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OPITEC
Shop



EDUCATIONAL SUPPLIES CATALOGUE

Bringing ideas to life. Everything for creative hobbyists and education professionals Optic's exciting and innovative product range, one of Europe's largest education supplies distributors, is now available in the UK.

All Prices included VAT

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All Prices are subject to change without notice.

Please see our website for up to date prices.



Medium Torque Motors.

1.5 - 4.5 V, weight 28 gm, ϕ 24 mm, 27mm long x 2mm shaft

224046 Pack of 10 **6.49**



High Torque Motor RE 280

1,5 - 4,5 V, Weight 42 gm, ϕ 24 mm, 30 mm long, ϕ 2 mm shaft

224057 Each **0.99**



High Torque Twin Shaft Motor

30mm long with 2mm shaft

224213 Each **0.99**



Motor R20/RE 140

Pack of 10

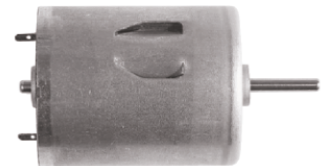
224024 Pack of 10 **7.99**



Motor FA-130RA

1,5 - 3,0V DC, weight approx. 15 g, ϕ 20 mm, 25 mm long, wave ϕ 2 mm, value (without load): 1,5V - 9100 U/min - 200 mA, 3 V - 16400 U-min - 230 mA.

209644 Each **0.89**



Solar Motor RF 270

With solder tabs ϕ 24 x 30 mm, 1,5 V - 4500 rpm - 100 mA, shaft ϕ 2 mm, 0,45 - 2 V, in neutral 0,5 V - 1430 rpm.

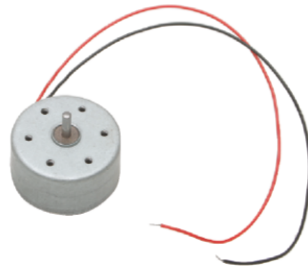
202664 Each **1.79**



Solar Motor-RF 500

High-performance solar motor with connecting leads, ϕ 32 mm, 33.5 mm long, shaft ϕ 2 mm, weight 45 g. Current max. 0.02 - 0.45 A, 0.5 V - 6 V, idle 2 V - 1900 rpm.

210418 Each **1.19**



Solar Motor RF 300

Starting current only 21 mA, 3-9V DC, ϕ 24 mm, shaft ϕ 2 mm, output (less load): 2 V - 511rpm - 0042.

224165 Pack of 10 **7.99**

224154 Each **1.29**

For
Further items
visit our
webshop



Motor Mounts

Self adhesive motor mounts

19000 Pack of 10 **2.35**

99106 Pack of 100 **19.99**



Motor Holder

Robust motor holder 24 mm internal diameter. Base size 30 x 30 mm. Height 41 mm, Height of motor shaft 26 mm.

109173 Each **0.69**



Motor Clips

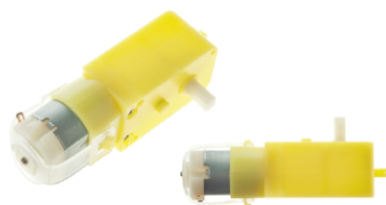
For motor R21, RE280, RF270, RE300, RF300, Each

225074 Medium Torque motor **0.19**

225096 High Torque motor **0.19**

Gearboxes & Motors

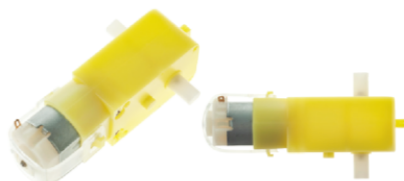
Low Cost 3V (6volt) max Motorised Gearboxes.
Available in various gear ratios of 120:1 & 200:1



Gear Motor Single Shaft

One output, shaft 5.5 mm with 2mm bore,
Reduction ratio 120:1
Voltage: 3 - 6V
Size: approx. 75 x 28 x 22 mm, housing
with 3 mounting holes 3 mm, Each

213704	Ratio 120:1	1.69
213715	Ratio 220:1	1.69



Gear Motor Twin Shaft

Straight, twin drives, shaft 5.5 mm
with 2mm bore, Reduction ratio 120:1
Voltage: 3 - 6V
Size: approx. 75 x 28 x 22 mm,
housing with 3 mounting holes 3 mm, Each

213726	Ratio 120:1	1.69
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Gear Motor Perp. Single Shaft

Angled, one output, shaft 5,5 mm with 2 mm
bore, Reduction ratio 120:1. Voltage: 3 - 6V
Size: approx. 54 x 50 x 23 mm,
housing with 2 mounting holes 2,6 mm, Each

213737	Ratio 120:1	1.69
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Gear Motor Perp. Twin Shaft

Angled, two drives, shaft 5.5 mm with 2mm
bore, Reduction ratio 120:1
Voltage: 3 - 6V
Size: approx. 54 x 50 x 23 mm, housing
with 2 mounting holes 2.6 mm, Each

213748	Ratio 120:1	1.69
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Inline Motor Adaptor

Adaptor to fit our range of inline motors,
Each

18000	3 mm Axle	0.69
18001	4 mm Axle	0.69

Precision Fit Plastic Pulleys

Made to fit our range of in line motors.
Pack of 10

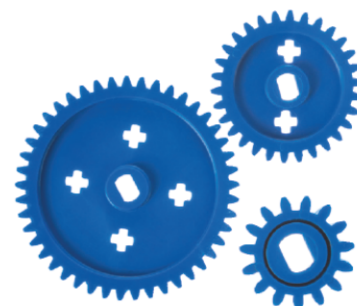
816108	ø 18/11 mm	4.69
816120	ø 30/23 mm	4.99



Metal Motor Bracket

To suit Inline motor, Each

18007		0.99
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Precision Fit Plastic Gear

Gears to Fit our range of our geared In line
motors, Pack of 10

816131	ø 17 mm, 15 teeth	4.79
819450	ø 21,5 mm, 20 teeth	5.39
816142	ø 32 mm, 30 teeth	5.59
816153	ø 47 mm, 45 teeth	6.49



Inline Motor Bracket

Designed to fit our range of inline motors.

18002	Each	1.29
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Gear Set

To fit inline motors. 15 , 22, 32 & 40mm,
new improved Design

18004	Per Set	0.89
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Pneumatic Tyres on Rim

ø 70 mm, 27 mm wide, receptacle: flattened
round hole suitable for our range of Inline
motors. Each

815560	Yellow	1.49
21000	Red	1.49
21001	Blue	1.49



Inline Motors Shaft

Inline motors that are prewired. The motors are fitted with both a red and black lead. Single Shaft, Each

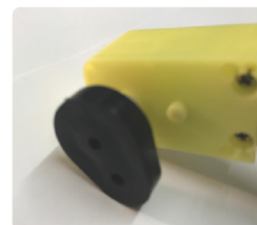
45030	110:1	1.69
45031	200:1	1.69



Value Inline Motor Holders

Pack of 10

45032	5.29
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Cam Modified to Fit Motor

Each

46909	1.09
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MFA Como Drill Motors



918D Red Cap Motor

Miniature gearbox with quality brass gears is Mounted in a steel bracket, Each

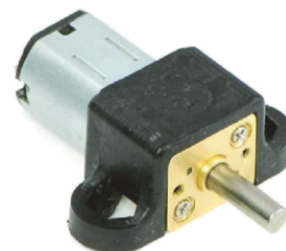
45001	30:1	12.49
45002	100:1	12.49
45003	250:1	12.49



951D Miniature Geared Motor

Metal Spur geared motor ideal for sub miniature applications. Complete with 3 pole motor, Each

45004	60:1	9.99
45005	102:1	9.99
45006	150:1	9.99
45007	298:1	9.99



New Miniature Gear Motor Holder

Each

45008	1.09
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Brass Couplings

20mm long, Each

45053	2-3mm	2.39
45051	3-4mm	2.39
45052	4-4mm	2.39



Anodised Aluminium

Coupling for M4 threaded, bar or M4 screws, Each

45050	20mm long .	2.39
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Servo Motors & Buzzers



Micro Servo

Torque 2.5
Voltage: 3.0 to 7.2 v - Optimal 4.8v
Speed 60/0.1 degree/sec
(@4.8v)
Dead Band width 10us
weight: 9g
Size: 23.00mm x 12.20mm
x 27.00mm, Each

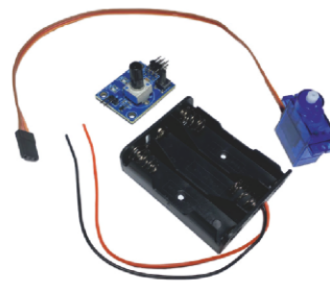
2565	180°	5.99
2589	360°	7.29



Clippable Micro Servo 180°

Fitted with crocodile clips. Rated 4.8v-6V
Ideal for use with micro:bit. Each

25105	7.29
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New Servo Control Board Kit

Control Board, 180 degree servomotor and battery pack. Operated by a single-chip microcomputer which has three control modes: manual, automatic and centre return mode. It is operated switch by pressing the push button. The blue status light also changes when the function is switched. It has anti reverse connection function.

10851	8.29
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Micro Servo with Crumbliser

A custom crumbliser is included so you can connect the servo to a crumble with croc leads. Each

14004	8.99
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Servo Motor

Weight: 34g
Torque: 56.9 oz-in (at 6v)
Speed: 0.16 sec/60degrees(at6v)
Size: 55x20x45mm. Each

22001	14.39
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Fan 5 Volt

5 V/DC, 11,8 m3/h, 27 dB(A),
40 x 40 x 10 mm. Each

208361	3.59
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Buzzer (2-4 V)

Rectangular design 20mA 30x20mm,

215077	Each	1.19
215108	Pack of 10	9.59



Magnetic Piezo Buzzer

Buzzer for loud sustained sound. 1.5-24V. Ideal for alarms.
Each

210692	Each	1.59
211045	Pack of 10	14.29



Magnetic Pulsating Buzzer

Magnetic 1-3 DC, 2800 Hz,
70 dBA/30 cm, ø 28 mm, with terminal protection.
Each

215055	1.99
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Electric Gear, Wind-up Gear & Friction Motors

1



2



1 | Universal Gearbox with Engine

Size: approx. 36 x 38 x 26 mm with 120 mm cable, Each

807439 6.29

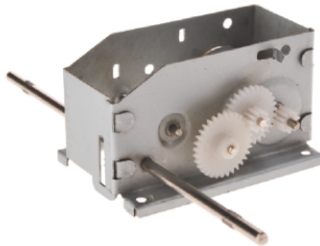
2 | Solar Gear RF 300

Contents: solar motor RF 300, PVC-gears, \varnothing 2 mm shaft and housing.

Size (without motor): \varnothing 36 x 15 mm. Each

124166 3.59

Type	Article N°	Revolutions in Rpm from	Revolutions in Rpm to	Gear Stages	Transmission ratio Up to	Voltage Range
Universal gearboxes	807439	2,5	720	4	243:1	0,3 - 6 V
Solar gears	124166	25	720	2	27:1	0,3 - 6 V

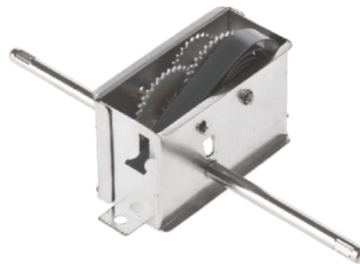


Gear Motor in Metal Housing

Gear reduction 1 : 118, high torque, recommended voltage 1,5 - 4,5 V, versatile use, 4 screws needed for mounting box frame.

Size: 58 x 40 x 33 mm, axle: \varnothing 3 x 120 mm, at 4,5 V approx. 160 rpm.

207424 Each 2.99

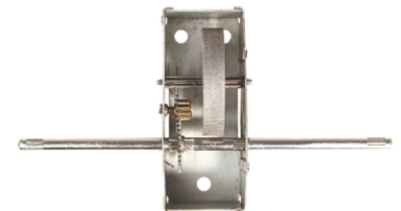


Clockwork Motor

Gearbox with spring action. In galvanized steel housing with metal gears. Ideal for placing in your own model car, size up to 250 mm long. Drive axle \varnothing 4 x 110 mm for mounting wheels.

Housing Size: 60,5 x 23 x 30 mm

205639 Each 3.19

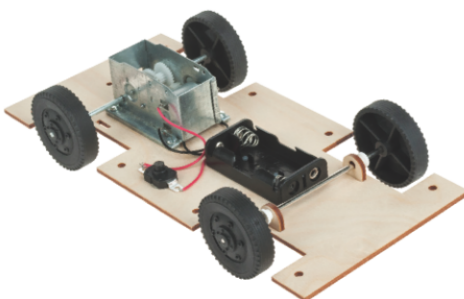


Friction Motor

Made from metal with 3 flywheel and 2 fixing holes.

Housing Size: approx. 58 x 24 x 20 mm, axle: \varnothing 4 x 110 mm, Each

224127 Each 2.99



Vehicle Base Plate with Electric Gear Motor

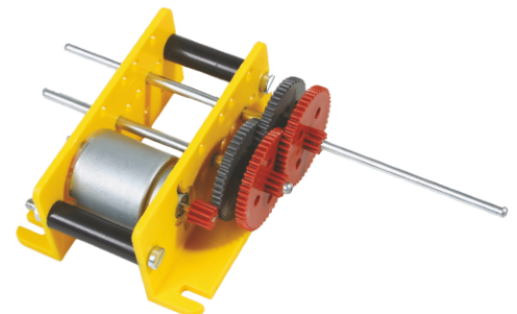
118831 Each 6.09



Clunk-Click Gearbox

Complete Gearbox with 3mm shaft, holder & motor.

19001 Each 3.59



Motor & Gear Box in Kit Form

Approx. 350 - 500 mA, voltage 1.5 - 4.5v.

224105 Each 2.89



Double Cogwheel Module 0,5

3mm & 4mm Axle.

Each	Gear Size	Teeth	Axle	
840103	15 mm	13	3 mm	1.29
840125	20 mm	18	3 mm	1.49
840147	40 mm	38	3 mm	1.79
840169	60 mm	58	3 mm	2.09
840022	15 mm	13	4 mm	1.29
840044	20 mm	18	4 mm	1.49
840066	40 mm	38	4 mm	1.79
840088	60 mm	58	4 mm	2.09

Heavy Duty Gears with Metal Hub

4mm Axle. Each

	Gear Size	Teeth	Axle	
24002	10 mm	10	4 mm	0.99
24003	14 mm	13	4 mm	1.09
24004	20 mm	18	4 mm	1.29
24005	26 mm	23	4 mm	1.49
24006	30 mm	28	4 mm	1.69
24007	40 mm	38	4 mm	1.89
24008	60 mm	58	4 mm	2.39



1 Bevel Gear, with Brass Hub
25mm Diam, Each

24013 **1.39**

2 Bevel Gear

18 mm, Pack of 10

1481 **4.79**



Double Gear Module

Bore 2.99 mm. Pack of 10

Pack of 10	Gear	Teeth Size	
841016	30 mm	10	0.89
841027	50 mm	10	1.09
Bore 3 mm			
841038	30 mm	40	0.89
841049	50 mm	50	1.09

PVC Gears

Bore 4 mm.

Pack of 10	Gear	Teeth Size	
841187	12 mm	10	1.69
841198	22 mm	20	2.09
841202	31 mm	30	2.39
841213	40 mm	40	2.69
841224	51 mm	50	2.99



PVC Bevel Cogwheel Module 1

PVC Bevel gears, Pack of 10 (3 mm hole)

840181 **3.49**



Motor Pinion

Bore ϕ 1.9mm 10 teeth, Pack of 10

841050 **0.79**



PVC Racks Module 1

Pack of 10

24014 50 x 6 x 6 mm **2.99**
840206 100 mm **7.29**

Black Plastic Worm Gear

for 4mm Shafts, Pack of 10

24012 **7.69**

Ladder Chain

Ideal for heavy duty gears.
Price per mtr

815548 **3.89**

Drive Belts

Pack of 5

24015 60 mm **2.19**
24016 90 mm **2.69**



Plastic Pulleys

Axle hole \varnothing 4 mm.
Pack of 10.

801433	14 MM	1.79
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Plastic Pulleys

\varnothing 2mm shaft.
Size \varnothing 8mm x 10mm, Pack of 10

809660	3.09
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Pulley

Precision Plastic Pulleys to fit our range of line motors, Axle Inline, Pack of 10.

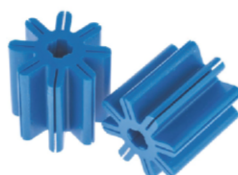
Code	Size	
816108	18 MM	4.69
816120	30 MM	4.99



Heavy Duty Pulleys

with Brass Hub, Axle hole \varnothing 4mm. Each

	Gear Size	
24009	20mm	1.09
24010	40mm	1.39
24011	60mm	1.79



Motor Pinion

You can glue foil into the 0.3 mm slots and then use it as a paddle wheel, for example.
Size: approx. \varnothing 20 mm, hole 4 mm, material thickness 20 mm, Pack of 10.

814748	4.29
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Beech Wood Pulley

With 4 mm hole, Pack of 10

601065	\varnothing 15 mm, 7,5 mm	0.89
601076	\varnothing 20 mm, 10 mm	0.99
601087	\varnothing 30 mm, 10 mm	1.49
601098	\varnothing 40 mm, 10 mm	2.09
601102	\varnothing 50 mm, 10 mm	3.09
601113	\varnothing 60 mm, 15 mm	3.29



Metal Pulleys with Grubscrew

3mm shaft, Each

819026	1.49
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Metal Pulleys

2mm shaft, Pack of 10

819015	2.99
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Pulley

Axle 4 mm, Pack of 10.

Code	Size	
814690	18mm	3.59
814726	30mm	3.79
814704	40mm	3.99



Pulley

\varnothing 47, Each

204507	Single	2.29
204518	Double	2.99



Bearings

10mm diam for 4mm Shaft

801765	Each	1.29
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22mm diam for 8mm Shaft

808900	Each	1.59
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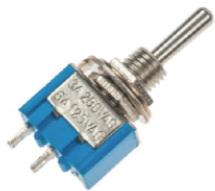
Reducers

Pack of 10

842022	4/2mm	0.89
842622	4/3mm	0.79

Switches

Toggle Switches



Miniature Toggle Switch

1 UM, 2A/250VC, On-Off,
Pack of 10

209943 4.99



Miniature Toggle Switch

On-Off-On, Pack of 10

212236 5.79



DPDT Miniature Toggle Switch

Centre Off, Pack of 10

201691 5.79

Pre wired Connection wires
can be connected to our
Switches & Avoid Soldering



Pre Wired Spade Clips

Pack of 50

99000 16.99

Push Button & lever Switches



Roller Lever Micro Switch

1 UM, max. 5 A250 V, 50 g, restoring force 6
g, lever travel. 4 mm, 19.5 x 6 x 10 mm

214803 Pack of 10 5.19



Rocket Switch

Pack of 10

209909 Rectangle 15x10.5 mm 3.99

209832 Circle ø16.3 mm 3.99



Push to Make Switch

Pack of 10

213011 3.49



Paddle Lever Micro Switch

max. 250V-5A, switch, 50 g, return 6 g, lever
movement ca. 4 mm.
Size: 19,5 x 6 x 10 mm. Pack of 10

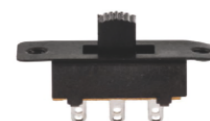
212292 5.99



Push Switch

Push switch On/Off,
Size: 21 x 12 x 30 mm. Pack of 10

212016 4.39



Miniature Slide Switch

28 mm between holes. 36x13mm

209921 Pack of 10 4.79



Push Switch in White Casing

Working contact "push on",
push button white or red, holes
suitable for HO plug.
Pack of 10.

213055 5.89



Toggle Switch in White Casing

On/off, toggle switch, holes
suitable for HO plug.
Pack of 10

212038 5.89



Miniature Plug with Hole
 ø 2,6 mm with crossed slit and hole, Pack of 10.

218038 2.99



Miniature Coupling
 ø 2,6 mm Pack of 10.

218049 2.99



HO Socket
 ø 2,6 mm Pack of 10.

218061 4.99



Model Extension Cable
 0,6m length. Each

200868 2.49



Lighting Set E10
 With HO plug, Bulb holder + 1x bulb red, 1 x bulb clear

200846 3.49



HO - Double Plugs
 ø 2,6 mm Pack of 3.

201174 2.39



HO - Double Connectors
 ø 2,6 mm Pack of 3.

201185 2.59



Adapter Block HO
 5 x connection for HO plugs, power cable: 420 mm.

201196 3.29



Banana Plug with Hole
 ø 4,0mm with grub screw. Pack of 10

219022 3.39



Telephone Socket
 Insulated cap, to fit the plug ø 4 mm, M6 thread. Pack of 10

219055 3.39



Telephone Socket
 Socket with soldering insert, matching plugs ø 4,0 mm, M6 thread. Pack of 10

219044 3.69



Spade End Cable Connectors
 6,3 mm, red, 0,5 - 1,0 mm², Insolated, Pack of 10.

221041 1.19

Suitable for 4.5 V, batterie 6.3 mm, Pack of 10.

202468 0.89



Crocodile Clips
 Insulated, with grub screw, Pack of 10.

220024 1.79



Crocodile Clips
 50 mm, clip: 25 mm, Suitable for wire connection, Pack of 10.

220013 1.99



Crocodile Clips
 32 mm, metal, silver-coloured, Pack of 50.

476780 4.99

Bulbs, Sockets & Holders



Light Emitting Diode 8 mm E10 thread

4,5 - 5,5 V. Clear, Red, Yellow, Blue, Green.
Pack of 10

215555	8400 mcd, Clear	6.49
215566	7000 mcd, Blue	6.49
215577	7000 mcd, Green	6.49
215588	1000 mcd, Yellow	6.49
215599	4200 mcd, Red	6.49



Duo Flashing LEDs

Voltage 3.0 - 3.3 V. 20 mA. Pack of 10

214711	Yellow / Blue(5 mm)	3.99
214722	Green / Yellow	3.99
214685	Red / Blue	3.99
214700	Red / Yellow	3.99
214696	Red / Green	3.99



Flashing Light Emitting Diode 8 mm

4,5 - 5,5 V. 20 mA Clear, Red, Yellow, Blue, Green. Pack of 10

215485	Rainbow	6.99
215474	White	6.99
215463	Red	6.99
215452	Yellow	6.99
215441	Green	6.99
215430	Blue	6.99

LED Holders

Pack 10



LED Socket 5mm with Thread/Nut

Black, plastic, Pack of 10

209954	0.59
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Pack 10



LED Holder, 3 mm

Stuck-sleeve, black plastic, Pack of 10

209965	0.49
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Pack 10



LED Holder

Casing and ring, 5mm, black, Pack of 10

200145	0.49
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Mes Bulbs



E10 Sockets

With 2 solder connections, to fit bulbs with E 10 thread.

200075	Pack of 10	2.49
200086	Pack of 100	21.95



Bulb Holder in Plastic Casting

MES bulb holders black

200053	Pack of 10	3.19
200064	Pack of 100	26.99

Pack 10



Bulbs E10

Pack of 10

202053	Clear	2,5 V-0,2 A	1.69
202064	Clear	6,0 V-0,1 A	1.79
203014	Red	3,5V	4.39
203036	Yellow	3,5V	4.39



Circuit Board E10 Socket

For lamps with thread,
Pack of 10

200112	2.29
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E10 Socket

Extended base, Pack of 10

200042	3.29
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Reflector

Pack of 10

201680	ø40mm	5.29
201625	ø24mm	4.19



LED Lamp

Flexible 420mm. 5V, Each

207642	1.99
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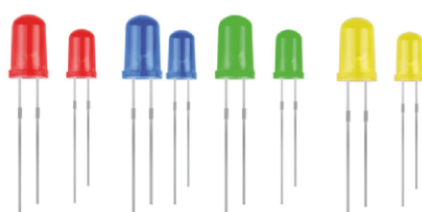
2

ø 3 mm



3

ø 5 mm



4



5

ø 5 mm



6

ø 5 mm

7

ø 10 mm



1| LED 5 mm Ultra Bright

Transparent housing, working voltage 2,9 - 3,6 V, 20 mA, 40000 mcd. Pack of 10

205374 White **0.89**

Working voltage 1,9 - 2,3 V, 20 mA, 16000 mcd

205215 Red **0.89**

Working voltage 1,9 - 2,3 V, 20 mA, 18000 mcd

205237 Yellow **0.89**

Working voltage 3,0 - 3,6 V, 20 mA, brightness 18000 mcd.

205226 Green **0.89**

Working voltage 1,9 - 2,3 V, 20 mA, 18000 mcd

205204 Blue **0.89**

2| Light Emitting Diode (LED) 3 mm

Voltage 1,8 - 2,4 V Light 20 mcd. Pack of 100

23000 Red **5.89**

23001 Yellow **5.89**

23002 Green **5.89**

3| Light Emitting Diode (LED) 5 mm

Circuit voltage 1,8 - 2,4 V, 20 mA, light 20 mcd. Pack of 100

23003 Red **4.79**

23004 Yellow **4.79**

23005 Green **4.79**

23006 Blue **4.79**

4| Flashing-LED

Pack of 50

23007 Red, 220 mcd **8.19**

23008 Yellow, 220 mcd **8.19**

23009 Green, 750 mcd **8.19**

23010 Blue, 500 mcd **8.19**

5| Candlelight-LED, 5 mm

Flickering light, yellow, clear housing
Operating voltage: 3-3.6 V, Light intensity: 5800 mcd, Each

208590 **0.49**

6| Rainbow-LED, 5mm

LED with changing colours.
Circuit voltage: 3,8 - 5,0 V, 20 mA, Pack of 10

204172 Quick **1.69**

204194 Slow **1.69**

7| Rainbow-LED 10mm, Slow Changeover

The colours are orange, yellow, green, cyan, pink. Operating voltage 3,8 - 5 V, 20 mA, Light intensity up to 3000 mcd. Pack of 10

213760 **4.79**

Pack of 10



SMD LED

SMD-LED, 3 V, 30 mA, 2500 mcd, white, self-adhesive, for indoor use only, poles marked, Pack of 10

118750 **2.29**



LED-Tape, Self-Adhesive

LED Tape, 500 mm, 60 SMD-LED, 3V, 1,2A, white, self-adhesive, only for indoor use. Tape can be cut every 3 LEDs (3V, 180mA), Each

116024 Clear **4.59**

23011 Red **6.39**

23012 Green **6.39**

23013 Blue **6.39**

Voltage 1,8 - 2,4 V Light intensity 20 mcd.
Always use a resistor in conjunction with a LED!

Voltage	Resistor
4,5V	130R
6V	180R
9V	390R
12V	510R
24V	1,2K



1| Resistors

Carbon layer, 1/4 Watt, 5 % tolerance. Pack of 10

231130	10 Ohm	0.39
231196	33 Ohm	0.39
231211	47 Ohm	0.39
231233	68 Ohm	0.39
231277	100 Ohm	0.39
231255	120 Ohm	0.39
231299	150 Ohm	0.39
231314	220 Ohm	0.39
231336	330 Ohm	0.39
231358	470 Ohm	0.39
231369	560 Ohm	0.39
231370	680 Ohm	0.39

2| Potentiometre

Central mounting, shaft 6 mm ϕ , encapsulated, max. 0.4 Watt, 10% tolerance. Each

207789	1MOhm	2.29
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3| Fully Enclosed Potentiometres

These potentiometres are very stable due to a double wiper and bearings. 2,5 - 5 mm, vertical format. Pack of 10

238043	5,0 kOhm	4.29
238021	1 kOhm	4.79
238054	10 kOhm	4.59
238065	50 kOhm	4.59
238076	100 kOhm	4.59
238087	1 MOhm	5.99

4| Electrolytic Capacitors

Upright, minus pole identified with arrow, 16 Volt. Pack of 10.

235026	2,2 μ F	0.39
235048	10 μ F	0.39
235059	22 μ F	0.39
235060	47 μ F	0.39
235071	100 μ F	0.39
235082	220 μ F	0.59
235093	470 μ F	0.79
235107	1000 μ F	1.29

5| Photo Resistor GL7516

LDR 07 similar, ϕ 7 mm, 5-10 kOhm, Pack of 10

232032	0.39
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6| Photo Resistor

ϕ 5,0 mm, 10-20 kOhm, Each

232021	0.39
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7| Silicium Diodes

Performance diode, 1 Ampere, Pack of 10

237015	1 N 4001	0.49
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8| Silicium Diodes

200 mA - 75 V, Pack of 10

237059	N 4148	0.49
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9| PNP Transistor BC 5.

Replaces BC 328, Pack of 10

233129	3.59
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10| NPN Darlington - Transistor

BC 517, Pack of 10

202000	3.89
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11| NPN Transistor

Pack of 10

233059	BC 547	2.95
233060	BC 548	2.95

12| Reed Switches

Miniature reed switch in glass body, 14 mm long. Suitable for switching voltages in the low voltage range, Pack of 10

204161	4.89
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BATTERY CLIPS



PP3 Battery Clips

207058	Each	0.12
25000	Pack of 100	10.79



9V Battery Holder with Leads

201923	Each	0.59
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1 x AA Battery Holder with Leads

207653	Each	0.39
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4 x AA Battery Holder without Leads

206031	Each	0.59
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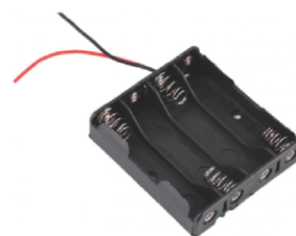


2 x AA Battery Holder Side by Side with Leads

206197	Each	0.39
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2xAAA Battery Holder

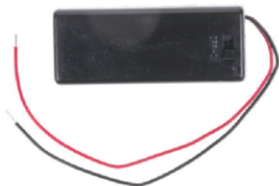
214021	Each	0.49
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4 x AA Battery Holder with Leads

25001	Each	0.69
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BATTERY BOXES



2 x AAA Switched Battery Box

211838	Each	0.49
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3 x AAA Switched Battery Box

211849	Each	0.59
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2 x AA Switched Battery Box

209839	Each	0.49
--------	------	------

2 x AA Side by Side

213656	Each	0.39
--------	------	------



3 x AA Switched Battery Box

201853	Each	0.59
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9 Volt Battery

Alkaline Plus batteries 9V block, 0% mercury and 0% cadmium, Each.

214515	1.69
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Batteries

Mignon battery 1.5 V (AA), 0% mercury and 0% cadmium. Pack of 24

214456	AA	9.49
214467	AAA	9.49

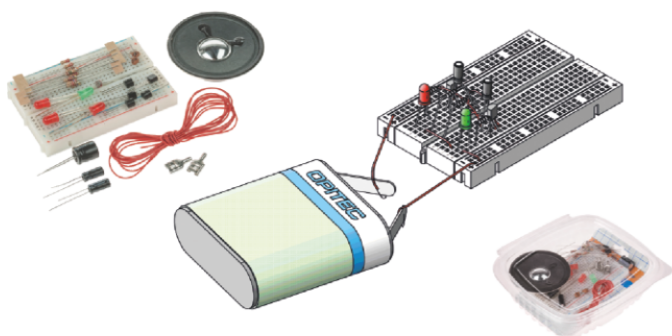


Varta High energy

Alkaline battery 1.5 V (AA), Mignon. Pack of 4

210533	AA	4.49
210544	AAA	4.49

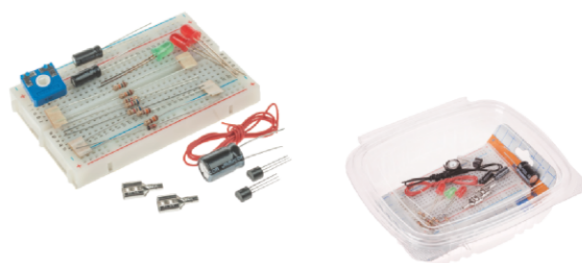
Electronic Kits



17 Basic Electronic Tests

17 experiments can be assembled and dismantled in seconds without soldering..

118381 **5.69**



LED - Resistor - Diode - Transistor - Capacitor

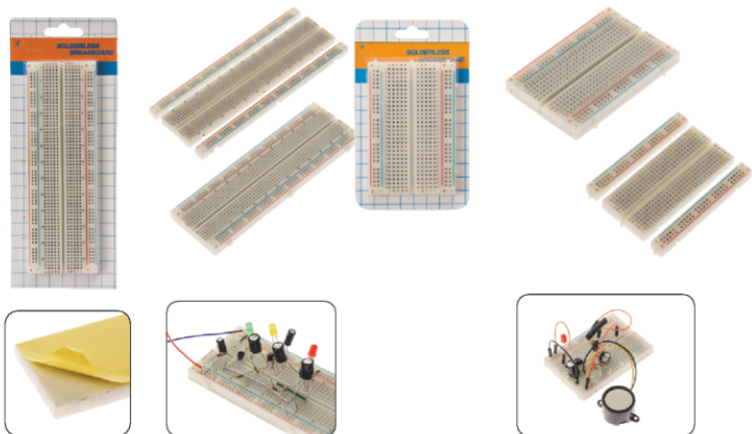
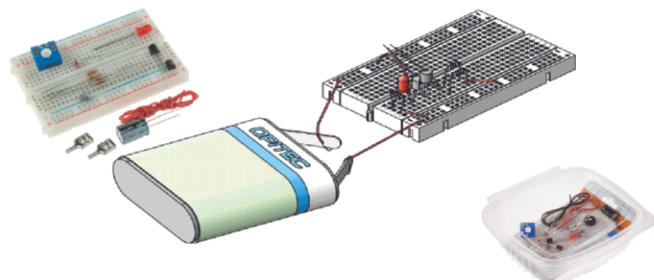
A complete set of components that can be easily assembled without soldering.

118392 **4.95**

Sensor Technology

This learning program introduces the most important sensor technology processes in theory and practice.

118406 **4.95**



Breadboard

Ideal for the easy assembling and disassembling of solderless electric and electronic circuits. Each

210968 83 x 55 x 9 mm **1.69**

210957 165 x 55 x 9 mm **2.79**



Breadboard Wiring

Perfect accessory for breadboards.

4 different lengths: 100 mm, 150 mm, 200 mm, 250 mm. 65 pieces

210980 **2.79**

Stripboard

For prototype and development work. Size approx 100x160 0.1" pitch to accommodate lcs. Each

241137 **3.59**



Plug-in Board Wire Bridges

The wire jumpers are adapted to the grid of the plug-in board and are ready for installation. The multi-coloured wire bridges are supplied in 14 different lengths in a range box. 140 pieces.

210979 **3.59**

Kit contains the following components:-

Crocodile leads
Bulbs and bulb holders
Buzzers
Battery holders
Push and bellpush switches
Magleads.

41004

58.95



Bumper Primary Electricity Kit

Contains over 250 components:-

Drawing pins, Paper clips, Fasteners, Nails and bolts.

Wire wool, Foil

Cork block

Cable ties

Motors

Pulleys

Bulbs and bulb holders

Buzzers

LEDs

Batteries, Battery holders, Battery snaps.

Potentiometer

8 different switches

Connecting leads, Electrical wire.

Automatic wire stripper/cutters, Screwdrivers and lots more.

Teachers notes included.

Supplied in a plastic carry box.

41000

101.99



Value Class Electricity Kit

reat value class kit. Contains the following :-Motors

Crocodile leads

Bulbs and bulb holders

Buzzers

Battery holders, Battery snaps

Potentiometer

6 different switches

Pulleys

LEDs

Cable ties

Wire

Automatic wire stripper/cutters, Screwdrivers

Teachers notes included.

Supplied in a plastic carry box.

41005

98.99

All prices Inc. VAT

Wire, Copper Strips



Wire with Crocodile Clips

Leads with crocodile clips, Pack of 10.

220079	440 mm	1.99
2407 Microbit	150 mm	3.59



Cable Assortment

10 rolls each 10 m in assorted colours.
Strand with PVC insulation. Pack of 10

203637	Single Strand 0,5/0,9 mm	12.99
203626	Stranded 0,14/1.1 mm	12.99



Stranded Equipment Wire

0.4 / 1.1 mm, 100 mtr. Coils. Each

40002	Red	10.39
40003	Blue	10.39
40004	Black	10.39
40005	Green	10.39
40006	Yellow	10.39

Equipment Wire

0.6 mm thick, single core 1/0.6 mm,
100 m. Coils. Each

40007	Red	10.39
40008	Blue	10.39
40009	Black	10.39
40010	Green	10.39
40011	Yellow	10.39



Heat-Shrink Tube

Black 10 m in mini Box, Each

40012	1.6 / 0.8 mm	9.69
40013	3.2 / 1.6 mm	9.69



Electrical Tape

Size: approx. 5 m x 18 mm, assortment
of colours. Each

308175	3.99
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Luster Terminal Strip

12 on a strip, transparent or white, Each

269027	ø 2,6 mm, 1,5 - 2,5 sqmm	0.89
208202	ø 4 mm, 2,5 - 4 sqmm	1.09



Shrink Tubes, Mix

100 Pieces of shrink wrap tube in as-
sorted colours and diametres. Length of
pieces. 60mm. Pack of 100

912675	6.09
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Cable Ties

Pack of 100

40014	100mm	White	1.39
40015	140mm	White	1.79
40016	200mm	White	2.99
40020	Cable tie Barrell 400pc assorted sizes		13.39

Cable Ties

Pack of 100

40017	100mm	Black	1.39
40018	140mm	Black	1.79
40019	200mm	Black	2.99

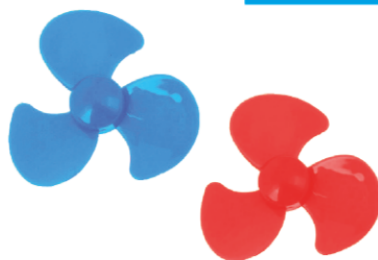




Fan

60 mm diam, 2 mm Shaft. Each

115947 **0.79**



Ships Propellers

Each

30001	ø30 mm	Red	0.35
30002	ø50 mm	Blue	0.45
30003	ø70 mm	Red	0.59



Propeller 3 Bladed

Suitable for 2 mm shaft
ø 115mm. Each

181457 **0.55**



Indoor Flight Propeller

ø 115mm. Each

102850 **2.89**



OPITEC Sircraft Propeller Construction Set

Suitable for 2 mm shaft, 120mm. Each

102135 **0.89**



OPITEC Sircraft Propeller Construction Set

Blade with screws M2x 6mm. Pack of 10

102157 **2.29**



Propeller Hub

Hole ø1.9mm, second hole ø2.9mm, Suitable for 2 or 3mm shaft .

102146 **1.59**



Motor Boat Engine

For 3V and 4.5V

103059 **2.99**



Led Shot

3mm, 50g

102249 **0.99**



Propeller-Set Wind Generator

Propeller-Set, white, dia. 210 mm, hole 2 mm. Each

107377 **2.99**



Propeller Electrostar

Clockwise, 2 mm shaft, Size: approx. ø 130 mm. Each

102168 **0.79**



Original "Günter" rubber Motor

250mm long. Each

102179 **3.59**



Strips 2 x 10 Holes

Pack of 40

204585	7.75
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Strips 3 x 10 Holes

Pack of 40

204574	10.65
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A5 Sheets

Pack of 30

3333016	6.99
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Base

Pack of 30

3333020	4.99
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Bases

Pack of 30

3333021	6.99
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Mixed Pack of

Pack of 30

3333022	6.99
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Wheels

3333025	Assorted Pack of 180	9.99
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333324	ø 25 mm Pack of 120	4.99
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204529	ø 30 mm Pack of 100	4.89
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204530	ø 40 mm Pack of 100	6.49
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204541	ø 50 mm Pack of 100	7.39
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Cams & Pulleys

Assorted Pack of 45

3333026	9.99
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Reusable Rivets

Pack of 100

3333027	7.49
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Formula T Workshop Pack of

Builds 10 motorised race cars.
Pulley drives

3333033

55.95



Pneumatic Hoist Workshop Pack of

Builds 10 hoists

3333040

32.95



Disposable Syringe

Pack of 10

994592	5ml, ø 15mm	1.59
994606	10ml, ø 18 mm	1.99
994617	20ml, ø 22 mm	2.79
917954	50ml, ø 32 mm	4.99



PVC Hose 5mtrs

Each

994558	ø 6/4 mm	2.99
936259	ø 8/6 mm	3.49
955556	ø 4/1.3 mm	2.29



Silicone Hose 5mtrs

Each

936237	ø3/1 mm	7.99
936400	ø1.7/0.7 mm	9.99
936248	ø4/2 mm	8.99



Plastic Connector

Male, Pack of 10

955578 **1.79**



Plastic Connector

Female, Pack of 10

955589 **1.79**



Spring Steel Clamp

Each

225063	ø 14/17 mm	0.19
225074	ø 17/22 mm	0.19
225085	ø 23/27 mm	0.19
225096	ø 27/32 mm	0.19



Tap

3-Way Tap with Cap, Leur Lock Hole. Pack of 10

955567 **8.49**

Wheels



Plastic Wheels

ø 40mm, bore 4mm Pack of 100

807277 **22.99**



Rubberised Wheel

ø 40mm, bore 3mm Pack of 4

808789 **2.89**



Wooden Wheels

ø 70 mm, bore 7 mm. Each

601216 **1.59**



Pine Wooden Wheels

10 mm thickness. Pack of 10.

655478 15 mm **0.59**

655434 20 mm **0.69**

655445 30 mm **0.79**

655456 40 mm **1.29**

655457 50 mm **1.59**



Wooden Wheels with Tyres

Each

601021 33 mm, 11 mm **0.79**

601032 43 mm, 13 mm **0.99**

601043 53 mm, 15 mm **1.19**

601054 63 mm, 15 mm **1.79**



Welding Roads

Copper plated. Pack of 10

827713 4 x 500 mm **3.69£**

827218 3 x 500 mm **2.09£**

826718 2 x 500 mm **1.19£**



Beech Wood Wheels with Profile

4 mm axle hole unvarnished. Pack of 10

601168 20 mm, 8mm **1.49**

601179 30 mm, 11mm **1.79**

601180 40 mm, 13mm **2.09**

601191 50 mm, 15mm **2.89**

601205 60 mm, 15mm **3.69**



Beech Wood Wheels

With 4 mm hole, Pack of 10

601489 ø 20 mm, 6 mm **0.99**

601124 ø 30 mm, 8 mm **1.19**

601135 ø 40 mm, 10 mm **1.69**

601146 ø 50 mm, 10 mm **2.09**

601157 ø 60 mm, 10 mm **2.79**



Caterpillar Track

With ø 55 mm, circumference 175 mm, 12,5 mm wide

804925 Small **0.69**

ø 139 mm, circumference 455 mm, 34 mm wide

805068 Big **2.19**

Track size 360 mm Long x 30mm wide

21002 **1.19**

38mm diam that fits directly onto our range of on line motors.

21004 **1.09**

500 mm Long x 18 mm wide

21003 **2.09**

**1| Pneumatic Tyres on Rim**

ø 70 mm, 27 mm wide, receptacle: flattened round hole suitable for our range of Inline motors. Each

815560	Yellow	1.49
21000	Red	1.49
21001	Blue	1.49

2| Small Wheels

Small, ø 28 mm, 9 mm wide, holes ø 2 mm, With tread, Pack of 10

807200	3.59
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3| Tyres on Rim

Small, ø 21mm, 8 mm wide, hole 2 mm, Pack of 10

814782	3.69
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4| Tyres on Rim

Medium, ø 40 mm, 10 mm wide, hole 4 mm, with lateral cleat profiling, Pack of 10

816636	6.59
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5| Wheels

Small, ø 28mm, 16 mm wide, hole 3,8 mm, Pack of 10

814771	2.99
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6| Wheels with Wooden Rim

Medium, ø 35 mm, 13 mm wide, hole 4 mm, Pack of 10

814793	3.95
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7| Medium Wheel

Outer ø 45 mm, 10 mm wide, hole ø 2,6 mm, with tread, Pack of 10

844077	2.69
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8| Wheels

Medium
Outer ø 44 mm, 15 mm wide, hole ø 3,0 mm, thick tread on side, Pack of 10

844055	2.89
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9| Medium Wheels

Outer ø 51 mm, 16 mm wide, hole ø 2,6 mm, wide tread. Pack of 10

844099	3.99
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10| Big Wheels

Outer ø 56 mm, 15 mm wide, hole ø 4,0 mm, thick tread on side. Pack of 10

844114	4.49
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11| Tractor Wheels

Outer ø 61 mm, 15 mm wide, hole ø 4,0 mm, thick tread on bottom. Pack of 10

844136	5.99
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12| Giant Tractor Wheels

Outer ø 79 mm, 20 mm wide, hole ø 3,0 mm, lengthways grooves and thick tread on side, Each

844158	0.99
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13| Wheels

ø 37 mm, axle hole ø 2,9 mm, Pack of 10

802392	Black	2.29
844239	White	2.29

14| Grand Prix Wheels

Rims and tyres ø 43 mm, 30 mm wide, hole ø 4 mm. Pack of 10

804693	7.99
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Axles & Holders



Axles Rods Plain

Plain Axles, 150 mm Long Galvanised & Chamfered, Pack of 10

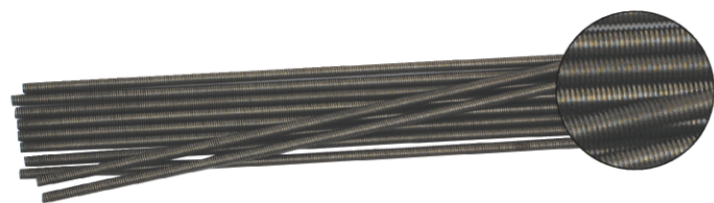
210186	3mm	2.49
210038	4mm	2.69



Axles Rods, Copper Plated

Pack of 10

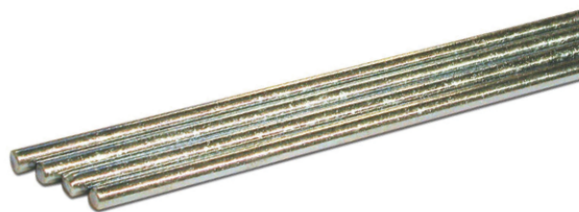
826718	ø 2 x 500 mm	3.69
827218	ø 3 x 500 mm	2.09
827713	ø 4 x 500 mm	1.19



Axles Rods Threaded

Threaded Axles ø 3 mm, 150 mm long, pack of 10

255097	3mm	2.59
255031	4mm	2.89



Easi-Bend Wire

Can be used to join materials by bending the ends at 90 degrees and inserting into the flutes across the diagonal. 3.2mm diameter aluminium. 1metre lengths. Packs of 10

24000	10.99
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Axle Brackets

New improved design including one chamfered side to allow Easy access of Axle. Design to hold a max. shaft of 5mm. Brackets is predrilled for 3 mm screw,

18005	Pack of 10	1.79
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Steering Pivot

For vehicle construction. Size: 4 mm shaft. Each

256070	1.09
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Universal Joint

Pack of 10

1431	12.95
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Plastic Coupling for 4mm Round Bar

Coupling has 2 holes suitable for m4 grub screws, Pack of 10

1403	2.79
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Grubscrews, m4x8, Per 10

24001	4.95
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Right Angle Fixings

Size 18 mm, 3 mm thick, Inner hole (oval) 4,35 mm. Material Polypropylene, Suitable M 4, Pack of 20

801307	2.59
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Car Seat

Pack of 10

1571	5.99
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For
Further items
visit our
webshop



Brass Tube

250 mm long, 0.5 mm wall thickness. Each

813613	approx ø 3	0.89
813624	approx ø 4	1.09
814113	approx ø 5	1.29
814618	approx ø 6	1.39
814900	approx ø 8	1.69

500mm long

813716	approx ø 3	1.69
813727	approx ø 4	1.89
814216	approx ø 5	2.39
814711	approx ø 6	2.99



Metal Axles

For mounting wheels and gears, galvanized, chamfered on both sides. Pack 10

256014	approx. ø 3 x 70 mm	1.09
256025	approx. ø 3 x 95 mm	1.69
256036	approx. ø 3 x 120 mm	1.99
210186	approx. ø 3 x 150 mm	2.19
210016	approx ø 4 x 95 mm	1.89
210027	approx. ø 4 x 120 mm	2.09
210038	approx. ø 4 x 150 mm	2.29



Tension Springs

0.3 mm, outside: ø 3.5 mm, 20mm long. Pack 10

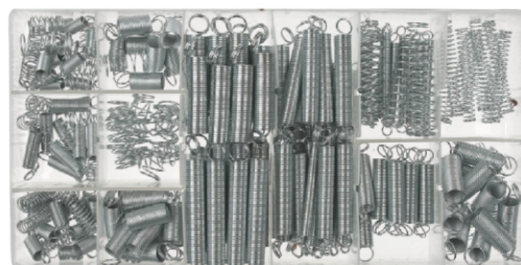
244095	1.99
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Brass Tube

250 mm long. Each

815118	approx ø 2	0.79
815510	approx ø 3	0.89
816113	approx ø 4	1.09
816515	approx ø 5	1.29



Spring Assortment

Tension and compression springs. Box 200 assorted

244017	8.99
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Oscillating Spring for Mobiles

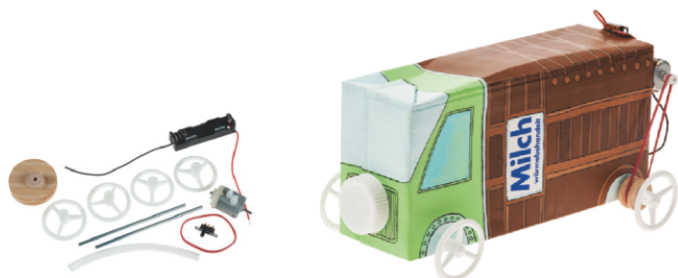
Suitable for objects weighing 70 - 250 g, Length x outer diameter x wire thickness 133 x 9 x 0.5 mm. Each

200309	0.89
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Recycling kits

New Exciting Projects to Encourage Students to Recycle Materials.

Using Everyday Items such as Water Bottles and Milk Cartons (Not included in Kits).

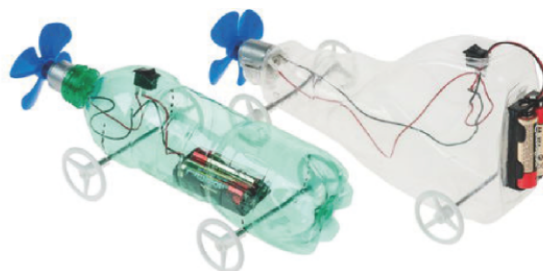


Recycling Car with Drive Belt

Construct a vehicle with a 1 AA Battery and a Drive Belt (Not included). No soldering required.

115268

2.59



Recycling Propeller Vehicle

Construct a propellor driven vehicle from a 500ml bottle. This is powered by 2 AA Batteries (Not included). No soldering required.

117570

2.59



Recycling Solar-Vehicle with Belt Drive

Construct a Recycling Solar-Vehicle with Belt Drive (Bottles not included). No soldering required.

117569

5.59



Solar Catermaran

Changing the position of the motor determines the direction of propulsion. Clear instructions and patterns (Bottles not included). Size: 190 x 220 x 130 mm. Set

111714

8.99



Recycling LED-Lamp

Make a LED-lamp out of a plastic bottle. A simple power circuit without soldering. 2 Mignon batteries(AA) are not included. Size: 120 x 120 x 275 mm. Set (Bottles not included).

117673

1.99

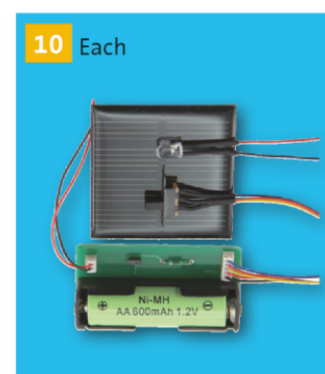
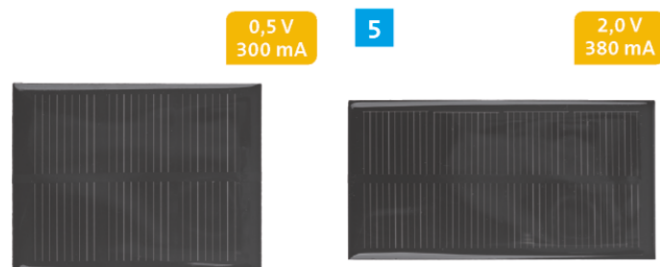


Recycling Rowing Boat

The rower is driven by a gear motor. Simple electric circuit also possible without soldering (Bottles not included).

122072

3.99



DIY How to do it:

"Solar cells with spring contact - simply ingenious/ ingeniously simple!" Thanks to new designed spring contacts consumers like motors can be connected with the solar modules of our EC-Series without the help of tools. Simply press the spring button, insert the cable, release the spring button and it's ready to use. Very easy to assemble and reliable. No drilling and soldering needed.



SOLAR CELL WITH CLASP

Poured (weatherproof and UV-resistant), high quality, shatterproof, with clasp on the back. All figures measured under solar exposure and cloudless sky.

120 x 60 x 4 mm, Each

117710

2V - 400 mA

10.99

1-5| Solar Cells

High quality premium cells. Moulded case (waterproof & UV proof) shatterproof with screw fixings and connection tags on the rear. Optimal performance in full sunlight and uncovered sky.

1| 0,5 V - 250 mA, 32 x 62 x 4 mm

124203 2.89

2| 0,5 V - 500 mA, 46 x 62 x 4 mm

124214 4.59

3| 1 V - 250 mA, 46 x 62 x 4 mm

124236 4.29

4| 1,5 V - 300 mA, 84 x 62 x 4 mm

124247 6.79

5| 2 V - 380 mA, 120 x 62 x 4 mm

124258 8.99

6| Solar Cell 6V

Poured (weatherproof and UV-resistant), high quality, shatterproof, 150 mA 6.0V, 120 x 65 mm, with screw and solder points. All figures measured under solar exposure and cloudless sky.

117031 6 V - 150 mA 9.69

117042 4 V - 200 mA 9.69

7| Encapsulated Solar Cells SOLAR CELLS 0,5 V

With metal connecting strips and screw fixings Includes information sheet about solar cells. Series connection of solar cells Increases the voltage output. Parallel connection of solar cells increases the current 200 mA, 35 x 55 mm

124069 Each 2.99

8| 400 mA, 75 x 45 mm

124070 Each 3.59

9| 800 mA, 65 x 95 mm

124081 Each 4.79

10| Solar-Lighting Set 'Easy-Light'

includes a solar cell, 1.2V NiMH battery, charging electronics, on/ off switch and light-emitting diode. Function: The charged by the solar module battery operates an LED, which is turned on and off by an integrated twilight sensor. Cell: approx. 55 x 55 mm, 2 V / 100 mA Battery: 600 mA. Each

117020 8.99

Solar Kits



Easy-Line Solar Bike

Laser cut plywood. When sun reflects On solar panel the biker start to pedal span 100mm
Size approx. 130 x 65 x 170mm

122201

15.39

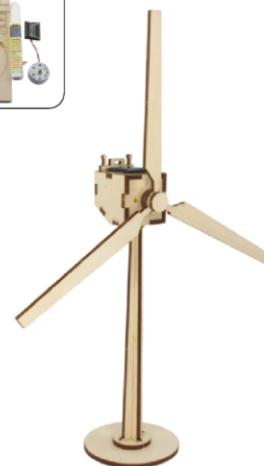


Easy-Line Storm Car

Laser cut plywood. When the motor is connected the propeller turn creating air flow moves car forward.
Size approx. 150 x 170 x 135 mm

122186

9.89

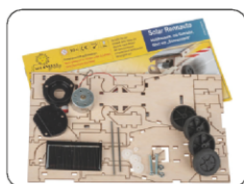


Easy-Line Wind

Laser cut plywood.
Size approx. 265 mm. Wing

122197

10.99

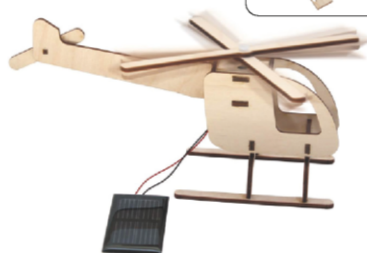


Easy-Line Solar Racing Car

Laser cut plywood.
Size approx. 165 x 62 x 53 mm

115992

15.69

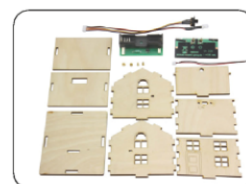


Easy-Line Island Hopper

Laser cut plywood. Blade rotate with sunlight.
Size approx. 200 mm

106599

7.29



Easy-Line Solar

Laser cut plywood.
Size approx. 85 x 78 x 78 mm

122245

12.59



Easy-Line Solar Carousel

Laser cut plywood. Size approx. 160 x 215 mm

100548

10.99



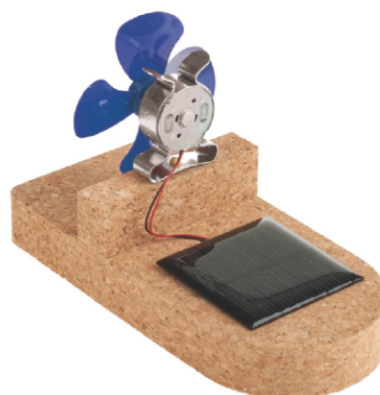
Easy-Line Lighthouse

Laser cut plywood. Size approx. 200 mm

115110

21.99





Easy-Line Energy station

Accepted by UNESCO. Developed for 5th grade.
Size approx. 120 x 60 x 150 mm, Each

123987

20.95

Easy-Line Solar Boat

Size approx. 150 x 70 x 60 mm, Each

120999

10.99



Solar Fan

Size approx. 80 x 80 x 150 mm, Each

109058

5.99



Solar Car with Gears

Size approx. 160 x 60 x 70 mm, Each

109793

8.59



Solar Wind Generator

200 x 100 x 380 mm, Each

107953

7.49



Solar Water Pump

DC Centrifugal pump. Requires Solar cell
or batteries 2,4V
Size approx. 140 x 140 x 250 mm

123311

5.69



Solar Fountain

Does not inc. Solar cell
140 x 140 mm, Each

123687

7.59



OPITEC Plus-Line Propeller Vehicle

Once the motor is connected the vehicle will move forward via the propellor to create air flow. Batteries not included. Size approx. 150 x 75 x 170 mm

122142

4.49



Seaplane

Propeller driven. Can be steered by the rudder. Simple circuit. Batteries not included. Size approx. 250 x 310 x 150 mm

113141

4.49



Race Car with Propeller Drive

Once the motor is connected the vehicle will move forward. Front wheel steering. 4.5V battery not included. Size approx. 260 x 120 x 170 mm

101141

4.49



Easy-Line Wind Generator

Teaches the function of a wind turbine. Size approx. 75 x 80 x 120 mm

116655

3.69



Bubble Making Machine

Bubbles are made in seconds. Solution and 4.5V batteries not included. Size approx. 235 x 100 x 210 mm

106326

8.49



Easy-Line Wind Generator

Lasered cut pieces. Size approx. 160mm Blade 100 mm

122197

10.99

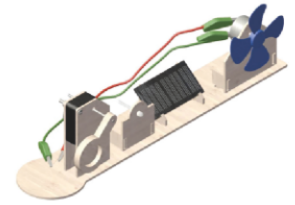
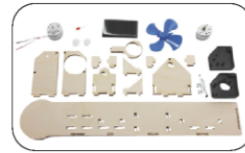


Opitec Easy-Line Power Plant

Size approx. 120 x 60 x 150 mm

123987

20.95

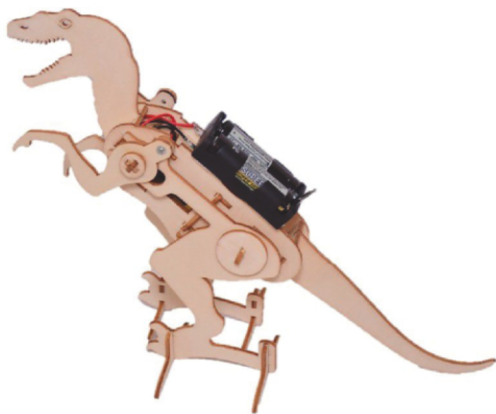


Opitec Plus-Line Power Station

Size approx. 260 x 36 x 65 mm

115970

16.99



Walking Dinosaur

Complete with Batteries

99500

5.99



Solar Sytem

Complete with Batteries

99501

7.29



Treadmill

Complete with inline motor

99502

5.99



Walking Dog

Complete with inline motor

99503

5.99



Opitec Walking Robot Frog

The robot is powered by a simple circuit with a push button on/off switch and an electric geared motor. Size approx. 150 x 110 x 100 mm

122946

5.95

Opitec Hopper Robot

The robot is powered by a simple circuit with a push button on/off switch and an electric geared motor. Size approx. 90 x 90 x 110 mm

122913

3.99



Tricycle with Gear Motor

Simple circuit with battery holder and an integrated switch. Size approx. 205 x 125 x 120 mm

120841

6.79



Opitec Quad Electric Gear Motor

Kit has an all-wheel drive through, plus an electric gear with belt. Size approx. 180 x 130 x 160 mm

114044

7.29



Worker Wheelbarrow with Gear Motor

Simple circuit with battery holder with integrated switch. Size approx. 210 x 100 x 210 mm

120830

5.69

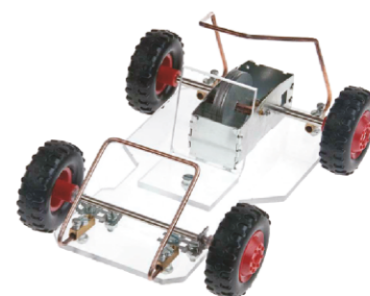


Racing Car with Spring Motor

Size approx. 250 x 130 x 85 mm

109830

7.49



Go Car with Friction Motor

Complete with a ready-made motor and fly wheel. Size approx. 175 x 115 x 75 mm

101174

5.99



Bi-Power-Vehicle with Cable Remote Control

The vehicle is powered by 2 motors that can be steered via the cable remote control. Batteries not supplied. Size approx. 155 x 120 x 60 mm

115855

5.59



Snow Plough/Bulldozer

Driven by two separate geared motors. Complete with remote control. 3 switch positions. Batteries not supplied. Only 1 item can be made. Snow Plough. Size approx. 285 x 215 x 155 mm. Bulldozer. Size approx. 320 x 135 x 155 mm

121489

13.99

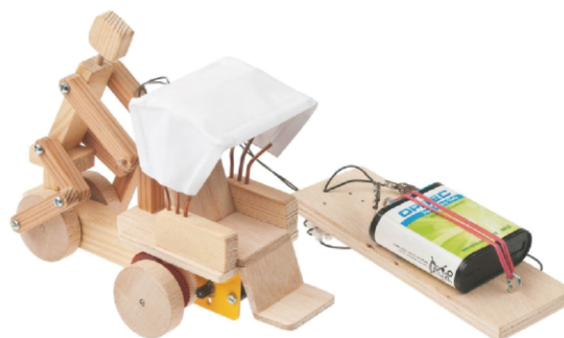


Two Wheel Racer

Simple control of the two geared motors with cable remote control. 9V battery not included. Size approx. 180 x 125 x 100 mm

122223

7.49



Rickshaw Driver

Geared motor and cable remote control. Can go forwards and backwards. 4.5V battery not included. Size approx. 185 x 140 mm

101887

6.39

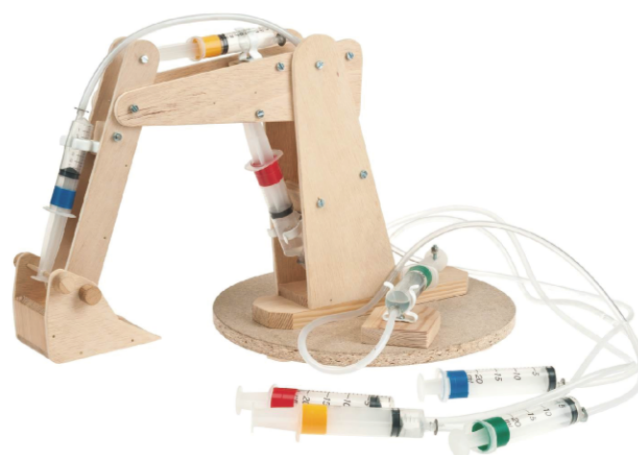


Vehicle with Robotic Arm

Remote control, electric motor and robotic gripper arm. Batteries not included. Size approx. 400 x 180 x 120 mm

106202

15.29



Robotic Digger Arm

4 Functions all operated independently. Size approx. Base plate 280mm. Height 270mm. Arm 420 mm

106186

12.99

Light Kits



Desk Lamp with SMD LEDs

Super bright, adjustable arm and head.
Size approx. 300 x 100 x 400 mm

122968

7.29



LED Bedside Lamp

Simple circuit(soldered). Adjustable arm and head.
Size approx. 140 x 100 x 400 mm

121157

4.59



Deco Light

Simple circuit. Self-adhesive LED Strip.
Power supplied via 1.5v battery (not included).
Complete with various templates.
Size approx. 200 x 200 x 0.38 mm

121869

4.99



Rainbow Ball Light

Coloured light effects in a white plastic sphere. Simple assembly. 4.5V battery not included. Size approx. 80 x 80 x 100 mm

108982

2.99



Battery Torch with 10mm-LED

Super bright 10mm LED. Can be switched to battery power. 1.5V battery not included. Size approx. 100 x 38 x 100 mm

113989

3.99

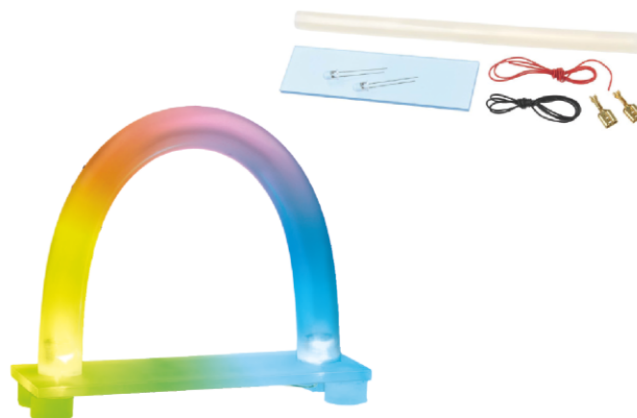


Rainbow Club Light

Mixes 3 primary colours at different speeds. Simple circuit. 9V battery not included. Size approx. 70 x 65 x 125 mm

100641

5.99

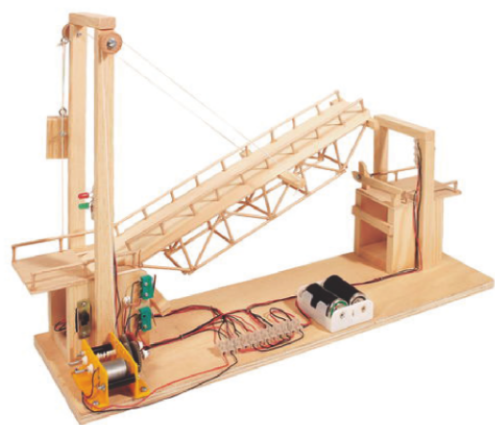


Rainbow U-Light

Fascinating play of colours from three primary colours. Simple circuit. 9V battery not included. Size approx. 110 x 35 x 85mm.

105641

2.99

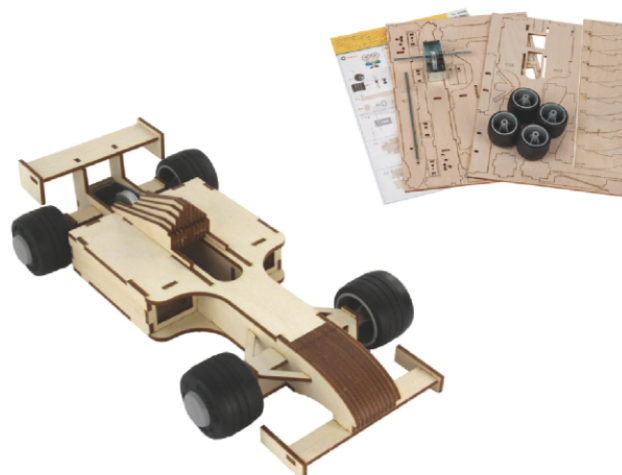


Drawbridge

The geared motor is driven by switch contacts, which lift or lower the bridge. Light-emitting diodes and a mechanically operated barrier indicates when the bridge crossing is down. Size 600 x 130 x 320 mm

105456

15.29



Opitec Easy-Line Friction Racer

Laser cut birch plywood. Racer is driven by a flywheel gear motor. Size approx. 280 x 170 x 90 mm

119664

14.59



Easy-Line Electric Vehicle

Lasered cut pieces. Easy to assemble. Kit shows the function of a gear with a simple circuit. 1.5V battery not included. Size approx. 130 x 65 x 45 mm

120955

9.89

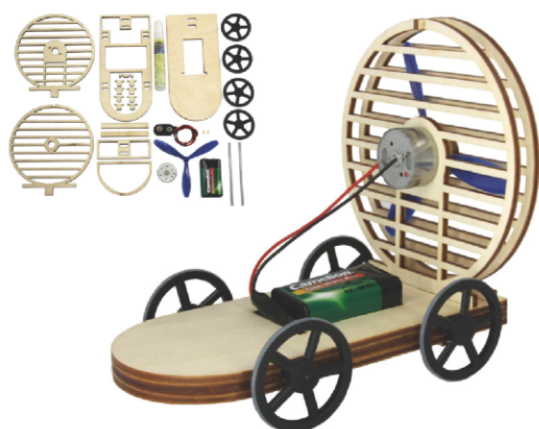


Pedal Boat with Electric Gear

Made from Styrofoam and plywood. The figure is driven mechanically via the electric gear. Simple circuit and slide switch. 1.5V battery not included. Size approx. 240 x 135 x 130 mm

113808

6.49



Easy-Line Storm Car

Laser cut pieces. Once the motor is connected the vehicle will move forward via the propeller to create air flow. Size approx. 150 x 107 x 135 mm

122186

9.89

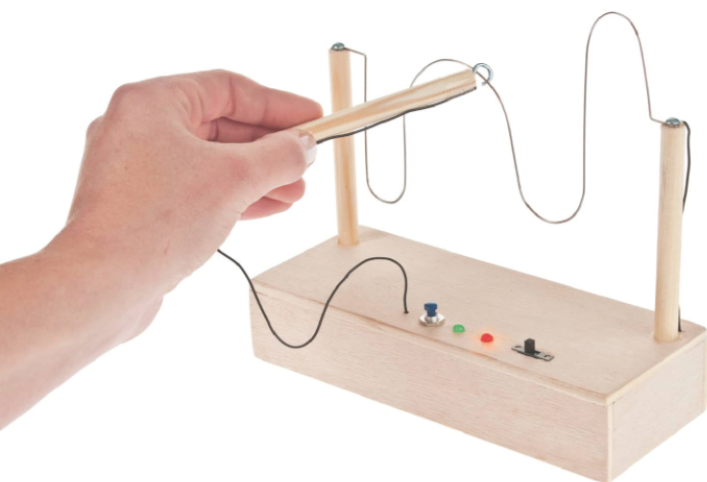


Easy-Line USB Fan

Operated by a power bank on a USB Port. Size approx. 80 x 110 x 52 mm

120988

10.49



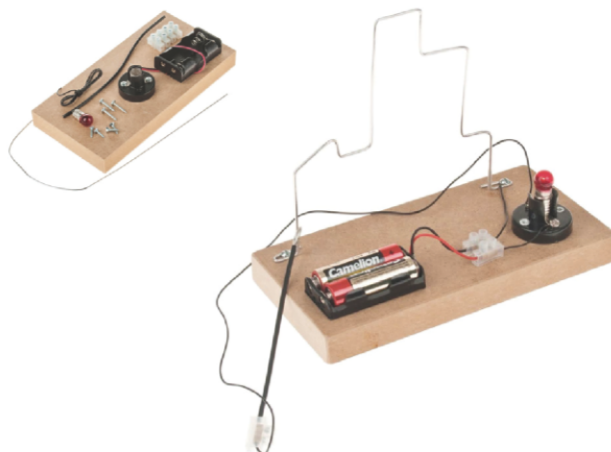
Steady Hand Kit

4.5V battery not included. Size approx. 200 x 80 x 40 mm

213841

Each

3.79

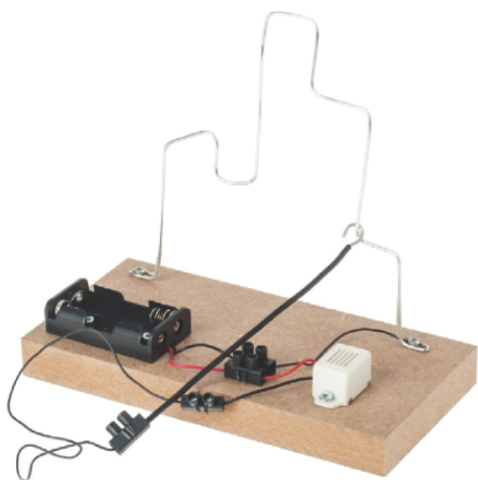


Easy-Line Game of Skill

Touch the wire the light comes on. Simple circuit. 1.5V batteries not included. Size approx. 180 x 90 x 250 mm

213841

3.99

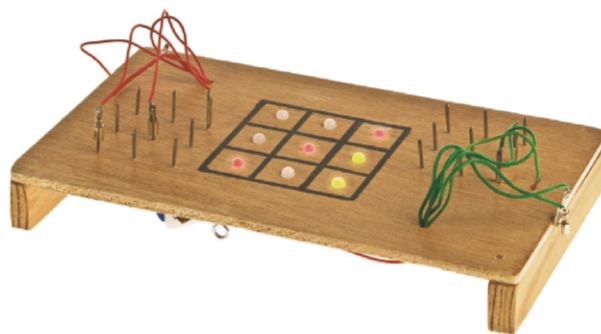


Easy-Line Game of Skill

Touch the wire a buzzer will sound. Simple circuit. 1.5V batteries not included. Size approx. 180 x 90 x 150 mm

111563

3.79



Tic Tac Toe Game

The winner is the first to light up 3 LEDs. 1.5V battery not included. Size approx. 200 x 120 x 20 mm

102001

4.59



Steady Hand Skill Game

Guide the lance through the eyes to hit the target without touching the sides. 4.5V battery not included. Size approx. 200 x 120 x 20 mm

104014

4.29



Disc Game

Six counters in a row, vertical or horizontally. Size approx. 225 x 60 x 160 mm

104151

4.99



Wiggling Animals

The head and tail of the animal create wobbles. Various templates inc. Size approx. 240 x 35 x 150 mm

122256

2.79



Mechanical Catch the Worm Game

Requires advanced manual skills. Hand crank drives the catch wheel. Chicken moves up and down. Size approx 120 x 40 x 95 mm

122991

2.99



Mechanical Dancing Caterpillar

Requires advanced manual skills. Hand driven crank makes the caterpillar dance up and down. Size approx 30 x 120 x 210 mm

122980

9.19



Mechanical Grasshopper

The legs are driven by the mounted axles on wheels. Size approx. 200 x 70 x 110 mm

111644

1.99



Woodpecker

Pull the cord and the Pecker knocks. Size approx. 100 x 155 x 270 mm

100087

4.59



Fidgety Phillip

Components are largely prefabricated. Size approx. 250 mm long.

122092

2.89

Wooden Kits



Solid Wood Flying Duck

Size: approx. Length 300mm Height Inc. Road Approx. 600 mm.
Each

113107

2.89

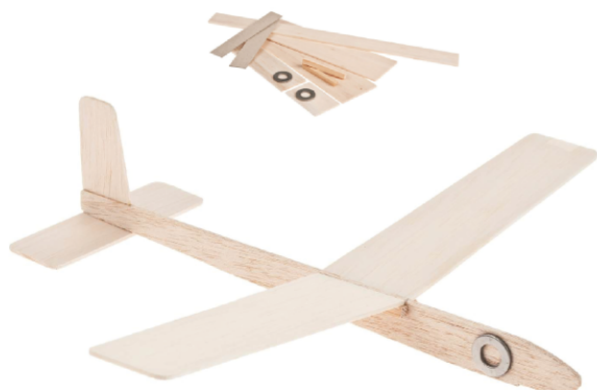


Mobile Seagull/Pelican

Size: approx. Wingspan 550 mm. Each

113093

5.19



Balsa Glider

Wingspan approx. 360mm Glider 300 mm long

102021

1.69



Opitec Easy-Line Bi-plane

Lasered plywood Kit.

Size Length: 325 mm, Wingspan: 280 mm. Each

101706

5.69



Opitec Easy-Line Pen Box

Lasered plywood Kit.

Size approx. 210 x 160 mm. Each

104818

2.79



Opitec Easy-Line Note Express

Size approx. 200 x 120 x 120 mm. Each

101670

3.99



Opitec Easy-Line Rocket Vehicle Balloon Boat

Very popular in project for primary schools.
Size: approx. 200 x 75 x 115 mm. Each

104966

2.39



Opitec Roman Catapult

Size: approx. 250 x 100 x 270 mm. Each

106669

4.79



Balloon Pop-Pop Boat

Size: approx. 145 x 70 x 55 mm, 1 balloon.
Each

118118

3.99



Opitec Easy-Line Catamaran

Size: approx. 175 x 90 x 170 mm. Each.

118130

7.99



Opitec Easy-Line Boat

Size: approx. 170 x 7 x 25 mm. Each.

214146

3.99



Opitec Easy-Line Car

Size: approx. 140 x 70 x 40 mm. Each.

214157

5.29



Opitec Easy-Line Racing Car

Size: approx. 180 x 75 x 40 mm. Each.

118107

3.99



Opitec Easy-Line Plane

Size: approx. 200 x 220 x 115 mm. Each.

119538

9.49



Opitec Easy-Line Digger

Size: approx. 215 x 55 x 100 mm. Each.

119549

9.49

Wooden Kits



Place Mat

A wooden strong and robust place mat for hot dishes. Simple project for making and construction.

Size approx.: 200 x 300 mm. Each

100663

2.69



Wooden Box Organizer

Size approx.: 200 x 110 x 26 mm. Each

116194

3.69



Technical Drawing Case

Size approx: 390 x 300 x 70 mm. Each

100663

10.69



Tool Carrier

Made from Gabon Plywood. Size approx. 300 x 15 x 250 mm

100559

4.99



Professional Tool Carrier

Size approx: 350 x 185 x 370mm. Each

100788

12.29



Sewing Box/Tool Box

Made from Pine. Size approx. 400 x 200 x 180 mm

100571

15.99



Tool Storage Ring

Size approx: 180 x 180 x 180 mm. Each

123207

5.39



Beach Chair suitable for Adults

Suitable for adults. Size approx. 350 x 55 x 700 mm

108351

13.29



Wicker Stool

Made from solid Pine. Braid with Jute yarn. Size approx. 280 x 280 mm

108661

5.19



Solid Wood Bird Feeder

Size: approx. 195 x 230 x 290 mm. Each

118761

9.99



Solid Wood Bird Nesting Box

Size: approx. 195 x 230 x 290 mm. Each

115327

7.49



A

B

C

D

Opite Easy-Line Insect House

Made from natural softwood.

Size: approx. 110 x 110 x 210 mm.

123229

Set of 4

26.99

Also available individually

A| 123252

8.79

B| 123230

6.79

C| 123241

8.79



A

B

Nest Box

Solid Wood, fully assembled. Size: approx. 240 x 180 x 140 mm. Each

A| 734178

9.19

Size: approx. 220 x 115 x 140mm. Each

B| 734189

8.99

Grass Head

Water the bare grass head well.

Then see grass sprouting.

All materials supplied with kit.

Size approx: 40 x 55mm. Pack of 12

211757

10.19



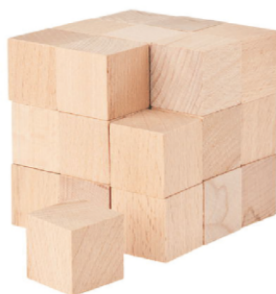
Wooden Kits



Beech Wooden Ring

Each

515266	Outsize ø 34 mm	0.29
515255	Outsize ø 47mm	0.39
515233	Outsize ø 56 mm	0.49
515244	Outsize ø 70 mm	0.59
515218	Outsize ø 115mm	



Mixed Pack of Wooden Blocks

27 Set, with manual.

531356	15 x 15 x 15 mm	2.49
101348	30 x 30 x 30 mm	5.99



Beech Eggs with 3mm hole

Pack of 10

609064	40 x 30 mm	2.29
609086	60 x 40 mm	4.89



Wooden Balls without Holes

601790	approx. ø 18 mm, Pack of 14	0.99
601804	approx. ø 20 mm, Pack of 12	0.99
601815	approx. ø 25 mm, Pack of 8	0.99
601826	approx. ø 30 mm, Pack of 6	0.99
601848	approx. ø 40 mm, Pack of 4	1.09
601860	approx. ø 50 mm, Pack of 2	1.09
603138	approx. ø 70 mm, Each	1.89
603219	approx. ø 80 mm, Each	2.99



Wooden Balls

Natural, without decoration, Size: ø 10 mm, hole 3 mm

601871	Pack of 40	1.09
600864	Pack of 1000	20.99
Size: approx. ø 12 mm, hole 3 mm		
601882	Pack of 30	1.19
600875	Pack of 1000	24.99
Size: approx. ø 15 mm, hole 4 mm		
601893	Pack of 20	1.19
600886	Pack of 500	21.99
Size: approx. ø 18 mm, hole 4 mm		
601907	Pack of 14	1.19
600897	Pack of 500	25.99
Size: approx. ø 20 mm, hole 4 mm		
601929	Pack of 12	1.19
600912	Pack of 500	26.99
Size: approx. ø 25 mm, hole 5 mm		
601930	Pack of 8	1.19
600923	Pack of 250	25.99
Size: approx. ø 30 mm, hole 6 mm		
601941	Pack of 6	1.19
600934	Pack of 250	33.99
Size: approx. ø 35 mm, hole 8 mm		
600952	Pack of 5	1.29



Wooden Balls

ø approx. 15mm, hole ø 8 mm, Pack of 20

603622	1.19
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Profile Strip

Linden Wood ready to saw. Size: approx. 250 x 38 x 38 mm. Each

605277 Flower **3.69**

Size: approx. 250 x 50 x 39 mm.

605266 Heart **3.69**

Size: approx. 250 x 60 x 45 mm.

605299 Figure **4.69**

Size: approx. 250 x 64 x 41 mm.

605314 Butterfly **4.99**

Size: approx. 250 x 59 x 51 mm.

605255 Tree **5.29**



Wooden Dinosaur Set 3

Brachiosaurus, approx. 160 x 25 x 145 mm

Tyrannosaurus, approx. 150 x 25 x 120 mm

Spinosaurus, approx. 160 x 25 x 95 mm

646569 **9.49**



Wooden Sealife Set 3

Starfish, approx. 90 x 25 x 90 mm

Shark, approx. 100 x 25 x 60 mm

Dolphin, approx. 100 x 25 x 60 mm

646558 **6.29**



Wooden Jungle Set 3

Giraffe, approx. 60 x 25 x 120 mm

Elephant, approx. 90 x 25 x 80 mm

Lion, approx. 80 x 25 x 75 mm

646547 **6.69**



Dowels - Economy Pack of

Grooved and beveled, Size: \varnothing 6 x 30 mm

602877 Pack of 200 **2.59**

Grooved and beveled, Size: \varnothing 8 x 40 mm

602888 Pack of 150 **3.29**



OPITEC Hardwood Dowel - Economy Pack of

OPITEC Hardwood Dowel - Economy Pack of Long Round Dowels in Top Quality Hardwood. Content: 10 Pieces Each 1 m Long in the Diametres 4, 5, 6 and 10 mm, Pack of 40

604008 **16.99**



Beech Dowels

500 mm, Pack of 10

606309 \varnothing 5 mm **1.39**

606310 \varnothing 6 mm **1.79**

606321 \varnothing 8 mm **2.59**



Beech Dowel

50 cm length, Pack of 10

681028 \varnothing 3 mm **1.19**

681039 \varnothing 4 mm **1.59**

681040 \varnothing 5 mm **1.89**

681051 \varnothing 5 mm **2.02**

681062 \varnothing 8 mm **2.59**

681073 \varnothing 10 mm **2.89**

Metal Kits

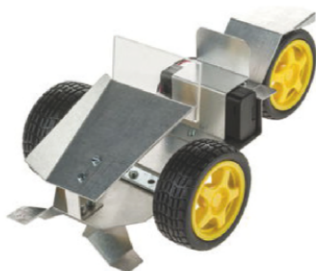


OPITEC Grand Prix Race Car

Panels are made from 0.5mm metal sheet. Battery not incl. Size: approx. 320 x 140 x 90 mm. Each.

101532

16.79



Aluminium Trike with Gear Motor

Panels are made from 0.8mm sheet. Simple electric circuit. Battery not incl. Size: approx. 260 x 145 x 105 mm. Each.

120852

8.39



Go Kart F310

Panels are made from 0.5mm metal sheet. 4.5v battery(NOT included). Size: approx. 270 x 160 x 80 mm. Each

101658

12.99



Aluminium Truck

Construct 1 of 4 models. Size: approx. 135 x 45 x 45 mm

120461

3.39



Metal Bulldozer with Electric Gear

Size: approx. 160 x 60 x 80 mm

121940

7.69



Model Steam Roller

Size: approx. 70 x 65 x 65 mm

106315

7.49



Metal Candle Holder

Size (church): 80 x 130 x 150 mm, size (angel and tree): 120 x 150 mm. Each

113680

1.99

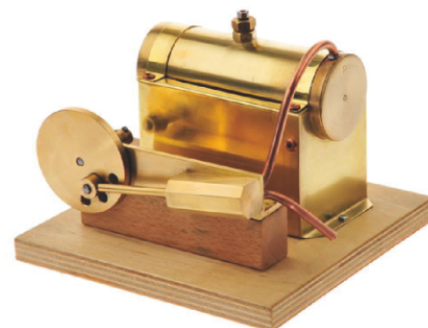


Aluminium Sliding Bevel

Solid tool Size: approx. 215 x 30 x 10 mm. Each

114653

3.59



Steam Engine

Build fully functional model. Demonstrates the principle of oscillation. Size: approx. 170 x 140 x 110 mm. Each

112420

38.99

All kits come with full instructions.



Clock Mechanism

Suitable for clock casing up to 5 mm. Each

120069 1.69

Up to 12.5 mm wall thickness

120081 1.89



Quartz Movement - Set I

Up to 19 mm wall thickness.

101577 1 set 2.69

For
Further items
visit our
webshop



Wood Design Clock

Pack of includes clock movement and hands plus all fixings. 1.5 V battery is NOT included. Size: 230 x 200 x 50 mm. Each

107414 8.99



Wooden Clock Face

Approx. \varnothing 330 mm x 8 mm thick, bore: approx. 10 mm. Each

514497 3.69



Wooden Dial with Engraved Numbers

Birch plywood, laser-cut, hole \varnothing 10 mm, thickness 3 mm. Each

119251 3.59



Aluminium Clock Face

Size: approx. \varnothing 132 x 0.27 mm. Each

123078 0.89



Metal Clock Hands

Pair 65/44 mm, black laquered.

120139 1.19



Metal Clock Hands

Pair 92/62mm, black laquered.

112525 1.19



Metal Clock Hands "Antique"

Pair 60/42 mm, black laquered.

120162 1.39



Plastic Hand Ser

Black 78/50 mm, Red 80 mm

121098 1.19



Metal Clock Hands

Pair black laquered.

500050 35/25 mm 1.09

113613 145/95 mm 1.39

123067 165/113 mm 1.49



Second Hands

90 mm. Each

120184 0.49



Brass plated Pendulum

250mm long Disc 50mm. 7g. Each

121102 0.99

Brushes & Crayons



Balloon Brushes

Pear-shaped bristle brush with extra thick wooden handle.
An assortment of 4 colours.
Size: 10,5 cm long. Set 12

591521

9.99



Children Brushes

Approx size 15mm y 190mm Tub 30

661482

27.99



Foam Dabbers

Approx size 15/20/25/40mm Set 40

655928

10.99



Paint Pallet

Size approx. 215 x 155 x 20 mm. Set 6

655892

9.79



Non Spill Paint Pots

Size approx. 70 x 90 mm. Set 12

655881

13.99



Childrens Painting Smock

3 - 7 years. Washable. Each

636207

7.99



Street Chalks

size: approx. ø 100 x 22 mm, Box 24

515194

1.89



Window Wax Crayons

Size approx. 10 x 10 x 75 mm. Box 12

585713

5.49



Wax Crayons

Size approx. 8 x 90 mm. Box 24

519327

4.49



Ergonomic Wax Crayons

Size: approx. ø 30 x 65 mm, Box 6

656957

7.39



Noris Club® Super Jumbo

Size: approx. ø 6 x 175 mm, Box 12 plus sharpener

626369

14.59



STAEDTLER® Jumbo Pens

Extra thick tip 3 mm. Pack of 12

456384

6.99



Gold Line Round Brushes

3 x 2,18, 4 x 12 x,8, 5 x 4,2, 6 x 1,0. Set 36

661471

29.99



Gold Line Flat Brushes

4 x 20, 16, 12, 8, 4, 5 x 2, 0. Set 30

661437

32.99



White Synthetic Brush

5 x Flat 0,2, 4, 6, 8
5x Round 0, 2, 4, 6, 8
Length 145mm. Set 10

665280

4.29



Canvas Roll

380g/qm. 5m x 5cm. Each

661736

28.49



CRETACOLOR® Monolith Graphite

Full lead \varnothing 7 x 145mm

HB, 2B, 4B, 6B, 8B, 9B, Supplied in a tin Set 6 pencils, 1 eraser.

642956

15.99



HONSELL Cotton Canvas

380g/qm. Primed 3 times.

643815	10 x 10, Each	1.49
643826	18 x 24, Each	2.59
643837	20 x 20, Each	2.59
644063	20 x 20, Pack of 3	7.49
643848	24 x 30, Each	3.39
662787	24 x 30, Pack of 3	8.99
643859	30 x 30, Each	3.89
644084	30 x 30, Pack of 3	10.99
643860	30 x 40, Each	4.29
662798	30 x 40, Pack of 3	11.99
643871	30 x 60, Each	5.39
643882	40 x 40, Each	5.39
662802	40 x 50, Pack of 3	23.99

HONSELL 300g/qm Also available in our online shop

Farber Castell Pit Graphite

Set 6. 2B, 4B, 6B, 8B, 10B, 12B.

661264

10.99





EBERHARD FABER - Oil pastels

Very intense colours, high luminosity.
ø11 x 70 mm

486640	Set 12	3.99
521647	Set 24	7.99
521669	Set 36	10.89



JAXON® Oil Pastel Neon

Bright, intense colour, lightfast. ø11 x 70 mm. Set 12

659830	Neon	7.69
659841	Metallic	7.69



STADLER® Noris Water-Soluble Pencil

12 Hexagonal pencil approx size ø2 x 175 mm incl. brush.

493801	3.59
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STABILO® Colour Crayons

0.3mm x 175mm, Pack of 24

662684	6.59
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Pelikan® Colorella Fibre Pen

0.6mm, Pack of 24

443002	6.79
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STADLER® Double-Ended Pens

456395	Set 10, 1 and 3 mm	3.49
626381	Set 36, 0.75 and 2 mm	28.99



Textile Pen Double-Ended

Fix with Iron. 2.3mm and 3.6mm

629703	Black Set 6	2.69
629725	Assorted Set 20	8.99
643457	Pastel Set 20	8.99



MUCKI® Porcelain Pens

Fix in Oven. Age 4+ 2-5 mm, with Line. Set 5

641798	9.59
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Wood Paper Holder

Made from fiberboard, natural.
56.5 x 12 x 9.8 cm

562146	8.29
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Paper Roll

80g 500 mm x 5mm, White

489361	18.49
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Mixed Media Pad

160 gms, White 60 Sheets

662754	A4	15.69
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662765	A3	27.49
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Watercolour Pad

150 g/m², DIN A3 format
White. 10 sheets.

401932	5.69
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Transparent Paper

65gm/sqm, 25 sheets. Each

401274	A4	1.99
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401285	A3	5.69
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Drawing Pad

200gm White, 50 sheets. Each

400202	A4	6.29
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400198	A3	10.99
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Tissue Paper

15g/qm, 50 x 66 cm, Pack of 50
assorted sheets.

642244	6.49
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Transparent Paper

42g/qm, 20 x 30 cm, assorted
sheets.

402051	10 Sheets	1.69
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70 x 100 cm

412092	25 Sheets	11.89
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Coloured Paper

130gm/qm, 50 x 70 cm.
Assorted

410441	10 Sheets	3.39
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403023	100 Sheets	30.99
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401012	20 Sheets- A4	2.39
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Coloured Card

220gm/qm, 50 x 70 cm.
Assorted

403198	10 Sheets	5.59
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403152	100 Sheets	45.99
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428868	100 Sheets- A4	13.29
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Coloured Card

300gm/qm, 50 x 70 cm.
Assorted

411447	10 Sheets	6.79
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403045	50 Sheets	34.49
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Single
Colours
available
visit our
webshop



Mosaic - Glass Tiles Mix

Tile size: 10 x 10 mm, assorted colours, 200 g = approx. 300 pieces, thickness: 4 mm.

539664 Each **2.99**

Tile size: 10 x 10 mm, assorted colours, 500 g = approx. 740 pieces, thickness: 4 mm.

558787 Each **6.69**

Tile size: 10 x 10 mm, assorted colours, 1000 g = approx. 1450 pieces, thickness: 4mm.

543458 Each **13.69**

Tile size: 20 x 20 mm, assorted colours, 500 g = approx. 167 pieces, thickness: 4mm.

558776 Each **6.39**



Waterprooof Grout 100ml

Suitable for outdoor projects. Cover approx. 1.5m²

547728 **5.99**



Buttons

Assorted ø 9-22mm, 200 per Pack of

615610 **5.39**



Mosaic cement 1000g

Powder form. Cover approx. 0.8m². Not weather resistant on its own.

558466 **10.99**



Gym Bag

100% Cotton 400 x 350 mm, Each

468568 **1.79**

Single Coloured Pack ofs available
See Web site for details

1,5 mm Handcraft Felt



Craf Felt

100 % polyester, 5 assorted colours, Size: approx. 200 x 300mm, approx. 1.5 mm thick, Pack of 10.

512013* Yellow **3.69**

512035 Orange **3.69**

512046* Red **3.69**

515976 Pink **3.69**

512068 Deep Pink **3.69**

512080 Lilac **3.69**

515655 Light Blue **3.69**

512105 Ultramarine **3.69**

512116* Light Green **3.69**

512127* Dark Green **3.69**

512150* Light Grey **3.69**

639755 Dark Grey **3.69**

512149* Brown **3.69**

512172* Black **3.69**

512161* White **3.69**

1,5 mm
Handcraft Felt



Craf Felt

100 % polyester, 5 assorted colours, Size: approx. 300 x 450mm, approx. 3.5mm thick.

550941 Pack of 7, red, green, yellow, brown, blue, white, black **14.99**

515080 Apricot **2.69**

513549 Yellow **2.69**

514475 Orange **2.69**

513583 Red **2.69**

513871 Pink **2.69**

513619 Dark Pink **2.69**

514408 Carnival Blue **2.69**

514464 Ultramarine **2.69**

515105 Light Green **2.69**

515312 Dark Green **2.69**

515356 Black **2.69**

513527 White **2.69**



Baseball Cap

Polyester 500-600 mm

468373 **2.29**



Pencil Case

100% Cotton 200 x 100mm, Each

411331 **1.39**



Bag

100% Cotton 380 x 420mm, Pack of 100

468486 **14.59**



Embroidery Thread Set

100% cotton, 26 different x 2 colours, 8 m.

576952	Each	8.99
629301	Set 25	5.29



Assorted Needles

Set 30

512382	3.29
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Wooden Knitting Ring

Approx. ø 55, 90, 120mm, Set 3

662949	12.29
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Wooden Loom Sheet - Set

17 teeth, distance between teeth approx. 4 mm, natural wood. Size: approx. 220 x 150 mm, approx. 3 mm thick, Pack of 12.

624828	21.59
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Embroidery Thread

100% cotton, 20g Balls. Assorted colours, Set 24

554521	32.99
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Taylors Chalk Set

Each

652182	2.29
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Wooden Stick Weaving Frame

Size: approx. 50 cm long, including 2 clamps, Set. Age: 4+

527015	16.49
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Round Weaving Frame

Size: approx. ø 210 x 17 mm, with a total of 25 holes, hole spacing: 20 mm. Pack of 2

518963	5.59
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Plastic Embroidery

65 mm long. Pack of 32

472661	2.89
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Seam Ripper

Each

652193	1.59
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Taylors Hook

140mm long Size 8,0mm, Each

542326	3.69
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French Knitting Set

With pins, Size: approx. ø 25 mm x 115 mm, natural-coloured, 2 pieces, Set

367274	2.19
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Wool

100 % polyacrylic. 50g. Each

813948	White	1.49
813926	Red	1.49
813915	Navy	1.49
813960	Dark Green	1.49
813878	Lime Green	1.49
813982	Candy pink	1.49
813904	Gold	1.49
813993	Dahlia (lilac)	1.49
814036	Light Blue	1.49
813890	Light Pink	1.49



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