



Service-Information



BMW Motorrad GmbH
Service kl/mk/fm

R25/3 - R90 S Motorcycles
Technical
Group 36

Munich, Dec '75
1/75 (198 M) e

Subject: Rims and Tires

Enclosed please find a list showing all rims and tire sizes so far approved for series use as well as the tire makes recommended by the factory for our motorcycle models R25/3 - R90 S.

When mounting a new tire, a new tube should be used as well. It is recommended to use only tires and tubes of the same make.

Important: In case Butyl tubes are used, a rim tape should be attached in addition to the adhesive tape.

Due to smaller diffusion losses, the air pressure is more constant over a longer period in synthetic tubes than in natural rubber tubes, but they are more exposed to wear.

If rims are centered or loose spokes tightened the tire must be removed in any case. Adhesive tape and, if applicable, rim tape should be removed thus making it possible to grind down protruding spoke ends.

Admissible run-out

Rim:	Maximum lateral run-out	.2 mm/.0076 in	
	Maximum radial run-out	.5 mm/.02 in.	
Fitted tire:	Maximum lateral run-out	1.7 mm/.066 in.)measured
	Maximum radial run-out	1.5 mm/.059 in.)at the tread center groove

Note: When fitting a new front tire it is therefore absolutely necessary to keep the minimum distance of 1.5 mm/.059 in between the tire and telescopic fork bracket.

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The following applies to /6 models only

At present these motorcycles have only METZELER and CONTINENTAL rims and tires as standard equipment.

Repeated inquiries cause us to inform you that up to now no other tire makes meet the requirements with respect to driving safety and load. However, our Development Department in close cooperation with the remaining (foreign) tire manufacturers endeavour to release further makes.

We will inform you as soon as positive results are on hand.

Sincerely yours,
BMW MOTORRAD GMBH
München
i.V. i.A.


Ettllich Höhnke

2 Encls

Standard and recommended tires for BMW motorcycles

Model (1)	Front tires			Rear tires		
	Size	Make (3)	Rim	Size	Make (3)	Rim
R 25/3	3.25 - 18	Metzeler	3 x 18	3.25 - 18	Metzeler	3 x 18
R 26	3.25 - 18	Conti	2.15B x 18	3.25 - 18	Conti	2.15B x 18
R 27	3.25 - 18		2.15B x 18	3.25 - 18		2.15B x 18
R 50 Solo	3.50 - 18	Metzeler	2.15B x 18	3.50 - 18	Metzeler	2.15 x 18
R 60 Solo	3.50 - 18	Conti	2.15B x 18	3.50 - 18	Conti	2.15 x 18
R 69 Solo	3.50 - 18		2.15B x 18	3.50 - 18		2.15 x 18
R 50 w.S.	3.50 - 18		2.15B x 18	4.00 - 18		2.75C x 18
R 60 w.S.	3.50 - 18		2.15B x 18	4.00 - 18		2.75C x 18
R 69 w.S.	3.50 - 18		2.15B x 18	4.00 - 18		2.75C x 18
R 50/2	3.50 - 18		2.15B x 18	3.50 - 18		2.15B x 18
R 50 S	3.50 - 18		2.15B x 18	3.50 - 18		2.15B x 18
R 60/2	3.50 - 18		2.15B x 18	3.50 - 18		2.15B x 18
R 69 S	3.50 S 18		2.15B x 18	3.50 S 18		2.15B x 18
R 50/2 w.S.	3.50 - 18	Metzeler Groove)	2.15B x 18	4.00 - 18	Metzeler Block C5	2.75C x 18
R 50 S	3.50 - 18	Conti RB Tread	2.15B x 18	4.00 - 18	Conti Profil K65	2.75C x 18
R 60/2	3.50 - 18		2.15B x 18	4.00 - 18		2.75C x 18
R 69 S	3.50 - 18		2.15B x 18	4.00 - 18		2.75C x 18
R 26	Sidecar rim	3.00 x 18	with	3.25 - 18 tires		
R 27	Sidecar rim	3.00 x 18	with	3.25 - 18 tires		
R 50 - R 69 S	Sidecar rim	2.15Bx 18	with	3.50 - 18 tires		

(1) for R 69 S in solo riding use as S tires

Standard and recommended tires for BMW motorcycles

Model	Front tires			Rear tires		
	Size	Make (3)	Rim	Size	Make (3)	Rim
R 50/5	3.25 S 19	Metzeler Groove 12 Conti R B	1.85B x 19	4.00 S 18	Metzeler Block C 6 Metzeler Y148 Bl.C 6	1.85B x 18
R 60/5		Conti R B 2			Metzeler C 66 Conti K 111 KS	2.15B x 18
R 75/5		Metzeler cross - country B			Conti K 112 Metzeler Trial	Tighten spokes so that the rim runs 1.5 mm/.059 o of center to the l
R 60/6	3.25 S 19	Metzeler Groove 12 Conti R B	1.85B x 19	4.00 S 18	Metzeler C 6/C66 Conti K 111 KS	2.15B x 18
R 75/6		Conti R B 2 Metzeler cross -country B			Conti K 112 Metzeler Trial	tighten spokes so that the rim runs 1.5 mm/.059 out of center to the left
R 90/6	3.25 H 19	Metzeler Groove 12 Conti R B		4.00 H 18	Metzeler C 6/C66 Conti K 111 KS	2.15 x 18
R 90 S		Conti R B 2 Metzeler cross -country B			Conti K 112 Metzeler Trial	tighten spokes so that the rim runs 1.5 mm/.059 out of center to the left

(2)

From Chassis No. 2 903 756 - R 50/5
 2 939 207 - R 60/5
 2 983 280 - R 75/5

our /5 models are equipped with the wider rear rim 2.15B x 18

Up to the above chassis numbers the use of 2.15B x 18 rims is recommended as this improves driving stability.

(3)

Cross-country tires - Metzeler cross-country B, Metzeler Trial - for special purpose up to 120 kph /75 mph (not available as "S" or "H" tires).

CORRELATION BETWEEN TIRES AND STANDARD RIMS

Dimension	Rim Size:	<u>/5 /6 /7</u>	<u>/5 /6 /7</u>	R100RS Cast			Rolling Dia.	
		Front	Rear	Wheel, Rear			On Correct Rim	Ø
		WM2 1.85 B	WM3 2.15 B	WM4 2.50 B	WM4½ 2.75 D	WM5 3.00 D	WM6 3.50 D	
		<u>Installed Width:</u>						
4.00 H 18	mm	144	117*	120	122	-	-	672
	in	4.49	4.61	4.72	4.80			26.45
4.25/85 H 18	mm	-	114*	118	121	123	-	660
	in		4.49	4.64	4.76	4.84		25.98
130/80 H 18	mm	-	-	134	137	139*	145	669
	in			5.27	5.39	5.47	5.70	26.34
3.25 H 19	mm	99*	102	-	-	-	-	666
	in	3.89	4.01					26.22

* Optimum Size