

24/30 BRAKE BOOSTER

RD-B0001 - TEST REPORT & PRODUCT INFORMATION



MADE FOR AFRICAN
ROADS AND BUDGETS



RELIABLE QUALITY
YOU CAN TRUST



COMPARED TO THE
HIGHEST STANDARDS



ROAD DIAMOND™

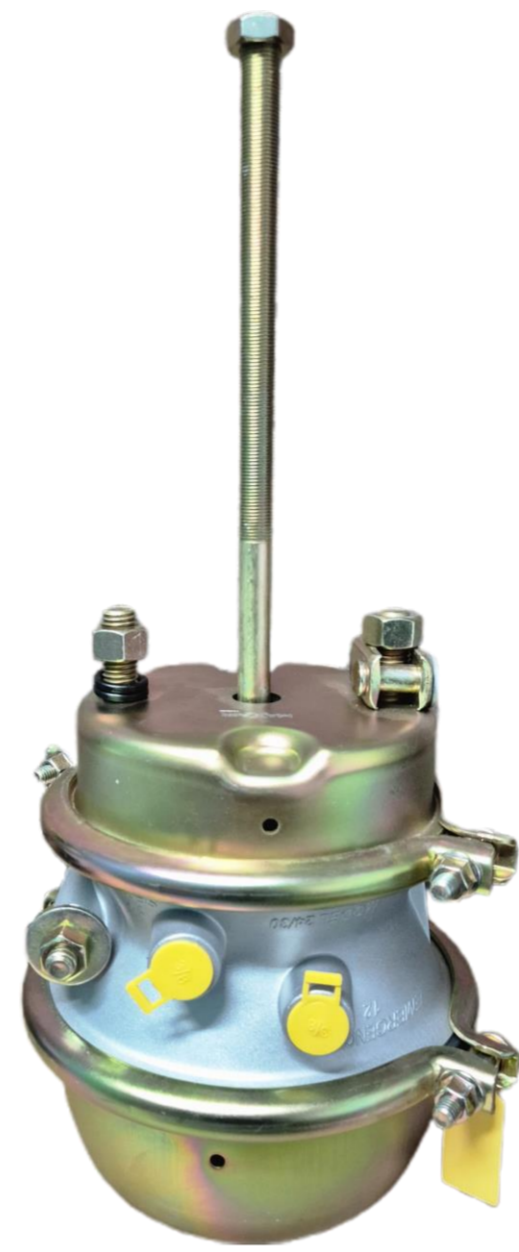
QUALITY PRICED RIGHT

24/30 Brake Booster

TEST REPORT AND PRODUCT INFORMATION



Road Diamond



Alternative 1



Alternative 2

DESCRIPTION	ROAD DIAMOND	ALTERNATIVE 1	ALTERNATIVE 2
Total Weight	8,2 kg	7,8 kg	7,2 kg
Colour	Black / Aluminium	Gold / Aluminium	Black / Aluminium
Size of Diaphragm	24/30	24/30	24/30
Cafing Bolt	Yes	Yes	Yes
Warning Label on Rear Clamp	Yes	Yes	Yes
Bolting Orientation	Horizontal & Vertical	Horizontal	Vertical
Port Size	M16 BSP	3/8" NPT	3/8" NPT
Clevis	Long	Short	Short
Pressure When Spring Brake is Released	2,5 Bar	2,2 Bar	2,0 Bar
Fully Retracted	5,5 Bar	5,6 Bar	5,2 Bar
Stroke Length	65 mm	65 mm	65 mm
Front Cover Stud Hardness	10,9	8,8	8,8
Front Cover Stud Support	Full Section Support	½ Support at Stud Only	½ Support at Stud Only
Front Cover Stud Support Thickness	3 mm	3 mm	3 mm
Front Cover Thickness	3,2 mm	3,2 mm	3,2 mm
Emergency Return Spring Length	210 mm	210 mm	180 mm
Emergency Return Spring Thickness	13 mm	13 mm	13 mm

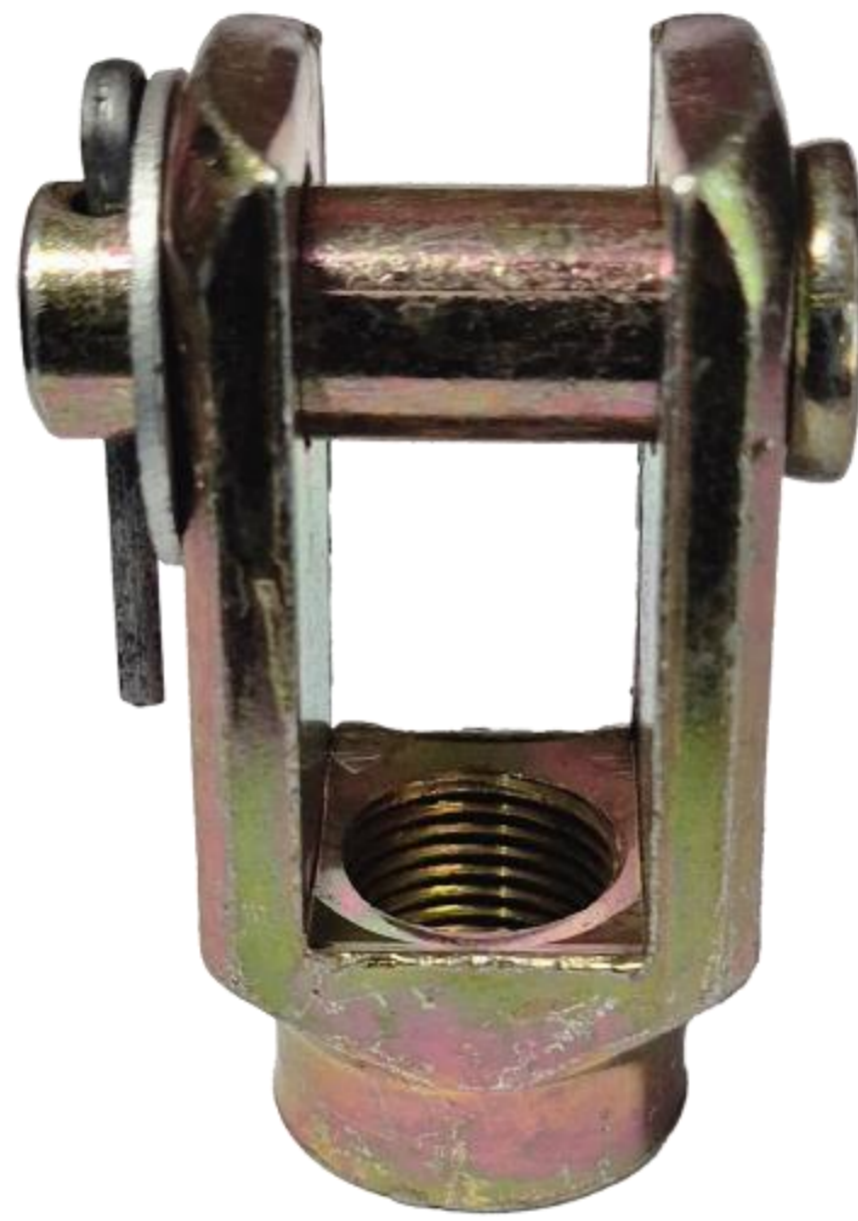
24/30 Brake Booster

TEST REPORT AND PRODUCT INFORMATION

CLEVIS



Road Diamond



Alternative 1



Alternative 2

DESCRIPTION	ROAD DIAMOND	ALTERNATIVE 1	ALTERNATIVE 2
Type	Long	Short	Short
Length	82 mm	60 mm	60 mm
Colour	Silver	Gold	Silver



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PASSION**
Built for Africa.

24/30 Brake Booster

TEST REPORT AND PRODUCT INFORMATION

RETURN SPRING



Road Diamond



Alternative 1



Alternative 2

DESCRIPTION	ROAD DIAMOND	ALTERNATIVE 1	ALTERNATIVE 2
Return Spring Length	210 mm	210 mm	180 mm
Return Spring Thickness	13 mm	13 mm	13 mm



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TEST REPORT AND PRODUCT INFORMATION

FRONT COVER



Road Diamond



Alternative 1



Alternative 2

DESCRIPTION	ROAD DIAMOND	ALTERNATIVE 1	ALTERNATIVE 2
Front Cover Stud Hardness	10,9	8,8	8,8
Front Cover Stud Support	Full Section Support	½ Support at Stud Only	½ Support at Stud Only
Front Cover Stud Support Thickness	3 mm	3 mm	3 mm
Front Cover Thickness	3,2 mm	3,2 mm	3,2 mm
Colour	Black	Gold	Black



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You need to ensure that you are comparing apples with apples.

When buying a Road Diamond Booster, you are getting a 65mm stroke booster with the full section of the front cover Reinforced, unlike other alternatives in the market that are only partly reinforced. This extra reinforcement not only prevents the mounting bolts from pulling through the non-pressure housing but also assists in the alignment and support of the push rod.

The Road Diamond Booster is available on both vertical and horizontal mounts. Attempting to turn a horizontal fitment booster into a vertical fitment without the correct tools can result in serious injury or death. The Road Diamond Booster weights 8.2 kg, substantially more than the other alternative we tested. The reduced weight is usually due to less reinforcement or the main spring in the pressurized housing being made with a lighter/weaker material.

The Road Diamond Booster also has a long clevis. In cases where the stroke is not correct, a short clevis will place force on the push rod and no pressure on the housing. A short clevis can also cause incorrect braking when a worn or substandard-quality slack adjuster is used.

The Road Diamond Booster is truly Quality Priced Right.



Vertical Brake Booster



Horizontal Brake Booster



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