



JR Hodge & Co of Numurkah have been designing Grader Scrapers under the name of Hodgco for 25 years now, and in consultation with an experienced engineer have now produced the 2000 Series.

Our earlier designs produced by Alfarm and Horwood Bagshaw have been brilliantly successful, dominating the market.

The time has come to apply this know-how, along with 20 years of contracting experience to the needs of today and into the future.

Our objective was to build a machine that could

- *carry 50% more*
- *be no harder to pull*
- *be no heavier on the tractor*
- *rip without bending or breaking tines*
- *grade faster and more effectively*
- *be easier to operate*
- *record work performed*

These objectives have all been achieved in the brilliant new **Hodgco 2000 Series Grader Scraper**.

JR Hodge & Co.

HODGCO

NUMURKAH

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Other Products

- **HODGCO CUSHION HITCH**
New models to suit new tractors and all makes and models of tractor-drawn scrapers. Smooth out the bumps and shocks that destroy man and machine. Mandatory for 2000 Series Grader Scrapers on any tractor.
- **HODGCO DRAWBAR BALL CONNECTOR**
Heavy duty for reliability on the biggest tractors. Available with "slip-in" Clevis for common drawbar use.
- **HODGCO TRIPOD LASER STAND**
Simple and safe to use. Easy to tow. Adjustable height. Rock-solid stable.

SPECIFICATIONS

Hodgco 2000 Series Grader Scraper

Metric ■ (Imperial)

| | |
|-------------------------|---|
| Cutting width | 4.57m (15 feet) |
| Cutting Height Range | -0.13m to 0.49m (-5" to 19.5") |
| Cutting Edges | 3/1524mm x 280mm (5' x 11") |
| Overall Width | 4.89m (16 feet, 0.5 inches) |
| Overall Length | 9.51m (31 feet, 2.5 inches) |
| Overall Height | 2.12m (7 feet, 11.5 inches) to laser mount base plate |
| Ejector/Floor Range | 2.75m (108") ejector; 1.45m (57") moving floor |
| Machine Weight | 13.5 tonnes estimated |
| Machine Capacity | 18m ³ (23.5 cu yds) not struck; 20m ³ (27 cu yds) heaped estimated |
| Tyres | Bridgestone Bias Earthmover 11.00 x 20 - 16 ply cross rib |
| Axles | Twin Walking Beam each side - common independent pivot Self-cleaning tyres Inner Beam Wheelbase 1.4m (55.1") Outer Beam Wheelbase 2.85m (112.2") Hubs oil lubricated with metal face seals |
| Ripper | Rear mounted 13 tines x 0.35m pitch BIS 360 steel with shin guards |
| Ripper Point | Keech 8023 |
| Shear Bolt | M20 x 110 Gr 8.8 plus nyloc nut |
| Cross Leveller | 9mm x 30.5mm (3.5" x 12") ram with hydraulic lock valve |
| Cross Leveller Range | Range ±65mm (±25") on RHS |
| Control System | Microprocessor type system controls and monitors all functions Joystick operated Error code diagnostics Auto cross-leveller Cushion hitch controller Data recording |
| Hydraulic Control Valve | Gresen V20 6 Section |
| Hydraulic Cylinders | Construction Industry Standard Hallite top quality seals Oversize hardened pins and bushes Main Lift - 2 x Ø127 x 406 single action mode (Ø5 x 16") Apron - 2 x Ø114.3 x 711 (Ø4.5 x 28") Ejector - 2 x Ø114.3 x 947 stroke (Ø4.5 x 37.3") Ripper - 2 x Ø88.9 x 305 stroke & lock valve (Ø3.5 x 12") Cross Leveller - 1 x Ø88.9 x 305 stroke & lock valve (Ø3.5 x 12") |
| Hydraulic Pipes | Plated heavy wall tube with JIC flares |
| Hydraulic Hoses | Double wire braid with crimped ends |

Nothing beats performance

HODGCO

GRADER SCRAPER

2000 series



www.hodgco.com.au

HODGCO GRADER SCRAPER

2000
series

Designed for productivity and reliability that performs under the most adverse conditions

Compatible with the latest laser technology.

The fact is, HODGCO Grader Scrapers are built for demanding jobs like:

- High speed laser grading for irrigation.
- Clay spreading over non-wetting sands.
- Irrigation infrastructure, channels, drains and levee banks.
- Farm roads and water storage projects.
- Civil construction, road building and real estate development in rock free areas.
- Mining applications.
- Where vast amounts of earth need to be moved quickly.

The optional track system keeps you going even over the loosest and steepest areas carrying about double what others can manage!

Ideally suited to any popular 4wd tractor of 400 hp or greater.

The HODGCO Cushion Hitch and Drawbar Ball Connector will transform your tractor and Grader Scraper into a formidable earthmoving machine that features fully integrated hydraulic and electrical controls.

Available in wheeled or track versions to best suit your application.

Looking for performance?

**HODGCO
DELIVERS!**

- Higher productivity
- Easy to operate
- Efficient Ripper
- Huge capacity
- Smooth ride
- Built tough



■ **CROSS LEVELLER**
Ram with lock out valve for accurate and reliable control



■ **RIPPERS**
Rippers are rear mounted; tines are shear bolt protected to 8 tonnes break-out. Shin guards are standard.



■ **CONTROL SYSTEM**
connects to an external box by common 10 core cable, wired with military-style connectors for extremely reliable performance



■ **WALKING BEAM**
Dual walking beams for high speed grading (no duck walking) and smooth ride over rough ground



■ **GREASE points** readily accessible for easy maintenance

■ **WEIGHT DISTRIBUTION**
75% on scraper wheels
25% on drawbar

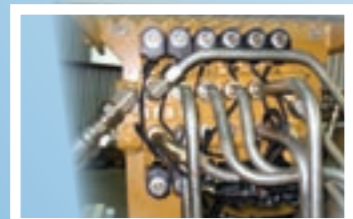
■ **CUTTING EDGE** options: plain cutting edge for grading; or step cutting edge for bulk earthmoving



■ **EJECTOR AND MOVING FLOOR**
Patented ejector travels a whole 2.75 metres; running on heavy duty rollers

■ **OCTAGON BEAM**
Massive bolted construction, suitable for tractors over 400hp

■ Fully integrated hydraulic controls, mostly piped for long life and reliability



■ **LASER STAND**
Easy and safe access to laser equipment

■ Replaceable mould board end protectors and side skirts



■ **RAMS**
Hydraulic cylinders are built to industrial standard with massive hardened pins and bushes for trouble-free long life



■ **WHEEL HUB**
Fully demountable axles with easy access to check oil levels; duo cone seals with Timken bearings.



Control System

Specially designed for the new 2000 Series Grader Scraper, this system offers the operator four different operating modes all using the simple joystick.

A display on the face of the control box normally displays time of day and current operating mode, but changes to other important information when things don't go according to plan!

All functions are self-monitored and error codes are displayed when necessary.

Recorded data includes machine hours, ripping hours and number of loads.

This data can be also applied to individual jobs and drivers. Total machine work is also recorded and cannot be altered or deleted.

Data is only recorded when tractor is moving and may be accessed at any time to assist in evaluating performance against quotes.

An advanced automatic cross leveller capable of maintaining any set angle for batter trimming or flat finish grading is also provided.

The ripper is also operated by switching the joystick to ripper control.



■ Self monitoring proximity switches monitor the movement of the ejector to keep operations in proper sequence