

HERE'S HOW IT WORKS: I-SHIFT WITH CRAWLER GEARS

The new member of the I-Shift family – I-Shift with crawler ratios – makes it possible to move off from standstill while hauling 325 tonnes and to drive as slowly as 0.5 km/h. By adding two extra cogs to the gearbox, one on the input shaft and one on the idler shaft, the overall ratio is twice that of a conventional gearbox.



■ CRAWLER GEAR 1

When crawler gear 1 is selected, power is transmitted through the gearbox as follows. The gear ratio in the lowest gear is 32:1.



■ CRAWLER GEAR 2

When crawler gear 2 is selected, power is transmitted as follows. The gear ratio is 19:1 in a direct-drive gearbox (and 17:1 in a gearbox with overdrive, not pictured).



■ REVERSE GEAR

When the lowest reverse gear is selected, power is transmitted as follows. The gear ratio in the lowest reverse gear is 37:1.