



# Johnson Kart

MANUFACTURING, INC.

MFB: JOHNSON KART MFB  
RIDE: ROAD COURSE  
NON-KIDDIE

## QUALITY CONCESSION KARTS

7350 NORTH 76TH STREET

PHONE (414) 353-5969

MILWAUKEE, WISCONSIN 53223

March 22, 1984

### GO-KART SPECIFICATIONS

1. Track surface - smooth, durable, non-skid material (asphalt or concrete recommended). Dirt track satisfactory if properly maintained. Tracks with gravel surfaces may be submitted for Underwriting evaluation.
2. Straightaway length - 350 feet is the maximum recommended (tracks with longer straightaways must be submitted for special consideration)
3. Track width - 20 feet recommended (16 feet minimum recommended) On oval tracks, it is recommended that track be five (5) feet wider on turns than on straightaways. Road courses should be the same width for their entire length.
4. Track bank may be banked on turns only - maximum bank is one inch per foot of track width. Straightaways must be flat, except two (2) degrees allowed for drainage.
5. Track grad-engineers recommended five percent maximum (track with steeper grades must be submitted for special consideration)
6. Safety Apron:
  - A. Must exist at both edges of track
  - B. Width:
    1. Competition Track
      - (a) 20 feet on straightaways (minimum recommended)
      - (b) 35 feet on turns (minimum recommended)
    2. Rental or Concession Tracks
      - (a) 15 feet on straightaways (minimum recommended)  
20 feet recommended
      - (b) 20 feet on turns (minimum recommended)  
25 feet recommended
    3. Exceptions - if less than above minimum, submit for Underwriting evaluation
  - C. Must be smooth, level (or not exceeding track pitch), free from obstructions, holes, etc.
  - D. Must join with track edge smoothly, so as to avoid a "curb" or "drop-off" hazard

TRACK SPECS

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7. Fencing

- A. Height - four (4) feet minimum recommended
- B. Post - ten (10) feet on center maximum. Advise if fence is inside or outside of posts. We generally recommend that fence be on inside of posts
- C. Material - chain link or one-inch solid board fence recommended. However, other type of fence material, including farm fence (2 x 2-5/8 maximum opening) acceptable. If fence is different from our recommendations, give particulars.
- D. Gates - should be supervised by an attendant when track is open and locked when track is closed to operation.

8. Pits

- A. Must be fenced
- B. Pit steward, or other supervisory official required
- C. Separate entrance and exit lanes required
- D. Surface - same as track

9. Spectator Area

- A. Must be separated from track and pits by fence
- B. Bleachers or grandstands must be substantially constructed and with back and side rails
- C. Spectators and parking should be supervised and carefully controlled
- D. Parking areas must be level, well-graded and free from obstructions or obstacles

10. General Operation and Maintenance

- A. Premises, including buildings, must be properly maintained and operated, clean and protected from unusual hazards.
- B. Wiring - all electrical wiring on the premises must be installed in compliance with the requirements of the National Electrical Code
- C. Fire extinguishers should be installed in sufficient quantity to provide adequate protection (required)

11. Maximum Speed (rental or Concession Tracks ONLY)

- A. Class 2 - maximum speed; 20 MPH, minimum age; 11 years
- B. Class 3 - maximum speed; 28 MPH, minimum age; 13 years

NOTE: The above represents the most common maximum operating speeds for rental kart operations. However, you may submit others for Underwriting consideration and evaluation.



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MILWAUKEE, WISCONSIN 53223

August, 1985

TO: Prospective Track Operators  
RE: Noise level of the K-91 Kohler Engine

We are quoting an excerpt from a letter dated  
December 1, 1972 from Kohler Co.,  
Kohler, Wisconsin

".....for the engine noise, I agreed to send  
you the noise levels we have measured on the  
engine running at full throttle, 4000 RPM,  
taken 50 feet from engine. Using our standard  
muffler, the noise level was 74 dba. By adapting  
a remote automotive type muffler (our 21413)  
the noise level can be reduced to 69 dba"

JOHNSON KART MFG. CO., INC.