

KUBOTA WHEELED EXCAVATORS

KW095 / KW115



Engine power kW(hp):

KW095 : 55 (75)

KW115 : 80 (109)*

**Optional*

Operational Weight (kg):

KW095 : 9,900

KW115 : 12,800

Kubota wheeled excavators – Key features that drive performance

SPACIOUS COMFORT & INTELLIGENT CONTROL

- Spacious operator's cab with a wide door opening for easy entry and exit.
- Air-suspension comfort seat with a heated seat, and optional passive cooling and pneumatic lumbar support for all-day comfort in any weather.
- Ergonomic design with an integrated joystick console — the seat and control unit move together, complemented by tilt-adjustable armrests for relaxed, precise operation.
- Advanced INTUSI operating system featuring a dual-display layout:
- 10" main touchscreen with haptic feedback for clear, intuitive control of all machine functions.
- 3.5" secondary display for easy configuration of customised settings.
- Height-adjustable premium joysticks with adjustable hand rests for tailored comfort.
- Excellent all-round visibility with a large panoramic windscreen and integrated sunshade.
- Automatic climate control as standard, including a cooled bottle holder.
- Ample in-cab storage for tablets, documents, and personal items within easy reach.
- High-quality Bluetooth radio with hands-free capability.
- Powerful LED work lights for clear visibility in all conditions.
- Rear and side-view cameras displayed directly on the main screen.
- Optional joystick steering for enhanced control.*

READY FOR EVERY JOBSITE

- Heavy-duty hydraulic cylinders with piston rod protection on the dozer blade.
- Adjustable boom for maximum reach and flexibility.
- Safety valves on boom and arm cylinders for added protection.
- Overload warning system for safe, stable operation.
- Holding/safety valves for the bucket cylinder (single or double-sided).*
- Boom float function*.
- Factory-ready for tiltrotator installation*.
- High-performance hydraulic system with a medium-pressure circuit (60 l/min | 250 bar) and optional high-pressure circuit (130 l/min | 350 bar).

POWER AND EFFICIENCY COMBINED

- Kubota diesel engines available with 55 kW (DPF) or 80 kW (DPF + SCR catalytic converter)*, meeting EU Stage V and EPA Tier 4 Final emission standards.
- Load-sensing hydraulics automatically adjust output to demand, improving efficiency and reducing fuel consumption.
- Selectable operating modes: Sensitive, ECO, Power, and Power Plus.
- Auto idling system lowers engine speed when inactive to save fuel.
- Automatic engine shut-off after extended idling for even greater efficiency.

EASY MAINTENANCE, MAXIMUM UPTIME

- Fully automatic central lubrication system for the upper structure and attachments.
- Single central grease point for the undercarriage.
- Ground-level access to all key service points.
- Quick, easy cabin air filter replacement.
- High-quality, durable components for long service life.
- Optimised service intervals to minimise downtime and reduce operating costs.
- Large-capacity storage boxes on both sides of the machine.*
- Multiple lashing points for secure transport.

COMPACT ALL-ROUNDER FOR ANY SITE

- Short rear and front swing radii for confident operation in tight spaces.
- All-wheel steering*.
- Automatic work brake for added safety.
- Optional split blade or outriggers*.
- Choice of twin tyres (with or without spacer rings) or single tyres.
- Trailer hitch with electrical and hydraulic connections available.*



Specifications

Diesel engine

Power output according to ISO 9249	55 kW (75 hp) at 2,000 rpm –1 80 kW (109 hp) at 2,200 rpm –1 (optional)
Engine type	KUBOTA V3800
Design	4-cylinder in-line engine
Bore / stroke	100 / 120 mm
Displacement	3.8 l
Working method	4-stroke diesel Common rail injection system Direct injection Turbocharger with intercooling ¹ Emission-optimised
Air filter	Dry air filter with pre-separator, main and safety element
Automatic idle control	Sensor-controlled
Electrical system	
Operating voltage	24 V
Battery	2 x 95 Ah / 12 V
Stage V	
Exhaust gas purification	55 kW: EGR, DOC / FAP 80 kW: EGR, DOC / FAP + SCR
Fuel tank capacity	130 l
DEF tank capacity	20 l
Tier 4 Final	
Exhaust gas purification	SCR Technology ²

Cooling system

Diesel engine	Water-cooled Compact cooling system consisting of cooling unit for water, hydraulic oil and charge air with continuously variable, thermostatically controlled fan
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Control

Power distribution	Via control spool valve with integrated safety valves, simultaneous and independent actuation of chassis, boom and working equipment
Actuation	
Equipment and swivel mechanism	With electro-hydraulic pilot control and proportional cross-connect levers
Chassis	With electro-proportional foot pedal
Additional functions	Via switches or electro-proportional foot pedals cross-shaped control levers for hydraulic additional functions

Equipment

Design	High-strength steel plates in highly stressed areas for the toughest requirements. Elaborate and stable mounting of equipment and cylinders
Hydraulic cylinders	Cylinders with special sealing and guide systems and, depending on the cylinder type, with end position damping
Bearings	Sealed and low-maintenance

Hydraulic system

Hydraulic pump	
For equipment and chassis	Variable displacement pump
Max. delivery rate	194 l/min at 1,800 rpm ¹ (working) 237 l/min at 2,200 rpm – ¹ (driving))
Maximum operating pressure	350 bar
Pump regulation and control	Synchronous comfort system with electronic limit load control, pressure cutoff, demand flow control, swivel circuit priority and torque control
Hydraulic tank capacity	93 l
Hydraulic system capacity	max 105 litres
MODE selection	Adjustment of engine and hydraulic power via mode selection to suit the respective operating conditions e.g. for particularly economical and environmentally friendly operation or for max. digging performance and heavy-duty applications
S (Sensitive)	Mode for particularly sensitive work or lifting loads
E (Eco)	Mode for particularly economical and environmentally friendly operation
P (Power)	Mode for high performance with low fuel consumption
P+ (Power-Plus)	Mode for maximum performance and very heavy-duty applications, suitable for continuous operation
Speed and power adjustment	Variable adjustment of engine speed and hydraulic power via hand-throttle
Option	Tool Control: 20 fixed flow rates and pressures for optional attachments can be selected on the display
Additional function	Extended hydraulic circuit (preparation for tilt rotator) for special applications

Swivel mechanism

Drive	Axial piston motor with integrated brake valve and torque control
Slewing ring	Internally toothed, sealed Ball slewing ring
Upper carriage speed	0–10.0 min–1 continuously variable
Swing torque	28 kNm
Parking brake	Wet discs (negative effect)
Option	Manual positioning swivel brake Automatic positioning swivel brake

Entire machine

Lubrication	Central lubrication system for upper carriage and equipment, fully automatic
Access system	Safe and durable access system with non-slip treads; main components hot-dip galvanised
Noise emission	
ISO 6396	76 dB(A) = LpA (in driver's cab)
2000/14/CE	99 dB(A) = LWA (outside)

Cab

Cab	ROPS safety cab structure (rollover protection) with front windscreen that can be retracted individually or with lower section under roof, headlights integrated into roof, door with sliding window, large storage and stowage options, vibration-absorbing mounting, sound insulation, laminated safety glass (VSG), separate sun blinds for roof and windscreen
Standard comfort driver's seat	Air-suspended driver's seat with Three-dimensionally adjustable armrests, headrest, seatbelt, seat heating (1-level), manual weight adjustment and mechanical lumbar support
Premium Comfort driver's seat (optional)	In addition to Comfort driver's seat: lockable horizontal suspension, automatic weight adjustment, adjustable damper hardness, pneumatic lumbar support, passive seat climate control with activated carbon and seat heating (2 levels)
Consoles	Joysticks with control consoles and swing seat, folding left control console
Operation and display	Large high-resolution control unit, self-explanatory, with touchscreen colour display, video-compatible, versatile adjustment, control and monitoring options such as e.g. climate control, fuel consumption, machine and tool parameters
Air conditioning	Air conditioning, recirculation function, rapid defrosting and dehumidification at the touch of a button, ventilation flaps can be operated via menu; recirculation and fresh air filters are easy to change and accessible from the outside; heating/cooling unit designed for extreme outside temperatures
Vibration emission*	
Hand-arm vibrations	< 2,5 m/s²
Whole-body vibrations	< 0,5 m/s²
Measurement uncertainty	In accordance with EN 12096:1997



Perfect all-round visibility & clarity

The large glass surfaces and infinity windscreen ensure unrestricted all-round visibility. The standard rear and side view cameras provide an optimal view of the working area and ensure safety around the machine.

Undercarriage

Transmission	Two-speed powershift transmission and electrically operated crawler gear, Liebherr axial piston motor with double-acting brake valve
Tractive force	76 kN
Travel speed	0–4.0 km/h continuously variable (crawler gear off-road) 0–7.0 km/h continuously variable (off-road) 0–12.0 km/h continuously variable (crawler gear road) 0–20.0 km/h continuously variable (road) 0–max. 30.0 or 37.0 km/h Speeder (optional)
Driving	Automotive driving with accelerator pedal, speed control function: accelerator pedal position can be stored continuously, off-road and on-road
Axles	8-tonne drive axles, manually or automatically operated hydraulic locking of the pendulum steering axle
Option	All-wheel steering
Steering programmes	Front-wheel, rear-wheel and all-wheel steering, sideways movement in crab mode, turning on the spot
Service brake	Dual-circuit brake system with pressure accumulator; wet, low-play multi-disc brake
Automatic service brake	Automatic function when starting (accelerator pedal pressed) and when the machine is stationary (locking); the service brake is applied automatically – coupling with automatic pendulum axle locking possible
Parking brake	Wet discs (negative effect)
Support variants	Dozerblade Rear outriggers + front dozerblade Split rear support blade + front dozerblade

1) 55 kW version without intercooling, 80 kW version with intercooling
2) only for 80 kW variant
* For risk assessment in accordance with 2002/44/EC, see ISO/TR 25398:2006



All-wheel steering and crab steering

Comfortable and fast manoeuvring, even in confined spaces, with a turning radius of less than 4.0 m** for outstanding manoeuvrability.

Lifting capacity table KW095

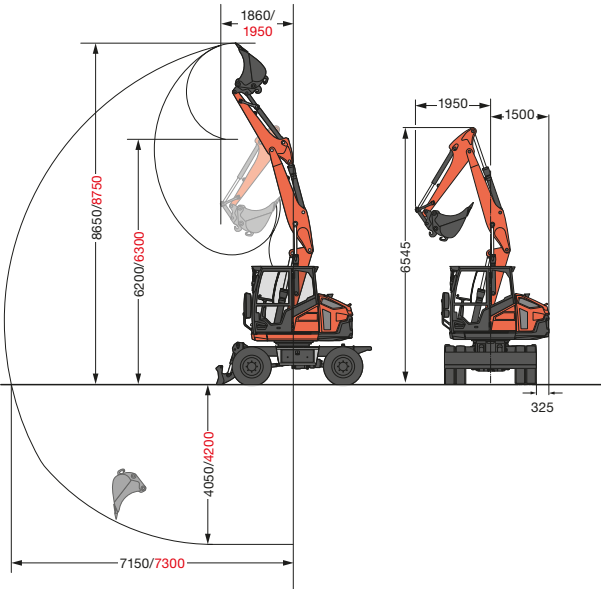
2-Piece boom 4400 mm, 1900 mm arm

m	Undercarriage supported		2.0m		3.0m		4.0m		5.0m		6.0m		 		m
	rear	front													
7.0	-	-			2.3*	2.3*							1.9*	1.9*	3.5
	Shield	-			2.3*	2.3*							1.9*	1.9*	
	Paws	-			2.3*	2.3*							1.9*	1.9*	
	Split Shield	-			2.3*	2.3*							1.9*	1.9*	
6.0	-	-			2.3*	2.5*	2.2*	2.2*					1.7*	1.7*	4.7
	Shield	-			2.3*	2.5*	2.2*	2.2*					1.7*	1.7*	
	Paws	-			2.3*	2.5*	2.2*	2.2*					1.7*	1.7*	
	Split Shield	-			2.3*	2.5*	2.2*	2.2*					1.7*	1.7*	
5.0	-	-			2.3*	2.5*	2.3	2.4*	1.6	2.1*			1.3	1.5*	5.5
	Shield	-			2.3*	2.5*	2.4*	2.4*	1.8	2.1*			1.5	1.5*	
	Paws	-			2.3*	2.5*	2.4*	2.4*	2.1*	2.1*			1.5*	1.5*	
	Split Shield	-			2.3*	2.5*	2.4*	2.4*	2.1*	2.1*			1.5*	1.5*	
4.0	-	-	2.4*	2.4*	2.7*	3.1*	2.3	2.7*	1.6	2.4	1.1	1.6*	1.1	1.5*	6.0
	Shield	-	2.4*	2.4*	2.7*	3.1*	2.5	2.7*	1.8	2.5*	1.3	1.6*	1.2	1.5*	
	Paws	-	2.4*	2.4*	2.7*	3.1*	2.7*	2.7*	2.2	2.5*	1.6*	1.6*	1.5*	1.5*	
	Split Shield	-	2.4*	2.4*	2.7*	3.1*	2.7*	2.7*	2.2	2.5*	1.6*	1.6*	1.5*	1.5*	
3.0	-	-	5.4*	5.4*	3.4	4.2*	2.3	3.1*	1.6	2.4	1.1	1.7	1.0	1.5*	6.3
	Shield	-	5.4*	5.4*	3.8	4.2*	2.5	3.1*	1.8	2.5*	1.3	2.2*	1.1	1.5*	
	Paws	-	5.4*	5.4*	4.1*	4.2*	3.0	3.1*	2.2	2.5*	1.6	2.2*	1.4	1.5*	
	Split Shield	-	5.4*	5.4*	4.1*	4.2*	3.0	3.1*	2.2	2.5*	1.6	2.2*	1.4	1.5*	
2.0	-	-	5.9*	5.9*	3.3	4.5*	2.2	3.2	1.5	2.4	1.1	1.7	0.9	1.5	6.5
	Shield	-	5.9*	5.9*	3.7	4.5*	2.5	3.3*	1.7	2.6*	1.2	2.1*	1.0	1.6*	
	Paws	-	5.9*	5.9*	4.4	4.5*	2.9	3.3*	2.1	2.6*	1.5	2.1*	1.3	1.6*	
	Split Shield	-	5.9*	5.9*	4.4	4.5*	3.0	3.3*	2.2	2.6*	1.6	2.1*	1.3	1.6*	
1.0	-	-	6.1	6.3*	3.3	4.6*	2.2	3.2	1.5	2.3	1.0	1.7	0.9	1.5	6.5
	Shield	-	6.3*	6.3*	3.7	4.6*	2.5	3.3*	1.7	2.6*	1.2	2.1*	1.0	1.7*	
	Paws	-	6.3*	6.3*	4.4	4.6*	2.9	3.3*	2.1	2.6*	1.5	2.1*	1.3	1.7*	
	Split Shield	-	6.3*	6.3*	4.4	4.6*	2.9	3.3*	2.1	2.6*	1.5	2.1*	1.3	1.7*	
0	-	-	6.2	6.9*	3.2	4.6*	2.1	3.2	1.4	2.3	1.0	1.7	0.9	1.5	6.3
	Shield	-	6.9*	6.9*	3.6	4.6*	2.3	3.3*	1.6	2.6*	1.2	2.0*	1.1	1.7*	
	Paws	-	6.9*	6.9*	4.4	4.6*	2.9	3.3*	2.0	2.6*	1.5	2.0*	1.4	1.7*	
	Split Shield	-	6.9*	6.9*	4.5	4.6*	3.0	3.3*	2.0	2.6*	1.5	2.0*	1.4	1.7*	
-1.0	-	-	5.9	7.3*	3.0	4.7*	2.0	3.2	1.3	2.2			1.0	1.5*	5.9
	Shield	-	7.1	7.3*	3.5	4.7*	2.2	3.4*	1.5	2.6*			1.1	1.5*	
	Paws	-	7.3*	7.3*	4.5	4.7*	2.8	3.4*	1.9	2.6*			1.5	1.5*	
	Split Shield	-	7.3*	7.3*	4.6	4.7*	2.9	3.4*	2.0	2.6*			1.5	1.5*	
-2.0	-	-	5.9	7.3*	2.9	4.6*	1.8	3.1	1.3	1.9*			1.2	1.3*	5.3
	Shield	-	7.0	7.3*	3.4	4.6*	2.1	3.1*	1.5	1.9*			1.3*	1.3*	
	Paws	-	7.3*	7.3*	4.4	4.6*	2.7	3.1*	1.9*	1.9*			1.3*	1.3*	
	Split Shield	-	7.3*	7.3*	4.4	4.6*	2.7	3.1*	1.9*	1.9*			1.3*	1.3*	
-3.0	-	-	5.6*	5.6*	2.9*	2.9*							2.0	2.1*	3.7
	Shield	-	5.6*	5.6*	3.3*	2.9*							2.1*	2.1*	
	Paws	-	5.6*	5.6*	3.3*	2.9*							2.1*	2.1*	
	Split Shield	-	5.6*	5.6*	3.3*	2.9*							2.1*	2.1*	

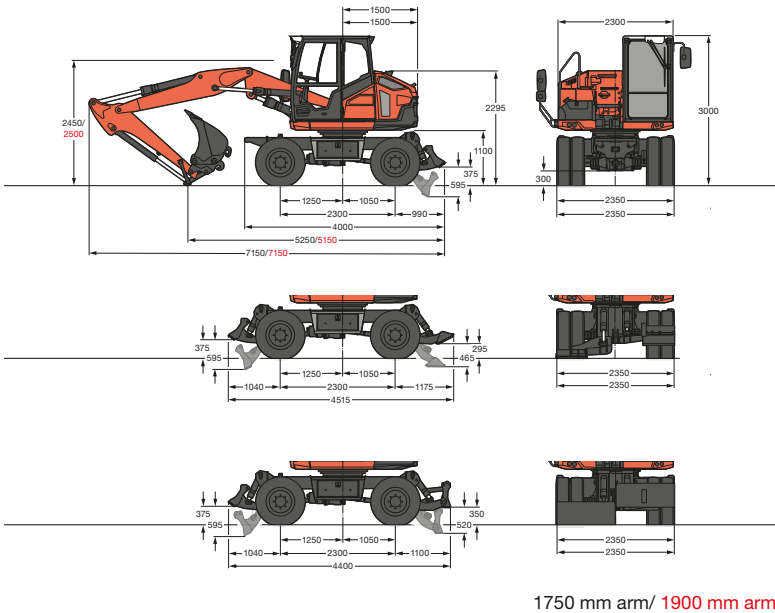
 swivelling  in longitudinal direction  Max. reach *Limited by hydraulic lifting force

The load capacity values are specified in tonnes (t) at the load hook of the Liebherr SWA 33 quick coupler without digging tools and apply on firm, level ground with the pendulum axle closed. The values transverse to the undercarriage can be swivelled through 360°. The values longitudinal to the undercarriage (± 15°) are specified in the unsupported state via the steering axle and in the supported state via the rigid axle. The values apply when the adjustment cylinder is in the optimum position. The specified load capacities are based on ISO 10567 and amount to max. 75% of the static tipping load or 87% of the hydraulic lifting force, or are limited by the permissible load capacity of the load hook on the quick coupler (max. 5 t). When the quick coupler is removed, the load capacities can increase by up to 110 kg. According to the harmonised European standard EN 474-5, hydraulic 360° swivelling over longitudinal direction Max. reach * Limited by hydraulic lifting force. Excavators used for lifting operations must be equipped with appropriate line break safety devices, an overload warning device, a lifting device (e.g. load hook) and a load chart.

Working range



Dimensions



1750 mm arm/ 1900 mm arm

Lifting capacity table KW115

2-Piece boom 4650 mm, 2005 mm arm

	Undercarriage supported		2,0m		3,0m		4,0m		5,0m		6,0m				
m	rear	front													m
8.0													2.5*	2.5*	2.5
													2.5*	2.5*	
													2.5*	2.5*	
													2.5*	2.5*	
7.0	-	-			2.6*	2.6*	2.2*	2.2*					1.9*	1.9*	4.3
	Shield	-			2.6*	2.6*	2.2*	2.2*					1.9*	1.9*	
	Paws	-			2.6*	2.6*	2.2*	2.2*					1.9*	1.9*	
	Split Shield	-			2.6*	2.6*	2.2*	2.2*					1.9*	1.9*	
6.0	-	-					2.5*	2.5*	2.1	2.1*			1.7*	1.7*	5.3
	Shield	-					2.5*	2.5*	2.1*	2.1*			1.7*	1.7*	
	Paws	-					2.5*	2.5*	2.1*	2.1*			1.7*	1.7*	
	Split Shield	-					2.5*	2.5*	2.1*	2.1*			1.7*	1.7*	
5.0	-	-			2.4*	2.4*	2.6*	2.6*	2.1	2.5*	1.7*		1.5	1.6*	6.0
	Shield	-			2.4*	2.4*	2.6*	2.6*	2.4	2.5*	1.7*		1.6*	1.6*	
	Paws	-			2.4*	2.4*	2.6*	2.6*	2.5*	2.5*	1.7*		1.6*	1.6*	
	Split Shield	-			2.4*	2.4*	2.6*	2.6*	2.5*	2.5*	1.7*		1.6*	1.6*	
4.0	-	-	2.8*	2.8*	3.0*	3.0*	3.0	3.0*	2.2	2.9*		2.2	1.3	1.6*	6.5
	Shield	-	2.8*	2.8*	3.0*	3.0*	3.0*	3.0*	2.4	2.9*	1.7	2.4*	1.5	1.6*	
	Paws	-	2.8*	2.8*	3.0*	3.0*	3.0*	3.0*	2.7	2.9*	2.0	2.4*	1.6*	1.6*	
	Split Shield	-	2.8*	2.8*	3.0*	3.0*	3.0*	3.0*	2.8	2.9*	2.1	2.4*	1.6*	1.6*	
3.0	-	-	6.1*	6.1*	4.4	4.9*	2.9	3.7*	2.1	2.9	1.5	2.2	1.2	1.6*	6.8
	Shield	-	6.1*	6.1*	4.8	4.9*	3.2	3.7*	2.3	3.0*	1.7	2.5*	1.3	1.6*	
	Paws	-	6.1*	6.1*	4.9*	4.9*	3.7*	3.7*	2.7	3.0*	2.0	2.5*	1.6	1.6*	
	Split Shield	-	6.1*	6.1*	4.9*	4.9*	3.7*	3.7*	2.8	3.0*	2.1	2.5*	1.6*	1.6*	
2.0	-	-	6.7*	6.7*	4.3	5.3*	2.9	3.9*	2.1	2.9	1.5	2.2	1.1	1.7	6.9
	Shield	-	6.7*	6.7*	4.7	5.3*	3.2	3.9*	2.3	3.1*	1.7	2.5*	1.3	1.7*	
	Paws	-	6.7*	6.7*	5.3*	5.3*	3.6	3.9*	2.7	3.1*	2.0	2.5*	1.5	1.7*	
	Split Shield	-	6.7*	6.7*	5.3*	5.3*	3.7	3.9*	2.8	3.1*	2.1	2.5*	1.6	1.7*	
1.0	-	-	7.1*	7.1*	4.3	5.4*	2.9	3.9	2.0	2.9	1.4	2.1	1.1	1.7	6.9
	Shield	-	7.1*	7.1*	4.7	5.4*	3.1	3.9*	2.3	3.1*	1.6	2.5*	1.2	1.8*	
	Paws	-	7.1*	7.1*	5.4	5.4*	3.6	3.9*	2.7	3.1*	2.0	2.5*	1.5	1.8*	
	Split Shield	-	7.1*	7.1*	5.4*	5.4*	3.7	3.9*	2.8	3.1*	2.0	2.5*	1.6	1.8*	
0	-	-	8.0*	8.0*	4.2	5.4*	2.8	3.9	1.9	2.9	1.4	2.1	1.1	1.7	6.7
	Shield	-	8.0*	8.0*	4.8	5.4*	3.1	4.0*	2.2	3.1*	1.6	2.5*	1.3	1.9*	
	Paws	-	8.0*	8.0*	5.4	5.4*	3.6	4.0*	2.6	3.1*	1.9	2.5*	1.6	1.9*	
	Split Shield	-	8.0*	8.0*	5.4*	5.4*	3.7	4.0*	2.7	3.1*	2.0	2.5*	1.6	1.9*	
-1.0	-	-	8.2	8.6*	4.1	5.5*	2.7	4.0	1.8	2.8	1.3	2.0	1.2	1.7*	6.4
	Shield	-	8.6*	8.6*	4.7	5.5*	3.0	4.0*	2.1	3.1*	1.5	2.2*	1.4	1.7*	
	Paws	-	8.6*	8.6*	5.5*	5.5*	3.6	4.0*	2.5	3.1*	1.9	2.2*	1.7	1.7*	
	Split Shield	-	8.6*	8.6*	5.5*	5.5*	3.8	4.0*	2.6	3.1*	1.9	2.2*	1.7*	1.7*	
-2.0	-	-	8.1	8.7*	4.0	5.6*	2.5	3.9	1.8	2.7			1.4	1.4*	5.9
	Shield	-	8.7*	8.7*	4.6	5.6*	2.9	4.0*	2.0	2.7*			1.4*	1.4*	
	Paws	-	8.7*	8.7*	5.6*	5.6*	3.5	4.0*	2.4	2.7*			1.4*	1.4*	
	Split Shield	-	8.7*	8.7*	5.6*	5.6*	3.6	4.0*	2.5	2.7*			1.4*	1.4*	
-3.0	-	-	7.6*	7.6*	3.9	4.7*	2.4	2.9*					1.9*	1.9*	4.6
	Shield	-	7.6*	7.6*	4.4	4.7*	2.8	2.9*					1.9*	1.9*	
	Paws	-	7.6*	7.6*	4.7*	4.7*	2.9*	2.9*					1.9*	1.9*	
	Split Shield	-	7.6*	7.6*	4.7*	4.7*	2.9*	2.9*					1.9*	1.9*	



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