

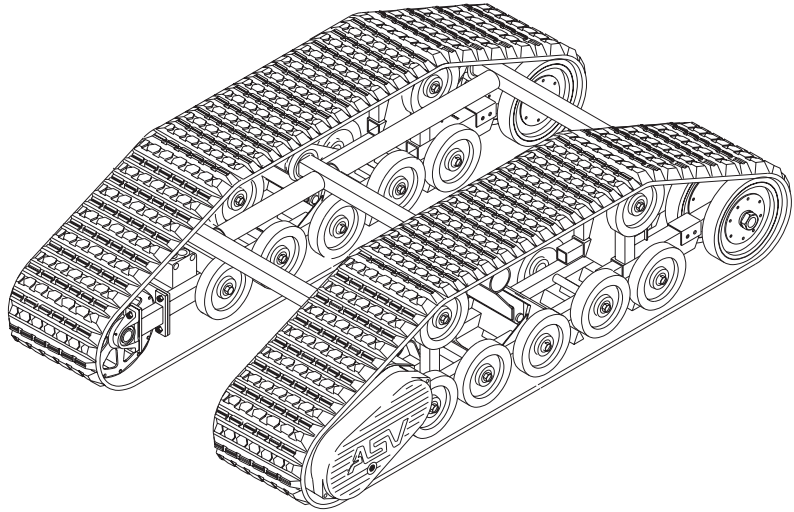


RT•70 Undercarriage

Specifications

Rubber Track Undercarriage with Suspension

7000 lb/3175 kg GVWR
with 2:1 Reduction Chain Drive



Description:

The ASV RT•70 is a unique and versatile undercarriage with 18 in./457 mm wide rubber tracks and tri-axle rubber torsion suspension. This undercarriage was originally designed for ASV's Posi-Track All Purpose Crawler (below). The RT•70 undercarriage is now available to original equipment manufacturers for application on equipment with up to 7,000 lb/3175 kg gross vehicle weight.

The RT•70 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.

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.



ASV Product Information

The undercarriage features an 2:1 reduction chain-drive system that is driven by low-speed, high-torque hydraulic motors. The undercarriage drive system will handle up to 70 hp/52 kW input and maximum continuous hydraulic pressure of 3000 psi/20 670 kPa.

The RT•70 uses rubber-on-rubber contact points between the track and undercarriage components. This minimizes component wear and makes for smooth, quiet operation.

Twenty-four rubber wheels within the undercarriage spread machine weight over a large ground contact area and span the rubber track from edge to edge. In an application with a 7,000lb/3175 kg GVW, the ground pressure would be only 2.25 psi/15.5 kPa.

Three rubber torsion axles provide suspension for the undercarriage system. Suspension softens impacts, not only to the undercarriage as it travels over rough and uneven surfaces but also reduces vibration and impact to the machine. 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•70 Rubber Track Undercarriage

Specifications:

Undercarriage width:	66 in./1676 mm
Undercarriage height:	28 in./711 mm
Undercarriage length:	102 in./2591 mm
Undercarriage weight:	2,500 lb./ 1134 kg
Track width:	18 in./475 mm
Track length (on ground):	86 in./ 2185 mm
Track weight (each):	265 lb./ 120 kg
GVWR:	7,000 lb/3175 kg
Carrying Capacity:	approx. 4500 lb./2040 kg
Ground Pressure at GVWR:	2.25 psi/15 kPa
Ground Contact Area:	3,100 in. ² / 2 m ²
Maximum HP Input:	70 hp/52 kW
Maximum Continuous Hydraulic Pressure:	3,000 psi/20 670 kPa
Drive System:	Low-speed, high-torque hydraulic motors with 2:1 reduction to chain drive
Drive Type:	Internal positive
Track construction:	Proprietary-molded around a high-tensile strength chord
Suspension:	Three axle, rubber torsion
Rollers:	Twenty-four all-rubber wheels with ball bearings
Track Adjustment:	Sliding tension tubes on carriage frame, adjustable in .5-inch/13 mm increments



Comparative Specifications - ASV Undercarriages

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

ASVRT70
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