



ATEX TRACKED UNDERCARRIAGES

Realized with stainless steel, to guarantee a better resistance to wear and chemical agents, Gerotto's tracked undercarriages can go up slopes of up to 30% and reach a speed of 5 km/h on level surfaces.

Gerotto uses these tracked undercarriages on its own machines. For this reason they created different dimensions, from XXS to L. The undercarriages can be equipped with lateral, stainless steel counterweights, in order to increase the stability of the robot, if necessary.

Gerotto can provide, on request, undercarriages with ATEX certification for Zone 2, Zone 1 or Zone 0 to work in potentially explosive environments. It is also possible to obtain the equivalent international certification (IECEx), or the specific one for North America (FM Approved in accordance with regulatory norm NFPA70/NEC500), China (CNEx) and Australia (ANZEx).

TECHNICAL DATA

Model	XXS	S	M	L
Picture				
Height	200 [mm]/8"	280 [mm]/11"	300 [mm]/12"	300 [mm]/12"
Length	730 [mm]/29"	970 [mm]/38"	985 [mm]/39"	1170 [mm]/46"
Width	390 [mm]/15"	465 [mm]/18,5"	500 [mm]/20"	500 [mm]/20"
Width with counterweights	480 [mm]/19"	535 [mm]/21"	570 [mm]/22,5"	570 [mm]/22,5"
Weight	60 [Kg]/132 [lb]	145 [Kg]/320 [lb]	150 [Kg]/331 [lb]	170 [Kg]/375 [lb]
Weight with counterweights	118 [Kg]/260 [lb]	236 [Kg]/520 [lb]	262 [Kg]/580 [lb]	305 [Kg]/671 [lb]
Hydraulic oil max pressure	140 [bar]/ 2030 [Psi]	175 [bar]/ 2540 [Psi]	175 [bar]/ 2540 [Psi]	175 [bar]/ 2540 [Psi]
Hydraulic oil max flow rate	20 [lt/min]/ 5,3 [Gpm]	30 [lt/min]/ 7,9 [Gpm]	50 [lt/min]/ 13,2 [Gpm]	50 [lt/min]/ 13,2 [Gpm]
Max speed	60 [m/min]/ 196 [ft/min]	60 [m/min]/ 196 [ft/min]	60 [m/min]/ 196 [ft/min]	60 [m/min]/ 196 [ft/min]
Traction total torque	18 [daNm]/ 1600 [lb-in]	36 [daNm]/ 3200 [lb-in]	55 [daNm]/ 5000 [lb-in]	55 [daNm]/ 5000 [lb-in]
Tensioning system	Static with regulating screw	Dynamic with mechanical spring	Dynamic with mechanical spring	Dynamic with mechanical spring
Max payload	150 [Kg]/330 [lb]	300 [Kg]/660 [lb]	450 [Kg]/990 [lb]	600 [Kg]/1320 [lb]