

EHD-E Series Rotaslasher

Specifications #E – 4/2020



General Note The EHD-E Series is basically an EHD variant with a generic slasher gearbox and clutch in place of the Howard EHD gearbox complete with its sintered bronze friction clutch.

Models EHD180ES2, EHD210ES2, EHD300ES2.

Design Code Complies with WorkCover Industry Standard Code for Slashers.

Tractor Power	EHD180ES2	EHD210ES2	EHD300ES2
	Minimum	52kW (70hp)	63kW (85hp)
Maximum	120kW (150hp)		120kW (160hp)

Recommended tractor engine power. (540rpm PTO.)

Mounting Clevis hitch. Category 2 three point linkage, central mounting only.

Drive Shaft (s) Series 108 (Cross 35 x 107mm) with tri-lobal sliding shaft sections.
EHD300ES2 Lateral shafts: Series 6 (Cross 30 x 92mm).

Clutch Four plate (fibre) friction clutch on spindle / cutter head gearbox input shaft.

Gearbox Generic rotary cutter / slasher gearbox with cast gear-case and alloy steel shafts supported on taper roller bearings throughout. Input shaft: 1.3/4 x 20 spline. Output shaft: Nominally 60mm. Output shaft seal protected by labyrinth. Output shaft with tapered spline adaptor modified to connect to existing Howard EHD Blade Beam. Note: The E Series gearbox, complete with mounting plate and blade beam adaptor are dimensionally the same as the standard Howard EHD gearbox.
Gearbox ratios: EHD180S2 & EHD300ES2 – 1:1.92 EHD210ES2 – 1:1.467
EHD300ES2 central splitter gearbox - 1 : 1

Blade Beam Three leaf, spring steel blade beam assembly.

Blade Fixings 3/4" UNF Countersunk nib head blade bolt retains blade even if bolt head is worn flush with beam. Blades pivot on a hardened steel bush to preserve fixing security as bush wears.

Blades EHD180ES2 & EHD210ES2: 355mm (14") long, 75 x 12mm stepped uplift blade. Part number: 78663.
EHD300ES2: 355mm (14") long, 75 x 12mm stepped flat blade. Part number: 74598A.

Body Smooth top design to limit grass residue, seeds & debris accumulation. Fabricated from 5mm plate, strongly reinforced, full-length gussets, chain backstays, hot dip galvanized.

Skids Adjustable (9.5cm adjustment range) / replaceable skids.
EHD180ES2: with an additional 60x10mm steel runner.

Debris Guarding Full chain curtain guards front & rear as specified in WorkCover Industry Standard Code for Slashers.

Height Control EHD180ES2: Skids. Optional single or twin laminated wheels – use / fit EHDWHEELS2.
EHD210ES2 & EHD300ES2: Twin rear laminated wheels.

Cutting Height EHD180ES2: 2.5 – 10cm on skids. EHD210ES2 & EHD300ES2: 2.5 - 25cm on wheels.

Dimensions	EHD180ES2	EHD210ES2	EHD300ES2
Cutting Width	183cm (72")	213cm (84")	297cm (117")
Width Overall	200cm	233cm	314cm
Length Overall (i)	200cm	302cm (ii)	285cm (ii)
Weight (Approx.)	675kg	920kg (ii)	1150kg (ii)
Cut Height Range	2.5 - 10cm on skids.	2.5 - 25cm on wheels.	2.5 - 25cm on wheels.
Blade Tip Speed @ 540rpm	99.3m/s (19,543 ft/min)	88.5m/s (17,424 ft/min)	82.7m/s (16,286 ft/min)

(i) Hitch pin to rear. (ii) Length and Weight includes wheels.

Options EHD180ES2: Single or twin wheels - use / fit EHDWHEELS2. (Wheel weight: 60kg each.)
All Models: Support / maintenance stands.