



**RT3 STRAIGHT BLADE
SPECIFICATIONS**

	7'6" Steel STD-DUTY	7'6" Steel / Poly SUPER-DUTY	8'0" Steel / Poly SUPER-DUTY	8'6" Steel SUPER-DUTY	9'0" Steel SUPER-DUTY	9'0" Steel HEAVY-DUTY	10'0" Steel HEAVY-DUTY
MOLDBOARD							
Moldboard Width (Straight)	90" (229 cm)	90" (229 cm)	96" (244 cm)	102" (259 cm)	108" (274 cm)	108" (274 cm)	120" (305 cm)
Plowing Width @ 30 Deg. Angle	78" (198 cm)	78" (198 cm)	83" (211 cm)	88" (224 cm)	93-1/2" (238 cm)	94" (239 cm)	104" (264 cm)
Moldboard Thickness	14 Gauge High Strength	11 Gauge / 3/8" (1cm) Poly	11 Gauge / 3/8" (1cm) Poly	11 Gauge	11 Gauge	7 Gauge	7 Gauge
Moldboard Height	27-1/2" (70 cm)	29" (74 cm)	29" (74 cm)	29" (74 cm)	29" (74 cm)	34-1/2" (88 cm)	34-1/2" (88 cm)
Cutting Edge (1080 Steel)	3/8" x 6" (1 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)
Cutting Edge Angle	70°	70°	70°	70°	70°	70°	70°
Reinforcement Ribs	7	7 + 2 Diag	7 + 2 Diag	7 + 2 Diag	7 + 2 Diag	8 + 2 Diag	8 + 2 Diag
Box Section Reinforcements		2	2	4	4	2	2
Snowfoil	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Curb Guards	Optional	Optional	Optional	Optional	Optional	N/A	N/A
Blade Extensions	Optional	Optional	Optional	Optional	Optional	N/A	N/A
PUSH FRAME ATTACHMENT BAR							
Moldboard Attachment Pins	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 4	3/4"(19mm) GR5, QTY 4
Pivot Pin Diameter	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	1" (25.4mm)GR5	1" (25.4mm)GR5
Pivot Pin Bushings (O.D. / I.D.)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	2"(51mm) / 1"(19mm)	2"(51mm) / 1"(19mm)
PUSH FRAME							
Super Structure	2"(50.8mm) x 4"(101.6mm) Tube	2"(50.8mm) x 4"(101.6mm) Tube	2"(50.8mm) x 4"(101.6mm) Tube	2"(50.8mm) x 4"(101.6mm) Tube	2"(50.8mm) x 4"(101.6mm) Tube	3"7(76.2mm) x 5"(127mm) Tube	3"7(76.2mm) x 5"(127mm) Tube
Angle Pivot Pin Diameter	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	1" (25.4mm)GR5	1" (25.4mm)GR5
Pivot Pin Bushing (O.D. / I.D.)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	2"(51mm) / 1"(19mm)	2"(51mm) / 1"(19mm)
TRIP MECHANISM							
Trip Method	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard
Trip Springs	3	4	4	4	4	6	6
Trip Spring Type	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring
Trip Spring Adjustment	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt
Trip Damping	Shock Absorber	Shock Absorber	Shock Absorber	Shock Absorber	Shock Absorber	Shock Absorbers (2)	Shock Absorbers (2)
LIGHTING							
Bulbs	SL3 L.E.D. with Ice Shield Technology						
Lens Material	Fully Sealed L.E.D. Lighting						
Housing Material	Polycarbonate						
Dimensions	Xenoy						
Mounting	11-1/2" (292mm)Wide X 4 1/3"(110mm) High X 6"(152mm) Deep						
High beam output	Fully adjustable 5 bolt retaining clamp						
Low beam output	850 effective lumens						
	650 effective lumens						
	100% DOT,FMVSS,SAE and ECE compliant						
CONTROLS							
SmartTouch 2™ Hand Held Control (standard):	3 Soft Touch Illuminated Buttons - Automatic Float						
	Fully Independent Function Control						
Joystick (optional):	4 position Joystick with Detented Float Position						
	Fully Independent Function Control (Integral with Valve Assembly)						
HYDRAULIC SYSTEM PERFORMANCE							
Angling	3-1/2 Seconds at Full Pressure						
Lift	2 Seconds at Full Pressure						
Lower	Fully Adjustable Flow Control Valve						



**RT3 STRAIGHT BLADE
SPECIFICATIONS**

	7'6" Steel STD-DUTY	7'6" Steel / Poly SUPER-DUTY	8'0" Steel / Poly SUPER-DUTY	8'6" Steel SUPER-DUTY	9'0" Steel SUPER-DUTY	9'0" Steel HEAVY-DUTY	10'0" Steel HEAVY-DUTY
POWER UNIT							
Construction	Heavy Duty, Cast Iron Pump Housing						
Mounting	Plow Mounted with Enclosure Cover						
Reservoir Capacity	2 Quart (3 Quart on 10'0 Plow)						
Type	Fixed Displacement Gear Pump, 5/16" Wide Gear Face (.162 cu.in/rev)						
Flow Rate	1.3 GPM (4.9 LITERS/MIN) @ 2000 PSI						
Motor	12 VDC High Torque Motor						
Amp Draw	243 Amps, 12 VDC, @ 2000 PSI						
Relief Setting	2500 PSI Full Bypass Relief						
Filtration	100 Mesh Screen on Inlet and Exhaust Tubes						
CYLINDERS							
Angling Cylinders							
Quantity	2	2	2	2	2	2	2
Stroke	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)
Rod Diameter	1-1/2"(38 mm)	1-1/2"(38 mm)	1-1/2"(38 mm)	1-1/2"(38 mm)	1-1/2"(38 mm)	2"(50.8 mm)	2"(50.8 mm)
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	4 Vee type D&R Seal	4 Vee type D&R Seal
Lift Cylinders							
Quantity	1	1	1	1	1	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Double Acting, Pull Type	Double Acting, Pull Type
Stroke	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	12"(304.8 mm)	12"(304.8 mm)
Rod Diameter	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)
Piston Diameter	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2.25"(57.2 mm)	2.25"(57.2 mm)
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals
VALVE MANIFOLD							
Type	Remote Mounted, Cartridge Valve Manifold						
Material	Anodized 6061 Marine Grade Aluminum						
Valves	3 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves 1 Solenoid-Operated, 4-Way, 3 Position Spool Control Valve 1 Cross-over Relief Valves (3800 PSI Setting) 4 100 Mesh Filter Screens						
QUICK HITCH SYSTEM							
Undercarriage System	RT3	RT3	RT3	RT3	RT3	RT3	RT3
Hitch System	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™
MISCELLANEOUS							
Blade Adjustable Plow Shoe	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.
PLOW WEIGHT*	597 lb ^B (271 kg)	680 lb ^B (308 kg) / 706 lb (320 kg)	698 lb ^B (317 kg) / 722 lb (328 kg)	720 lb ^B (327 kg)	742 lb ^B (337 kg)	1152 lb ^C (523 kg)	1205 lb ^C (547 kg)
WARRANTY	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor

* Plow weight does not include mount weight. ^BVehicle mount weight range: 75-105 lb. ^CVehicle mount range 130-160 lb.

BOSS Products, a division of The Toro Company, reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used herein.