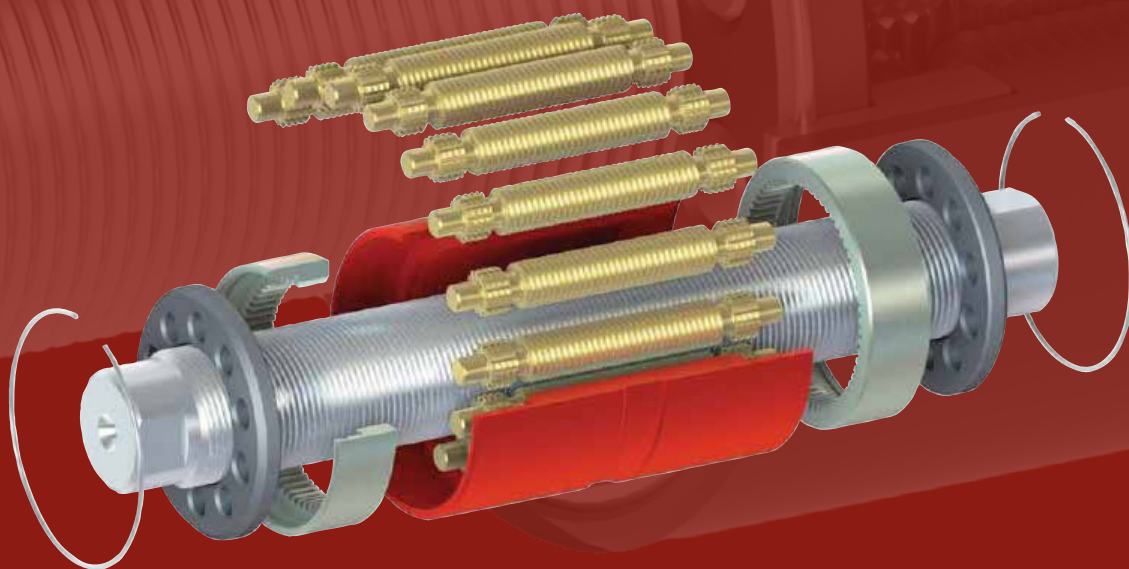
RV 30 x 30



RV 30 x 30



Dimensions	pages
RV 3,5 / 5 / 7 / 8 / 10 / 12 / 15	24 et 25
RV 18 / 20 / 21 / 23	26 et 27
RV 25 / 27 / 30	28 et 29
RV 36 / 39 / 44	30 et 31
RV 48 / 51 / 56	32 et 33
RV 60 / 64 / 70	34 et 35
RV 75 / 80 / 87 / 92	36 et 37
RV 100 / 120	38 et 39



**DFi**  
Data First

GRUPE  
CHEOPS TECHNOLOGY



Votre partenaire suisse du  
Cloud et de la Cybersécurité

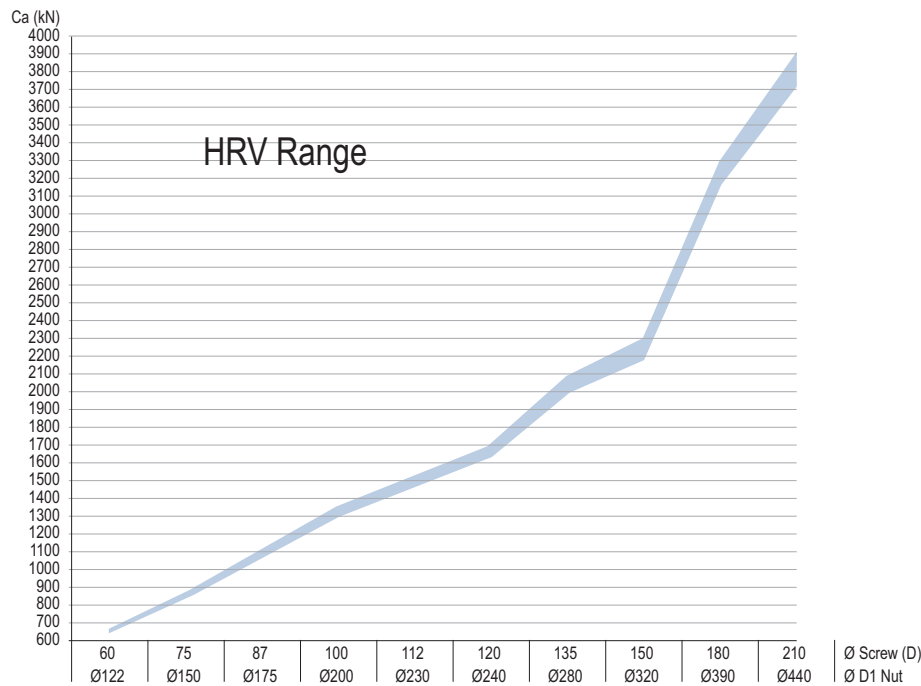


Cloud & Services Managés | Cybersécurité | Réseaux & Communications Unifiées | Modernisation Technologique

# Type HRV

Type HRV - Table of dimensions  
available as standard

Screw diameter (D)	Number of starts (N)	Lead (P)										
		15	18	20	24	25	30	35	36	40	42	50
60	5	X		X		X	X					
75	5	X		X		X	X					
87	5	X		X		X	X					
100	5	X		X		X	X	X				
112	5	X		X		X	X	X				
120	5	X		X		X	X	X		X		
135	5	X		X		X	X	X		X		X
150	5	X		X		X	X	X		X		X
180	5			X			X			X		X
210	5						X			X		X



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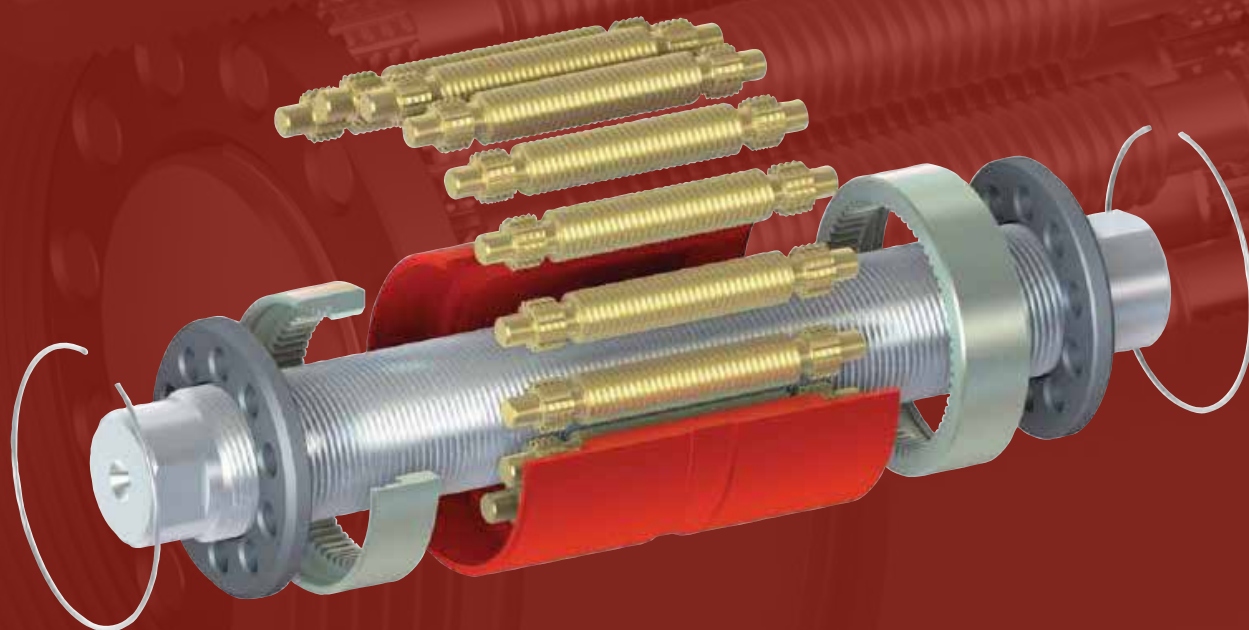


HRV 75 x 15

**Dimensions**

pages

●	<b>HRV 60 / 75 / 87 / 100 / 112 / 120</b>	42 et 43
●	<b>HRV 135 / 150 / 180 / 210</b>	44 et 45


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www.hiltbrunnerwsa.ch



## Type RVI

**Type RVI - Table of dimensions**  
available as standard

Screw diameter (D)	Number of starts (N)	Lead (P)															
		1	2	3	4	5	6	7	8	9	10	12	14	15	16		
10,5	3		x														
12	3	x	x														
13,5	3	x	x														
15	3	x	x	x													
18	3	x	x	x													
21	3		x	x	x												
24	3		x	x	x	x											
27	3		x	x	x	x											
28	4		x	x	x	x	x										
30	3		x	x	x	x	x										
36	4		x	x	x	x	x	x									
39	3			x	x	x	x	x	x								
44	4			x	x	x	x	x	x	x							
48	3			x	x	x	x	x	x	x	x						
51	3			x	x	x	x	x	x	x	x						
56	4				x	x	x	x	x	x	x	x					
60	4				x	x	x	x	x	x	x	x					
64	4				x	x	x	x	x	x	x	x	x				
70	5						x		x		x	x	x	x			
75	5						x		x		x	x	x	x			
80	4						x		x		x	x	x			x	

**CARRY-BOX  
MANUTENTIONS SA**

NOTRE EXPÉRIENCE AU  
SERVICE DE TOUTES  
VOS DEMANDES.



**CARRY-BOX<sup>SA</sup>**



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Vente et  
location de  
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transport@carry-box.ch

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christophe.cartier@carryboxmanut.com

**CARRY-BOX.CH**





RVI 8 x 0.5



RVI 39 x 6

**Dimensions**

pages

● RVI 10,5 / 12 / 13,5 / 15 / 18 / 21 / 24 / 27 / 28	58
● RVI 30 / 36 / 39 / 44 / 48	49
● RVI 51 / 56 / 60	50
● RVI 64 / 70 / 75 / 80	51

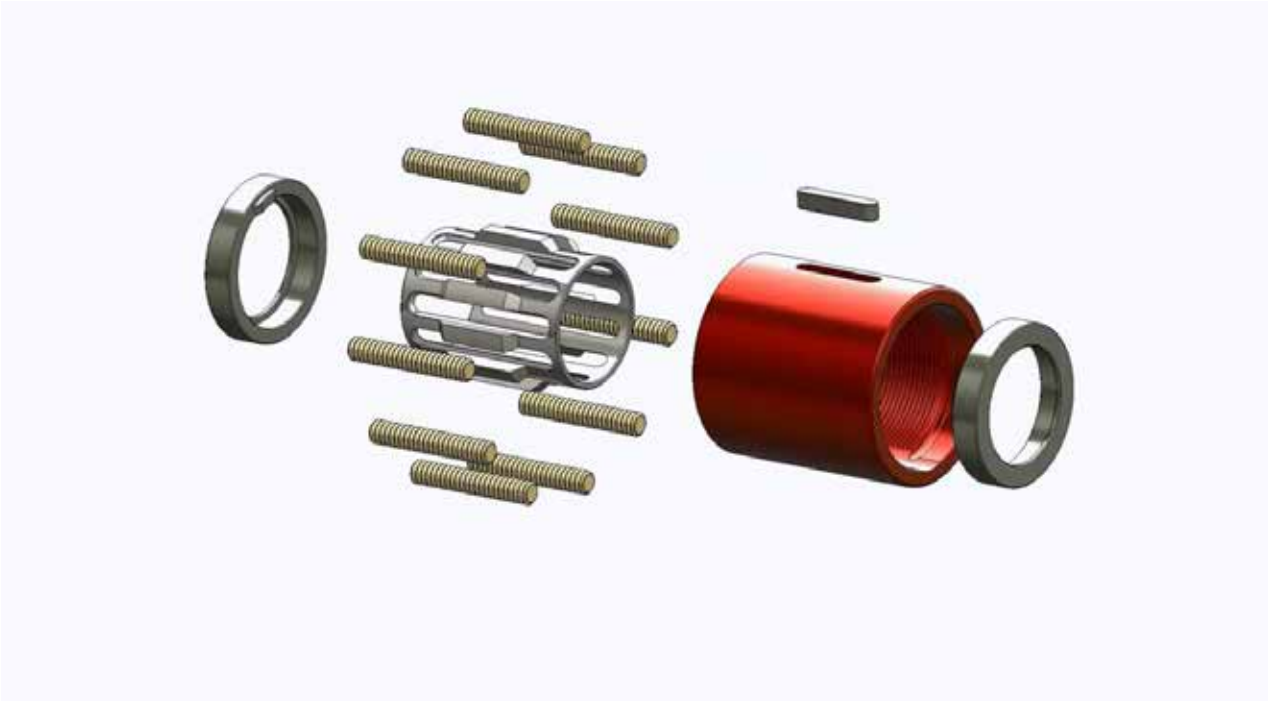
# Type RVR

Type RVR - Table of dimensions  
available as standard

Screw diameter (D)	Lead (P)						
	0,25	0,5	1	2	3	4	5
8	X	X	X	X			
10	X	X	X	X			
12	X	X	X	X			
16		X	X	X			
20		X	X	X			
25			X	X			
32			X	X		X	
36			X	X			
40			X	X		X	
50			X	X	X	X	
63				X	X	X	
80				X	X	X	
100					X	X	X
125							X



RVR presentation video





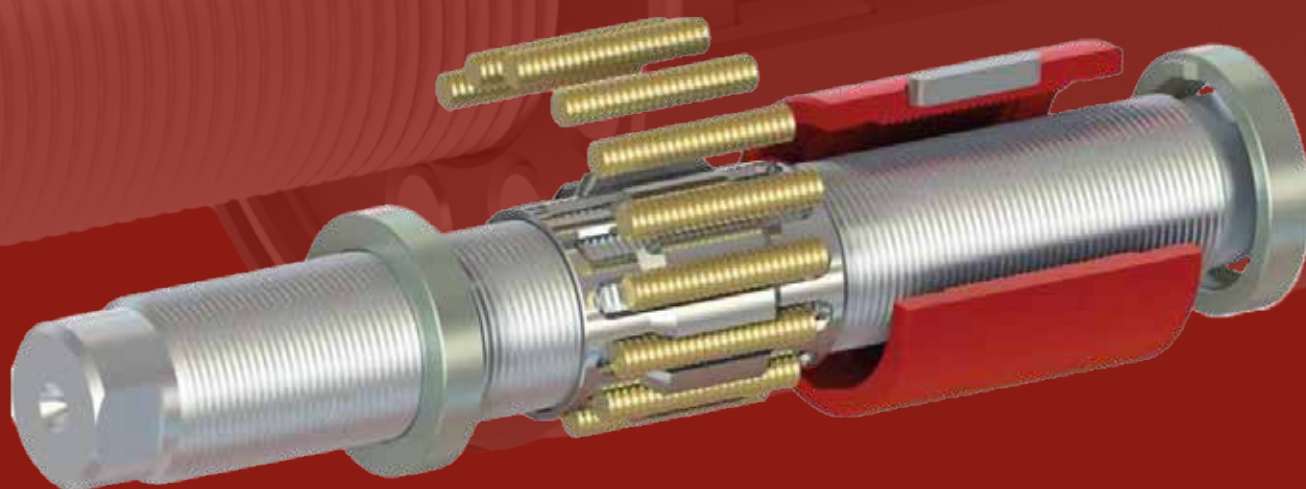


**RVR 12 x 1**

*Dimensions*

*pages*

● RVR 8 / 10 / 12 / 16 / 20 / 25 / 32 / 36 / 40	54 et 55
● RVR 50 / 63 / 80 / 100 / 125	56 et 57



## Type RVD

### Type RVD - Table of dimensions

available as standard

**The RVD satellite roller screw** is suitable for ultra precision applications where high resolution may be required. Careful calculations allow extremely fine pitches down to 0.05 mm, or even 0.02 mm for a full shaft revolution. It is common for customers to achieve nano meter positioning by using the RVD design/ This screw has relatively shorter strokes. The RVD screw requires the highest manufacturing precision to guarantee impeccable quality and has necessitated the development of very special machines.



Un des leaders Français depuis 1973

## L'engrenage, la maîtrise de la précision



Une équipe de professionnels motivés fabriquant des engrenages pour les secteurs de pointe tels que le militaire, l'aéronautique et le médical. La qualité, des engrenages fabriqués dans notre atelier, est suivie à toutes les étapes du cycle de production. Elle est garantie par les certifications ISO 9001 et EN 9100.

ISO 9001  
EN 9100  
BUREAU VERITAS  
Certification

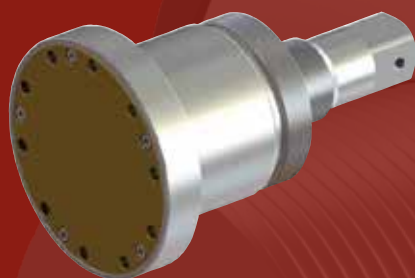




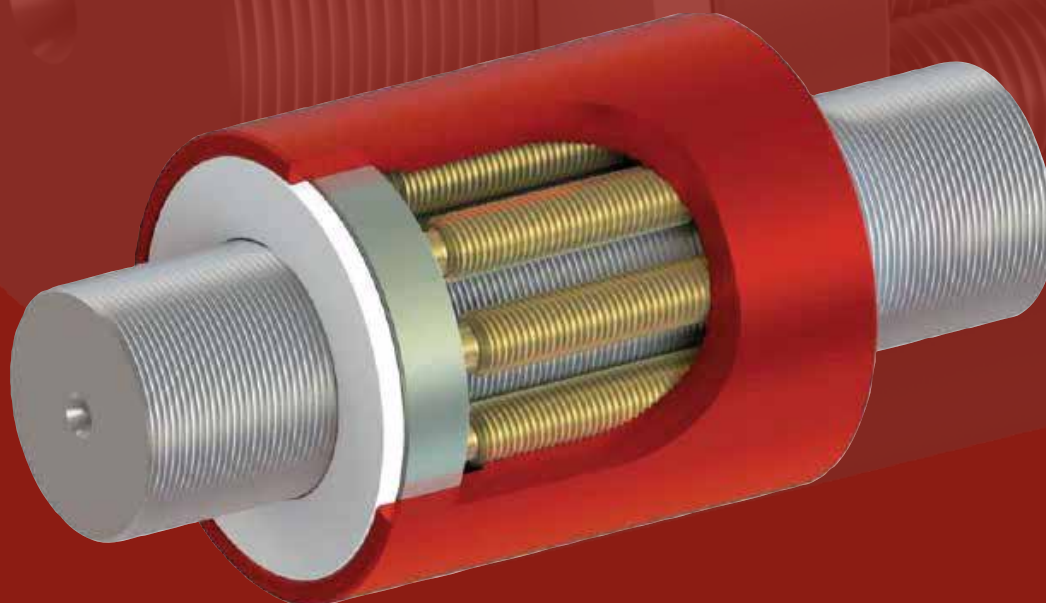
RVD 42 x 0.1



RVD 60 x 0.6



RVD 40 x 0

**Dimensions**

pages

● RVD 12 / 15 / 18

60

● RVD 21 / 24 / 27

61

● RVD 30 / 33

62

● RVD 36 / 39

63



## PRODUCTION AUTOMATION

### 100% future orientation

Automation of production resources. ROLLVIS SA has invested heavily in new production and automated control equipment.

### 100 % quality

Automated part control enables us to guarantee better quality and traceability.

### 100% productivity

The automation of operations enables us to guarantee the repeatability and regularity of production by reducing human intervention.

### 100% satisfaction

The advantages of automation enable us to increase our productivity and pass on optimised prices to our customers.



## KELLENBERGER K100

KELLENBERGER is a long-standing supplier to ROLLVIS SA, and our long-standing collaboration has enabled us to optimise KELLENBERGER K100 machines for cylindrical, polygon and thread grinding.

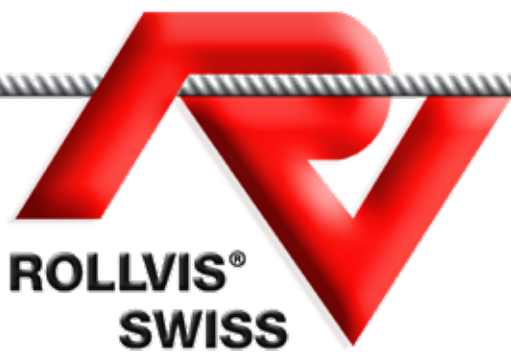
## WICK

Our long-standing collaboration with WICK, a company specialising in automation and robotics, has enabled us to develop the automation of several machines, resulting in significant productivity gains.

# KELLENBERGER LA RECTIFICATION AU PLUS HAUT NIVEAU

Haute précision, répétabilité maximale et disponibilité des machines - telles sont les caractéristiques qui distinguent les machines des marques KELLENBERGER et VOUMARD. Des caractéristiques brevetées telles que l'axe Z2 pour la compensation automatique de la longueur en cas d'alimentation automatisée des pièces sur les séries KELLENBERGER 100 et KELLENBERGER 1000 ou l'axe B2 avec tourelle de table sur la VOUMARD 1000 témoignent de la force d'innovation du spécialiste de la rectification Kellenberger. Les guidages hydrostatiques avec moteur linéaire dans toutes les séries sont uniques en leur genre. Ils garantissent une fidélité des contours et une sécurité des processus maximales pendant toute la durée de vie de la machine, sans usure.





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CH-1228 – Plan-les-Ouates / Geneva

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Expertise in roller screws for high-performance electromechanical systems