

POTES RUN BETTER

童車皮帶傳動系統

Kids Bike Belt Drive System



金翔輪有限公司

Omnitrans Technology Co. Ltd.

Tel.: +886 4 24639046 Fax: +886 4 24634773

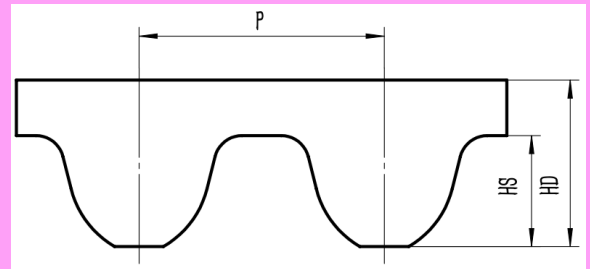
Contact: Mr. Gordon +886 912-892589 / Ms. Sophie +886 970-263566

[E-MAIL: service@potestrans.com](mailto:service@potestrans.com)

www.omnitransbelt.com



PROFILES: 8M



POTES 8M TIMING BELT

HIGH QUALITY TIMING BELT

MADE OF RUBBER

WITH GLASS-FIBER TENSION CORD.

	8M
Height of belt HD [mm]	5.6
Tooth height HS [mm]	3.2 ± 0.05
Tooth pitch P [mm]	8
Material	Rubber
Fiber tensil wire	Glass
Belt width	11.7 ± 0.3 mm
Belt lengths	L (mm)

* Non stock items.

* Prices on request.

* Further dimensions are available on request; minimum order quantity on request

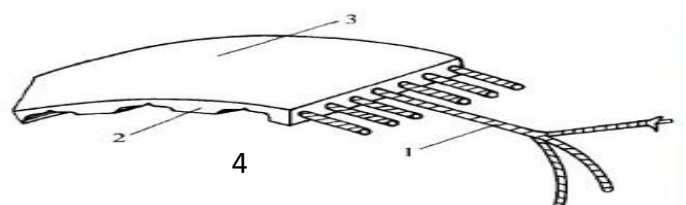
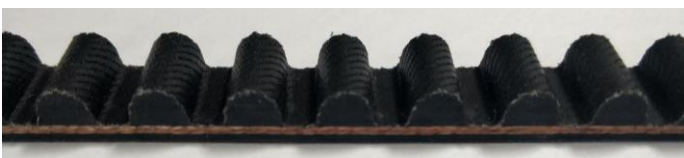
Components of Belt : 1. Glass fiber 2. Rubber 3. Shell cloth 4. Lining cloth

With water & UV resistant

Cool & Heat resistant : $-30^{\circ}\text{C} \sim +100^{\circ}\text{C}$

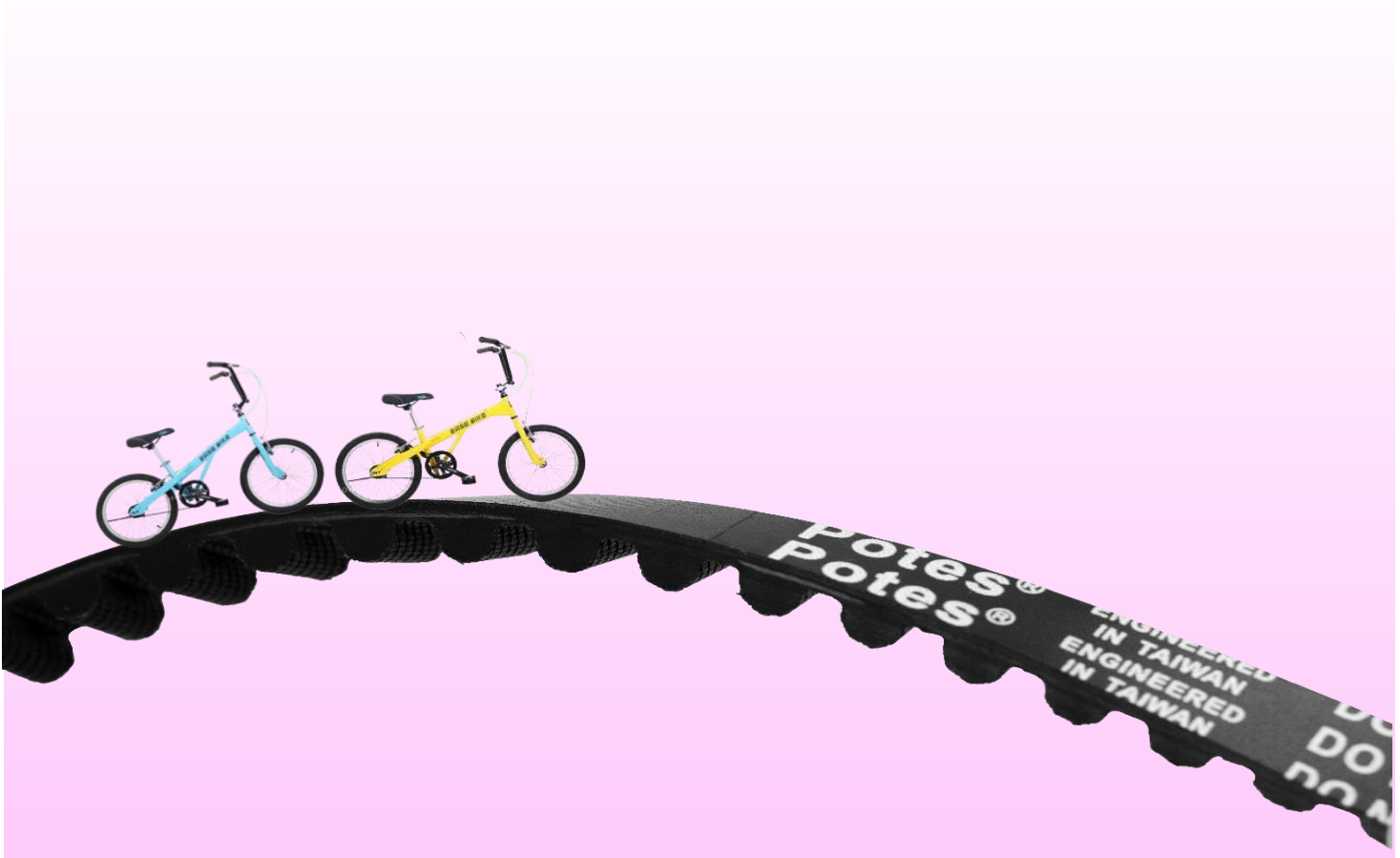
Max. tensile strength : over 16000N (reference: JIS standard)

Belt tension : 160~180N



8M TIMING BELT

No.	Model No	Teeth	Length (mm)	Width	Color
1.	BB09212BK	92T	736	12	Black
2.	BB10612BK	106T	848	12	Black
3.	BB11612BK	116T	928	12	Black
4.	BB11812BK	118T	944	12	Black
5.	BB12412BK	124T	992	12	Black
6.	BB13012BK	130T	1040	12	Black
7.	BB13312BK	133T	1064	12	Black
8.	BB13512BK	135T	1080	12	Black
9.	BB14212BK	142T	1136	12	Black
10.	BB15012BK	150T	1200	12	Black
11.	BB15212BK	152T	1216	12	Black
12.	BB15312BK	153T	1224	12	Black
13.	BB15512BK	155T	1240	12	Black
14.	BB15612BK	156T	1248	12	Black
15.	BB16812BK	168T	1344	12	Black
16.	BB17812BK	178T	1424	12	Black
17.	BB18112BK	181T	1448	12	Black





FRONT BELTING WHEEL

MADE OF ALUMINUM ALLOY

Forged aluminum, CNC-machined.

8M

Front Wheel	46T	52T	60T
Installation	Rivet jointed with cranks		Mutual to lock bolt with 4 arm
BCD	/	/	104 mm
Teeth number	46T	52T	60T
Material	6061 T6	6061 T6	6061 T6
Color	Black	Black	Black
Belt tension	150~180N		

Cranks are standard configuration :

* In case of customer-owned cranks,

8M for 48T and over : BCD 104mm with 4 screws.

前輪盤組原則上含曲柄：

若客戶自備曲柄：8M：60T以上為四爪/BCD104mm

* Non stock items.

* Prices on request.

* Further dimensions are available on request; minimum order quantity on request



46T / 52T



60T

CHAINRING WITH DOUBLE SHIELDS

No.	Model No	Teeth No.	Belt Pitch	BCD	Width	Color
1.	F0846MBK	46T	8M	-----	18.5mm	Black
2.	F0852MBK	52T	8M	-----	18.5mm	Black
3.	F0860MBK	60T	8M	104mm	18.5mm	Black
4.	F0846MSL	46T	8M	-----	18.5mm	Silver
5.	F0852MSL	52T	8M	-----	18.5mm	Silver
6.	F0860MSL	60T	8M	104mm	18.5mm	Silver

RIGHT CRANK (for 46 / 52T)

No.	Model No	BCD	Length	Splines	L/R Side	Color
1.	C104SQRBK	-----	104mm	Square	R side	Black
2.	C127SQRBK	-----	127mm	Square	R side	Black
3.	C140SQRBK	-----	140mm	Square	R side	Black
4.	C104SQRSL	-----	104mm	Square	R side	Silver
5.	C127SQRSL	-----	127mm	Square	R side	Silver
6.	C140SQRSL	-----	140mm	Square	R side	Silver



RIGHT CRANK WITH 4 ARM (for 60T)

No.	Model No	BCD	Length	Splines	L/R Side	Color
1.	C104104SQRBK	104mm	104mm	Square	R / 4 arm	Black
2.	C104127SQRBK	104mm	127mm	Square	R / 4 arm	Black
3.	C104140SQRBK	104mm	140mm	Square	R / 4 arm	Black
11.	C104104SQRSL	104mm	104mm	Square	R / 4 arm	Silver
12.	C104127SQRSL	104mm	127mm	Square	R / 4 arm	Silver
13.	C104140SQRSL	104mm	140mm	Square	R / 4 arm	Silver

LEFT CRANK (for 46 / 52 / 60T)

No.	Model No	BCD	Length	Splines	L/R Side Crank	Color
1.	C104SQLBK	-----	104mm	Square	L side	Black
2.	C127SQLBK	-----	127mm	Square	L side	Black
3.	C140SQLBK	-----	140mm	Square	L side	Black





棘輪式

POTES REAR BELTING WHEEL (SPROCKET)

Cr-Mo REAR BELTING WHEEL

MADE of Chrome-molybdenum steel.

Rear Wheel	Thread-on flywheel
Teeth number	28T
Material	Cr-Mo
Color	Black
Belt tension	150-180N

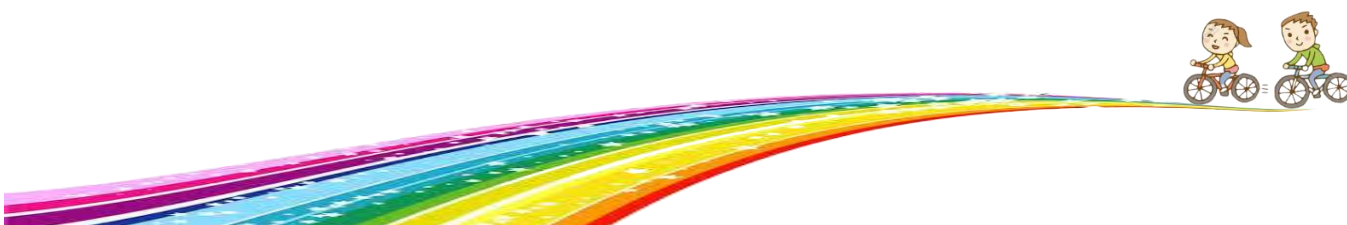
* Non stock items.

* Prices on request.

* Further dimensions are available on request; minimum order quantity on request

SPROCKET

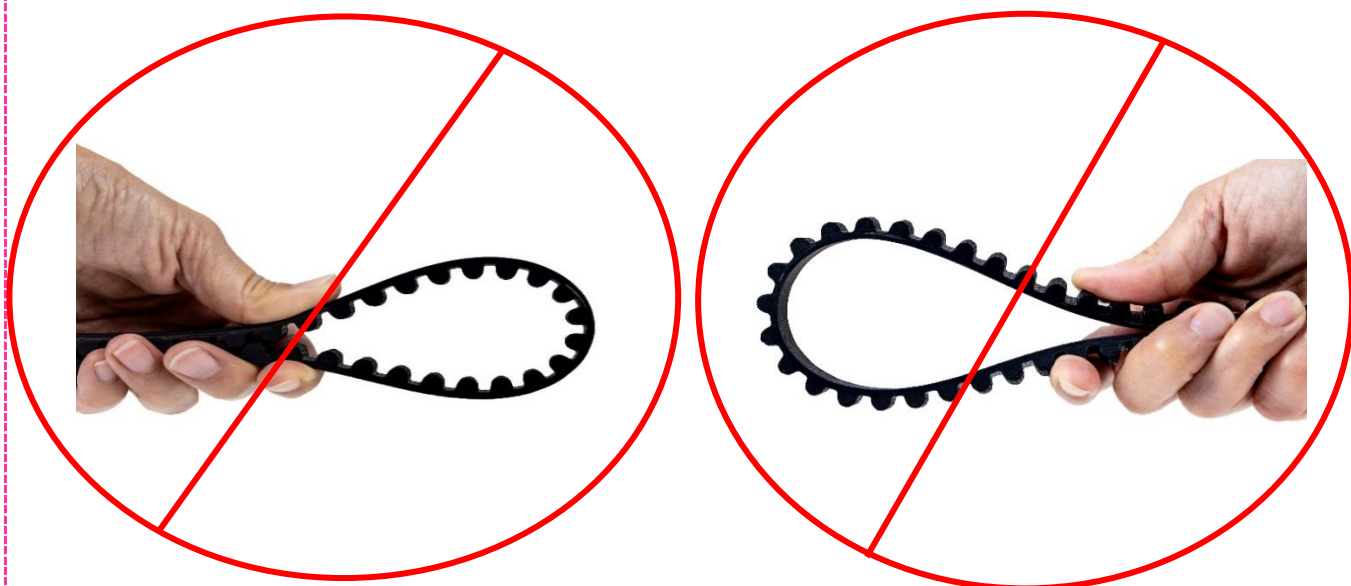
No.	Model No	Pitch	Teeth Number	Type	Color
1.	R0828GRBK	8 M	28T	thread-on	Black
2.	R0828GRSL	8 M	28T	thread-on	Silver



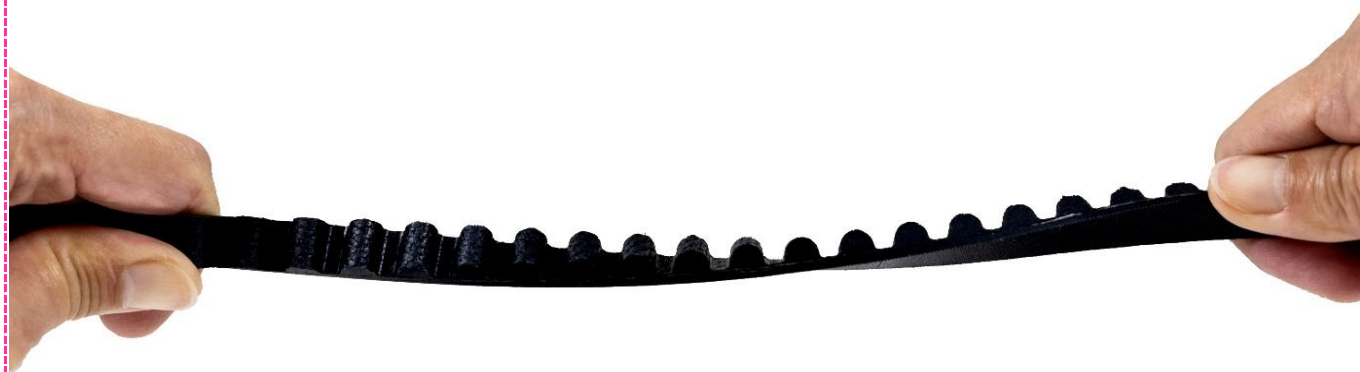
STORAGE SUGGESTION OF *Bates* TIMING BELTS

**Do not excessively break or bend when it is not in use.
Otherwise it would be considered an abuse to its structure.
Do not store the belt in an abnormally bent state for a long period.
Keep in a cool place.**

如附圖過度彎折，將會被視為非正常使用。



BENDING NOT ALLOWED



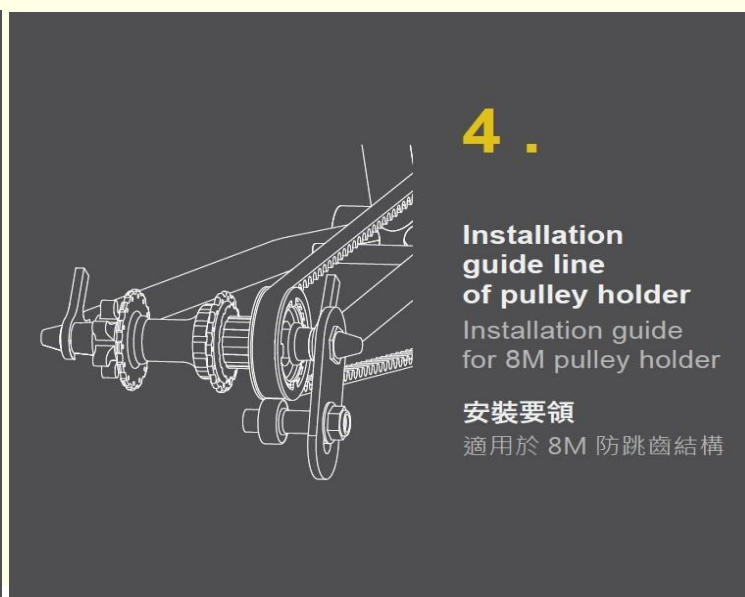
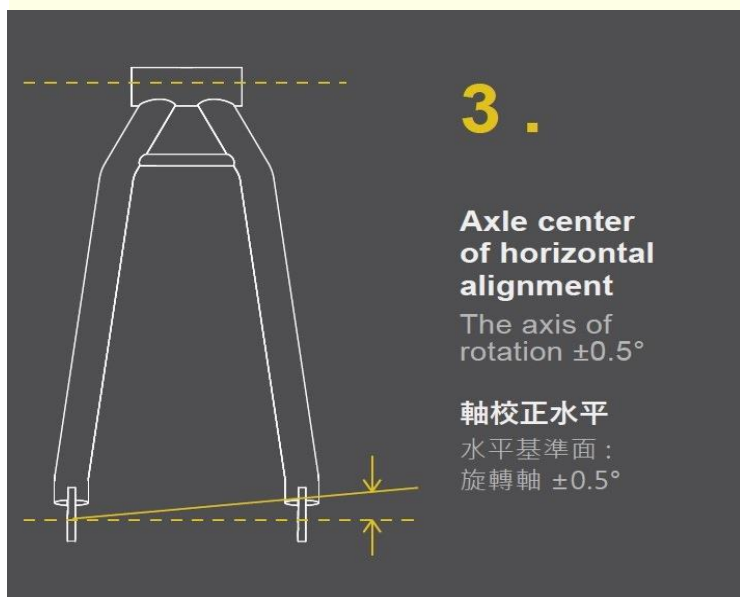
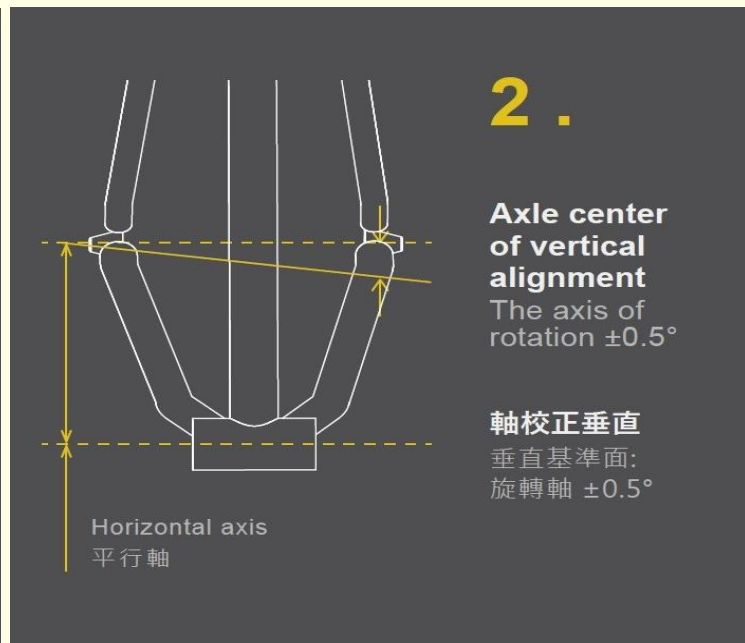
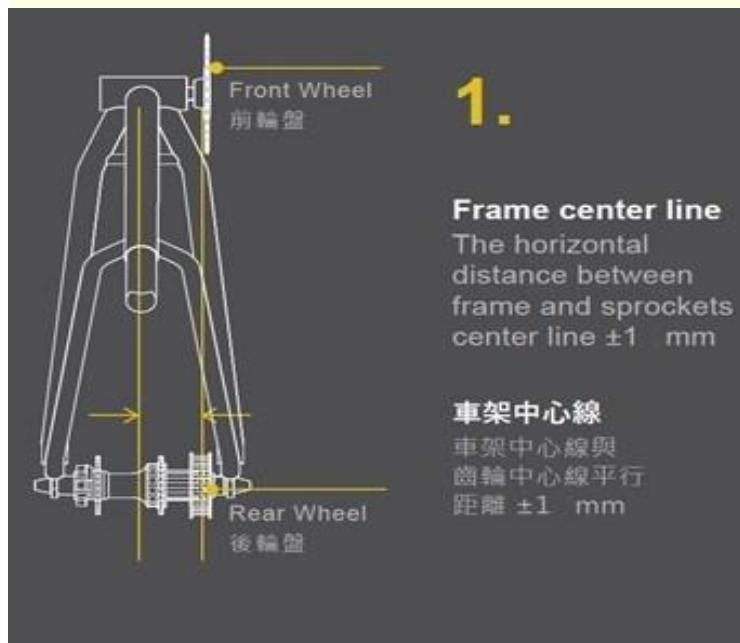
Breakage caused by abnormal use.
非正常使用造成的斷裂情形



Breakage by normal using
正常使用皮帶磨損斷裂情形



INSTALLATION / 安裝



INSTALLATION GUIDE/ 安裝要領

自行車皮帶傳動系統安裝要領 INSTALLATION GUIDE

車架直接影響皮帶傳動系統性能的因素：

The bicycle frame plays a major role in the performance of the belt drive system.

中心線偏移量允許公差值(如圖一)

測量車架中心線與齒盤中心線之間的距離, 公差值須保持在 $\pm 1\text{mm}$ 。

CENTERLINE OFFSET (pic 1)

The distance between the center line of bicycle frame and sprockets should be keep inside $\pm 1\text{mm}$.

正確校準

AXIS ALIGNMENT

垂直面(如圖二)

五通軸心與後花鼓在垂直面的平行關聯

VERTICAL PLANE (pic 2)

The parallel relationship between the axis of the bottom bracket and the axis of the rear hub in the vertical plane.

水平面(如圖三)

五通軸心與後花鼓在平行面的平行關聯

HORIZONTAL PLANE (pic 3)

The parallel relationship between the axis of the bottom bracket and the axis of the rear hub in the horizontal plane.

防跳齒機構安裝 (如圖四) 適用於8M皮帶

PULLEY HOLDER INSTALLATION (pic 4)

安裝張力要求:

INSTALLATION BELT TENSIONING REQUEST

搭配扭力傳感器時要求安裝張力在150~170N, 其餘安裝張力160~180N

*皮帶張力計可使用市面上之張力計測量

Internal Gear Hub & Mid-Motor & Torque Sensor : 150~170N

Internal Gear Hub & Rear-motor & Speed Sensor: 160~180N

* 以上細節可諮詢本公司相關人員, 需要針對不同車種車架做微調整。

* More details, please check with us.