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DOZERS:



Types of Dozers -

Crawler Dozers: are actually tracklaying machines. They have a continuous track of linked shoes that moves in the horizontal plane across fixed rollers.

Wheel Dozers: the advantage to wheel-type dozers as compared to crawler dozers is that wheel dozers can operate at higher speeds. However, they are limited by the wheel traction.

Dozer Comparisons

Wheel Dozer	Crawler Dozer
Good on firm soils and concrete and abrasive soils that have no sharp-edged pieces	Can work on a variety of soils; sharp-edged pieces not as destructive to dozer though fine sand will increase running gear wear
Best for level and downhill work	Can work over almost any terrain
Wet weather causing soft and slick surface conditions will slow or stop operation	Can work on soft ground and over mud-slick surfaces; will exert very low ground pressures with special low-ground-pressure undercarriage and track configuration
The concentrated wheel load will provide compaction and kneading action to ground surface	
Good for long distances	Good for short distances
Best in handling loose soils	Can handle tight soils
Fast return speeds, 8-26mph	Slow return speeds, 5-10mph
Can only handle moderate blade loads	Can push large blade loads