

Force 5i Infinity Air Winches

Drum Wire Rope Storage Capacity - Imperial

Utility																	
Series	Rated capacity lbs	Rope Diameter in	Min Break* lbs	Accumulated rope capacity in feet / number of layers													
				1	2	3	4	5	6	7	8	9	10	11	12	13	14
FA2i-12	4,400	1/2	22,000	66	141	220	305	396	492	594	702						
		5/8	22,000	54	114	180	251	328	410								
FA2i-16	4,400	1/2	22,000	91	190	297	411	534	663	801	946						
		5/8	22,000	73	154	243	339	443	554								
FA2i-24	4,400	1/2	22,000	138	289	450	624	809	1,006	1,214	1,435						
		5/8	22,000	111	234	369	515	673	843								
FA2.5i-8	5,000	5/8	25,000	35	74	116	163	212	266								
FA2.5i-12	5,000	5/8	25,000	54	114	180	251	328	410								
FA2.5i-16	5,000	5/8	25,000	73	154	243	339	443	554								
FA2.5i-24	5,000	5/8	25,000	111	234	369	515	673	843								
FA5i-16	11,000	3/4	55,000	84	175	274	381	495	617	746	883						
		7/8	55,000	72	151	238	332	434	544	661							
FA5i-24	11,000	3/4	55,000	128	267	418	581	755	940	1,138	1,346						
		7/8	55,000	110	231	364	508	664	832	1,010							
FA5i-30	11,000	3/4	55,000	161	336	526	730	949	1,183	1,431	1,694						
		7/8	55,000	138	291	458	640	836	1,047	1,273							
FA5i-36	11,000	3/4	55,000	194	405	634	880	1,144	1,426	1,725	2,041						
		7/8	55,000	167	351	553	772	1,009	1,263	1,535							
FA5Ti-16	8,400	3/4	42,000	84	175	274	381	495	617	746	883	1,028	1,180	1,339	1,507	1,681	1,864
		7/8	42,000	72	151	238	332	434	544	661	785	917	1,057	1,204	1,359		
FA5Ti-24	8,400	3/4	42,000	128	267	418	581	755	940	1,138	1,346	1,567	1,799	2,042	2,297	2,564	2,842
		7/8	42,000	110	231	364	508	664	832	1,010	1,201	1,403	1,616	1,841	2,077		
FA5Ti-30	8,400	3/4	42,000	161	336	526	730	949	1,183	1,431	1,694	1,971	2,263	2,569	2,890	3,225	3,575
		7/8	42,000	138	291	458	640	836	1,047	1,273	1,512	1,766	2,035	2,318	2,616		
FA5Ti-36	8,400	3/4	42,000	194	405	634	880	1,144	1,426	1,725	2,041	2,375	2,727	3,096	3,483	3,887	4,308
		7/8	42,000	167	351	553	772	1,009	1,263	1,535	1,824	2,130	2,454	2,796	3,155		
FA7i-24	15,400	7/8	77,000	117	245	385	536	699	873	1,059	1,256						
		1	77,000	102	216	341	478	626	786	957							
FA7i-30	15,400	7/8	77,000	147	309	485	675	880	1,100	1,333	1,582						
		1	77,000	129	273	430	603	790	991	1,206							
FA7i-36	15,400	7/8	77,000	177	372	584	814	1,061	1,326	1,608	1,908						
		1	77,000	156	329	520	727	953	1,196	1,456							
FA7i-42	15,400	7/8	77,000	208	436	684	953	1,243	1,553	1,883	2,234						
		1	77,000	182	385	609	852	1,116	1,401	1,705							
FA7Ti-24	12,600	7/8	63,000	117	245	385	536	699	873	1,059	1,256	1,465	1,685	1,917	2,160		
		1	63,000	102	216	341	478	626	786	957	1,139	1,333	1,538				
FA7Ti-30	12,600	7/8	63,000	147	309	485	675	880	1,100	1,333	1,582	1,845	2,122	2,414	2,721		
		1	63,000	129	273	430	603	730	991	1,206	1,436	1,681	1,940				
FA7Ti-36	12,600	7/8	63,000	177	372	584	814	1,061	1,326	1,608	1,908	2,225	2,560	2,912	3,281		
		1	63,000	156	329	520	727	953	1,196	1,456	1,734	2,029	2,341				
FA7Ti-42	12,600	7/8	63,000	208	436	684	953	1,243	1,553	1,883	2,234	2,605	2,997	3,409	3,842		
		1	63,000	182	385	609	852	1,116	1,401	1,705	2,031	2,376	2,742				
FA10i-24	22,000	1-1/8	110,000	112	236	371	518	676	845	1,026	1,218						
FA10i-30	22,000	1-1/8	110,000	142	298	469	654	853	1,067	1,295	1,538						
FA10i-36	22,000	1-1/8	110,000	171	360	566	790	1,031	1,289	1,564	1,857						
FA10i-40	22,000	1-1/8	110,000	191	402	631	880	1,149	1,437	1,744	2,070						
FA10i-50	22,000	1-1/8	110,000	240	505	794	1,107	1,444	1,806	2,192	2,603						

Man Rider™																	
FA150KGi-12	330	7/16	3,300	77	161	249	344	445	551	663	780	904					
FA2i-MR12	3,180	1/2	25,440	66	141	220	305	396	492	594	702						
FA2i-MR16	3,180	1/2	25,440	91	190	297	411	534	663	801	946						
FA2i-MR24	3,180	1/2	25,440	138	289	450	624	809	1,006	1,214	1,435						
FA2.5i-MR8	3,180	1/2	25,440	44	92	144	199	258	321	388	458						
FA2.5i-MR12	3,180	1/2	25,440	68	141	220	305	396	492	594	702						
FA2.5i-MR16	3,180	1/2	25,440	91	190	297	411	534	663	801	946						
FA2.5i-MR24	3,180	1/2	25,440	138	289	450	624	809	1,006	1,214	1,435						
FA5i-MR16	6,870	3/4	54,960	84	175	274	381	495	617	746	883						
FA5i-MR24	6,870	3/4	54,960	128	267	418	581	755	940	1,138	1,346						
FA5i-MR30	6,870	3/4	54,960	161	336	526	730	949	1,183	1,431	1,694						
FA5i-MR36	6,870	3/4	54,960	194	405	634	880	1,144	1,426	1,725	2,041						

* NOTE: The Minimum Required Breaking Strength for the wire rope needs to be the Rated Capacity multiplied by the Design Factor.
 Example: for the FA2i (with a 5:1 Design Factor) 4,400 x 5 = 22,000 lbs.

Force 5i Infinity Air Winches

Drum Wire Rope Storage Capacity - Metric

Utility																	
Series	Rated capacity kgs	Rope Diameter mm	Min Break* Strength kgs	Accumulated rope capacity in meters / number of layers													
				1	2	3	4	5	6	7	8	9	10	11	12	13	14
FA2i-12	2000	13	10000	20	42	66	91	119	147	178	210						
		16	10000	16	34	54	76	99	124								
FA2i-16	2000	13	10000	27	57	89	123	160	199	240	284						
		16	10000	22	47	73	103	134	168								
FA2i-24	2000	13	10000	41	86	135	187	242	301	364	430						
		16	10000	34	71	112	156	204	255								
FA2.5i-8	2273	16	11365	11	22	35	49	64	80								
FA2.5i-12	2273	16	11365	16	34	54	76	99	124								
FA2.5i-16	2273	16	11365	22	47	73	103	134	168								
FA2.5i-24	2273	16	11365	34	71	112	156	204	255								
FA5i-16	5000	19	25000	26	53	84	116	151	188	227	269						
		22	25000	22	45	72	100	131	164	199							
FA5i-24	5000	19	25000	39	81	127	177	230	287	347	410						
		22	25000	33	69	110	153	200	251	305							
FA5i-30	5000	19	25000	49	102	160	223	289	361	436	516						
		22	25000	42	88	138	193	252	316	384							
FA5i-36	5000	19	25000	59	123	193	268	349	435	526	622						
		22	25000	50	106	167	233	304	381	463							
FA5Ti-16	3818	19	19090	26	53	84	116	151	188	227	269	313	360	408	459	512	568
		22	19090	22	45	72	100	131	164	199	237	277	319	364			
FA5Ti-24	3818	19	19090	39	81	127	177	230	287	347	410	478	548	622	700	782	866
		22	19090	33	69	110	153	200	251	305	363	424	488	557			
FA5Ti-30	3818	19	19090	49	102	160	223	289	361	436	516	601	690	783	881	983	1090
		22	19090	42	88	138	193	252	316	384	457	534	615	701			
FA5Ti-36	3818	19	19090	59	123	193	268	349	435	526	622	724	831	944	1062	1185	1313
		22	19090	50	106	167	233	304	381	463	551	644	742	846			
FA7i-24	7000	22	35000	35	74	116	162	211	263	320	379						
		25	35000	31	66	104	146	191	240	292							
FA7i-30	7000	22	35000	44	93	146	204	265	332	403	478						
		25	35000	39	83	131	184	241	302	368							
FA7i-36	7000	22	35000	53	112	176	246	320	400	486	576						
		25	35000	48	100	158	222	290	365	444							
FA7i-42	7000	22	35000	62	131	206	287	375	468	568	675						
		25	35000	55	117	186	260	340	427	520							
FA7Ti-24	5727	22	28635	35	74	116	162	211	263	320	379	443	509	579			
		25	28635	31	66	104	146	191	240	292	347	406	469				
FA7Ti-30	5727	22	28635	44	93	146	204	265	332	403	478	557	641	730			
		25	28635	39	83	131	184	223	302	368	438	512	591				
FA7Ti-36	5727	22	28635	53	112	176	246	320	400	486	576	672	774	880			
		25	28635	48	100	158	222	290	365	444	529	618	714				
FA7Ti-42	5727	22	28635	62	131	206	287	375	468	568	675	787	906	1031			
		25	28635	55	117	186	260	340	427	520	619	724	836				
FA10i-24	10000	28	50000	35	73	116	161	210	262	318	377						
FA10i-30	10000	28	50000	44	93	146	203	265	331	401	476						
FA10i-36	10000	28	50000	53	112	176	245	319	399	484	575						
FA10i-40	10000	28	50000	59	125	196	273	356	445	540	641						
FA10i-50	10000	28	50000	75	157	246	343	448	560	679	805						

Man Rider™																	
FA150KGi-12	150	10	1500	26	54	84	115	148	183	220	259	299	341	385			
FA2i-MR12	1445	13	11560	20	42	66	91	119	147	178	210						
FA2i-MR16	1445	13	11560	27	57	89	123	160	199	240	284						
FA2i-MR24	1445	13	11560	41	86	135	187	242	301	364	430						
FA2.5i-MR8	1445	13	11560	13	27	43	59	77	96	116	137						
FA2.5i-MR12	1445	13	11560	20	42	66	91	119	147	178	210						
FA2.5i-MR16	1445	13	11560	27	57	89	123	160	199	240	284						
FA2.5i-MR24	1445	13	11560	41	86	135	187	242	301	364	430						
FA5i-MR16	3123	19	24984	26	53	84	116	151	188	227	269						
FA5i-MR24	3123	19	24984	39	81	127	177	230	287	347	410						
FA5i-MR30	3123	19	24984	49	102	160	223	289	361	436	516						
FA5i-MR36	3123	19	24984	59	123	193	268	349	435	526	622						

* NOTE: The Minimum Required Breaking Strength for the wire rope needs to be the Rated Capacity multiplied by the Design Factor.
 Example: for the FA2i (with a 5:1 Design Factor) 20000 x 5 = 10000 kgs.