

4.2.2 Measuring the benchmark products w.r.t. metrics (2/2)



#	Metric	Imp.	Unit						
14	Maximum tire width	5	in.	15	175	15	175	15	15
15	Time to assemble to frame	1	s	35	35	45	45	35	85
16	Fender compatibility	1	List	Zefaf	None	None	None	None	All
17	Instils pride	5	Subj.	1	4	3	5	3	5
18	Unit manufacturing cost	5	US\$	65	105	85	115	80	100
19	Time in spray chamber without water entry	5	s	1300	2900	>3600	>3600	2300	>3600
20	Cycles in mud chamber without contamination	5	k-cycles	15	19	15	25	18	35
21	Time to disassemble/assemble for maintenance	3	s	160	245	215	245	200	425
22	Special tools required for maintenance	3	List	Hex.	Hex.	Hex.	Hex.	Long hex.	Hex. pin wrench
23	UV test duration to degrade rubber parts	5	hr	400+	250	400+	400+	400+	250
24	Monster cycles to failure	5	cycles	500k+	500k+	500k+	480k	500k+	330k
25	Japan Industrial Standards test	5	binary	Pass	Pass	Pass	Pass	Pass	Pass
26	Bending strength (frontal loading)	5	kN	5.5	8.9	7.5	7.5	6.2	10.2