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DWE6423

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Fig. A

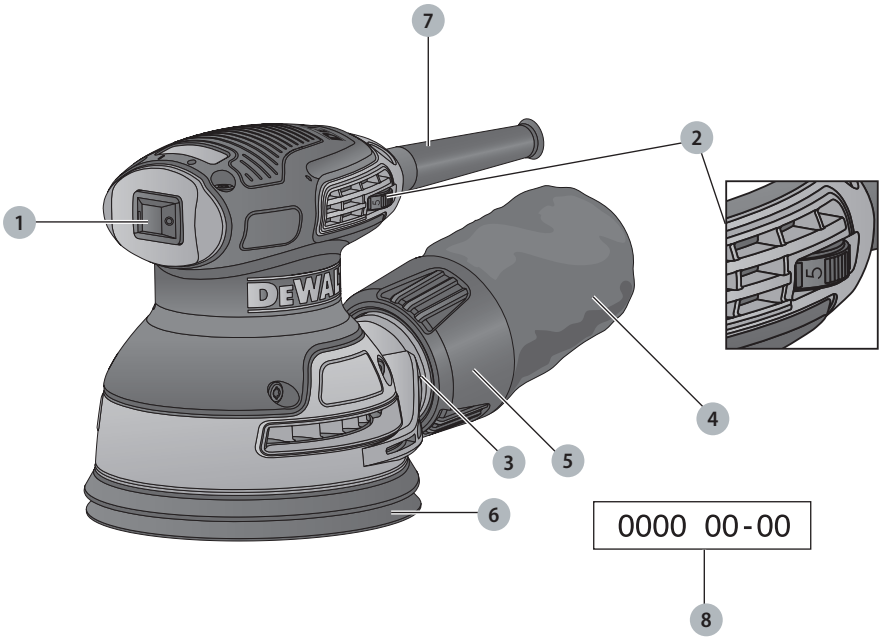


Fig. B

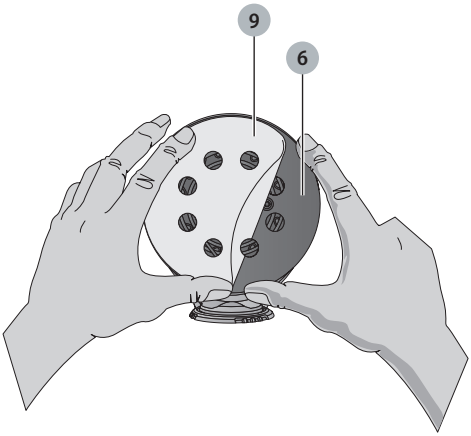


Fig. C

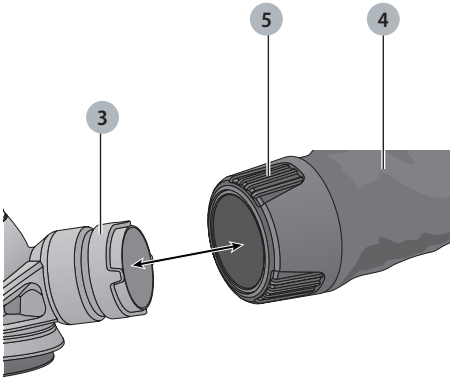


Fig. D

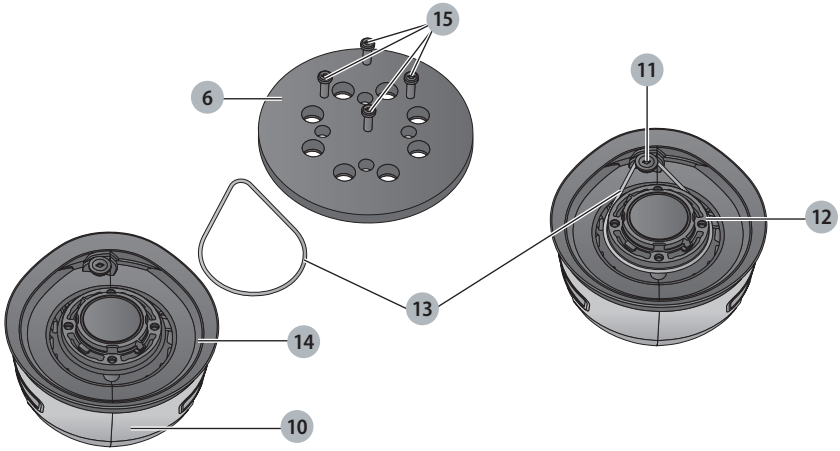
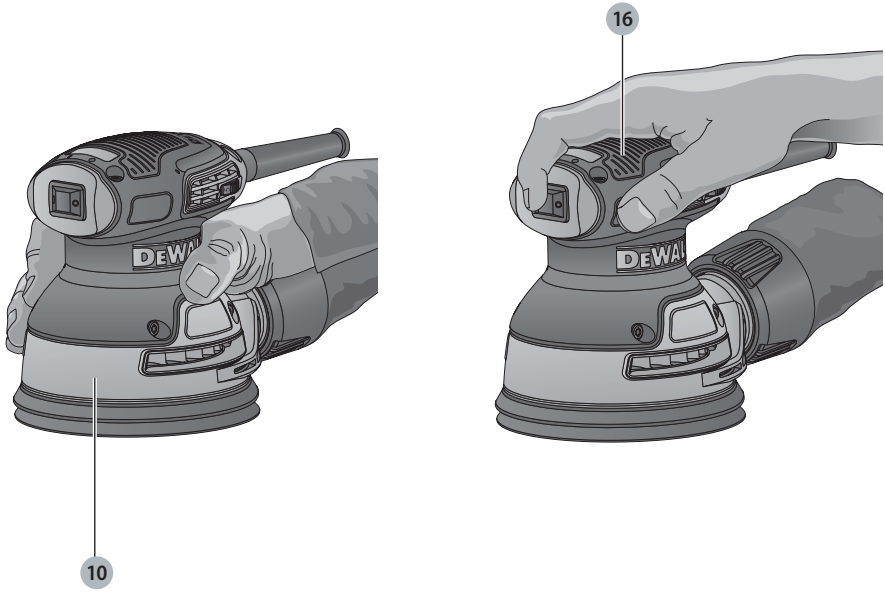


Fig. E



125 mm PALM GRIP SANDER
DWE6423

Congratulations!

You have chosen a DEWALT tool. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

		DWE6423
Voltage	V_{DC}	230
Type		1
Power output	W	280
Pad diameter	mm	125
Orbits	min^{-1}	8000–12000
Orbit ø	mm	2.6
Weight	kg	1.28

Noise values and/or vibration values (triax vector sum) according to EN62841-2-4:		
L_{PA} (emission sound pressure level)	dB(A)	80
L_{WA} (sound power level)	dB(A)	91
K (uncertainty for the given sound level)	dB(A)	3

Vibration emission value a_h =	m/s^2	<2.5
Uncertainty K =	m/s^2	<1.5

The vibration and/or noise emission level given in this information sheet has been measured in accordance with a standardised test given in EN62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

WARNING: *The declared vibration and/or noise emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration and/or noise emission may differ. This may significantly increase the exposure level over the total working period.*

An estimation of the level of exposure to vibration and/or noise should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration and/or noise such as: maintain the tool and the accessories, keep the hands warm (relevant for vibration), organisation of work patterns.

WARNING: *Always wear hearing protection when working with the sander.*

EC-Declaration of Conformity

Machinery Directive

CE

Palm Grip Sander
DWE6423

DEWALT declares that these products described under ***Technical Data*** are in compliance with:
2006/42/EC, EN62841-1:2015, EN62841-2-4:2014.

These products also comply with Directive 2014/30/EU and 2011/65/EU. For more information, please contact DEWALT at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of DEWALT.



Markus Rompel
Vice President of Engineering, PTE-Europe
DEWALT, Richard-Klinger-Straße 11,
65510, Idstein, Germany
26.02.2016

DECLARATION OF CONFORMITY THE SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2008

UK CA

Palm Grip Sander

DWE6423

DEWALT declares that these products described under ***Technical Data*** are in compliance with:

The Supply of Machinery (Safety) Regulations, 2008, S.I. 2008/1597 (as amended),

EN62841-1:2015, EN62841-2-4:2014.

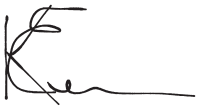
These products conform to the following UK Regulations:

The Radio Equipment Regulations 2017, S.I. 2017/1206 (as amended).

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, S.I. 2012/3032 (as amended).

For more information, please contact DEWALT at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of DEWALT.



Karl Evans
Vice President Professional Power Tools EANZ GTS
DEWALT UK, 270 Bath Road, Slough
Berkshire, SL1 4DX
England
26.02.2016



WARNING: *To reduce the risk of injury, read the instruction manual.*

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

DANGER: *Indicates an imminently hazardous situation which, if not avoided,* ***will*** *result in* ***death or serious injury****.*



WARNING: *Indicates a potentially hazardous situation which, if not avoided,* ***could*** *result in* ***death or serious injury****.*



CAUTION: *Indicates a potentially hazardous situation which, if not avoided,* ***may*** *result in* ***minor or moderate injury****.*

NOTICE: *Indicates a practice* ***not related to personal injury*** *which, if not avoided,* ***may*** *result in* ***property damage****.*



Denotes risk of electric shock.



Denotes risk of fire.

General Power Tool Safety Warnings



WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work Area Safety

a) ***Keep work area clean and well lit.*** *Cluttered or dark areas invite accidents.*

b) ***Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.*** *Power tools create sparks which may ignite the dust or fumes.*

c) ***Keep children and bystanders away while operating a power tool.*** *Distractions can cause you to lose control.*

2) Electrical Safety

a) ***Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.*** *Unmodified plugs and matching outlets will reduce risk of electric shock.*

b) ***Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.*** *There is an increased risk of electric shock if your body is earthed or grounded.*

c) ***Do not expose power tools to rain or wet conditions.*** *Water entering a power tool will increase the risk of electric shock.*

d) ***Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.*** *Damaged or entangled cords increase the risk of electric shock.*

e) ***When operating a power tool outdoors, use an extension cord suitable for outdoor use.*** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

f) ***If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.*** *Use of an RCD reduces the risk of electric shock.*

3) Personal Safety

a) ***Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.*** *A moment of inattention while operating power tools may result in serious personal injury.*

b) ***Use personal protective equipment. Always wear eye protection.*** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*

c) ***Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.*** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

d) ***Remove any adjusting key or wrench before turning the power tool on.*** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

e) ***Do not overreach. Keep proper footing and balance at all times.*** *This enables better control of the power tool in unexpected situations.*

f) ***Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.*** *Loose clothes, jewellery or long hair can be caught in moving parts.*

g) ***If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.*** *Use of dust collection can reduce dust-related hazards.*

h) ***Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.*** *A careless action can cause severe injury within a fraction of a second.*

4) Power Tool Use and Care

a) ***Do not force the power tool. Use the correct power tool for your application.*** *The correct power tool will do the job better and safer at the rate for which it was designed.*

b) ***Do not use the power tool if the switch does not turn it on and off.*** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

c) ***Disconnect the plug from the power source and/ or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.*** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

d) ***Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.*** *Power tools are dangerous in the hands of untrained users.*

e) ***Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.*** *Many accidents are caused by poorly maintained power tools.*

f) ***Keep cutting tools sharp and clean.*** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

g) ***Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.*** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

h) ***Keep handles and grasping surfaces dry, clean and free from oil and grease.*** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

5) Service

a) ***Have your power tool serviced by a qualified repair person using only identical replacement parts.*** *This will ensure that the safety of the power tool is maintained.*

Additional Specific Safety Rules for Sanders

WARNING: *Contact with or inhalation of dusts arising from sanding applications may endanger the health of the operator and possible bystanders. Wear a dust mask specifically designed for protection against toxic dust and fumes and ensure that persons within or entering the work area are also protected.*

WARNING: *Use this tool in a well-ventilated area when sanding ferrous metals. Do not operate the tool near flammable liquids, gases or dust. Sparks or hot particles from sanding or arcing motor brushes may ignite combustible materials.*

WARNING: *We recommend the use of a residual current device with a residual current rating of 30mA or less.*

Sanding Paint

WARNING: *Observe the applicable regulations for sanding paint. Pay special attention to the following:*

- *Whenever possible, use a vacuum extractor for dust collection.*
- *Take special care when sanding paint which is possibly lead based:*
  - *Do not let children or pregnant women enter the work area.*
  - *All persons entering the work area should weara mask specially designed for protection against lead paint dust and fumes.*
  - *Do not eat, drink or smoke in the work area.*
- *Dispose of dust particles and any other removal debris safely.*

Residual Risks

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

- *Impairment of hearing.*
- *Risk of personal injury due to flying particles.*
- *Risk of burns due to accessories becoming hot during operation.*
- *Risk of personal injury due to prolonged use.*

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.

Your DEWALT tool is double insulated in accordance with EN62841; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced only by DEWALT or an authorised service organisation.

Mains Plug Replacement (U.K. & Ireland Only)

If a new mains plug needs to be fitted:

- *Safely dispose of the old plug.*
- *Connect the brown lead to the live terminal in the plug.*
- *Connect the blue lead to the neutral terminal.*

WARNING: *No connection is to be made to the earth terminal.*

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 13 A.

Using an Extension Cable

If an extension cable is required, use an approved 3–core extension cable suitable for the power input of this tool (see

Technical Data).The minimum conductor size is 1.5 mm^2; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

Package Contents

The package contains:

1 Palm grip sander
1 Dustbag
1 Instruction manual

- *Check for damage to the tool, parts or accessories which may have occurred during transport.*
- *Take the time to thoroughly read and understand this manual prior to operation.*

Markings on Tool

The following pictograms are shown on the tool:


Read instruction manual before use.

Date Code Position (Fig. A)

The Date Code 8, which also includes the year of manufacture, is printed into the housing.

Example:

2020 XX XX
Year of Manufacture

Description (Fig. A)

WARNING: *Never modify the power tool or any part of it. Damage or personal injury could result.*

1 On/off switch
2 Electronic speed control dial
3 Dust extraction outlet
4 Dust bag
5 Dust bag collar
6 Sanding pad
7 Strain relief
8 Date code

Intended Use

Your sander has been designed for professional sanding applications.

DO NOT use under wet conditions or in the presence of flammable liquids or gases.

These sanders are professional power tools.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

ASSEMBLY AND ADJUSTMENTS

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/ installing attachments or accessories. *Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.*

Fitting Sanding Discs (Fig. B)

The tool uses 125 mm hook and loop sanding discs with an 8 hole dust extraction pattern.

1. Place the tool on a table, sanding pad 6 up.
2. Place the sanding disc 9 directly on top of the sanding pad.
3. Hold the sanding pad with one hand and align the dust extraction holes.
4. Press the disc firmly onto the sanding pad.

Setting the Electronic Speed Control Dial (Fig. A)

The speed is infinitely variable from 8,000–12,000 min^{-1} using the electronic speed control dial 2.

Turn the electronic speed control dial to the required level. The correct setting, however, is a matter of experience.

Generally, harder materials require a higher setting.

Dust Extraction (Fig. C, D)

WARNING: *Since woodworking with a sander produces dust, always install a dust bag designed in compliance with the applicable directives regarding dust emission.*

WARNING: *Do not use a dust bag or vacuum extractor without proper spark protection when sanding metal.*

Your sander has two dust extraction methods: a built-in outlet 3 which allows either the supplied dust bag 4 or a shop vacuum system to be connected; and a dust skirt (14, Fig. D). The built-in outlet utilizes the DEWALT airlock connection making it compatible with the DEWALT dust extractor and airlock accessory DWV9000.

To Attach the Dust Bag

1. While holding the sander, fit the dust bag collar 5 to the outlet 3 as shown in Figure C.
2. Turn the collar 5 clockwise to lock the dust bag 4 in place.

To Empty the Dust Bag

NOTE: Be sure to wear approved eye protection and approved dust mask when performing this procedure.

For efficient dust extraction, empty the dust collector when it is about one third full.

1. While holding the sander, turn the collar 5 anticlockwise to unlock the dust bag 4.
2. Remove dust bag from the sander and gently shake or tap the dust bag to empty.
3. Reattach the dust bag back onto the outlet and lock into place by turning the dust bag collar clockwise.

You may notice that all the dust will not come free from the bag. This will not affect sanding performance but will reduce the sander's dust collection efficiency. To restore your sander's dust collection efficiency, depress the spring inside the dust bag when you are emptying it and tap it on the side of the waste bin or dust receptacle.

OPERATION

Instructions for Use

WARNING: *Always observe the safety instructions and applicable regulations.*

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/ installing attachments or accessories. *Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.*

WARNING: .

- *Make sure all materials to be sanded are well secured.*
- *Apply only a gentle pressure to the workpiece. Excessive pressure does not improve the sanding effect, but only results in an increased load on the machine and causes the abrasive to tear.*
- *Avoid overloading.*

WARNING: *Do not sand magnesium.*

NOTICE: *If you wrap the cord around the tool when you store it, leave a generous loop of cord such that the strain relief (7, Fig. A) does not bend. This helps prevent premature cord failure.*

Proper Hand Position (Fig. E)

WARNING: *To reduce the risk of serious personal injury, **ALWAYS** use proper hand position as shown.*

WARNING: *To reduce the risk of serious personal injury, **ALWAYS** hold securely in anticipation of a sudden reaction.*

Proper hand position requires either one hand on the sander body 10 or one hand on the main grip 16 as shown.

Switching On and Off (Fig. A)

Set the sanding speed using the electronic speed control dial 2.

To switch the tool on, set the on/off switch to position I.

To switch the tool off, set the on/off switch to position O.

Sanding

Start with the coarsest grit size.

As the tool produces small abrasion marks in all directions, it is not necessary to sand with the grain.

Check your work at short intervals.

Always switch off the tool when work is finished and before unplugging.

MAINTENANCE

Your DEWALT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/ installing attachments or accessories. *Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.*

Replacing the Sanding Pad and the Speed Limiter Belt (Fig. D)

Your sander is equipped with a replaceable belt 13 which is located between the pad 6 and the sander body 10. It is designed to control the pad speed while the unit is off the work surface. The belt and the sanding pad 6 are designed to be consumable parts and will occasionally need to be replaced. The sanding pad needs replacement when signs of wear become evident. Replacement of the belt is necessary when the pad speed increases very dramatically when the unit is lifted from the work surface. These parts are available at extra cost from your local dealer or authorised DEWALT service centre.

1. Holding the platen firmly, remove the four screws 15 from the bottom of the pad.
2. Remove the pad 6.
3. Replace worn or damaged belt 13 by wrapping it around the shoulder screw 11 and bearing retainer 12 as shown in Figure D.
4. Reinstall pad (replace with new pad if necessary). Replace the four screws 15. Be careful not to over-tighten screws.

Lubrication

Your power tool requires no additional lubrication.

Cleaning

WARNING: *Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.*

WARNING: *Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.*

Optional Accessories

WARNING: *Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.*

Consult your dealer for further information on the appropriate accessories.

Protecting the Environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at **www.2helpU.com**.

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