# Nederman

## MAX Track ST

### Exhaust extraction system for emergency stations with fewer runs



MAX Track ST is designed for stations low to medium run frequency and average exit speed. The MAX nozzle features a direct, magnetic connection to an adapter secured to the vehicle's tailpipe, capturing the exhaust directly at the source.

High temperature, free-hanging exhaust hose is supported by a balancer that connects the nozzle to the exhaust duct. As the vehicle moves within the station, the trolley slides on the track with the nozzle secured to the tailpipe. When the vehicle exits the station tension on the hose / balancer disconnects the nozzle from the vehicle.

MAX Track ST is available in track lengths from 6 to 12 m (20 to 39 ft) and it fits a variety of tailpipe diameters on low, under vehicle arrangements.

#### **Technical System Specifications**

Vehicle Capacity1Exhaust Pipe LocationLow, under vehicleMaximum Exit Speed15 km/hr (10 mph)Vehicle ApproachBack-in (typical) or Drive-throughVehicle Exhaust TemperatureUp to 510°C (950°F)Recommended Airflow425 - 850 m³/hr (250 - 500 CFM)Nozzle TypeMAX Nozzle, direct connect with SiCo rare earth magnet(s)Nozzle Connection Size(s)4" or 6" nominalTailpipe Adapter Size(s)3", 3.5", 4", 5" or 6" OD TailpipeTrack StyleTrackActuatorDashboard transmitter or in duct pressure switchTrack Mounting Height6.0 m (19.6 ft), 9.0 m (29.5 ft), 1.2 m (39.4 ft)Available Track Lengths6.0 m (19.6 ft), 9.0 m (29.5 ft), 1.2 m (39.4 ft)Balancer Specifications11.3 kg (31.5 lb) pull force; 1.5 m (5 ft) length of useTrack / Rail13.2 kg (29 lb)Track / Rail3.0 kg (6.6 lb)Extraction Unit (per drop)14.3 kg (31.5 lb) pull force; 1.5 m (5 ft) length of useTralipipe Adapter2.3 kg (51.5 lb)Track / Rail1.3 ckg (29 lb)Track / Rail1.3 ckg (32 lb)Trailpipe Adapter2.3 kg (5 lb)Tailpipe AdapterElectrolytic nickel plated steelNozzleSynthetic, high temperature hose with steelMaterialsElectrolytic nickel plated steelNozzleSynthetic, high temperature hose with steelAling Block (trolley)AluminumSliding Block (trolley)Aluminum and Polythene	Technical System Specifications				
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Recommended Airflow425 - 850 m³/hr (250 - 500 CFM)Nozzle TypeMAX Nozzle, direct connect with SiCo rare earth magnet(s)Nozzle Connection Size(s)4" or 6" nominalTailpipe Adapter Size(s)3", 3.5", 4", 5" or 6" 0D TailpipeTrack StyleTrackActuatorDashboard transmitter or in duct pressure switchTrack Mounting Height3.3 - 4.0 m (10-13 ft)Available Track Lengths6.0 m (19.6 ft), 9.0 m (29.5 ft), 12 m (39.4 ft)Hose Length7.3 m (24.0 ft) for 6 m track length; 8.5 m (28 ft) for 9 m (30 ft) and 12 m (39 ft) track lengthsExhaust Hose Diameter100 mm (4") or 150 mm (6")Balancer Specifications14.3 kg (31.5 lb) pull force; 1.5 m (5 ft) length of useTrack / Rail13.2 kg (29 lb)Trolley / Balancer3.0 kg (6.6 lb)Extraction Unit (per drop)14.5 kg (32 lb)Tailpipe AdapterElectrolytic nickel plated steelNozzleElectrolytic nickel plated steelNozzleSynthetic, high temperature hose with steel helix and wear stripTrack / Rail TypeAluminumSliding Block (trolley)Aluminum and Polythene	Vehicle Approach	Back-in (typical) or Drive-through			
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Nozzle Connection Size(s)Magnet(s)Nozzle Connection Size(s)4" or 6" nominalTailpipe Adapter Size(s)3", 3.5", 4", 5" or 6" OD TailpipeTrack StyleTrackActuatorDashboard transmitter or in duct pressure switchTrack Mounting Height3.3 - 4.0 m (10-13 ft)Available Track Lengths6.0 m (19.6 ft), 9.0 m (29.5 ft), 12 m (39.4 ft)Hose Length7.3 m (24.0 ft) for 6 m track length; 8.5 m (28 ft) for 9 m (30 ft) and 12 m (39 ft) track lengthsExhaust Hose Diameter100 mm (4") or 150 mm (6")Balancer Specifications14.3 kg (31.5 lb) pull force; 1.5 m (5 ft) length of useTrack / Rail13.2 kg (29 lb)Trolley / Balancer3.0 kg (6.6 lb)Extraction Unit (per drop)14.5 kg (32 lb)Tailpipe AdapterElectrolytic nickel plated steelNozzleElectrolytic nickel plated steel, rubber bumper and silicone rubber diaphragmHoseSynthetic, high temperature hose with steel helix and wear stripTrack / Rail TypeAluminumHoseSynthetic, high temperature hose with steel helix and wear strip	Recommended Airflow	425 - 850 m <sup>3</sup> /hr (250 - 500 CFM)			
Tailpipe Adapter Size(s)3", 3.5", 4", 5" or 6" OD TailpipeTrack StyleTrackActuatorDashboard transmitter or in duct pressure switchTrack Mounting Height3.3 - 4.0 m (10-13 ft)Available Track Lengths6.0 m (19.6 ft), 9.0 m (29.5 ft), 12 m (39.4 ft)Hose Length7.3 m (24.0 ft) for 6 m track length; 8.5 m (28 ft) for 9 m (30 ft) and 12 m (39 ft) track lengthsExhaust Hose Diameter100 mm (4") or 150 mm (6")Balancer Specifications14.3 kg (31.5 lb) pull force; 1.5 m (5 ft) length of useTrack / Rail13.2 kg (29 lb)Trolley / Balancer3.0 kg (6.6 lb)Extraction Unit (per drop)14.5 kg (32 lb)Tailpipe AdapterElectrolytic nickel plated steelNozzleElectrolytic nickel plated steel, rubber bumper and silicone rubber diaphragmHoseSynthetic, high temperature hose with steel helix and wear stripTrack / Rail TypeAluminum and Polythene	Nozzle Type				
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SwitchTrack Mounting Height3.3 - 4.0 m (10-13 ft)Available Track Lengths6.0 m (19.6 ft), 9.0 m (29.5 ft), 12 m (39.4 ft)Hose Length7.3 m (24.0 ft) for 6 m track length; 8.5 m (28 ft) for 9 m (30 ft) and 12 m (39 ft) track lengthsExhaust Hose Diameter100 mm (4") or 150 mm (6")Balancer Specifications14.3 kg (31.5 lb) pull force; 1.5 m (5 ft) length of useApproximate Weights3.0 kg (6.6 lb)Track / Rail13.2 kg (29 lb)Torlley / Balancer3.0 kg (6.6 lb)Extraction Unit (per drop)14.5 kg (32 lb)Tailpipe AdapterElectrolytic nickel plated steelNozzleElectrolytic nickel plated steel, rubber bumper and silicone rubber diaphragmHoseSynthetic, high temperature hose with steel helix and wear stripTrack / Rail TypeAluminum and Polythene	Track Style	Track			
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Image:	Track Mounting Height	3.3 - 4.0 m (10-13 ft)			
ft) for 9 m (30 ft) and 12 m (39 ft) track lengthsExhaust Hose Diameter100 mm (4") or 150 mm (6")Balancer Specifications14.3 kg (31.5 lb) pull force; 1.5 m (5 ft) length of useApproximate Weights7Track / Rail13.2 kg (29 lb)Trolley / Balancer3.0 kg (6.6 lb)Extraction Unit (per drop)14.5 kg (32 lb)Tailpipe Adapter2.3 kg (5 lb)MaterialsElectrolytic nickel plated steelNozzleElectrolytic nickel plated steel, rubber bumper and silicone rubber diaphragmHoseSynthetic, high temperature hose with steel helix and wear stripTrack / Rail TypeAluminumHoseAluminum	Available Track Lengths				
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Approximate WeightsTrack / Rail13.2 kg (29 lb)Trolley / Balancer3.0 kg (6.6 lb)Extraction Unit (per drop)14.5 kg (32 lb)Tailpipe Adapter2.3 kg (5 lb)MaterialsElectrolytic nickel plated steelNozzleElectrolytic nickel plated steel, rubber bumper and silicone rubber diaphragmHoseSynthetic, high temperature hose with steel helix and wear stripTrack / Rail TypeAluminum Aluminum and Polythene	Exhaust Hose Diameter	100 mm (4") or 150 mm (6")			
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Extraction Unit (per drop)     14.5 kg (32 lb)       Tailpipe Adapter     2.3 kg (5 lb)       Materials     Electrolytic nickel plated steel       Nozzle     Electrolytic nickel plated steel, rubber bumper and silicone rubber diaphragm       Hose     Synthetic, high temperature hose with steel helix and wear strip       Track / Rail Type     Aluminum       Sliding Block (trolley)     Aluminum and Polythene	Track / Rail	13.2 kg (29 lb)			
Tailpipe Adapter     2.3 kg (5 lb)       Materials     Electrolytic nickel plated steel       Tailpipe Adapter     Electrolytic nickel plated steel, rubber bumper and silicone rubber diaphragm       Hose     Synthetic, high temperature hose with steel helix and wear strip       Track / Rail Type     Aluminum       Sliding Block (trolley)     Aluminum and Polythene	Trolley / Balancer	3.0 kg (6.6 lb)			
Materials       Tailpipe Adapter     Electrolytic nickel plated steel       Nozzle     Electrolytic nickel plated steel, rubber bumper and silicone rubber diaphragm       Hose     Synthetic, high temperature hose with steel helix and wear strip       Track / Rail Type     Aluminum       Sliding Block (trolley)     Aluminum and Polythene	Extraction Unit (per drop)	14.5 kg (32 lb)			
Tailpipe AdapterElectrolytic nickel plated steelNozzleElectrolytic nickel plated steel, rubber bumper and silicone rubber diaphragmHoseSynthetic, high temperature hose with steel helix and wear stripTrack / Rail TypeAluminumSliding Block (trolley)Aluminum and Polythene	Tailpipe Adapter	2.3 kg (5 lb)			
Nozzle     Electrolytic nickel plated steel, rubber bumper and silicone rubber diaphragm       Hose     Synthetic, high temperature hose with steel helix and wear strip       Track / Rail Type     Aluminum       Sliding Block (trolley)     Aluminum and Polythene	Materials				
and silicone rubber diaphragm       Hose     Synthetic, high temperature hose with steel helix and wear strip       Track / Rail Type     Aluminum       Sliding Block (trolley)     Aluminum and Polythene	Tailpipe Adapter	Electrolytic nickel plated steel			
Track / Rail Type     Aluminum       Sliding Block (trolley)     Aluminum and Polythene	Nozzle				
Sliding Block (trolley) Aluminum and Polythene	Hose				
	Track / Rail Type	Aluminum			
Balancer Steel cord, composite shell	Sliding Block (trolley)	Aluminum and Polythene			
	Balancer	Steel cord, composite shell			

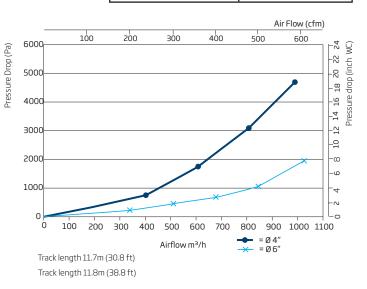
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### MAX Track ST Components & Accessories

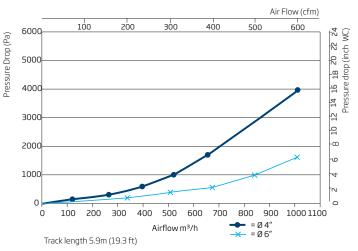
<b>Extraction Drop Assembly</b> Includes Track, sliding block, balancer, swivel, hose connector, exhaust hose and MAX Nozzle					
Length m (ft)	Nozzle Diameter (in)	Hose Diameter (in)	Hoze Length m (ft)	Article No.	
6 (20)	6	4	7.3 (24)	89299234	
9 (29.5)	6	4	8.5 (28)	89299229	
12 (39.4)	6	4	8.5 (28)	89299225	
6 (20)	4	4	7.3 (24)	89299261	
9 (29.5)	4	4	8.5 (28)	89299262	
12 (39.4)	4	4	8.5 (28)	89299263	
6 (20)	6	6	7.3 (24)	89299258	
9 (29.5)	6	6	8.5 (28)	89299259	
12 (39.4)	6	6	8.5 (28)	89299560	

Tail Pipe Adapter Assembly (includes tailpipe adapter and clamp)		
Tailpipe Diameter	Article No.	
З″	89299201	
3.5″	89299202	
4"	89299203	
5″	89299204	
6"	89299205	

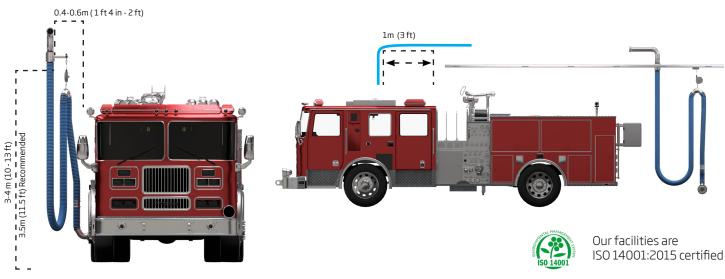
Accessories		
Description	Article No.	
Auto start/stop transmitter Gen II	89116064	
Pressure Switch for MAX (hard wired)	89298271	
Wireless Transmitter for Pressure Switch	89215003	
Safety coupling, 4 in	20373797	
Safety coupling, 6 in	20373798	



### System Pressure Drop



### **General Installation Dimensions**



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