



# LINEAR AIR TRACK – operation kit ALL MODELS MF0133-001

## MF0133-001 kit parts:

### IDENTIFICATION & QUANTITIES OF COMPONENTS:

#### AIR TRACK KIT. STANDARD OPERATIONAL COMPONENTS. MF0133-001

##### KIT PARTS.

|   |                            |                            |
|---|----------------------------|----------------------------|
| Glider 200mm long                         | 2x 1 black, 1 gold         | PA0130-024/024A black/gold |
| Glider 100mm long                         | 2x 1 black, 1 gold         | PA0130-025/025A black/gold |
| Pulley & flat screw for end of track      | 1x nylon moulding          | PA0130-046A                |
| Knurled screw & square nut (to clamp etc) | 4x hold items into gliders | PA0130-026 & 0130-028      |
| Buffer, elastic, with moulding            | 12x bumpers for gliders    | PA0130-032A                |
| Buffer, non-elastic, with 'velcro'        | 1pr that hold together     | PA0130-073A                |
| Magnet for glider                         | 2x each weighs 50g         | PA0130-031                 |
| Attachment block, screw & mldg.           | 5x holds loop springs      | PA0130-035A                |
| Spring loop, 30cm d.                      | 2x to join 2 gliders       | PA0130-033                 |
| Spring loop, 15cm d.                      | 1x burst between gliders   | PA0130-034                 |
| Coil spring 300mm long                    | 2x for SHM experiments     | PA0130-038A                |
| Coil spring 50mm long                     | 4x for lattice experiments | PA0130-038B                |
| Weights for gliders, 4x50g, 4x25g, 4x10g  | 12x slotted weights        | PA0130-042 – set 12        |
| Track inclination blocks                  | 1x set/4, mouldings        | PA0130-047 - set 4         |
| Spare pieces of 'velcro'                  | 2x grip & claw             | PA0130-076                 |
| This instruction booklet                  | 1x                         |                            |

#### MF0133-001 packed



#### MF0133-001 components



**Physical size:**

**Weight: kg**

This Operational Kit permits the Air Track to perform numerous experiments. The kit is the same for both 2.0 and 2.5M Linear Air tracks.

Designed and manufactured in Australia by Industrial Equipment and Control Pty Ltd

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**OPTIONAL KITS:**

**SUB BASE KIT FOR WHEN SPECIAL STRAIGHTNESS IS REQUIRED:**

| COMPONENT                          | 2.0M | 2.5M | IEC Catalogue No:     |
|------------------------------------|------|------|-----------------------|
| Sub base for 2.0m track & kit, new | 1x   |      | MF0106-301 (optional) |
| Sub base for 2.5m track & kit, new |      | 1x   | MF0104-301 (optional) |
| Adj. stud with moulded head        | 10x  | 12x  | PA0130-015 each       |
| Adjustment knob                    | 10x  | 12x  | PA0130-0              |

**BOOSTER OPERATIONAL KIT MF0136-101**

**USED TO EXTEND THE STANDARD KIT FOR MORE FUNCTIONS:**

| COMPONENT                           | all Air Tracks             | IEC Catalogue No:     |
|-------------------------------------|----------------------------|-----------------------|
| Glider 200mm long                   | 1x                         | PA0130-024 black/gold |
| Glider 100mm long                   | 1x                         | PA0130-025 black/gold |
| Spring buffer with moulding         | 4x bumpers for gliders     | PA0130-075            |
| Attachment block with 'velcro'      | 2pr that hold together     | PA0130-073            |
| Magnet for glider                   | 2x each weighs 50g         | PA0130-031            |
| Compensating wt (for 200g glider)   | 1x                         | PA0130-044/45 set     |
| Coil spring 300mm long              | 2x                         | PA0130-038A           |
| Coil spring 50mm long               | 4x                         | PA0130-038B           |
| Felt lined glider (to divide track) | 1x divides track into two  | PA0130-048            |
| Cast Iron stop block                | 1x weight rests on glider  | PA0130-049            |
| Screw & nut for stop block          | 1x attach weight to glider | PA0130-050            |

**MINI VARIABLE SPEED AIR SOURCE TO OPERATE ANY AIR TRACK:**

|                        |    |            |
|------------------------|----|------------|
| Air source & hose 240V | 1x | LB0115-002 |
|------------------------|----|------------|

**OPTIONS FOR MEASURING EXPERIMENTS:**

**PHOTOGATE KIT. COMPONENTS FOR SPEED MEASUREMENT. MF0137-101:**

|                           |    |                       |
|---------------------------|----|-----------------------|
| Photogate kit for timing. | 2x | MF0135-101            |
| Mount directly to track   |    | 2x gates & all cables |

**ADDITIONAL EQUIPMENT FOR PHOTOGATE RECORDING (extra):**

|  |    |            |
|--|----|------------|
| Timer, LCD, Digital, for gates, with 20 level memory. Battery. | 1x | LB4057-001 |
|--|----|------------|

**OR.....**

|  |    |   |
|--|----|---|
| Timer, LED, Digital, for gates, with 20 level memory. 240V.AC.Mains. | 1x | LB4064-101<br>With 2,6,12V AC power for gates |
|--|----|---|

**SPARK RECORDING KIT. PARTS FOR SPEED MEASUREMENT:**

**MF0107-401 (2m) MF0105-401 (2.5m)**

|                             | 2M unit | 2.5M unit |                 |
|-----------------------------|---------|-----------|-----------------|
| Spark pen (left)            | 1x      | 1x        | PA0130-029      |
| Spark pen (right)           | 1x      | 1x        | PA0130-030      |
| Black recording tape (roll) | 1x      | 1x        | PA0117-001 10m  |
| White recording tape (roll) | 1x      | 1x        | PA0116-001 180m |
| Spark track 2m long         | 1x      |           | PA0130-063      |
| Spark track 2.5m long       |         | 1x        | PA0130-062      |
| Spark track 3.7m long       |         |           | PA0130-061      |

**ADDITIONAL EQUIPMENT FOR SPARK RECORDING (extra):**

|                            |    |                                     |
|----------------------------|----|-------------------------------------|
| Spark generator & cables.  | 1x | LB0118-001 complete with all cables |
| Incl. the following parts: |    |                                     |
| High voltage cables (pair) | 1x | PA0130-059 pair                     |
| Earth cable                | 1x | PA0130-060                          |
| Remote control cable       | 1x | PA0130-058                          |

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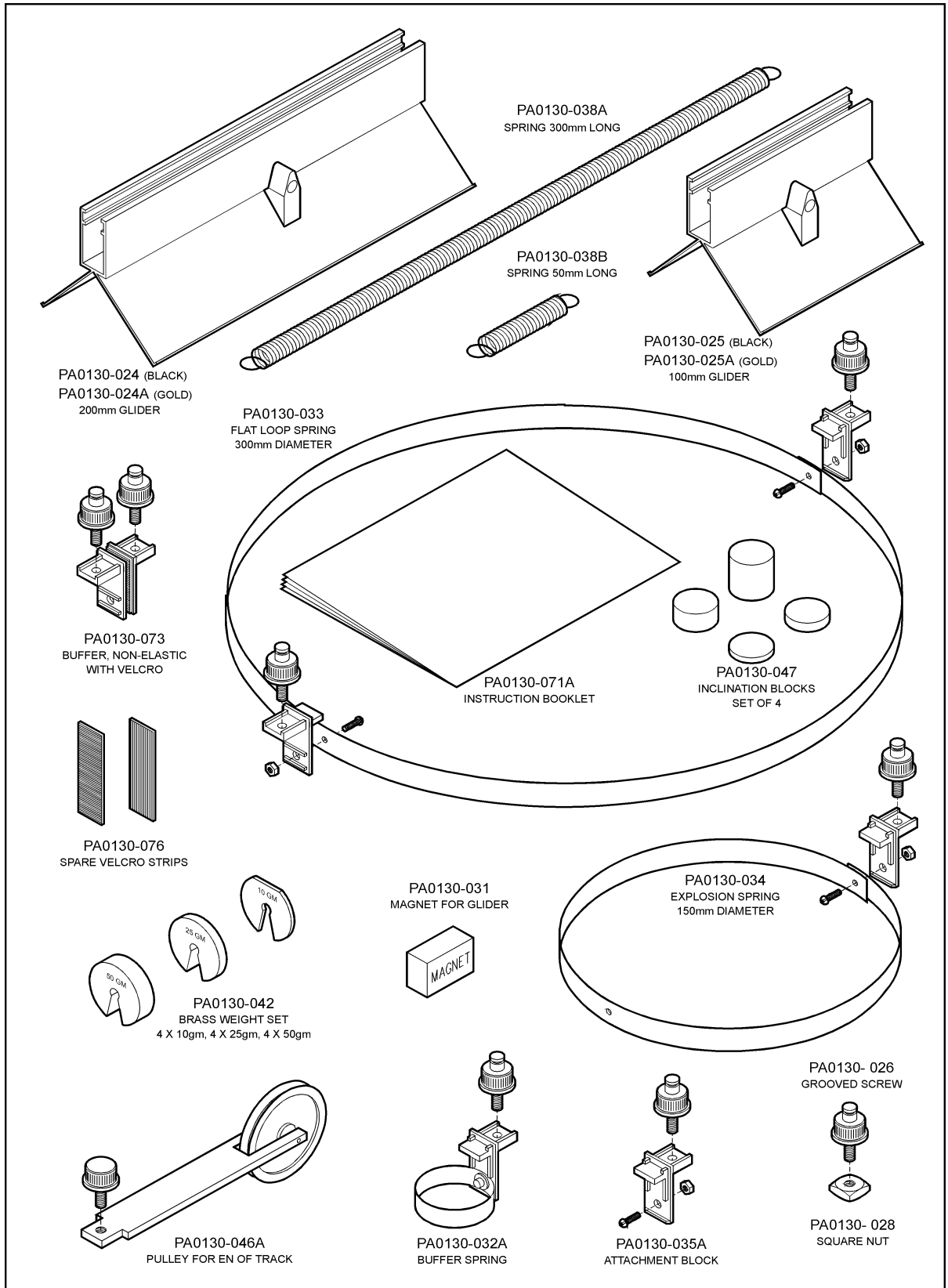
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