YKK
Little Parts. Big Difference.

Fastening Products Group

SNAP & BUTTON

Sustainable finishes & products

SNAP & BUTTON

Sustainable

finishes & products

INDEX

YKK PHILOSOPHY

"Cycle of Goodness"

No one prospers without rendering benefit to others.

As an important member of society, a company survives through coexistence. When the benefits are shared, the value of the company's existence will be recognized by society. When pursuing his business, YKK's founder, Tadao Yoshida, was most concerned with that aspect, and would find a path leading to mutual prosperity. He believed that using ingenuity and inventiveness in business activities and constantly creating new value would lead to the prosperity of clients and business partners and make it possible to contribute to society. This type of thinking is referred to as the "Cycle of Goodness" and has always served as the foundation of our business activities. We have inherited this way of thinking, and have established it as the YKK Philosophy.

YKK MANAGEMENT PRINCIPLE

YKK seeks corporate value of higher significance.

Seeking corporate value of higher significance,

YKK will pursue innovative quality in the seven key areas shown above.

YKK Group Environmental Vision 2050

Towards a brighter future for nature and humanity

The YKK Group, in the spirit of the "Cycle of Goodness," challenges society and all employees to create new value in order to realize a rich natural environment for all living things in the future.

AcroPlating™

While electroplating is known for its superior decorative appearance and excellent corrosion resistance, the use of this technology is not without issues. The process involves the use of large amounts of water and electricity, as well as hazardous substances (YKK's wastewater treatment and discharge are compliant with all local standards and legal regulations). To deal with these issues, YKK developed AcroPlating™ finishing technology, an innovative technology that does not require the use of hazardous substances, such as cyanogen and chromium. This new, sustainable finishing process also conserves water and electricity and reduces greenhouse gas emissions.

LESS amount of **CHEMICALS**

LESS WASTEWATER

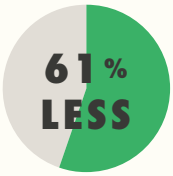
WASTEWATER can be

RECYCLED

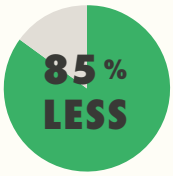
NO NEED for

OFF GAS TREATMENT DEVICE

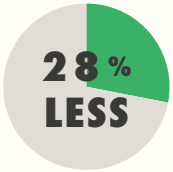
Doesn't use heat or toxic substances such as cyanide and chromium



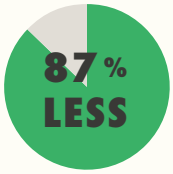
WATER USE



GHG EMISSIONS

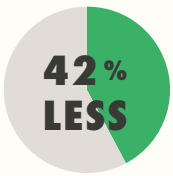


ELECTRICITY CONSUMPTION



SLUDGE GENERATION

THERMAL ENERGY USE

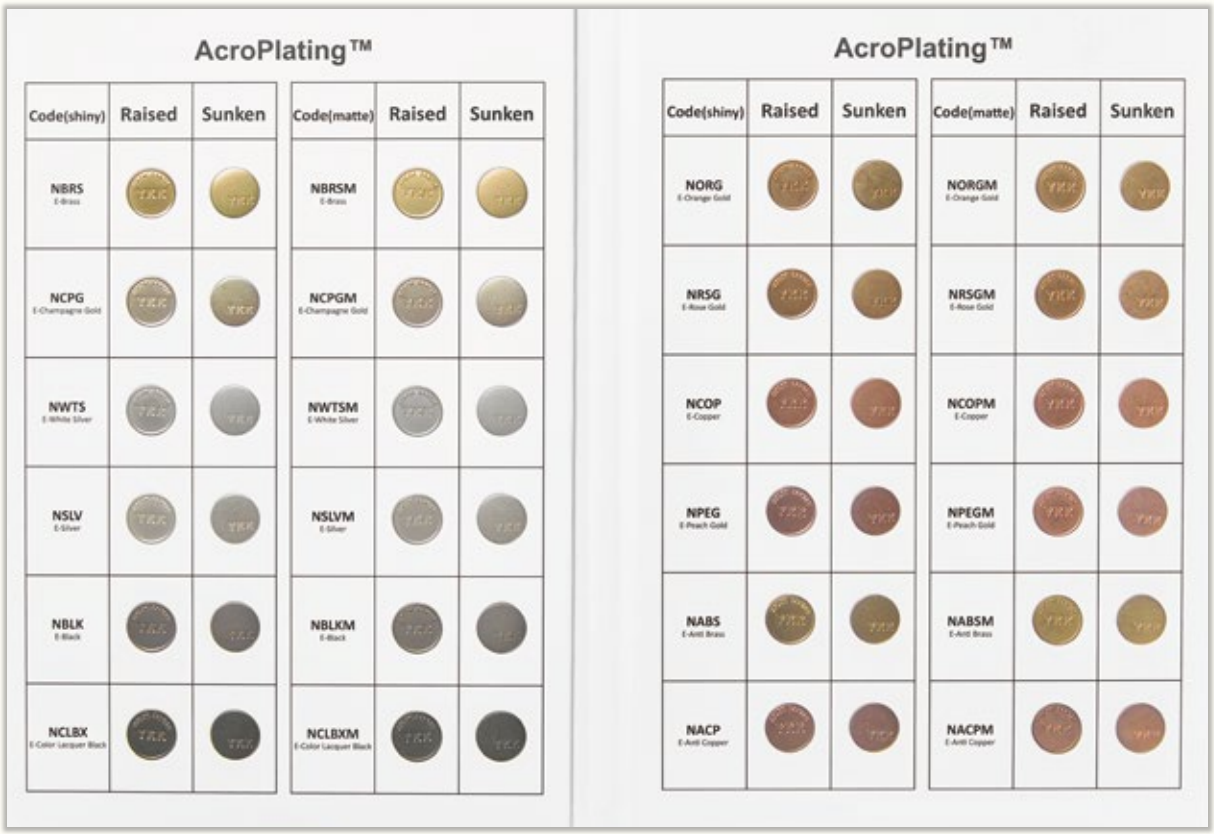


CHEMICAL CONSUMPTION

- When comparing AcroPlating™ finishing technology for NWTS against the use of YKK's conventional plating technology for a similar color (C5) in plating 1 ton of YKK's 27L shell buttons.
- The environmental impact comparison values shown above are based on data certified by third-party organizations.
- The values may differ depending on the country of production, item or size.

Available items	Jeans buttons, rivet burrs, snap caps, and various other pressed items (Please contact your sales representatives for details.)
Colors	12 standard colors

Color selections

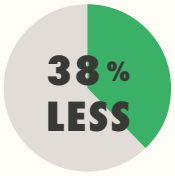


AcroPlating™ finishing is available in 12 colors. (As of Sep 2020)

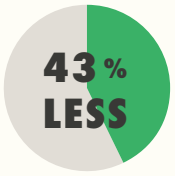
- The colors shown above may differ from the actual color.
- Actual colors can be confirmed in the separate, dedicated catalog.
- Corrosion resistance and other qualities may differ according to the color. Please inquire with YKK for details.

Basic colors

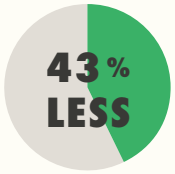
In addition to AcroPlating™ finishing technology, YKK offers sustainable surface finishing that leverages chemical conversion treatment to make the most of the characteristic color of the base material.
Similar to AcroPlating™ finishing, electroplating is not used, which greatly contributes to reducing the environmental impact as compared with conventional electroplating.



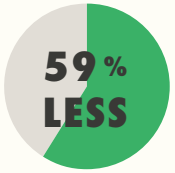
WATER USE



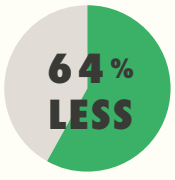
CO_2 EMISSIONS



ELECTRICITY CONSUMPTION



CHEMICAL CONSUMPTION



THERMAL ENERGY USE

- When comparing basic color "CX57MNS" finish against YKK's conventionally-plated product of a similar color (XL3) in the plating of 1 ton of YKK's 27L shell buttons.
- The environmental impact comparison values shown above are based on data certif ied by third-party organizations.
- The values may differ depending on the country of production, item or size.

Available items	Jeans buttons, rivet burrs, snap caps, and various other pressed items (Please contact your sales representatives for details.)
Colors	40 standard colors

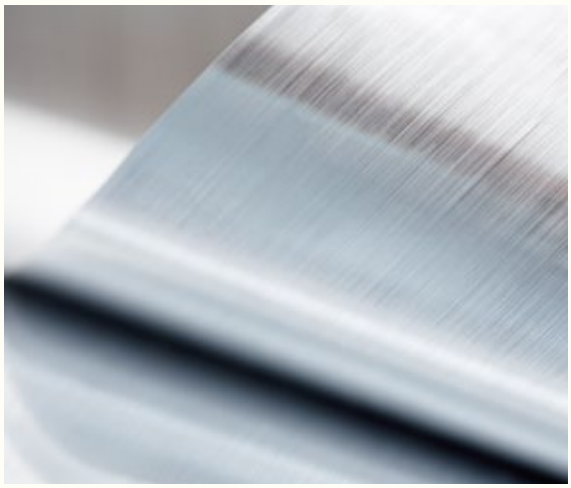
Color selections

There are 40 basic colors. (As of Sep 2020)

- The colors shown above may differ from the actual color.
- The actual colors can be confirmed in the separate, dedicated catalog shown in the photograph.
- Corrosion resistance and other qualities may differ according to the color. Please inquire with YKK for details.

Products that utilize stainless steel and /or aluminum and make the most of the base material's silver color

To achieve silver-colored products, electroplating is conventionally carried out on brass materials.
YKK focused its attention on using the naturally silver color of stainless steel and aluminum to offer items that feliminate the need for electroplating.



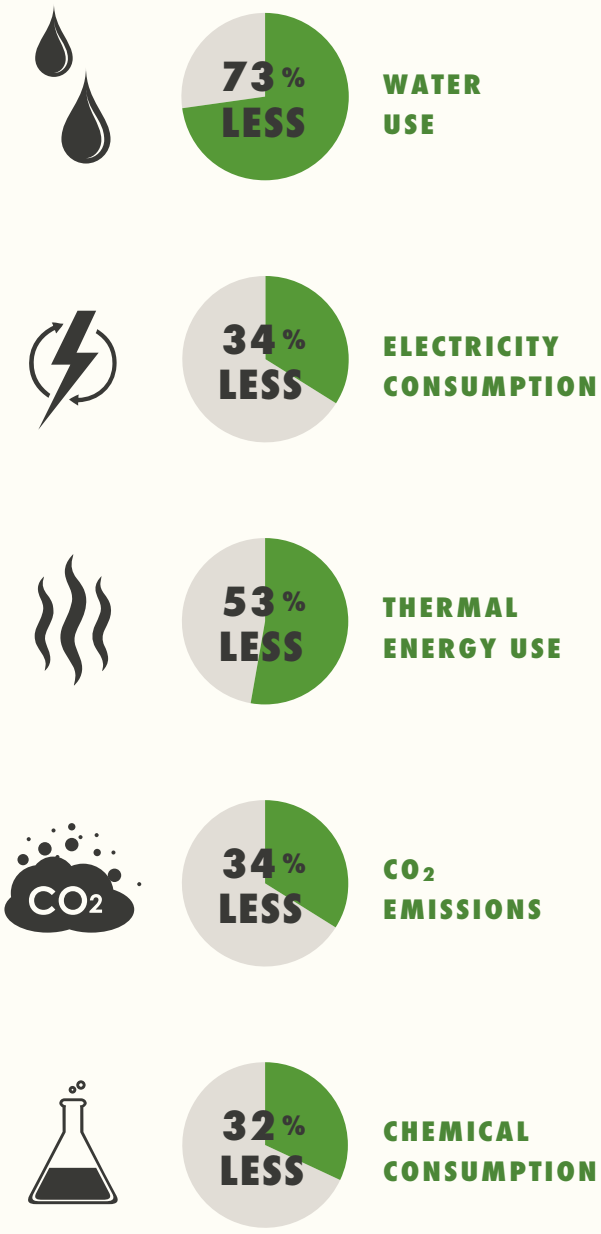
Item selections

Product name	Item code	Stainless steel	Aluminum
Snap button (S-spring)	SW35	●	
Snap button (Ring spring)	SK35	●	
Snap button (Plastic spring)	SWP SKP	●	●
SNAPET®	SA14 SA15	●	
Jeans button	*1	●	●

*1 The variation in material quality differs according to the item (Please see the page 13 that follows for details).

Conservation rates in the finishing process as compared with electrical plating

(results based on internal verification)



- When comparing amounts used in the production of 1 ton of SW35 (stainless socket, stud, and post) against the amounts used for the production of YKK's conventional brass material with a silver finish of a similar color (SPC).
- The percentages may differ depending on the country of production, item or size.

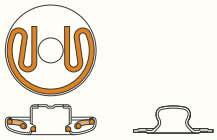
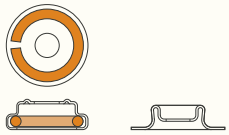
Snap button - metal spring -


SW


SK

These are metal spring snap buttons made of stainless steel and do not require plating.
Stainless steel has better corrosion resistance and is lighter than items made of brass.


SW SK

Items		SW (S-spring Snap)	SK (Ring-spring Snap)
		 socket stud	 socket stud
Material	Stud & socket	Stainless steel	Stainless steel
	Post	Stainless steel	Brass
	Spring	Brass	
Needle detection		Passes ϕ 1.0 needle detection test as a set (24L-size)	
Weight *1		16% reduction	8% reduction

Environmental Impact Reduction (Per 1 million sets)

- When comparing stainless steel SW35 (socket, stud and post) with conventional brass SW35.
- The numerical values below may differ depending on the country of production, item or size.

ELECTRICITY SAVING

4.2
Years LED lightbulb *2

WATER SAVING

350
bathtubs *3

CO_2 EMISSION

54
Cedar trees *4

THEMAL ENERGY SAVING

147
Boiling pots of water *5

*1 When 1 completed set is compared against a conventional, similar YKK 24L-size product made of brass.
*2 The amount of electricity required to light up a 16W LED light bulb.
*3 The amount of water required to fill a standard bathtub (200L).
*4 The amount of CO_2 absorbed by a 40 year old cedar tree in 1 year.
*5 The amount of thermal energy required to bring a 0.8L kettle of water to a boil.

Snap button - plastic spring -

SWP

SKP

These are plastic spring snap buttons made of stainless steel and aluminum and do not require plating.
The plastic spring gives them superior durability and a longer life.

SWP SKP

Items		SWP (SW type)		SKP (SK type)	
Socket	Designs	Standard, Flat		Standard	
	Sizes	18L, 21L		20L	
	Spring colors	8 colors (The color samples below differs from actual colors.) Black / White / Gray / Red / Yellow / Blue / Navy / Green			
Material	Stud & socket	Stainless steel	Aluminum	Stainless steel	Aluminum
	Post	Stainless steel	Aluminum	Brass	Aluminum
	Spring	Plastic (POM)			
Needle detection		Passes ϕ 1.0 needle detection test as a set (24L-size)			
Weight *1		59 % reduction		61 % reduction	

Environmental Impact Reduction (Per 1 million sets)

- When comparing aluminum SWP (socket, stud and post) against conventional, similar snap button product of brass with metal spring.
- The numerical values below may differ depending on the country of production, item or size.

ELECTRICITY SAVING

1.1
Years LED lightbulb *2

WATER SAVING

350
bathtubs *3

CO_2 EMISSION

14
Cedar trees *4

THEMAL ENERGY SAVING

147
Boiling pots of water *5

*1 When 1 completed set is compared against a conventional, similar YKK 24L-size product made of brass.
*2 The amount of electricity required to light up a 16W LED light bulb.
*3 The amount of water required to fill a standard bathtub (200L).
*4 The amount of CO_2 absorbed by a 40 year old cedar tree in 1 year.
*5 The amount of thermal energy required to bring a 0.8L kettle of water to a boil.

SNAPET®

This is a prong snap button made of stainless steel and does not require silver plating.
Stainless steel has better corrosion resistance and is 14% lighter than items made of brass.

Material	Stainless steel
Sizes	14L, 15L
Needle detection	Passes ϕ1.0 needle detection test as a set
Weight *1	14% reduction

Environmental Impact Reduction (Per 1 million sets)

- When comparing stainless steel SNAPET®15L (socket, stud and prong) against conventional, similar brass product.
- The numerical values below may differ depending on the country of production, item or size.

ELECTRICITY SAVING

1.5
Years LED lightbulb *2

WATER SAVING

109
bathtubs *3

CO_2 EMISSION

20
Cedar trees *4

THEMAL ENERGY SAVING

22
Boiling pots of water *5

*1 When 1 completed set is compared against a conventional, similar YKK 15L-size product made of brass.
*2 The amount of electricity required to light up a 16W LED light bulb.
*3 The amount of water required to fill a standard bathtub (200L).
*4 The amount of CO_2 absorbed by a 40 year old cedar tree in 1 year.
*5 The amount of thermal energy required to bring a 0.8L kettle of water to a boil.

Jeans button

Stainless steel and aluminum, which do not require plating, are used on various types of button bodies. The light weight of aluminum buttons is also an appealing characteristic.

Material (body)		Aluminum		Stainless steel
Button type		Plastic insert button	Metal body button	Staple button
Items	CLOSE TOP	JM42 TC21		JX10 TC80
	OPEN TOP		JM80 TC40	JX80 TC80
Weight *1		18% reduction (JM42CA001) 66% reduction (JM42AA001)		

Environmental Impact Reduction (Per 1 million sets)

- When comparing aluminum JM42 against conventional, similar brass product.
- The numerical values below may differ depending on the country of production, item or size.

ELECTRICITY SAVING

13.1
Years LED lightbulb *2

WATER SAVING

350
bathtubs *3

CO_2 EMISSION

167
Cedar trees *4

THEMAL ENERGY SAVING

218
Boiling pots of water *5

*1 When 1 completed set is compared against a conventional, similar YKK 27L-size product made of brass.
*2 The amount of electricity required to light up a 16W LED light bulb.
*3 The amount of water required to fill a standard bathtub (200L).
*4 The amount of CO_2 absorbed by a 40 year old cedar tree in 1 year.
*5 The amount of thermal energy required to bring a 0.8L kettle of water to a boil.

YKK CORPORATION

https://www.ykkfastening.com/

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