

P15001: Active Ankle Foot Orthotic - Updated Nov 18, 2014

Cu-in	Pressure	Cost	Weight (lb)	Length w/ Reg	Diameter (in)	Name	Link
50	4500	\$150.95	2.4	8.75	4.5	Ninja Paintball Nitrogen Tank - 50ci 4500psi - Grey G	http://www.punisherspb.com/Product/Ninj
68	4500	\$114.95	2.35	11	n/a	68/4500 GAS Paintball Compressed Air Tank	http://www.ansgear.com/68_4500_Afforda
68	4500	\$139.95	n/a		n/a	Pure Energy Basic 5 year Hydro Fixed N2 Tank - 68ci	http://www.punisherspb.com/Product/Pure
68	4500	\$149.95	2.43	10.5	4.5	Ninja Paintball Nitrogen Tank - 68ci 4500psi - Grey G	http://www.punisherspb.com/Product/Ninj
68	4500	\$159.95	2.45	11	n/a	Draxxus 68/4500 Compressed Air Paintball Tank	http://www.ansgear.com/Draxxus_68_4500
68	4500	\$159.95	n/a		n/a	GI Sportz 68/4500 Compressed Air Paintball Tank - C	http://www.punisherspb.com/Product/GI-S
68	4500	\$194.95	2.16	9.5	4.6	Guerrilla Air Carbon Fiber Tri Label Compressed Air T	http://www.ansgear.com/Guerrilla_Air_Car
70	4500	\$164.95	n/a		n/a	Guerrilla Air Carbon Fiber Tri Label Compressed Air T	http://www.punisherspb.com/Product/Gue
70	4500	\$174.95	2.3	10.94	4.6	Guerrilla Air Carbon Fiber Tri Label Compressed Air T	http://www.ansgear.com/Guerrilla_Air_Car
72	4500	\$159.95	n/a		n/a	Empire Ultra w/ Reactor 4 Regulator 72ci/4500 psi	http://www.punisherspb.com/Product/Emg
88	4500	\$174.95	2.8	11.2	4.6	Guerrilla Air Carbon Fiber Tri Label Compressed Air T	http://www.ansgear.com/Guerrilla_Air_Car
88	4500	\$184.95	2.8	11.2	4.6	Guerrilla Air Carbon Fiber Tri Label Compressed Air T	http://www.ansgear.com/Guerrilla_Air_Car
90	4500	\$160.95	3.3	13.375	4.5	Ninja Paintball 90 ci 4500 psi Carbon Fiber Compress	http://www.discountpaintball.com/Ninja-P
90	4500	\$234.95	n/a		n/a	Ninja Super Lite Nitrogen Tank w/PRO V2 Regulator	http://www.punisherspb.com/Product/Ninj
100	4500	\$184.95	n/a		n/a	Guerrilla Air Carbon Fiber Tri Label Compressed Air T	http://www.punisherspb.com/Product/Gue
100	4500	\$194.95	3.2	12.7	4.9	Guerrilla Air Carbon Fiber Tri Label Compressed Air T	http://www.ansgear.com/Guerrilla_Air_Car

*Nitrogen

**Additional regulator is advised (\$30) also it has a metric threaded guage

Size (11in) shown below :



Avg Daily Steps

4,000 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2927728/>

Similar estimates from this study <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1810544/>

Δ (Outer - Inner) Diameter
0.09375

Tank #	Tank Volun cu-in	Tank Press Psi	Pressure psi	Initial Length in	Deflection in	O. dia. (inflated) in	Vt @ Press. in^3	VMuscle in^3	Vt/VMuscle	Corrected steps
1	48	3000	55	6	1.0	0.535	2618	3.04	861	603
2	68	4500	55	6	1.0	0.535	5564	3.04	1830	1281
3	90	4500	55	6	1.0	0.535	7364	3.04	2422	1696
4	100	4500	55	6	1.0	0.535	8182	3.04	2691	1884
Target Steps		1,500	<i>Assume 4000 steps per day*.75 for stroke survivors /2 feet</i>							