



BROWN & GAMMONS LTD

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BTA1226PT - MG MIDGET/SPRITE LIMITED SLIP DIFFENTIAL, PLATE TYPE TECHNICAL SHEET

Thank you for purchasing our plate type limited slip differential. Whatever your application your LSD will instantly impress. This sheet is to give you some technical information about your new LSD and how to get the best from it.

Recommended Oil Specifications

Fully synthetic 75W90GL-6 or 75W140 GL-6

Run in Period

When your new LSD has been fitted a run-in period should be undertaken to ensure that all parts have been completely bedded in. This should involve 30-50 miles of light use after which the oil should be changed. A correct running-in procedure will dramatically increase the life of your LSD, reducing internal stresses and increasing performance.

If your LSD is serviced and parts are replaced it is important that the running-in procedure is carried out again.

LSD Characteristics

This Limited Slip Differential is of a plate type design. A series of clutch plates, rather than gears or a viscous coupling, is used to provide the locking action. A common characteristic of any plate type LSD is a 'knocking' at slow speeds, especially when making tight turns or pulling away from a stop. This 'knocking' is not a fault with your LSD or drive train. At low speeds the plates do not provide any locking action and have a small amount of movement. As the car begins to move the plates begin to lock together, giving the 'knock' commonly experienced. This process causes no damage to your LSD or gearbox and is a normal feature of plate type LSD operation. Although our LSDs can easily be set up for fast road use they are primarily a race / rally product and this noise is simply part of their operation.

Differential noise can be reduced by switching to a lightweight plate setting, or super lightweight where available.



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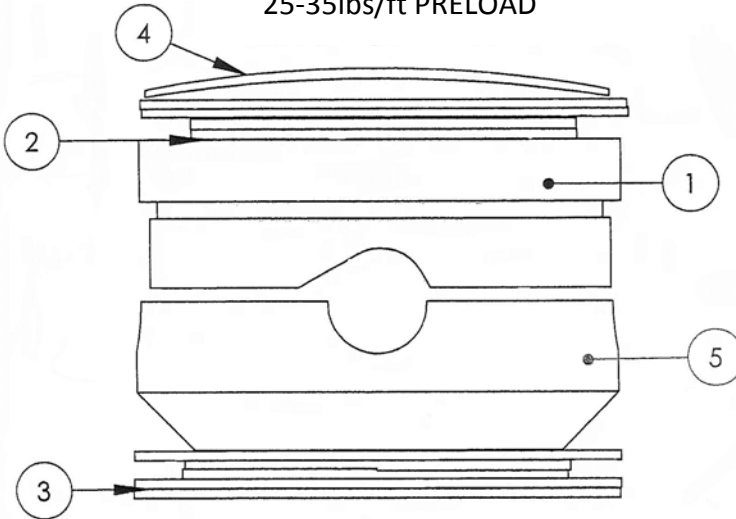
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LIGHT WEIGHT SETTING

25-35lbs/ft PRELOAD

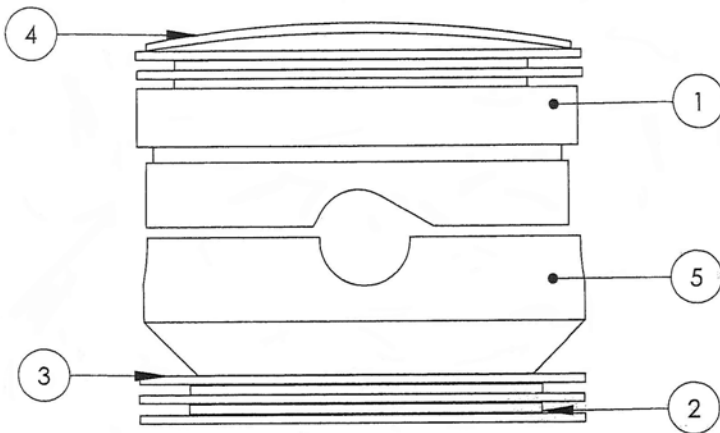


ITEM No	DESCRIPTION	QTY
2	Internal Plate	4
3	Lugged Fixed Plate	5
4	Bellville Spring	1
5	Plain Rec Ring	1

Each Ramp Block comes with two ramp angles giving you greater set up control

FULLY INTER LEVERED SETTING

65-75lbs/Ft PRELOAD



ITEM No	DESCRIPTION	QTY
1	Reaction Ring 35/90—45/45	1
1	Reaction Ring 45/90—55/90	1
1	Reaction Ring 25/70—30/60	1

The below ramp angles are available:

