

Design Attribute	Metric	Unit	Value	Owner
Easily Lifted	Mass	Pounds (lbs)	<15 lbs	Ball Chute Task Force
Rigidity	Deflection at tip of ramp	Length (in)	< 3 in	Ball Chute Task Force
Affordability	Material Cost	Dollars (\$)	< \$75	Ball Chute Task Force
Ball returns all the way to player	Distance ball travels	Length (ft)	~20 ft	Ball Chute Task Force
Tracks Player	Angular resolution	Degrees	=<15	Tracking Team
Tracks Player	Transmission Range	Feet	5<Range<30	Tracking Team
Transmitter Durability	Drop impacts	Number	>=25	Tracking Team
Tracking system (receiver and transmitter) product life	Time	Months	>18	Tracking Team
Transmitter battery life	Time	Hours	>20	Tracking Team
Rotation speed	Angular Velocity	RPM	15 < x < 30	Drive Team
Product life	Time Until Failure	Hours	500 < x < 1000	Drive Team
Installation	Mounting Time	Minutes	<10	Interface Team
Assembly	Assembly Time	Minutes	<20	Interface Team
Robustness	Number of basketball hits till failure	Number	>10,000	Interface Team
Water Resistant	Amount of precipitation exposed to before failure	Inches	>54	Interface Team
Storable	Able to move out of the way when not needed	Binary	Yes/No	Interface Team