# **Tomato**

Assortment 2018-2019



High-tech





#### Dear customer,

We are pleased to present to you our international tomato variety booklet, a handy overview of our tomato varieties developed for high-tech growing conditions.

Like last year we are presenting our varieties to you in order of size. We have decided on the following four weight categories: Mini (0-30 g), Cocktail (30-60 g), Large (60-160 g) and XL (160+ g). Also, we have grouped them together in terms of harvesting method (truss or loose) and shape (round, plum, etc).

Although we have made this overview as complete as possible, we recommend that you always observe our varieties in one of the Rijk Zwaan trial centers. The main trial centers for high-tech varieties are in Kwintsheul, The Netherlands and in Leamington, Canada. Our main trial center for protected varieties is in El Ejido, Spain. Besides these, there are many local trial stations around the globe. Ask your local representatives to make an appointment.

We invite you to visit our new Retail Center in Berlin, in which we:

- Showcase our latest retail solutions
- Analyse retail assortments
- Share insight with retail teams
- Conduct in-depth and varied consumer research projects

If you have any technical questions or creative ideas, please do not hesitate to contact your local representative. For now, we wish you success and hope to talk to you soon about your interest in our varieties.

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# Mini (<30 g), loose

Within the Mini Loose category there is a huge range of products varying in taste, colour and shape. Here at Rijk Zwaan we are developing our range to include good, tasty and profitable varieties that stand out from the crowd whilst offering the grower positive plant characteristics. If you have any specific requests on this segment please do let us know!

# **Florantino RZ F1** (72-163)



Fruit weight 8 - 10 g Shape Plum

Resistance HR ToMV:0-2/Fol:0-2/Va:0/Vd:0

IR Sbl/Ma/Mi/Mj

Features Great taste. Will produce double trusses in

good conditions.

# Maggino RZ F1 (72-195)

(10)

Fruit weight 10 g average Shape Plum

Resistance HR ToMV:0-2/Fol:0/For

Features Yellow fruit with good taste. Strong shelf life and does not split easily. Perfect

for medley products.

# **Solarino RZ F1** (72-150)



Fruit weight 10 g average Shape Plum

Resistance ToMV:0-2/Fol:0,1 R Sbl/Ma/Mi/Mj

Features High brix and great taste. Shiny, deep red

fruits that do not split easily.

#### **Ternetto RZ F1** (72-190)

Fruit weight 10 g average Shape Blocky

Resistance IR ToMV:0-2/Fol:0,1 IR Ma/Mi/Mj
Features Good production levels of blocky fruits with

a dimple. Produces split trusses in good conditions. Good balance of production

and taste.

# **Confetto RZ F1** (72-151)



Fruit weight 14 - 16 g Shape Blocky

Resistance HR ToMV:0-2/Fol:0,1 R Sbl Features Good taste and production balance.

Resistant against fruit drop.



# Mini (<30g), loose

# **Operino RZ F1** (72-187)



Pear Shape

HR ToMV:0-2/Fol:0/Va:0/Vd:0 Resistance Unique fruit shape and taste. Interesting Features

two tone fruit colour.



Fruit weight 14 - 16 g Round Shape

Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

■ Ma/Mi/Mj

Good taste and production balance. Will Features

produce split trusses in good conditions.

# **Daltary RZ F1** (72-142)

Fruit weight 16 g average

Round Shape

Features

HR ToMV:0-2/Ff:A-E/Fol:0,1/Va:0/Vd:0/Si Resistance Good taste and production balance.

Potential to reduce harvest costs due to

larger fruit size.

#### Farbini RZ F1 (72-188)

Fruit weight 15 - 20 g

San Marzano Shape

HR ToMV:0-2/Fol:0/For R Ma/Mi/Mj Resistance Orange-Yellow Mini San Marzano type. Features

Produces long clusters of uniform fruit.

# **Idolini RZ F1** (72-154)

Fruit weight 16 - 18 g San Marzano Shape

Resistance HR ToMV:0-2/Fol:0 R Ma/Mi/Mi Red Mini San Marzano type with a good Features

taste for the segment.





# Mini (<30g), truss

Truss tomatoes are associated with a more exclusive standard of quality, a more intense flavour and a stronger aroma. Among other things, Rijk Zwaan selects the varieties based on flavourful fruits,

#### 72-008 RZ F1 (t)

Fruit weight 12 - 15 g Shape Round

HR ToMV:0-2/Ff:A-E/Fol:0,1/Si Resistance

Ma/Mi/Mi Features

Very good taste and production. Bright red fruit on an attractive truss. Can also be harvested as loose fruit. Firm and

0

crunchy with good shelf life.



Fruit weight 13 - 16 g Shape Plum

HR ToMV:0-2/Ff:A-E/Fol:0,1/Si Resistance

Ma/Mi/Mi

Very attractive truss formation with **Features** tasty, plum shaped fruits. Good ripening

uniformity down the truss.

# **72-006 RZ F1** (t)

Fruit weight 13 -16 g Round Shape

HR ToMV:0-2/Ff:A-E/Fol:0,1/Va:0/Vd:0 Resistance

Ma/Mi/Mi

Good taste and production, Medium size **Features** 

> cherry fruit on a nice truss. Fruits do not split easily. Firm and crunchy with good

shelf life.

# **Tiarino RZ F1** (72-167)

15 - 20 g Fruit weight Plum Shape

HR ToMV:0-2/Ff:A-E/Fol:0,1/Va:0/Vd:0 Resistance

Ma/Mi/Mi

Attractive truss formation with plum Features

shaped fruits. Fruits do not split easily.

#### **Tomary RZ F1** (72-191)

Fruit weight 18 g average Shape Round

HR ToMV:0-2/Ff:A-E/Fol:0,1/Va:0/Vd:0 Resistance

■ Ma/Mi/Mi

Very good sweet flavour with a crunchy **Features** 

texture. Unique orange-red fruits. Good truss formation.

uniform truss and productive crops.





# Mini (<30g), truss

#### **Genery RZ F1** (72-192)

Fruit weight 18 - 20 g Shape Round

Resistance ToMV:0-2/Fol:0.1/Va:0/Vd:0/S

TYLCV/Ma/Mi/Mi

Features Deep red fruits with a good taste.

Intermediate resistance to TYLC.

#### **Tastery RZ F1** (72-136)

Fruit weight 18 - 20 g Shape Round

Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/Va:0/Vd:0/Si

IR TSWV/TYLCV/Ma/Mi/Mi

Features Good early production. Fruits do not

split easily. Lasting truss quality.

#### **Vacetto RZ F1** (72-164)

Fruit weight 20 g average

Shape Blocky
Resistance IR ToMV:0

HR ToMV:0-2/Fol:0

Features Small blocky plum tomato perfect for

harvesting on the vine.

#### **Redetto RZ F1** (72-174)

Fruit weight 25 g

Shape Blocky

Resistance HR ToMV:0-2/Fol:0
IR Ma/Mi/Mj

Features Dark red fruit with distinctive shape.

High production.













# Cocktail (30-60g), truss

Brioso RZ has been a reference point for many years. It is embraced by growers and retailers alike thanks to its unique combination of ease of growing, productivity and flavour. Despite Brioso's success, we are continuously looking for ways to improve and diversify. Good examples of our breeding efforts include tasty and unusually shaped varieties such as Imperoso, Tatami and Papeletto.



#### **Imperoso RZ F1** (72-146)

Fruit weight 25 - 30 g Shape Round

Resistance ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0

IR On (ex Ol)/Ma/Mi/Mj

Features Small fruit on a nice, uniform truss.

Sweet taste and produces many trusses.

#### **Wasino RZ F1** (72-155)

Fruit weight 35 - 40 g

Shape Plum
Resistance IR ToMV:0-2/Ff:A-E/Fol:0.1/For/Va:0/Vd:0/Si

On (ex Ol)/Ma/Mi/Mi

Features Split resistant plum shaped fruits. Good shelf life and fruit stays attached to the

truss.

# **Brioso RZ F1** (72-130)

Fruit weight 35 - 45 g Shape Round

Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

R On (ex Ol)

Features Really good production and taste. Deep red fruits on a perfect truss. Does not

split easily.

# Vimoso RZ F1 (72-169)

Fruit weight 35 - 45 g Shape Round

Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex Ol)

Features High production cocktail variety with long lasting truss quality.

NCT

# Cocktail (30-60g), truss

Si

#### **Saluoso RZ F1** (72-199)

Fruit weight 35 - 45 g Shape Round

Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex Ol)/Ma/Mi/Mj

Features Larger fruit on long, flat trusses. High

production and good fruit colour.

#### **Primioso RZ F1** (72-003)

Fruit weight 40 - 45 g Shape Round

Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/ Vd:0/

IR On (ex Ol)

Features Large fruit with nice red colour and good firmness. High production.

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**Tatami RZ F1** (72-175)

Fruit weight 40 - 45 g Shape Round

Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex Ol)/Ma/Mi/Mj

Features Deep pink fruit with a unique flavour.

Good truss formation and shelf life.

#### **Leamioso RZ F1** (72-002)

Fruit weight 45 - 50 g Shape Round

Resistance ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex Ol)/Ma/Mi/Mi

Features Very nice truss formation and fruit

resistant to splitting.

#### **Papeletto RZ F1** (72-165)

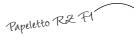
Fruit weight 45 - 50 g Shape Blocky

Resistance IR ToMV:0-2/Fol:0/For/Va:0/Vd:0/Si Features Unique shape with a good, fresh taste.

Ideal for cooking as it maintains structure well. Can be harvested both

loose and on the vine.







# Large (60 - 160 g), loose

In this classic segment our breeders are continually working to find ways to improve efficiency and productivity whilst maintaining the quality that is expected in our varieties. The newest addition to our selection, Livento, is a great example of the success we are having in this category.

#### **Dometica RZ F1** (72-225)

Fruit weight Shape 80 g average Round

Resistance

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

R TSWV/On (ex Ol)

Features

Deep red fruit with exceptional taste and good shelf life. Consistent fruit size

along the truss.

#### **Saranto RZ F1** (72-247)

Fruit weight

80 - 90 g Round

Shape Resistance

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR TSWV/On (ex Ol)

**Features** 

Firm fruit and high brix with a good production. Very impressive shelf life.

#### **Livento RZ F1** (72-397)

Fruit weight Shape Resistance 95 - 105 g Round

HR To

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/ Vd:0/Si

On (ex Ol)



Features

Impressive flavour profile and production combination. Very uniform fruit shape and size throughout the season.

# **Balancan RZ F1** (72-533)

Fruit weight Shape Resistance 140 - 160 g Slightly flat

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex Ol)/Sbl

Features

A small beef variety that can be used as a large loose tomato. Uniform fruit size and an attractive shape.

Livento R& F1

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# Large (60-160g), truss

Although there has been huge growth in snack sized tomatoes there is still strong demand for a more traditional size of tomato. Our selection covers the diversity within the segment which ranges from great tasting to highly productive whilst also covering different fruit shapes and sizes.

# **Roterno RZ F1** (72-230)



Fruit weight Shape

90 - 100 g Round

Resistance

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si TSWV/On (ex Ol)/Ma/Mi/Mj

**Features** The benchmark for high taste truss

tomatoes.



#### **Plumola RZ F1** (72-001) 90 - 100 g Plum

Fruit weight Shape Resistance

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex OI)

Features Attractive deep red and uniform fruit

with consistent ripening speed. Good production and excellent flavour. Does

not get blossom end rot easily.



#### **Senserno RZ F1** (72-245) 100 g



Fruit weight Shape Resistance

Round

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex Ol)

**Features** 

Excellent taste and deep red internal colour. Responds well to a fast growing

climate.



# **Lyterno RZ F1** (72-471)



Fruit weight Segment

100 - 110 g Round

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

On (ex Ol)

Resistance **Features** 

Nice round fruit with good taste. Truss is attractive with lasting quality. Begins production early. Premium tomato in

German market.

#### Hibachi RZ F1 (72-241)





Fruit weight 100 g Shape Round

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0 Resistance

IR TSWV/On (ex OI)

Features Nice round pink fruits on an attractive

vine.

# Large (60-160g), truss

#### **Haiku RZ F1** (72-240)

Fruit weight

100 - 110 g Round

Shape

Resistance

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si IR TSWV/On (ex OI)

Features Pink fruit and perfect for harvesting on

the vine.

#### **Mecano RZ F1** (72-442)

Fruit weight

110 - 120 g Round

Shape Resistance

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Sbl/

Va:0/Vd:0/Si

IR TSWV **Features** 

Tried and tested variety in this segment. Good taste and fruit appearance.

#### **Cappricia RZ F1** (72-466)

Fruit weight

110 - 120 g Round

Shape Resistance

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Sbl/

Va:0/Vd:0/Si IR TSWV



**Features** 

High production of good quality fruits. Nice truss formation and does not split

easily.

#### **Forticia RZ F1** (72-719)

Fruit weight Shape

110 - 125 g Round

Resistentance

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Sbl/Si

IR On (ex Ol)

Very high production in this segment.

Features

Harvest begins early.

# Large (60 - 160g), truss

#### **Multicia RZ F1** (72-726)

Fruit weight 115 - 125 g Shape Round

Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Sbl/

Va:0/Vd:0/Si

TSWV/On (ex Ol)

Feature Flat round fruits of uniform size down the truss. Very high production and long

lasting truss quality.

1



# 72-730 RZ F1

Fruit weight 115 - 125 g Shape Flat round

Resistance ToMV:0-2/Ff:A-E/Fol:0,1/For/Sbl/

Va:0/Vd:0/Si

TSWV/On (ex Ol)

Features Flavourful fruit on compact and flat trusses. Fruit does not split easily.

# **Beltoma RZ F1** (72-728)

Fruit weight 125 - 140 g Shape Flat round

Resistance ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0

IR On (ex Ol)

Features Good taste, nice red fruits, beautifull trusses, early in production, suitable for Belgium segment Elite.

# **Tomicia RZ F1** (72-724)

Fruit weight 125 -140 g

Shape Round

Resistance IIB ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

Features Flat round fruit presented on a nice

truss. Excellent shelf life.

#### **Callanzo RZ F1** (72-752)

Fruit weight 130 - 150 g Shape Flat round

Resistance III ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex Ol)

Features Good production with medium-large fruit. Good fruit colour and truss

formation.





# Large (60 - 160g), truss

#### **Endeavour RZ F1** (72-487)





Fruit weight 140 - 160 g Shape High round

Resistance III ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0
Features Perfect balance of production and taste.

Good shelf life and also suitable for slicing.

#### **Siranzo RZ F1** (72-754)

Fruit weight 140 - 150 g Shape flat round

Resistance

Resistance

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0

I On (ex Ol)

Features Very nice deep red fruits on a truss with

long lasting quality.

#### **Trovanzo RZ F1** (72-762)

Fruit weight 140 - 170 g Shape round

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0

IR On (ex Ol)

Features Large and shiny fruit and high production with mildew resistance.

#### **Prodezo RZ F1** (72-760)

Fruit weight 160 - 180 g Shape round

Resistance HR ToMV:0-2/Ff:A-E/For/Va:0/Vd:0

IR On (ex Ol)

Features A high production truss tomato with

large fruit. Good truss formation.





# XL (>160g), loose

Beef tomatoes often have to fit with strong local preferences; they must be ribbed, round or pointed, red, green or pink, or sometimes even have to ripen from the inside out. Although Rijk Zwaan's beef tomato breeding programme is still relatively young, we continue to achieve encouraging results year after year.

# **Managua RZ F1** (72-528)

Fruit weight Shape 150 - 180 g Flat round

Resistance

HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0/Si

IR On (ex Ol)

Features Firm, flat ro

Firm, flat round fruit with a nice colour. Small beef tomato with high production.

# **Montenegro RZ F1** (74-669) Fruit weight 160 g average

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Fruit weight Shape Resistance

Flat round

TOMV:0-2/Ff:A-E/Fol:0,1/Sbl/Va:0/Vd:0

TYLCV/Ma/Mi/Mi

TYLCV/Ma/Mi/Mi

Features Nice tasting gree

Nice tasting greenback tomato that ripens internally first.

Consistent fruit size throughout the

#### **Paulanca RZ F1** (72-534) Fruit weight 165 - 175 g

Fruit weight Shape

Shape Slightly flat
Resistance TOMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0

® On (ex Ol)/Sbl

Features High production with a good taste.

season.

# **Rugantino RZ F1** (73-190)





ToMV:0-2/Ff:A-E/Fol:0/For/Sbl/Va:0/Vd:0
A Coeur de Boeuf type with reliable setting to be harvested when the fruit is

just breaking from green.





# XL (>160g), loose

# **Rugisso RZ F1** (73-193)



Fruit weight
Shape
Resistance

200 - 240 g flat round, ribbed

ID TOMV:0-2/Ff:A-E/For/Va:0/Vd:0 A Coeur de Boeuf with a light green shoulder. Good setting and low risk of

yellow shoulders.

# **Securitas RZ F1** (72-625)



Fruit weight Shape Resistance 260 - 270 g flat round

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0

IR On (ex Ol)/Sbl

Large fruit with good internal structure.

#### **Kivu RZ F1** (72-629)

Fruit weight Shape

Features

260 - 280 g flat round

Resistance HR

ToMV:0-2/Ff:A-E/Fol:0,1/For/Va:0/Vd:0

IR On (ex Ol)



Features

A very consistent beef tomato with good production. Good setting ability so pruning is essential. High round fruit

that is good for slicing.

# **Taymyr RZ F1** (72-617)

Fruit weight Shape

260 - 300 g flat round

Shape flat round
Resistance HR ToMV:0-2/Ff:A-E/Fol:0,1/For/Si

On (ex Ol)

Features

Large fruit with a round shape.





#### Rootstock

A good combination of rootstock and cultural variety offers key advantages. With Suzuka RZ, we add to our assortment a new high vigour rootstock to compensate for the more generative circumstances and scions.

#### **Bruce RZ F1** (61-068)

Resistance ToMV:0-2/Ff:B,D/Fol:0,1/For/Pl/Va:0/Vd:0

Features Vigorous rootstock that provides balanced

strength.

#### **Emperador RZ F1** (61-065)

Resistance ToMV:0-2/Fol:0,1/For/Pl/Va:0/Vd:0

■ Ma/Mi/Mj

Features A well balanced rootstock offering strength and

control.

#### Kaiser RZ F1 (61-077)

Resistance ToMV:0-2/Fol:0,1/For/Pl/Va:0/Vd:0

Features A strong but generative rootstock. Aids early

production.

#### **Stallone RZ F1** (61-067)

Resistance ToMV:0-2/Ff:B,D/Fol:0,1/For/Pl/Va:0/Vd:0

Features High vigour and generative nature.

#### **Suzuka RZ F1** (61-081)

Resistance ToMV:0-2/Fol:0,1/For/Pl/Va:0/Vd:0

■ Ma/Mi/Mj

Features Very strong and easy to manage rootstock which

performs throughout the season.



#### **Abbreviations and resistance statement**

TSWV: Tomato spotted wilt ToMV: Tomato mosaic

TYLCV: Tomato yellow leaf curl

Ff (ex Cf): Leaf mold Fol: Fusarium wilt

For: Fusarium crown and root rot

On (ex Ol): Powdery mildew Powdery mildew It: PI: Corky root rot Vd: Verticillium wilt Sbl: Gray leaf spot Verticillium wilt Va: Ма: Root-knot Mi: Root-knot Mi: Root knot Si: Silvering

#### 1. Introduction

The relationship between a plant and a pest is very complex. The terms that describe the reaction of a plant variety to a pest are determined by tests under controlled environmental conditions with known and characterized biotypes, pathotypes, races or strains of the pest in question.

In practice however, the ability of a pest to cause disease in a plant depends on environmental conditions, the properties of the organism itself and the capacity of the plant to defend itself. Varieties within a plant species can differ in their ability to defend themselves. Under different conditions, such as age of the plant, pest pressure and virulence or adverse environmental conditions, the interaction between the same plant and pest may have different outcomes. Pests are known to develop and form new biotypes, pathotypes, races or strains that can cause damage to plants that remain unaffected by the original form of the pest. To promote consistency in the terms used to describe the reaction of a plant to a pest, ISF Vegetable and Ornamental Crops Section has defined the following terms.

#### 2. Definitions

Susceptibility is the inability of a plant variety to restrict the growth and development of a specified pest.

Resistance is the ability of a plant variety to restrict the growth and development of a specified pest and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest pressure. Two levels of resistance are defined.

High resistance (HR\*): plant varieties that highly restrict the growth and development of the specified pest under normal pest pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest pressure.strains that may emerge are not covered by the original resistance claim.

# Disclaimer and legend icons

Intermediate resistance (IR\*): plant varieties that restrict the growth and development of the specified pest but may exhibit a greater range of symptoms or damage compared to high resistant varieties. Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest pressure.

It is to be noted that if a resistance is claimed in a plant variety it is limited to the specified biotypes, pathotypes, races or strains of the pest.

If no biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists. New biotypes, pathotypes, races or Immunity is when a plant is not subject to attack or infection by a specified pest.

#### Disclaimer

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