

 **BEKAERT**

better together

Bekinox[®] stainless steel wire



Stainless steel wires tailored to your specific application and needs

About the Bekaert Group:

The wire specialist

Bekaert is a global market leader in drawn steel wire products and a technological leader in its two core competences: advanced metal transformation and advanced materials and coatings. With 130 years of experience Bekaert has the flexibility and technical know-how to create any steel wire no matter what shape, composition or mechanical characteristics.

To guarantee the quality of our stainless steel wires Bekaert only uses the best wire rod. For this, we rely on a global network of top suppliers.

Global presence

Bekaert is active in more than 120 countries and employs over 23 000 people worldwide. This makes us the largest independent wire manufacturer in the world.

Over 600 International experts at your disposal

Bekaert maintains its technological lead through a process of continuous innovation. Our technology centres in Europe and Asia count over 600 international engineers and researchers who listen to your demands and have the ability to create a wire that meets your expectations. In order to guarantee the quality of our research Bekaert disposes of pilot lines and an in-house engineering department which develops its own machinery and process equipment.

Find the right stainless steel wire through co-development and innovative technology

Every application is unique, and so are our customers' needs. That is why Bekaert offers stainless steel wires tailored to your specific requirements. Thanks to our modern research facilities and advanced manufacturing processes we are able to produce stainless steel wires for any application.

A flexible and tailor-made production

Depending on the required properties of the wire, Bekaert offers a wide range of stainless steel grades which we can submit to a combination of production processes like rolling, drawing, thermal treatments, coatings and/or finishes. Our flexible service also extends to our ability to produce stainless steel wires in small or large quantities.

Fast deliveries

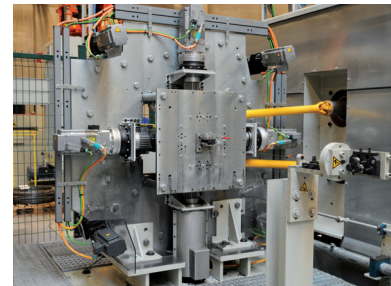
Bekaert has manufacturing sites and stocks of finished goods and pre-drawn wire strategically located in Europe and Asia. Because of this Bekaert is able to offer its customers stainless steel wires of consistent quality and timely deliveries wherever they are situated.

Certified quality

In order to offer our customers stainless steel wires of an uncompromised quality Bekaert makes use of state-of-the-art production lines and internationally recognised quality management systems; Bekaert holds the ISO 9001 and ISO TS 16949 certificate as well as the TÜV certificate for welding wire.



Bekaert's technology centers are on a constant pursuit of quality and innovation



Mechanical and technological properties according to standards or request



Finished goods and pre-drawn wire in stock - ready for fast delivery



A wide range of alloys

Bekaert brand name	AISI Grade	Material Nr. EN 10088-1	C	Cr	Ni	Mo	Mn	Si	S	Others
AUSTENITIC STAINLESS STEELS:										
Bekinox® 302	302	1.4310 NS	0,08	18,5	8,5		<2	<2	<0,02	
Bekinox® 302HLS	301	1.4310 HS	0,1	17	7,75	<0,5	<2	<2	<0,02	
Bekinox® 303	303	1.4305	<0,1	18	9		<2	<1	0,25	
Bekinox® 304	304	1.4301	0,05	18,5	9,5		<2	<1	<0,02	
Bekinox® 304B	304L	1.4307	<0,03	18,75	9		<2	<1	<0,02	
Bekinox® 304L	304L	1.4306	<0,03	18,75	11,5		<2	<1	<0,02	
Bekinox® 304LCu		1.4567	<0,04	18	9,5		<2	<1	<0,02	Cu: 3,5%
Bekinox® 305	305	1.4303	0,06	18	12,5		<2	<1	<0,03	
Bekinox® 310	310	1.4845	0,06	24,5	19,5	<0,75	<2	<1	<0,02	Cu, Co
Bekinox® 316	316	1.4401	0,06	17,25	11,5	2,25	<2	<1	<0,03	
Bekinox® 316L	316L	1.4404	<0,03	17,25	11,5	2,25	<2	<1	<0,03	
Bekinox® 4435	316L	1.4435	<0,03	17,5	13	2,75	<2	<1	<0,03	
Bekinox® 4436	316	1.4436	0,05	16,5	12,5	2,75	<2	<1	<0,02	
Bekinox® 316Ti	316Ti	1.4571	0,06	17,25	11,5	2,25	<2	<1	<0,03	Ti: 5x %C
Bekinox® 321	321	1.4541	0,06	17,5	9,6		<2	<0,75	<0,03	Ti: 5x %C
Bekinox® 904L	904L	1.4539	<0,02	20	25	4,5	<2	<0,7	<0,01	Cu: 1,5%
Bekinox® 201	201	1.4372	0,09	16,25	3,6	0,15	7,25	0,5	<0,01	Cu: 1,5%
Bekinox® 202	202	1.4373	0,09	17,3	4,1	0,15	7,75	0,5	<0,02	Cu: 1,5%
Bekinox® 204Cu	204Cu	1.4579	<0,08	16,5	1,5		7,5	<2	<0,03	Cu: 3%

FERRITIC STAINLESS STEELS:										
Bekinox® 430	430	1.4016	0,05	16,8	<0,50		<1	<1	<0,03	
Bekinox® 430F		1.4105	<0,08	17		0,4	<1,5	<1,5	0,25	

MARTENSITIC STAINLESS STEELS:										
Bekinox® 416	416	1.4005	0,11	13		<0,6	<1,5	<1	0,25	
Bekinox® 420	420	1.4021	0,21	13,5	<0,6		<1	<0,70	<0,03	
Bekinox® 4028HQ	420F	1.4028	0,3				<1,5	<1	<0,03	
Bekinox® 4031		1.4031	0,39	13,5			<1	<1	<0,02	
Bekinox® 4122		1.4122	0,4	16	<1	1,1	<1	<1	<0,03	
Bekinox® 4197		1.4197	0,22	13,25	1,1	1	<1,5	<0,6	0,2	
Bekinox® 455			<0,05	11,75	8,5	<0,5	<0,5	<0,5	<0,03	Ti: 1,1%; Cu: 2%; Ta, Nb

DUPLEX STAINLESS STEELS:										
Bekinox® Duplex		1.4462	<0,03	22,5	5,5	3	<2	<1	<0,015	Cu

PRECIPITATION HARDENING STAINLESS STEELS:										
Bekinox® 17-7PH	631	1.4568	0,08	17	7,4		<1	<1	<0,02	Al: 1%

Other alloys available on request.

STAINLESS STEEL WELDING WIRE

Bekaert brand name	AWS Grade	Material Nr. EN 10088-1	C	Cr	Ni	Mo	Mn	Si	S	Others
Bekinox® 307Si (*)	ER307	1.4370	0,08	19	8,7	<0,3	7	0,8	<0,01	Cu: <0,3%
Bekinox® 308L	ER308L	1.4316	<0,018	19,75	9,75	<0,2	1,8	0,38	0,01	Cu: <0,15%
Bekinox® 308L-M1	ER308L	1.4316	<0,018	19,75	9,8	<0,25	1,8	0,12	0,01	Cu: <0,2%
Bekinox® 308LSi (*)	ER308LSi	1.4316	<0,018	19,75	10,1	<0,2	1,8	0,8	<0,015	Cu: <0,15%
Bekinox® 308LSi-M1	ER308LSi	1.4316	<0,018	19,75	9,9	<0,2	1,8	0,85	<0,01	Cu: <0,15%
Bekinox® 309L	ER309L	1.4332	<0,018	23,35	13,3	<0,2	1,8	0,38	<0,01	Cu: <0,25%
Bekinox® 309LSi (*)	ER309LSi	1.4332	<0,02	23,35	13,7	<0,3	1,8	0,8	<0,02	Cu: <0,3%
Bekinox® 316L	ER316L	1.4430	<0,018	18,2	12,2	2,1	1,8	0,43	<0,01	Cu: <0,2%
Bekinox® 316L-M1	ER316L	1.4430	<0,018	18,4	12,2	2,61	1,8	0,15	<0,01	Cu: <0,15%
Bekinox® 316LSi (*)	ER316LSi	1.4430	<0,02	18,35	12,15	2,6	1,8	0,8	<0,015	Cu: <0,3%
Bekinox® 316SiNb (*)	ER318Si	1.4576	<0,03	18,45	11,8	2,64	1,8	0,8	<0,015	Nb: 0,45%; Cu: <0,3%
Bekinox® 430LNb (*)		1.4511	<0,02	18	<0,3	<0,3	<0,8	<0,5	<0,015	Nb: 0,45%; Cu: <0,3%

(*) TÜV-certified / Other alloys available on request.

Adaptable properties

Surface finishes

Uncoated:

- Bright
- Polished

Non metallic coated:

- Lubricating coatings: Stereate coating [BK] or slightly oiled
- PET coated: Bekinox®Color
- Lacquered






Metallic coated:

- Nickel
- Copper

Diameters and shapes

Round wire: 0.10 – 15 mm

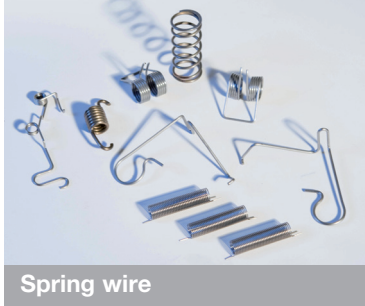
Tailor-made shapes:

Flat with natural edges	Square and rectangular with sharp edges	Half oval, half round, D-shape	Trapezoidal, triangular
			
Other shapes on request			
			

Make-up

- catch-weight coils
- large coils with welded mesh or cardboard core
- metal spools
- spoolless cores
- drums
- plastic spools
- wire spools
- cut lengths
- cardboard boxes

Discover the possibilities of Bekinox[®] stainless steel wires



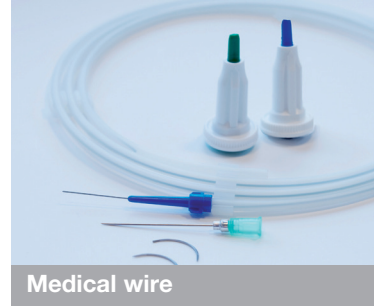
Spring wire

Good formability, smooth pay-off and reduced set-up times.



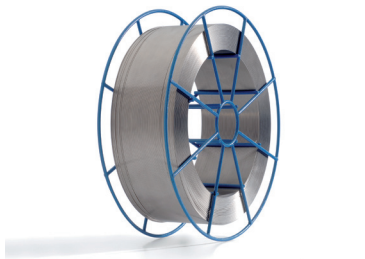
Brush wire

Straightened or crimped filaments suitable for hygienic and high-temperature applications.



Medical wire

Special qualities with perfect surface and mechanical properties.



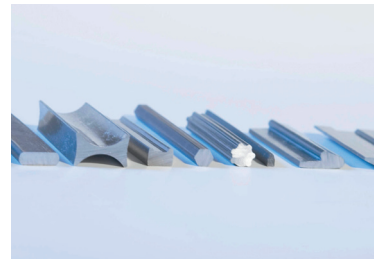
Welding wire

Available in wide variety of TÜV approved alloys.



Free cutting and cold heading wires

High hardness and smooth surface properties.



Flat and shaped wires

Stainless steel wires in any shape or diameter you require.



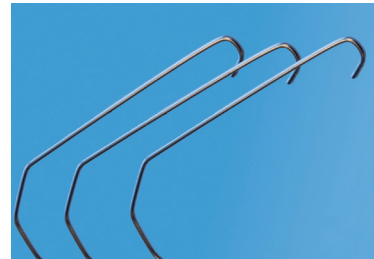
Rope wire

High tensile strength and good fatigue properties.



Clad wire

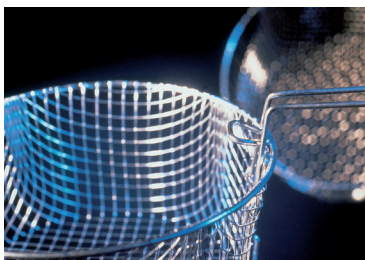
Combining different material properties into a single wire.



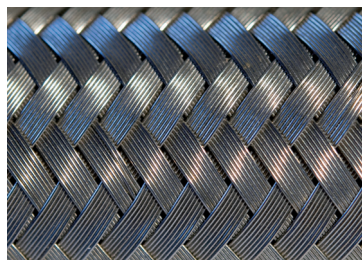
Forming wire

A broad portfolio of alloys, tempers and sizes for forming parts or meshes.

Other



Electro Polishing bright wires



Braiding wire

(braiding hose, conveyor belts...)



Weaving and Knitting wire

(meshes for industrial and architectural use, filters, sieves, ...)

And many more...

Bekaert at your service

Would you like to know more about Bekaert's stainless steel wires, or do you need advice in finding the right wire for your application? Your local Bekaert specialist is readily available to provide further information and support.

Global contact details available on www.bekaert.com



Feel free to contact us

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