

**AS3533.1 - 2009 - SPECIFIC REQUIREMENTS FOR
KARTS AND KART TRACKS – DESIGN & CONSTRUCTION**

AS3533.4.4:2018 SPECIFIC REQUIREMENTS – HIRE GO-KARTS

Ride Name: Schumacher Kart

Class of Device: Class 2

based on $v=18.05\text{m/s}$, $h=0.2\text{m}$, g approx. 2

$P=V \times H \times N = 7.2$

Audited by: Clinton Ford

Date: 24/8/2021

Signature:



Design Computations Comment

AS3533.4.4 notes the use of design computations for the design of multiple components/assemblies of the kart, and consideration that a crash pulse as detailed in Clause 1.3.4 may be used as a guide, and that actual values will depend on the specific kart design.

DRA as the inspection Engineers is not aware of such design computations being used and that the Suchmacker Kart as presented for design registration, has been in operation for a period of more than 5 years.

Under the allowance given in Section 5 of AS3533.4.4:2018, the design is considered to have been proven, given its commercial use, without reportable incidents for the past 5 years.

DESIGN AND CONSTRUCTIONS – SECTION 5.6	
5.6 Karts and Kart Tracks	Yes / No / N/A
The following requirements are for karts powered by either battery or internal combustion engine and driven on permanently installed indoor or outdoor tracks.	
a) Karts shall be constructed of mainly non-combustible material with sufficient strength to sustain the weight of the patron and withstand the stresses induced by normal operation, collision with other karts or with any part of the surrounding structure.	Yes #1