

The riveting tools handbook





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As of February 2021

The publishing of this product overview renders all previous editions invalid. Subject to changes in technical data, design and equipment.

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Online service

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Contact us around the clock at novus-fastening.com

You can find all the latest and important information on our website. We look forward to your visit!



Videos

Our website also contains videos on how to operate and handle our products.

Information on riveting materials

Which type of rivet should I use for which material? Visit our website for everything you need to know about our blind rivets and blind rivet nuts.

Table Delevance Money Money Works States Wards States Stat

FAQ

The most frequently asked questions about our tools and how to use them are answered here.

Technical support

Do you have a question about your riveting tool?

You can find the relevant operating manuals and notes on the corresponding product pages

For any other questions, contact our service team at:

Tel. +49 (0)5245 448 188

Contact

Using our dealer finder, you can find all the specialist dealers and DIY stores that stock our products in your area.

For all other queries, our head office will be happy to point you towards the right contact partner:

Tel. +49 (0)52454480





Always the right choice!

Our in-house research and development centre works tirelessly to improve our tools. To do so, we draw on over 70 years of experience from the diverse emco Group, the parent company of Novus Fastening Technology that employs over 1,200 people worldwide.

Fast and simple: get the best results!

Novus is your specialist for universal fastening technology. We are committed to making it easy for people to achieve their goals — whether in their professional projects or as a hobby. We offer high-quality, innovative products that will make your work easier.



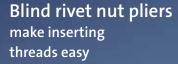
The right tool wherever you need strong connections!

Riveting pliers

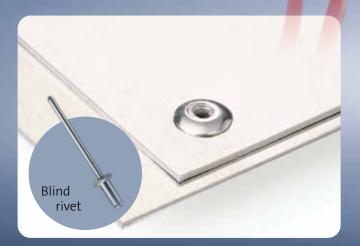
For lasting connections. Even when you only have one-sided access.

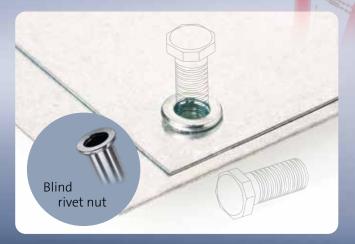
Wherever you need a strong, reliable fastening but can only access one side of the material, riveting technology is the answer.

Riveting is a professional fastening technology to permanently connect two workpieces.



With our blind rivet nut pliers, inserting a thread in a workpiece is easy, even when access is only possible from one side. This means you can attach signs directly, for example.







It's what's inside that counts!

What matters are the characteristics of the material and the mechanics inside the tool. If you use rivets often, you should choose a tool with a high-quality chuck jaw mechanism, which requires less pressure and is more durable than simple riveting pliers.



Find the right riveting tool in three easy steps!

We can recommend the perfect riveting tool for you!

- 1. How often do you use rivets?
- 2. What do you rivet?
- 3. Do you need a particular product feature?

1. How often do you use rivets?

Hobby

Household repairs

e.g. leather handbag handles, leather belts, toys, garden furniture, decorations

Universal

Craftsmanship

e.g. aluminium boxes, suitcases, leather chairs, protective plates, signs, perimeter advertising

Profi

Frequent professional use on construction sites or in workshops

e.g. car bodywork, aluminium, steel or copper plates, decorative mouldings, guttering, roofing shingles, vehicle spoilers, metal covers, aluminium partition walls

2. What do you rivet?

When joining metals, workpieces and rivets should be made of the same material to avoid contact corrosion. Novus offers aluminium (A), steel (S) and copper (C) riveting materials.







3. Do you need a particular product feature?

Some riveting tools have special features for specific applications, such as a 360° pivoting head.

Tip

See pages 32–33 for an overview of all Novus riveting pliers, and pages 42–43 for all our blind rivet nut pliers.



Prevent corrosion by choosing the right rivet!

When joining metals, workpieces and rivets should be made of the same material to avoid contact corrosion. See our full range:

Always find the right riveting material!

To ensure that you always know which riveting tool goes with which rivet, the symbols for the riveting material types are printed on the packaging of both the device and the riveting material.





A Aluminium blind rivets





These riveting materials are optimally suited to the following materials:

Non-iron metals Plastic Lightweight materials Leather and textiles Steel plates

Corrosion-resistant, electrically conductive connections



Blind rivet nuts





Non-iron metals Plastic Lightweight materials Leather and textiles Steel plates

Tip

Even after many years of everyday use, you can rely on your Novus riveting pliers and blind rivet nut pliers to work perfectly. Novus offers a guarantee of up to five years if the device is used as intended.









Fixes **signs** on a range of substrates



Strong hold even **on firm materials** such as aluminium



Easily withstands **constant vibrations**.



Perfect for small **household repairs**.

Step by step

How to easily fit a blind rivet



Measure the thickness of the materials you want to connect and see the table on page 45 to determine the right blind rivet size.



Drill a hole with a diameter 0.1 mm larger than the blind rivet into the parts you want to join.



Open the handle catch and insert the blind rivet mandrel into the mount.



Push the blind rivet shaft through the drill hole.



Press the handles together. Repeat until the rivet mandrel breaks off.



The blind rivet is fitted, providing a stable and long-lasting connection.



360° vario





The pivoting head can be rotated through 360°, allowing you to easily access hard-to-reach areas.

Easy use



Return spring for simple, automatic man drel ejection.

One-hand operation

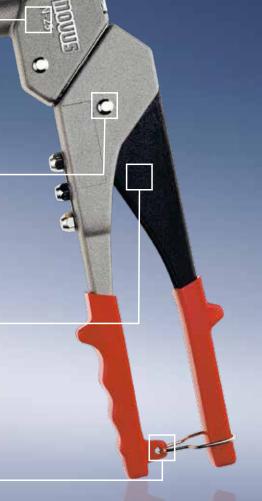


nomic one-hand operation and prevents fatigue.

Safety lock handle



Space-saving handle lock for secure storage in your toolbox





Perfect riveting pliers set for beginners. Suitable for all common small repair jobs with aluminium rivets for fastening aluminium, leather or fabric.

- Takes aluminium blind rivets in a diameter of up to 5 mm
- Durable aluminium tool body and sheet-steel lever
- Precize Head: Narrow head for riveting at hard-to-reach places
- One-handed operation: Easy one-handed operation thanks to integrated return spring
- Comfort grip: Ergonomic handle design for stress-free work
- Easy use: Return spring for easy, automatic mandrel ejection
- Safety Lock Handle: Lock-down handle for storage when not in
- Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage
- Supplied including A2.4, A3, A4 and A5 aluminium blind rivets each in quantities of 15

15 x A2,4 15 x A3 15 x A4 15 x A5

Available as a set including A2.4/A3/A4/A5 aluminium rivets (15 each), interchangeable mounts and mounting key.



Riveting pliers are the quick way to make small repairs.



Bag straps can be reattached quickly.

Weight: 032-0038 0.714 kg 4009729058817 2,4 mm 3 mm 4 mm 5 mm

EAN:

Item no.:

Novus N-10 Set case Hobby



Perfect riveting pliers set for beginners. Suitable for all common small repair jobs with aluminium rivets for fastening aluminium, leather or fabric.

- Takes aluminium blind rivets in a diameter of up to 5 mm
- · Durable aluminium tool body and sheet-steel lever
- Precize Head: Narrow head for riveting at hard-to-reach places
- One-handed operation: Easy one-handed operation thanks to integrated return spring
- Comfort grip: Ergonomic handle design for stress-free work
- Easy use: Return spring for easy, automatic mandrel ejection
- Safety Lock Handle: for storage when not in use
- Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage
- Delivered in case incl. A2, 4, A3, A4 and A5 aluminium blind rivets (15 of each)

Delivered in case incl. A2, 4, A3, A4 and A5 aluminium blind rivets (15 of each)



Bag straps can be reattached quickly.



Everyday companions like handbags, are quickly repaired.





Robust beginner's device for various applications involving aluminium, steel and copper rivet fastenings, incl. patented gauge on the handle for measuring rivet size.

- Suitable for working with aluminium, steel and copper blind rivets up to 5 mm in diameter.
- Durable aluminium tool body and sheet-steel lever
- Precize Head: Narrow head for riveting at hard-to-reach places
- One-handed operation: Easy one-handed operation thanks to integrated return spring
- · Comfort grip: Ergonomic handle design for stress-free work
- Easy use: Return spring for easy, automatic mandrel ejection
- Safety Lock Handle: for storage when not in use
- Measuring control: Patented gauge on the handle for easy measuring of rivet strength directly on the pliers.
- Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage

A 5
Fits

A 4

A 2,4

A 2,4

Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage



Everyday companions like handbags, are quickly repaired.



Riveting can be even used for reliably repairing firm materials, like aluminium.

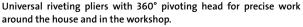
 Item no.:
 Weight:
 Guarantee:
 EAN:

 032-0040
 0.526 kg
 3 years
 4009729058862

 Ø
 Q
 Ø
 Ø

 2,4 mm
 3 mm
 4 mm
 5 mm





- Suitable for working with aluminium, steel and copper blind rivets up to 5 mm in diameter.
- Durable aluminium tool body and sheet-steel lever
- 360° Vario: 360° swivel head for riveting at hard-to-reach places.
- Precize Head: Narrow head for riveting at hard-to-reach places
- One-handed operation: Easy one-handed operation thanks to integrated return spring
- Comfort grip: Ergonomic handle design for stress-free work
- Easy use: Return spring for easy, automatic mandrel ejection
- Safety Lock Handle: for storage when not in use
- Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage

A 5 Fits

Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage



Riveting can be even used for reliably repairing firm materials, like aluminium.



The rivets provide a secure and reliable hold even where they are exposed to constant vibrations.

Item no.: Weight: Guarantee: EAN: 032-0041 0.665 kg 4009729058893 3 years

2,4 mm



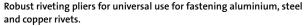












- Suitable for working with aluminium, steel and copper blind rivets up to 5 mm in diameter.
- Durable aluminium tool body and sturdy forged-steel lever
- One-handed operation: Easy one-handed operation thanks to integrated return spring
- Hardened steel mechanics: Wear-resistant thanks to particularly high-quality chuck jaws mechanic.
- Comfort grip: Ergonomic handle design for stress-free work
- Easy use: Return spring for easy, automatic mandrel ejection
- · Safety Lock Handle: for storage when not in use
- Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage



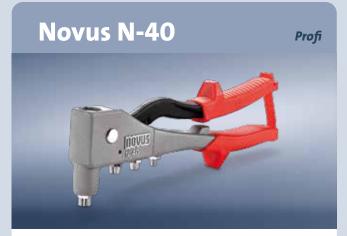
Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage

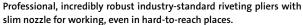


Riveting pliers are the quick way to make small repairs.



Riveting can be even used for reliably repairing firm materials, like aluminium.





- Suitable for working with aluminium, steel and copper blind rivets up to 5 mm in diameter.
- · Durable aluminium tool body and sturdy forged-steel lever
- Precize Head: Narrow head for riveting at hard-to-reach places
- One-handed operation: Easy one-handed operation thanks to integrated return spring
- Hardened steel mechanics: Wear-resistant thanks to particularly high-quality chuck jaws mechanic.
- Heavy duty: Professional industry-standard riveting pliers suitable for frequent use in the workshop thanks to high-quality material
- Comfort grip: Ergonomic handle design for stress-free work
- · Easy use: Return spring for easy, automatic mandrel ejection
- · Safety Lock Handle: for storage when not in use
- Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage



Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage



Riveting can be even used for reliably repairing firm materials, like aluminium.



Signs can be securely attached to a wide range of different surfaces.





- Suitable for working with aluminium, steel and copper blind rivets up to 5 mm in diameter.
- · Durable aluminium tool body and sheet-steel lever
- Easy: Maximised guillotine action for exceptionally smooth, easy riveting
- Hardened steel mechanics: Wear-resistant thanks to particularly high-quality chuck jaws mechanic.
- Heavy duty: Professional industry-standard riveting pliers suitable for frequent use in the workshop thanks to high-quality material
- · Comfort grip: Ergonomic handle design for stress-free work
- Waste tank: handy, integrated collection bin for rivet mandrels
- Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage



Integrated mounting key for quick mount exchange and four interchangeable mounts on the riveting pliers for practical storage



Perfect for fastening steel plates.



Riveting can be even used for reliably repairing firm materials, like aluminium.



		N-10	N-20		N-25 vario	N-30	N-40	N-55 easy
Applications		Househo	Household repairs		Craftsm	nanship	Frequent, professional use on construction sites or in workshops	
aterial	Aluminium blind rivets Non-iron metals Plastic Lightweight materials Textiles/leather	A24 A3 A4 A5	A2 <i>a</i> A3 A4 A5		A24 A3 A4 A5	A24 A5	A2A A3 A4 A5	A24 A3 A4 A5
Riveting material/material	Steel blind rivets Steel plates		S3 S4		\$3 \$4	53) 54)	53 54	53) 54)
Rivet	Copper blind rivets Corrosion-resistant, electrically conductive connections		C4		C4	C4	C4)	C4)
	Measuring control Gauge on the handle to measure rivet size						_	
	Precise head For precision	•						
	One-hand operation Only requires one hand	•			•	•	•	
	Easy use Automatic mandrel ejection	-	•		•	•	•	
Features	Safety lock handle Handle lock	•			•	•		
Feat	Comfort grip Ergonomic grip	-	•		•	•	•	•
	360° vario 360° pivoting head							
	Hardened steel mechanics Low-wear					•	•	•
	Heavy-duty Robust construction, highly durable							•
	Easy Maximum leverage							•
	Guarantee		3 years		3 years	5 years	5 years	5 years





Stable, highly loadable metric threads for removable screw connections



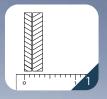
Affix signs to a wide range of materials



Easily attach number plates

Step by step

How to easily fit a blind rivet nut



Measure the thickness of the materials and see the table on page 45 to determine the right blind rivet nut size.



Drill a hole with a diameter 0.1 mm larger than the blind rivet nut into the part you want to join.



Open the handle catch and insert the threaded mandrel.



Screw the blind rivet nut onto the threaded mandrel for a flush fit.



Guide the blind rivet nut through the drill hole, set the stroke limitation and press the handles together.



Securely fasten an object to the metric thread on the blind rivet nut.



Precise head

Narrow head for fitting blind rivet nuts even in hard-to-reach places.

Precise adjust



The stroke can be limited by means of an adjusting screw, preventing damage to the thread and making it easier to safely and fully fit the blind rivet nut.

Heavy-duty



The riveting tool is robustly constructed and highly durable.

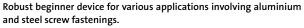
Safety lock handle



Space-saving handle lock for secure storage in your toolbox.







- Suitable for use with A6, A7 and A9 aluminium blind rivet nuts, and S6, S7 and S9 steel blind rivet nuts.
- Durable aluminium tool body and sturdy forged-steel lever
- Precize Head: Narrow head for riveting at hard-to-reach places
- One-handed operation: Easy one-handed operation thanks to integrated return spring
- · Comfort grip: Ergonomic handle design for stress-free work
- Easy use: Return spring for easy, automatic mandrel ejection
- · Safety Lock Handle: for storage when not in use
- Precise Adjust: Adjusting screw for stroke limitation to ensure perfect placement of blind rivet nuts
- Integrated mounts for M4, M5, M6, suitable threaded mandrel adapter and mounting key

Integrated mounts for M4, M5, M6, suitable threaded mandrel adapter

and mounting key

Riveting makes fast work of attaching and changing nameplates. For instance, changing-room lockers can be labelled in a matter of seconds.



Signs can be securely attached to a wide range of different surfaces.

39

Item no.: Weight: Guarantee: EAN:

032-0045 0.758 kg 5 years 4009729059012











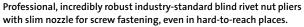












- Suitable for use with A6, A7 and A9 aluminium blind rivet nuts, and S6. S7 and S9 steel blind rivet nuts.
- Durable aluminium tool body and sturdy forged-steel lever
- Precize Head: Narrow head for riveting at hard-to-reach places
- One-handed operation: Easy one-handed operation thanks to integrated return spring
- Hardened steel mechanics: Wear-resistant thanks to particularly high-quality chuck jaws mechanic.
- Heavy duty: Professional industry-standard riveting pliers suitable for frequent use in the workshop thanks to high-quality material
- Comfort grip: Ergonomic handle design for stress-free work
- Easy use: Return spring for easy, automatic mandrel ejection
- Safety Lock Handle: for storage when not in use
- Precise Adjust: Adjusting screw for stroke limitation to ensure perfect placement of blind rivet nuts
- Integrated mounts for M4, M5, M6, suitable threaded mandrel adapter and mounting key

Item no.: Weight: Guarantee: EAN:

032-0046 0.775 kg 5 years 4009729059043



















Integrated mounts for M4, M5, M6, suitable threaded mandrel adapter and mounting key



Number plates can be changed with effortless ease thanks to the thread in the rivet nut



Riveting makes fast work of attaching and changing nameplates. For instance, changing-room lockers can be labelled in a matter of seconds.

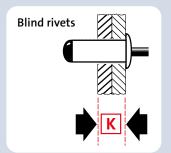


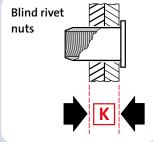
		N-120			N-140		
Applications		Craftsmanship		Frequent, professional use on construction sites and i workshops			
Riveting material/material	Aluminium blind rivet nut Non-iron metals Plastic Lightweight materials Textiles/leather	A6) M4	A7 M5	A9 M6	A6 M4	A7 M5	A9 M6
Riveting mat	Steel blind rivet nut Steel plates	\$6 M4	\$7 M5	\$9 M6	\$6 M4	S7 M5	\$9 M6
	Precise head For precision			-			-
	One-hand operation Only requires one hand		•			•	
	Comfort grip Ergonomic grip		•			•	
Si	Easy use Automatic mandrel ejection		•			•	
Features	Safety lock handle Handle lock		•			•	
"	Precision limiter Adjusting screw for stroke limitation		•			•	
	Hardened steel mechanics Low-wear					•	
	Heavy-duty Robust construction, highly durable					•	
	Guarantee	5	5 years			5 years	



Finding the right riveting materials.

To rivet two workpieces together, you need to know the thickness of the materials. The overview shows which blind rivets or blind rivet nuts are most suitable for riveting the respective material thickness (depending on the diameter and length of the rivet). This size is called the clamping length (C).





Example: The two materials you want to rivet together have a joint thickness of 4.8 mm (= clamping length 4.8 mm) and are made of aluminium. The hole is 4 mm in diameter.

We recommend an aluminium blind rivet A4, 8 mm

Ø in mm	6 mm	8 mm	10 mm	12 mm
A4	1.5-3.0	3.5-5.0	5.0-6.5	6.5-8.5

Tips

The diameter of the drill hole should always be 0.1 mm greater than the diameter of the blind rivet.

Use washers when riveting soft materials such as leather or plastic.

When joining metals, workpiece and rivet should be made of the same material to avoid contact corrosion.

Overview of clamping lengths C

"More is better" is not always true! Select the right rivet length for your task. A rivet that is too long will make your work more difficult unnecessarily.

Blind rivets		Blind rive			
Material	Ø mm	6 mm	8 mm	10 mm	12 mm
Aluminium	A2,4	1.5-3.5			С
	A3	2.5-3.5	4.0-5.5	5.0-7.5	
	A4)	1.5-3.0	3.5-5.0	5.0-6.5	6.5-8.5
	A5)		2.5-4.5	4.5-6.0	6.0-8.0
Steel				5.0-6.5	6.5-8.5
				4.5-6.5	6.5-8.5
Copper		0.5-3.5		4.5-6.0	6.0-8.5

Blind rivet n	uts	Blind rivet l		
Material	Ø in mm	10.5 mm	11.5 mm	15 mm
Aluminium	A6) M4	0.5–1.5		С
	A7) M5		1.0-2.0	
	A9 M6			1.5-2.5
Steel	\$6 M4	0.5–1.5		
	57 M5		1.0-2.0	
	\$9 M6			0.5-2.0



Aluminium blind rivet for fastening

- Non-iron metal
- Plastic
- Lightweight materials
- Leather/textiles



Steel blind rivet for fastening
Steel plates
3

	Length (mm)	Clamping length (mm)	Quantity (pcs)	Item no.	EAN
Ø 2.4 mm A2.4	6	1.5-3.5	30	045-0019	4009729015940
Ø 3 mm A3 - 68 - 10	6	2.5–3.5	30	045-0020	4009729015957
	8	4.0–5.5	30	045-0021	4009729015964
	10	5.0–7.5	30	045-0022	4009729015971
	6	2.5–3.5	70	045-0028	4009729016039
	8	4.0–5.5	70	045-0029	4009729016046
	10	5.0–7.5	70	045-0030	4009729016053
Ø 4 mm A4 - 6 - 8 - 10 - 12	6	1.5–3.0	30	045-0023	4009729015988
	8	3.5–5.0	30	045-0024	4009729015995
	10	5.0–6.5	30	045-0025	4009729016008
	6	1.5–3.0	70	045-0031	4009729016060
	8	3.5–5.0	70	045-0032	4009729016077
	10	5.0–6.5	70	045-0033	4009729016084
	12	6.5–8.5	70	045-0071	4009729053645
Ø 5 mm A5 -8 -10 -12	8	2.5–4.5	30	045-0026	4009729016015
	10	4.5–6.0	30	045-0027	4009729016022
	8	2.5–4.5	70	045-0047	4009729046838
	10	4.5–6.0	70	045-0048	4009729046852
	12	6.0–8.0	70	045-0072	4009729053669

	Length (mm)	Clamping length (mm)	Quantity (pcs)	Item no.	EAN
Ø 3 mm 53 -10 -12	10	5.0–6.5	20	045-0034	4009729016091
	12	6.5–8.5	20	045-0035	4009729016107
Ø 4 mm 54 -10 -12	10	4.5–6.5	20	045-0036	4009729016114
	12	6.5–8.5	20	045-0037	4009729016121

Copper blind rivet for

• Corrosion-resistant, electrically conductive connections



	Length (mm)	Clamping length (mm)	Quantity (pcs)	Item no.	EAN
Ø 3 mm	6	0.5-3.5	20	045-0038	4009729016138
	10	4.5-6.0	20	045-0039	4009729016145
C4)	12	6.0-8.5	20	045-0040	4009729016152
- 6 -10 -12					



Aluminium blind rivet nut for fastening

- Non-iron metal
- Plastic
- Lightweight materials



	Length	Clamping	Quantity	Item no.	EAN
6 mm in Ø with internal M4 thread	(mm) 10.5 10.5	length (mm) 0.5–1.5 0.5–1.5	(pcs) 10 30	045-0041 045-0075	4009729016169 4009729073490
7 mm in Øwith internal M5 thread A7 M5	11.5 11.5	1.0-2.0 1.0-2.0	10 30	045-0042 045-0076	4009729016176 4009729073513
9 mm in Ø with internal M6 thread	15 15	1.5–2.5 1.5–2.5	10 30	045-0043 045-0077	4009729016183 4009729073537



	Length (mm)	Clamping length (mm)	Quantity (pcs)	Item no.	EAN
6 mm in Ø with internal M4 thread	10.5	0.5–1.5	10	045-0044	4009729016190
7 mm in Øwith internal M5 thread	11.5	1.0-2.0	10	045-0045	4009729016206
9 mm in Ø with internal M6 thread	15	1.5-2.5	10	045-0046	4009729016213

Tips

Our riveting materials come in practical, resealable clear packaging made from environmentally friendly, recyclable PET.





Rise to every challenge without a problem!

The Novus product range not only includes riveting technology, but also a wide variety of tackers for use on construction sites, in workshops or DIY projects.







Cordless tackers







855 -3211 | EN 0521

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