

Base & Arm Material Composition:

High strength polycarbonate

Note: Polycarbonate should not be subjected to industrial solvents, such as, acetone.

Magnets:

N40 Grade Neodymium-Iron-Boron (NdFeB)

Magnet Coating:

Three layer coating of Nickel-Copper-Nickel having a minimum thickness of 0.0015"

Magnet Life:

Permanent magnetic field subject to the following conditions:

- 1. Magnets are not subjected to excessive or prolonged heat above 45°C;
- 2. Magnets are not subjected to high magnetic fields;
- 3. Magnets are not subjected to outside impact or abrasion that will damage the coating and permit oxidation of the NdFeB.

Adhesive:

Structural grade elastic adhesive – Methylmethacrylate(MMA)

Pin:

Zinc plated steel pin – standard

Aluminum rivet with stainless steel washer – tamper resistant

Mounting:

3 mounting screws provided – #6 combination Robertson and Philips head screws. Mounting holes are counter-bored to accept #6 combination Robertson and Philips head screws with screw heads flush with surface of base.

Release Weight:

26 lbs. +/- 2 lbs. (11.8 kg. +/- 0.9 kg.)

Testing:

Finite Element Analysis of geometry and material to determine stress points and degree of safety margin. Minor stress points were identified. All points have a margin of safety factor of 3 times actual identified stress.

Canadian Standards Association: **OnSpex**, the Consumer Products Evaluation Division of the Canadian Standards Association, has subjected the product to tests to determine longevity, durability and reliability. A copy of the report is available upon request or can be viewed by clicking the link below.

