

Newtron® 2

Efficacy and safety with Newtron® technology





Perfect ultrasonic vibrations, combined with high quality tips, preserve teeth and ensure accure treatments.

Precision

Precise treatments thanks to the controlled linear vibrations

Preservation

Tissue preservation with the automatic and continuous frequency adjustment

Comfort

Comfort for the patient and practitioner thanks to the real time power adjustment

Newtron®

A large range of tips meeting all the clinical needs

The widest range in the market, having over 60 different tips, with exclusive designs, alloys and coatings for clinical versatility.

PROPHYLAXIS



PERIODONTICS



US



SURGICAL ENDODONTICS



IMPLANT CARE



PROSTHETIC DENTISTRY

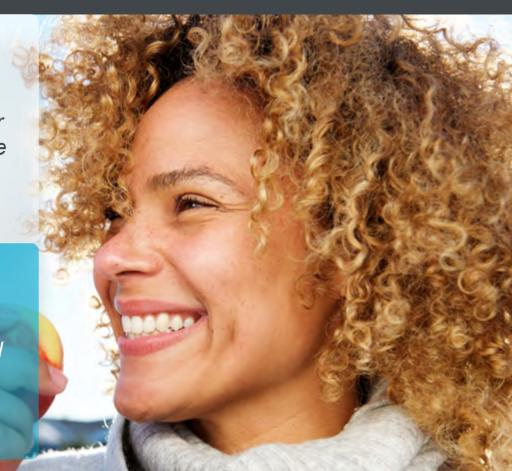


Procedures are done much quicker, much more effective and again much easier for both hygienist and the patient.

Dr. Kaminer, USA

ACTEON® devices and instruments assist me daily in ensuring a successful outcome to my patients

Dr Gorni, Italy



Newtron®

Newtron®

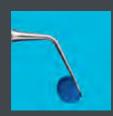
Gentle treatments thanks to Newtron® technology





- Controlled linear and regular vibrations
- Automatic and continuous frequency adjustment according to each tip shape and weight
- Real time power adjustment





- Total irrigation control
- Powerful cavitation

Enhanced visibility for accurate procedures

 Optimized external irrigation system

Thanks to the inner part of the handpiece in titanium, any type of irrigation solution including water, sodium hypochlorite and chlorhexidine, can be used.

The 300ml or 500ml graduated tanks allow to mix solutions directly, and to fill in during procedures.



o Reduced nebulization **Better visibility**

The irrigation can be reduced and controlled, allowing better visibility and lowering nebulization.

o Irrigation to the end of the tip

The easy and precise flow adjustment provides more powerfull cavitation and maximum tip efficiency (deposits fragmentation, desinfecting effect).

 F.L.A.G.™ for B.LED guides the practitioner for a precise and accurate treatment





Without B.LED

With B.LED

Applied on teeth, F.L.A.G.™ for B.LED highlights the dental plaques when used under the Newtron® slim B.LED handpiece and guides the practitioner in his procedure.

- Enhances treatment accuracy and avoids the overuse of instruments, thus preserving healthy tissues.
- Enables practitioners to educate patients and to encourage compliance.



Non b-led option also available

Newtron® 6 Newtron®

Simple and intuitive settings with the Color Coding System[™]





A design adapted to your needs

Elegant device

Flat glass surface, clean line and luminous power dial

Optimal ergonomics

Inclined front panel for better interaction with the practitioner and accessibility to the settings and the handpiece

Meeting hygiene requirements

- Removable power adjustment knob for easy decontamination
- Total watertightness

Balanced Newtron® slim handpiece

- Ergonomic shape regardless of the grip position, with flexible cord
- Interior in Titanium for extreme resistance to corrosion

Exclusive handpiece holders to prevent falls

Installed on the front or the side of the device, the holders in silicone can be removed and autoclaved



A large and versatile range of tips interacting in harmony with the handpiece and the device to deliver optimum performance

Newtron® tips are conceived to meet all clinical needs, thanks to exclusive designs, alloys and coatings that respect the surfaces treated: enamel, crown, implant.



Newtron® Periodontics Prophylaxis 10 Newtron® Periodontics Prophylaxis 11









scaling



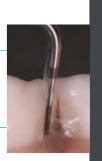
Supra- and sub-gingival scaling N° 1, N° 1S, N° 10X, H3 tips, 4 autoclavable dynamometric wrenches



hygiene



N° 1, N° 1S, N° 10Z, TK1-1S tips, 4 autoclavable dynamometric wrenches



Supra-gingival scaling





Universal tip

Simple cases: gross supra-gingival scaling.

Tangential orientation to the surface.

To-and-fro sweeping to "detach" the tartar whilst respecting the enamel.





Voluminous calculus

Removal of significant supra-gingival deposits.

Apply the flat part to the tooth surfaces.





Stains

Removal of marks and stains (tobacco, tea, coffee, etc.).

Apply the rounded extremity of the tip to the surface to be treated.

Sub-gingival scaling and probing





Shallow pockets

Scaling of pockets less than 2-3mm deep.





Medium pockets

Scaling of medium pockets (< 4mm). Removal of biofilm and soft deposits, while evaluating the depth of the pockets using the marks every 3mm.

Efficient for maintenance treatment in patients with good dental hygiene.

Supra- and sub-gingival scaling





Slim tir

Interproximal spaces scaling. Finer and longer than tip No.1, it is also powerful and robust.

Supra-gingival scaling and interproximal spaces





Interproximal spaces

Its anatomical shape allow fast and efficient procedure

periofine

Smooth biofilm elimination



Dental plaque and sub-gingival small deposits removal

Oriented tangentially: its shape adapts to the anatomy of the tooth for a painless and easy access.



Interproximal scaling of narrow areas

Left-oriented for an easy access to premolars and molars



Interproximal scaling of narrow areas

Right-oriented for debridement and cleaning of medium pockets.







Periodontics Newtron® Periodontics Newtron®









periodontics



N° 1S, H3, H4L, H4R tips, 4 autoclavable dynamometric



Periodontal debridement



Initial periodontics, anterior sector

Treatment of the incisor-canine block.

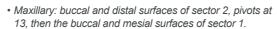


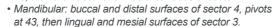
The guide edge is oriented parallel to the pocket. The H3 tip is descended into the periodontal pocket without risk of injury to the ligament. The cavitation will lift the debris out.



Periodontics for the premolar and molar sectors, left-oriented

First instrument in the sequence for treating all the surfaces and the furcations.

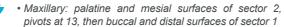






Periodontics for the premolar and molar sectors, right-oriented

Second instrument in the sequence.



 Mandibular: lingual and mesial surfaces of sector 4, pivots at 43, then buccal and distal surfaces of sector 3.

Root planing



Anterior tooth root planing, diamondcoated tip 30 µm

- Diamond-coated mini-tip for simple cases in the cervical area.
- Also effective for the withdrawal of granulation

This tip should be used without pressure and above the epithelial attachment because it is abrasive.





Root planing of the premolar and molar sectors, left-oriented, diamond-coated tip 30µm

Diamond-coated micro-probe for the treatment of furcations and narrow spaces.





Root planing of the premolar and molar sectors, right-oriented, diamond-coated

Diamond-coated micro-probe for the treatment of furcations and narrow spaces.













Newtron® Periodontics 14 Newtron® Periodontics











perio maintenance BDR



TK1-1S, TK1-1L, TK2-1L, TK2-1R tips, 4 autoclavable dynamometric wrenches



perio precision



P2L, P2R, TK1-1S tips, 3 autoclavable dynamometric wrenches



Biofilm disruption





Short probe

Graduated every 3mm, for examining shallow and medium pockets (< 4mm) and for the maintenance of simple cases.





Long probe

Examination and maintenance of medium to deep pockets (> 4mm).

Diagnosis aid during the debridement and irrigation of pockets.

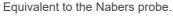
The TK1 probe tips are used without pressure following the contour of the pockets and skimming over the root surface.





Maintenance of the premolar and molar sectors, left-oriented

Maintenance of moderate to deep pockets and furcations.







Maintenance of the premolar and molar sectors, right-oriented

Complementary to the TK2-1L tip for the maintenance of moderate to deep pockets and furcations.

Equivalent to the Nabers probe.

Periodontal maintenance





Debridement of the premolar and molar sectors, left-oriented

Round micro-tip recommended for periodontal debridement in the presence of a fine peridontium and in narrow areas.

- Maxillary: buccal and distal surfaces of sector 2, pivots at 13, then the palatine and mesial surfaces of sector 1.
- Mandibular: buccal and distal surfaces of sector 4, pivots at 43, then lingual and mesial surfaces of sector 3.



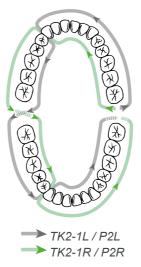


Second instrument in the sequence, after the P2L tip.

The double bend makes it possible to treat areas that are difficult to access (inter-radicular spaces, deep pockets).

- Maxillary: buccal and mesial surfaces of sector 2, pivots at 13, then buccal and distal surfaces of sector 1.
- Mandibular: lingual and mesial surfaces of sector 4, pivots at 43, then buccal and distal surfaces of sector 3.

The P2 tips can also be used to remove small amounts of excess cement when bonding fixed prosthesis.

















periosoft

Implant and prosthesis prevention





Hygiene of anterior sector

Plastic micro-tip with universal curette shape for the treatment of the incisor/canine groups.

- Removal of the biofilm and low adherence deposits without scratching the prosthetic surfaces.
- Polishing the sulcus or grooves of natural teeth.





Plastic micro-tip with 13-14 curette shape for the removal of biofilm and low adherence deposits for the treatment of the posterior groups.

- Maintenance for the screws and abutment of the implant.
- · Scaling of prosthesis.





Hygiene of premolar and molar sectors, right-oriented

Plastic micro-tip with 13-14 curette shape for the removal of biofilm and low adherence deposits for the treatment of the posterior groups.

The new material for these tips makes it possible to clean and debride faster, and gives better breakage resistance.

Max. Power = 3 (start of green mode).

implantprotect puretitanium

Pure titanium tips to preserve implant surfaces.



IP1, IP2L, IP2R, IP3L, IP3R tips, autoclavable metal support and universal wrench



Treatment of peri-implantitis and maintenance







Debridement of the implant abutment and wide threads

Pure titanium tip with a wider extremity for implant abutment cleaning and large thread debridement.





Debridement of medium implant threads, left-oriented

Pure titanium tip with a similar shape to P2L tip for the debridement of medium implant threads. The bend of the tip allows movement around the entire implant for total decontamination.





Debridement of medium implant threads, right-oriented

Pure titanium tip with a similar shape to P2R for the debridement of medium-sized implant threads. The approach may be non-surgical or open flap.





Debridement of narrow implant threads, left-oriented

Pure titanium tip with a pointed extremity suitable to reach narrow implant threads. All types of implants can be treated with these different tip sizes.





Debridement of narrow implant threads, right-oriented

Pure titanium tip with a pointed extremity suitable to reach the inner-most parts of narrow implant threads.





Newtron® Endodontics Newtron® **Endodontics**

endosuccess canal access prep

The micro-blades are less aggressive than diamond and their coating makes these tips very durable.



CAP1, CAP2, CAP3 tips, autoclavable metal support and universal wrench



Canal access preparation

CAP1





Active lateral part for:

- · Finishing walls and polishing.
- Removing temporary cement and dentinal residues.
- · Removing dentin overhangs.

Non-active end to prevent the risk of perforating the pulp chamber floor



Micro-blade tip, length 9mm, taper 5%

Active lateral part and extremity used by sweeping method to remove dentine bridges.



- Location of the MB2 (2nd mesiobuccal canal) and search for hidden canals.
- Preparation of the pulp chamber.
- Removal of the dentine layer which may hide the access to the MB2 canal.



Micro-blade tip, length 8mm, taper 6%

The CAP3 tip has a very pointed extremity indicated for:



- · Locating and opening the calcified canals.
- Fragmenting calcifications or pulp stones in the pulp chamber.
- · Loosening fiber posts.
- · Locating accessory canals.

Due to its very sharp point, the CAP3 tip must be handled with care (visual aids recommended).



Diamond-coated steel tip 76µm, length 18mm, taper 5%

- · Finishing the access cavity.
- · Removing dentine overhangs, calcifications and filling materials.





Searching for canals and locating calcified canals.



Irrigation



Passive ultrasonic irrigation (PUI) files of different lengths and diameters

Irrisafe™ safely* eliminates the smear layer, dentine debris and bacteria from the root canal. Its blunt tip prevents any risk of perforating the apex IRRISAFE or the canal walls.



- 20ml of irrigant (NaOCI) are injected into the canal.
- Irrisafe[™] is inserted 2mm short of the working length and activated by performing withdrawal movements to flush the debris and the smear layer upwards.
- Repeated 3x 1 minute in each canal.



Files of different lengths and diameters, taper 2%

Irrigation, withdrawal of calcified dentine and gutta percha, and withdrawal of broken instruments. For irrigation ultrasonic files are used with KFILES a disinfectant solution. To provide a final decontamination, use sodium hypochlorite until the smear laver is removed.

> K files are very sharp instruments and should be handled with precision. However they are flexible and can therefore be pre-bent.







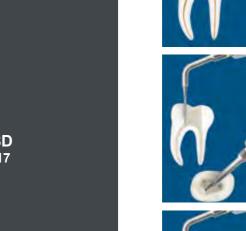
CAP1 F88181

CAP2

F88182

CAP3

F88183



Newtron® Endodontics 20 Newtron® Endodontics 21







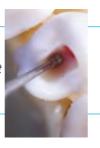




endosuccess retreatment



ET18D, ET20, ET25, ET25S, ETBD, ETPR tips, autoclavable metal support and universal wrench



endodontics



Endodontic treatments
CAP1, CAP2, CAP3, ET25, ETPR
tips, 4 Irrisafe 25-21 mm blister,
autoclavable metal support
and universal wrench



Canal Retreatment





Retreatment tip, length 20mm, taper 6%

Used in the 1st coronal third:

- Extraction of filling material, silver points, broken instruments
- Removal of debris and the smear layer.





Diamond-coated retreatment tip, 30 $\mu m,$ length 20mm, taper 5%

Used in the 1st coronal third to remove very hard materials by brushing the walls.

The diamond coating of the ET20D tip increases the cutting and lateral abrasion effect.





Titanium-Niobium tip, length 20mm, taper 3%

Retreatment in the middle and apical thirds and the extraction of broken instruments.

The Titanium-Niobium alloy of the ET25 range allows perfect transmission of the ultrasonic vibrations and tip flexibility*.





Short Titanium-Niobium tip, length 15mm, taper 4%

Retreatment in the coronal third and the isthmuses.

Retreatment and obturation





Long retreatment tip, 40mm, taper 4%

Rapid removal of broken instruments in the middle third of wide, straight canals.





Long retreatment tip, 40mm, diamond-coated 30 μ m, taper 4%

Retreatment of very hard material in the middle third.





Long Titanium-Niobium tip, 25mm, taper 3% Retreatment in the apical third and long, straight canals.

ET25 tips can be pre-formed for the treatment of curved canals.





Fine condenser, length 40mm, taper 4% Lateral condensation of gutta percha by heating effect. It is used dry, without irrigation.



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endosuccess apical surgery



AS3D, AS6D, AS9D, ASLD, ASRD tips, autoclavablemetal support and universal wrench



Apical surgery





Diamond-coated universal tip 30µm, length 3mm, taper 9%

Apical surgery of anterior teeth. It should be used without pressure, at the lowest possible effective power.





Diamond-coated tip 30µm, length 6mm, taper 9%

Second instrument in the sequence, used to obtain a preparation length of 5mm at least.

Diamond-coated tip 30µm, length 9mm,





Used for complex cases and for the preparation of the root canal up to the coronal third. The diamond coating is only present on the



extremity of the instrument not to over-prepare the canal.

The AS9D tip should first be introduced into the canal and oriented in the root axis before being activated to prevent the creation of a «false route».





Right-oriented tip, diamond-coated 30µm, length 3mm, taper 10% Apical surgery of premolars and molars.





Left-oriented tip,diamond-coated 30µm, length 3mm, taper 10%

Apical surgery of premolars and molars.

It should be used with very light pressure.

endosurgery

Retro surgery





Retro surgery tip angled at 70°, diamond-S12-70D coated 30μm, length 5mm, taper 9%

Treatment of posterior areas, in canals that are difficult to access or roots with specific orientations.





Universal retro surgery tip, diamond-coated 30µm, length 5mm, taper 7%

Preparation of canals in anterior teeth. The micro-retro tips make minimum treatment possible providing fast healing.





Left-oriented retro surgery tip, diamondcoated 30µm, length 5mm, taper 7% Preparation of premolar and molar canals.





Right-oriented retro surgery tip, diamondcoated 30µm, length 5mm, taper 7% Preparation of premolar and molar canals.









Newtron® Conservative & restorative dentistry Newtron® Conservative & restorative dentistry











perfect margin rounded



PM1, PM2, PM3, PM4 tips, autoclavable metal support and universal wrench



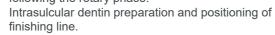
Prosthetic finishing with chamfered shape







First instrument of the ultrasonic sequence, following the rotary phase.





Finishing, rounded edge, diamond-coated tip 46 µm



Correction of irregularities in the finish line and start

Its diamond coating, less dense than on the PM1, makes it possible to obtain a cutting edge finish.



Polishing, rounded edge, smooth



This entirely smooth instrument is last in the finishing sequence, improving the condition of the surface at the cervical limit before impression



Corono-radicular preparation, conical, diamond-coated 46 µm

- After the rotating phase, the PM4 tip is used to: • Prepare the upper 1/3 of canal chamber.
- Shape anatomically the connection cone.
- · Clean the root walls.
- Smooth the entry cones for the anatomical posts.

Loosening and condensation









For inlays or onlays on posterior teeth.

Perform sequences of 10 sec each time, until the prosthesis is perfectly integrated into the cavity. In general 2 or 3 sequences are sufficient; after each sequence remove the excess cement from the margin edges.



Loosening tip (post removal)

The ETPR tip has profiled and concave shape. It provides greater efficacy on the posterior teeth.









Efficacy and safety

Choose the ACTEON® Original FORYOUR PROPERTY IN THE IS I

ACTEON® Original tips certify performance and safety

Our genuine ACTEON® tips have been designed to bring the best performance, efficiency and safety with Newtron®.

ACTEON®'s liability - both legal and with regard to the warranty of parts and accessories - can't be engaged for the damages that might arise from the use of other than ACTEON® Original tips, such as:

- Lack of performance
- Break-up of the device
- Safety of the patient

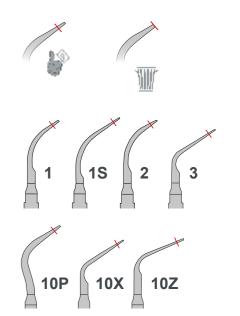
How to recognize a worn tip?

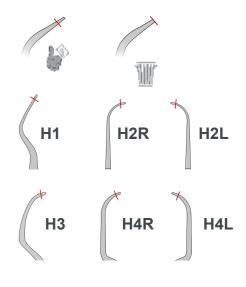
For a maximum performance and safety, tips must be renew

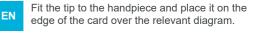
The active part of the tip is located on the last 3 mm. When the tip is worn, the action is limited and some key indicators can help the practitioner to identify a worn tip:

- Lack of results, because the oscillation of the tip is limited
- Pain for the patient, because of the increase of the power needed
- Overwarming of the surface
- Fatigue for the practitioner, because more pressure is needed to have a good result

For an optimal performance and the safety of your patients, it is important to change the tips on a regular basis, and not use worn tips. ACTEON® is providing a tip card which gives information on the wear of the tip.









Newtron® 28 Newtron®

Newtron®

Tips settings recommandations

Newtron® Tips	POWER	IRRIGATION	
PROPHYLAXIS			
1/2/3/18	14	\bigwedge	
10P	14	\bigwedge	
10X / 10Z	12	\bigwedge	
EX1* / EX2* / EX3* / EXL* / EXR*	12	Á	
PERIODONTICS			
H1 / H2L / H2R / H3 / H4L / H4R	2		
P2L / P2R	3		
TK1-1S	2	· ·	
TK1-1L / TK2-1L / TK2-1R	2		

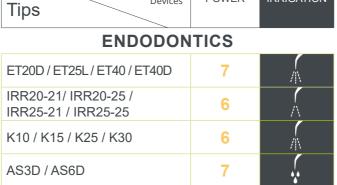
IMPLANT CARE

PH1 / PH2L / PH2R	2	, ·
IP1	3	, Ç
IP2L / IP2R / IP3L / IP3R	5	÷.

ENDODONTICS

CAP1	10	/
CAP2 / CAP3	10	\bigwedge
ET18D	10	/
ET20 / ET25 / ET25S / ETBD	7	





Devices

IRRIGATION

POWER

K10 / K15 / K25 / K30 6 AS3D / AS6D 7 AS9D 6 ASLD / ASRD 7 P14D / S12-70D 7 P15LD / P15RD 7 S04 7	IKK20-21 / IKK20-20		/ A
AS9D 6 ASLD / ASRD 7 P14D / S12-70D 7 P15LD / P15RD 7	K10 / K15 / K25 / K30	6	/ //
ASLD / ASRD 7 P14D / S12-70D 7 P15LD / P15RD 7	AS3D / AS6D	7	
P14D / S12-70D 7 P15LD / P15RD 7	AS9D	6	
P15LD / P15RD 7	ASLD / ASRD	7	\bigwedge
	P14D / S12-70D	7	
SO4 7	P15LD / P15RD	7	A
	SO4	7	×

PROSTHESIS & ESTHETICS

		_
PM1 / PMS1*	15	\bigwedge
PM2 / PMS2*	10	\bigwedge
PM3 / PMS3*	8	\bigwedge
PM4	15	\bigwedge
PMV1* / PMV2* / PMV3*	15	\bigwedge
PMV4* / PMV5* / PMV6*	10	\bigwedge
5AE / ETPR	20	/
C20	11	×



ewtron®

Meet your expectations with Newtron[®] ultrasonic devices



newtron P5XSb-led

Versatile & autonomous

Handpiece: LED NEWTRON® SLIM B.LED blue ring (F12900) white ring (F12905)

Dental plaque disclosing liquid F.L.A.G.™ for B.LED

Irrigation: 300ml tank (500ml tank in option: F62005) Irrigation flow rate: 5 -40 ml/min 29

Handpiece weight: 48g Device weight: 2100g Overall dimensions (LxWxH): 260x185x140mm

Non b-led option also available

newtron

P5b-led

Design & ergonomic

Handpiece: LED NEWTRON® SLIM B.LED blue ring (F12900) white ring (F12905)

Dental plaque disclosing liquid F.L.A.G.™ for B.LED

Irrigation: Connected to the water supply Pressure: 1 to 5 bars

Handpiece weight: 48g Device weight: 1650g Overall dimensions (LxWxH): 155x185x100mm

Non b-led option also available





newtron booster

Compact & efficient

Handpiece: Not LED SP NEWTRON® (F12281)

Overall dimensions (LxWxH): 129x160x87mm

Irrigation: Connected to the water supply
Pressure: 1 to 5 bars

Handpiece weight: 52g Device weight: 1600g

^{*}These products are discontinued

Newtron® Workflow 30 Newtron® Workflow 31 Newtron® Workflow 31



About Prophylaxis workflow

This combination of solutions helps dentists easily prevent and diagnose potential dental problems such as periodontal disease and tooth decay. It also allows to perform safe and minimally invasive procedures, providing best care and comfort for patients.





Diagnosis

To ensure a reliable diagnosis, I need to get a quick and clear view of initial signs of caries, periodontal disease, and other conditions.



C50 intraoral camera is the perfect companion for non-invasive and reliable caries detection, thanks to its fluorescent technology.



Treatment

I wish to carry out fast and accurate treatment, while reducing hand fatigue.





Newtron® P5XS B.LED and Bliss™ is the perfect combo to preserve tissues with efficacy and precision.
Less force is needed for more

comfort.

Air po

Air polishing

It is important for me to control the progression of the disease, without neglecting the comfort of my patient.

air-n-go easy



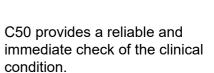
With Air-N-Go® easy, provide a gentle and effective treatment that limits bleeding. Stains and bacterial plaque are removed even in hard-to-reach areas.



Follow-up

In order to educate my patients for better treatment acceptance, I need to highlight the results of my dental care.





The images can be shown to the patient and saved to his file.



Protection

I need to ensure optimal clinical protection for my patients and limit the risk of cross-contamination.



riskontrol

Riskontrol® disposable tips are your must-have solution to perform dental care in a safe and clean place.

It assures protection, comfort and safety in every daily clinical procedures.



SATELEC

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