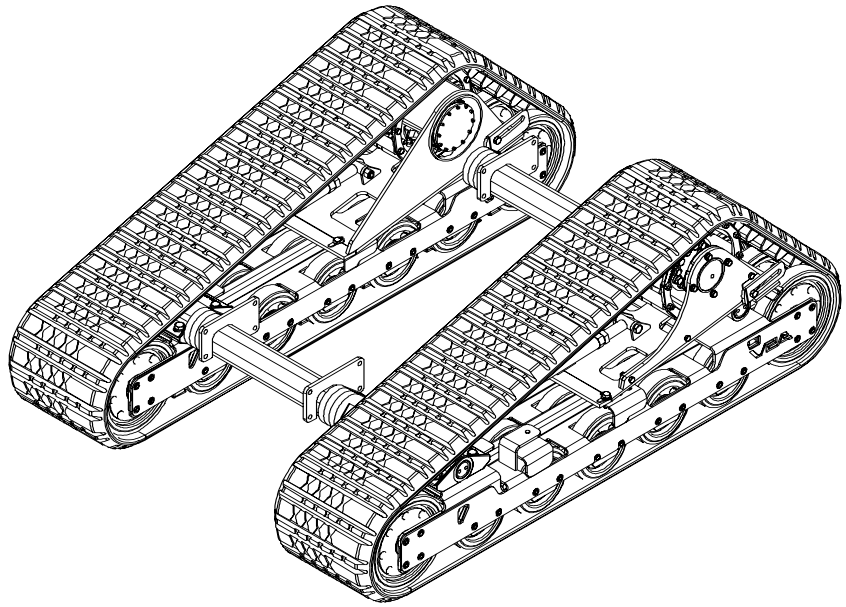




RT-100D2 Undercarriage Specifications

**Rubber Track
Undercarriage
with Two-Speed
Direct Drive and
Suspension**

10,000 lb/4535 kg GVWR



Description:

The ASV RT-100D2 is a patented undercarriage with 18 in./475 mm wide rubber tracks, torsion axle suspension and two-speed hydraulic direct final drive. This undercarriage was originally used on ASV RC-100, RC-85 and RCV Rubber Track Loaders. This undercarriage is also used on the Caterpillar 287B Multi Terrain Loader. The RT-100D2 undercarriage is now available to original equipment manufacturers for application on equipment with up to 10,000 lb/4535 kg gross vehicle weight.

The RT-100D2 features a durable and field-proven rubber track. The track is constructed using a proprietary process which molds a durable rubber compound around high-tensile strength cords that prevent track stretch. Low-profile grousers are molded into the track.



ASV Product Information

The undercarriage spreads the machine weight over a wide ground surface area to provide high flotation, optimum traction and smooth operation. It is ideal for applications where relatively fast machine speeds, excellent rimpull and low ground pressure are desired.

The undercarriage features an internal positive drive system. Direct-drive, hydrostatic motors drive an elevated drive sprocket on each side of the undercarriage. Roller sleeves on the drive sprocket mesh with two rows of sturdy rubber lugs on the inside of the track for smooth, low-noise operation. The undercarriage drive system will handle up to 110 hp/82 kW input and maximum continuous hydraulic pressure of 3,300 psi/22 752 kPa.

The RT-100D2 uses only rubber-on-rubber contact points between the track and undercarriage components. This minimizes component wear and makes for smooth, quiet operation.

Twenty-one rubber wheels within the undercarriage (per side) spread machine weight over a large ground contact area and span the rubber track from edge to edge. In an application with a 10,000 lb/4535 kg GVW, the ground pressure would be only 3.5 psi/24 kPa.

The RT-100D2 undercarriage features torsion axle suspension. As a result, the undercarriage provides exceptional traction, stability and smooth operation over rough, uneven surfaces. Two rubber torsion axles suspend the undercarriage system from the host machine frame. Each side of the suspension is able to flex independently of each other and of the machine frame. The result is smooth and comfortable operation which extends undercarriage and machine life and increases operator satisfaction. For material handling applications, the suspension helps increase material retention.



RT-100D2 Rubber Track Undercarriage



Specifications:

Undercarriage width:	69 in./1753 mm
Undercarriage height:	33 in./838 mm
Undercarriage length:	90 in./2286 mm
Undercarriage weight:	3,500 lb./ 1590 kg
Track width:	18 in./457 mm
Track length (on ground):	72.5 in./1841 mm
Track weight (each):	240 lb./109 kg
GVWR:	10,000 lb/4535 kg
Carrying Capacity:	approx. 6,500 lb./2950 kg
Ground Pressure at GVWR:	3.8 psi/26 kPa
Ground Contact Area:	2,610 in. ² /1.68 m ²
Maximum HP Input:	110 hp/82 kW
Maximum Continuous Hydraulic Pressure:	3,300 psi/22 752 kPa
Drive System:	Direct drive, 2-speed
Drive Type:	Internal positive
Track construction:	Proprietary-molded around a high-tensile strength chord
Suspension:	Dual axle, rubber torsion
Rollers:	Forty-two all-rubber wheels. Wheel bearings are sealed.
Track Adjustment:	Adjustable idler wheel carriage



Comparative Specifications - ASV Undercarriages

	RT-30	RT-50	RT-70	RT-100	RT-100D	RT-100D2	RT-120
U/C width (in/mm):	46 / 676	60 / 1524	66 / 1676	69 / 1753	78 / 1981	69 / 1753	84 / 2134
U/C length (in/mm):	68.5 / 1740	75 / 1905	102 / 2591	100 / 2540	100 / 2540	90 / 2286	120 / 3050
Track width (in/mm):	10.75 / 1397	15 / 381	18 / 475	18 / 475	18 / 475	18 / 475	24 / 609
Carrying capacity (lb/kg):	2000 / 907	4600 / 2090	4500 / 2040	6000 / 2722	6000 / 2722	6,500 / 2950	7500 / 3402
Max. input power (hp/kW):	30 / 22.4	50 / 37.3	70 / 52	110 / 82	110 / 82	110 / 82	125 / 93
Drive system:	Hyd. direct	Hyd. direct	Hyd. 2:1 chain drive	Planetary	Hyd. direct	Hyd. direct 2-speed	Planetary

ASVRT100D2
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