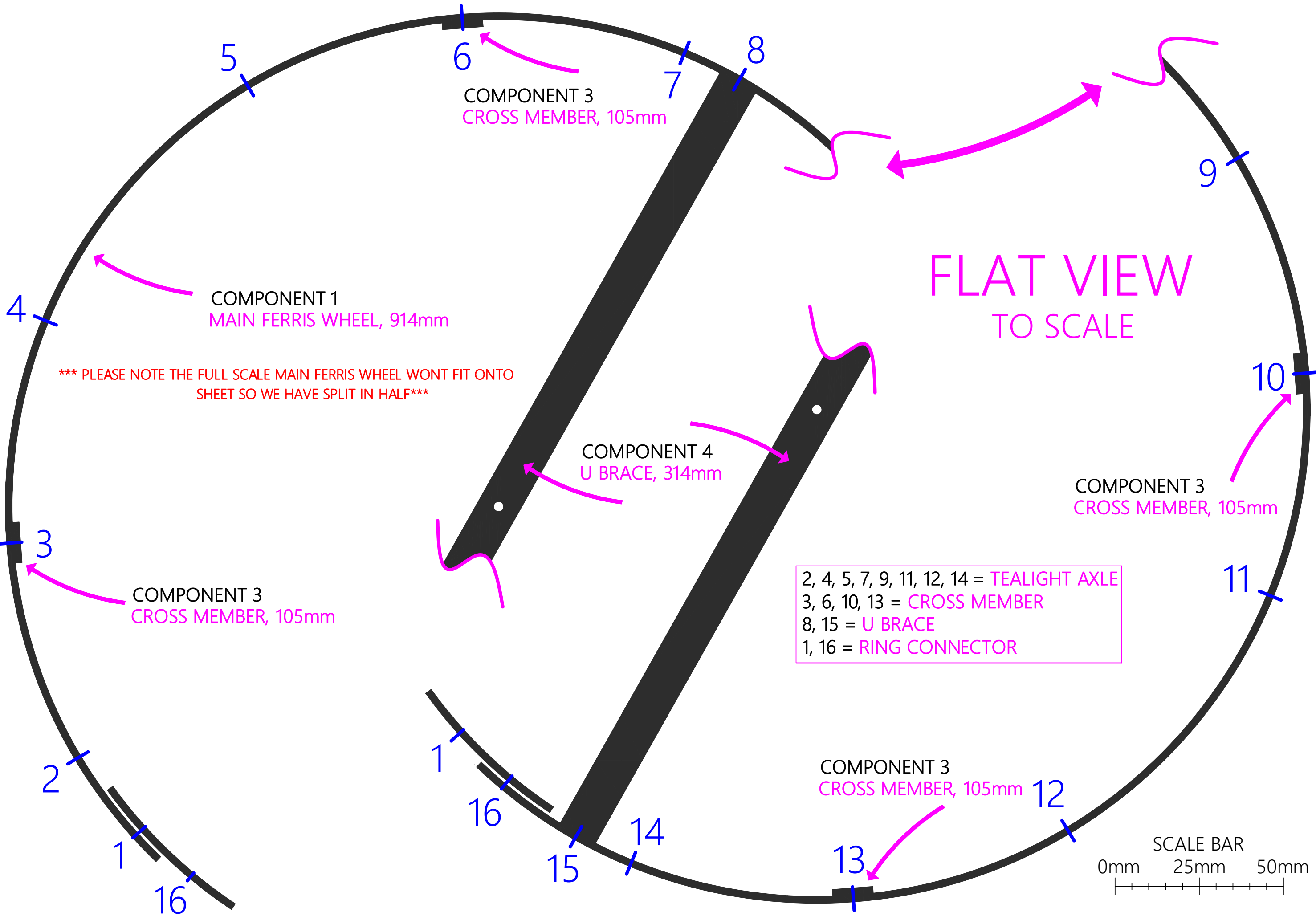


FERRIS WHEEL - TEMPLATE SHEET 1



COMPONENT 1
MAIN FERRIS WHEEL, 914mm

COMPONENT 3
CROSS MEMBER, 105mm

COMPONENT 4
U BRACE, 314mm

COMPONENT 3
CROSS MEMBER, 105mm

COMPONENT 3
CROSS MEMBER, 105mm

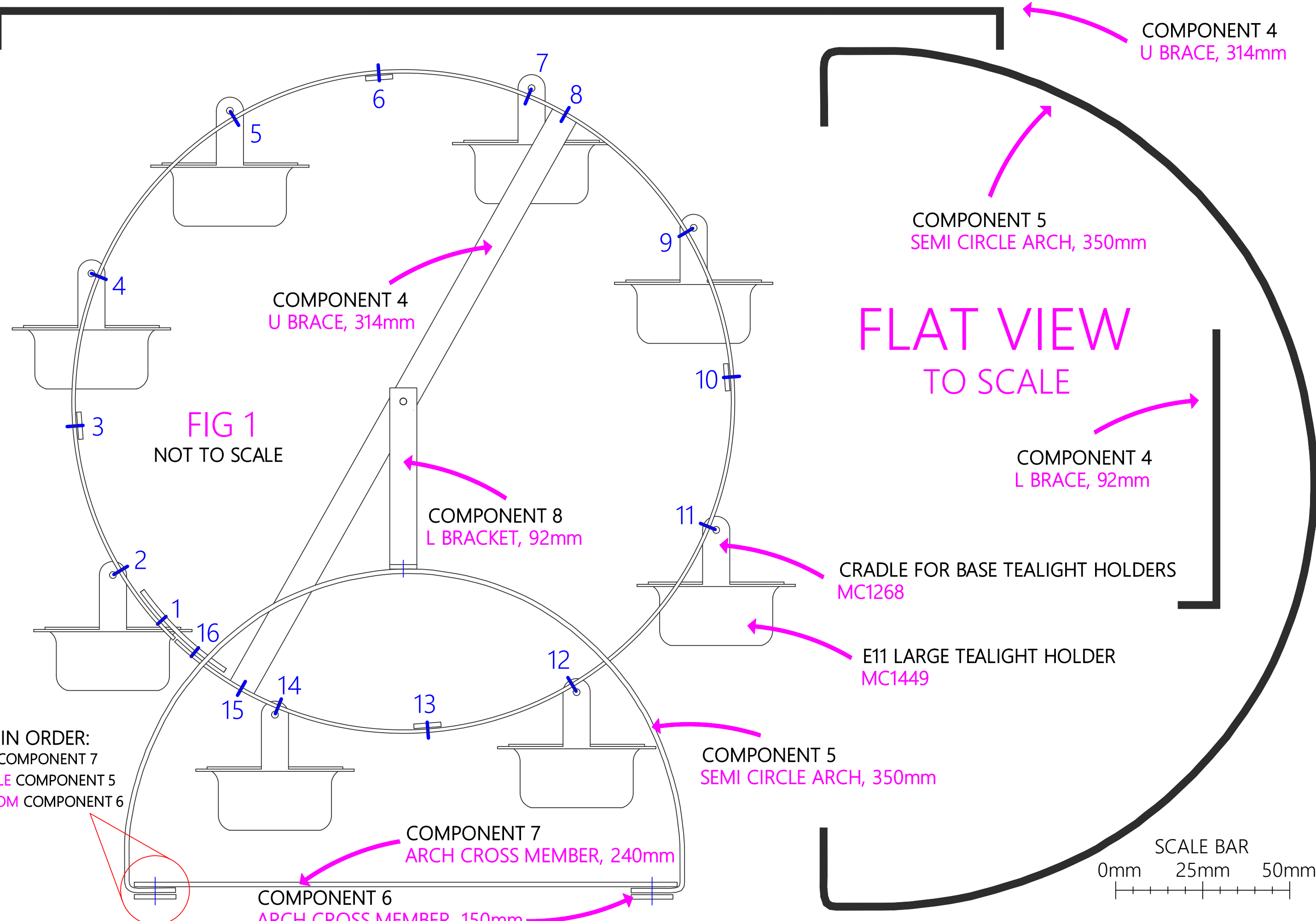
2, 4, 5, 7, 9, 11, 12, 14 = TEALIGHT AXLE
3, 6, 10, 13 = CROSS MEMBER
8, 15 = U BRACE
1, 16 = RING CONNECTOR

FLAT VIEW
TO SCALE

*** PLEASE NOTE THE FULL SCALE MAIN FERRIS WHEEL WONT FIT ONTO SHEET SO WE HAVE SPLIT IN HALF***

SCALE BAR
0mm 25mm 50mm

FERRIS WHEEL - TEMPLATE SHEET 2



FERRIS WHEEL - TEMPLATE SHEET 3

We recommend that before starting you wipe all steel bars down so that they are free of grease, scale or dirt. After cutting any component, we also recommend that you trim the corners for a neater finish, if preferred, unless these instructions tell you otherwise. Use a fine tip marker pen, pencil or scribe for making hole, bend, scroll, roll and twist points on the bars.

TO SCALE

COMPONENT 7 ARCH CROSS MEMBER 2 X2

CUT LENGTH 240mm, 12mm x 2mm (1/2 x 14G)



TO SCALE

COMPONENT 8 L BRACKET X2

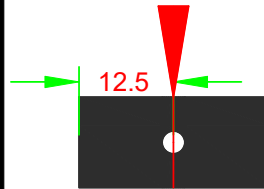
CUT LENGTH 92mm, 12mm x 2mm (1/2 x 14G)



TO SCALE

COMPONENT 9 WASHER X6

CUT LENGTH 25mm, 12mm x 2mm (1/2 x 14G)



TO SCALE

COMPONENT 10 FERRIS AXLE X1

CUT LENGTH 170mm, 3mm Rod



TO SCALE

COMPONENT 11 TEALIGHT AXLE X8

CUT LENGTH 140mm, 3mm Rod



LIST OF MATERIALS REQUIRED

- 5X LENGTHS OF 12MM X 2MM (1/2" X 14G) 3FT STEEL STRIPS (MC034)
- 1X LENGTH OF 3MM DIA ROD (MCNS002)
- 18X 3MM DIA 6MM LONG RIVETS (MC050L)
- 4X 3MM DIA 8MM LONG RIVETS (MC051L)
- 8X CRADLE FOR BASE TEALIGHTS HOLDERS ETC. (MC1268)
- 8X E11 LARGE TEALIGHT HOLDER (MC1449)

TOOL LIST

- CUTTING:** PRAC P/SH, MASTER P/PSH, XL5+ POWER BENDER
- PUNCHING:** PRAC P/SH, MASTER P/PSH, XL5+ POWER BENDER
- BENDING:** PRAC RBR, MASTER RBR + MICRO BENDER, XL5+ POWER BENDER + MICRO BENDER
- RIVETING:** PRAC RBR, MASTER RBR, XL5+ POWER BENDER
- ROLLING:** PRAC RBR, MASTER RBR, XL5+ POWER BENDER



HORSE - TEMPLATE SHEET 4

NOT TO SCALE

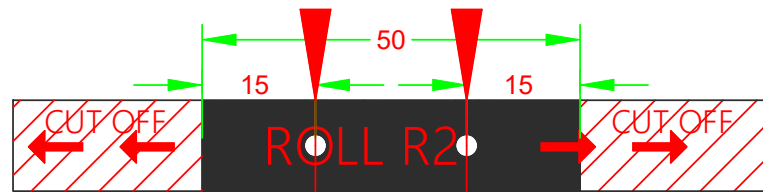
COMPONENT 1 MAIN FERRIS RING X2
CUT LENGTH 914mm, 12mm x 2mm (1/2 x 14G)



We recommend that before starting you wipe all steel bars down so that they are free of grease, scale or dirt. After cutting any component, we also recommend that you trim the corners for a neater finish, if preferred, unless these instructions tell you otherwise. Use a fine tip marker pen, pencil or scribe for making hole, bend, scroll, roll and twist points on the bars.

TO SCALE

COMPONENT 2 RING CONNECTOR X4
CUT LENGTH 100mm (CUT TO 50mm), 12mm x 2mm (1/2 x 14G)



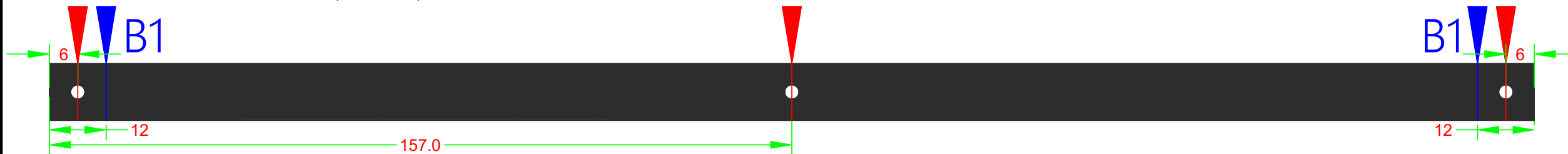
TO SCALE

COMPONENT 3 RING CROSS MEMBER X4
CUT LENGTH 105mm, 12mm x 2mm (1/2 x 14G)



TO SCALE

COMPONENT 4 U BRACE X2
CUT LENGTH 314mm, 12mm x 2mm (1/2 x 14G)



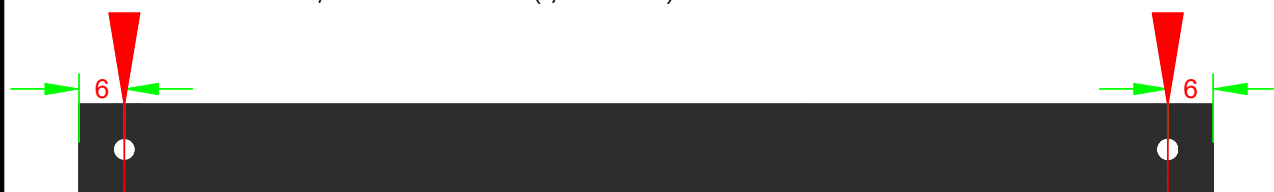
NOT TO SCALE

COMPONENT 5 SEM CIRCLE ARCH X2
CUT LENGTH 457mm, 12mm x 2mm (1/2 x 14G)



TO SCALE

COMPONENT 6 ARCH CROSS MEMBER 1 X2
CUT LENGTH 150mm, 12mm x 2mm (1/2 x 14G)



HORSE - TEMPLATE SHEET 5

STAGE 1 Cut all the strips at there desired cut lengths then on each strip, mark all bending and rolling positions onto the flat surface of the steel using the dimensions on **template sheet 3 & 4**.
*****Note some of the strips maybe to scale*****

STAGE 2 (COMPONENT 1 MAIN FERRIS RING): Start off with marking out hole positions at both ends then gradually roll the full length of **R1** until both ends meet forming a ring. Repeat for second ring needed.

STAGE 3 (COMPONENT 2 RING CONNECTOR): Roll full length of **R2** to form a curve to suit the ring. Then cut 25mm off both ends leaving a 50mm curve piece. Usng **template sheet 1**, place both **MAIN FERRIS RING** and **RING CONNECTOR** onto sheet and mark holes **1 and 16**. Then punch and rivet together to give you a solid ring. After achieving this, place the **MAIN FERRIS WHEEL** onto **templt sheet 1** and mark all holes **2 - 15**. Then punch all holes, repeat this on second ring.

STAGE 4 (COMPONENT 3 RING CROSS MEMBER): After cutting, place onto **template sheet 4** and mark puch hole positons. Repeat on all 4 strips. Then using **template sheet 1**, rivet each **CROSS MEMBER** to **MAIN FERRIS WHEEL** at hole positions **3, 6, 10 and 13**.

STAGE 5 (COMPONENT 4 U BRACE): After cutting, bend **B1** at 90 degrees and punch hole positions and check on **template sheet 4**. Repeat with other length. Then rivet to the **MAIN FERRIS WHEEL** at hole positions **8 and 15**.

STAGE 6 (COMPONENT 5 SEMI CIRCLE ARCH): Bend **B2** then punch holes at both ends. The Roll **R3**, check on **template sheet 2**. Repeat with other length.

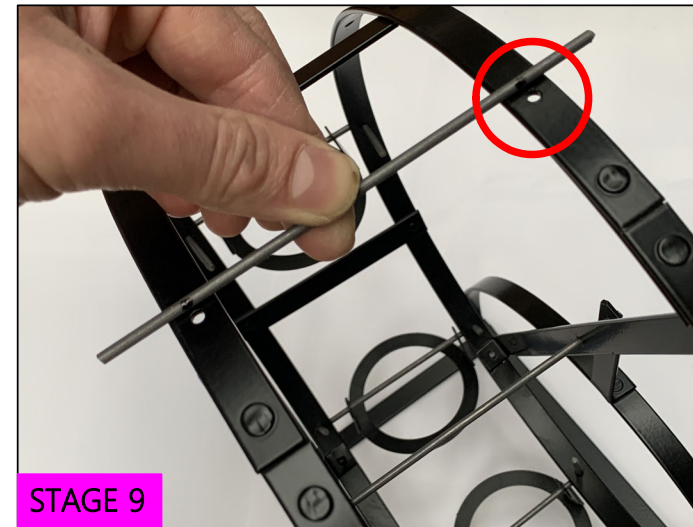
STAGE 7 (COMPONENT 6 & 7 ARCH CROSS MEMEBRS 1 AND 2): Cut and punch hole positons. The rivet onto **SEMI CIRCLE ACH** in order of assembly using **template sheet 2**.

STAGE 8 (COPONENT 8 L BRACKET): After cutting, Bend **B3** and punch hole. Check on **template sheet 4**. Rivet onto **SEMI CIRCLE ARCH**, check **template sheet 2**.

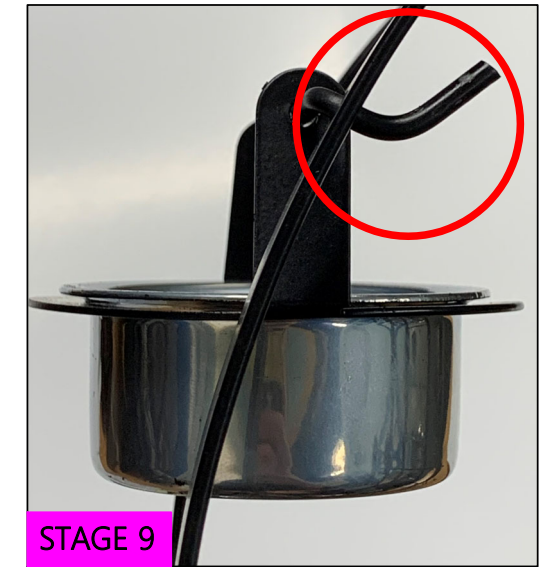
STAGE 9 (COMPONENT 11 TEALIGHT AXLE): Cut X8 3mm rod pieces at 140mm. After cutting, place your length roughly in the middle of the spaced ferris wheel and mark a line where the holes are, then bend a 90 degree bend at this point, then insert into the craddle **MC1268** and insert the unit into the wheel and using some pliers bend the ends to prevent from coming loose. See photo on right hand side for reference.

STAGE 10 (COMPONENT 9 WASHER): Cut x6 pieces at 25mm and punch hole in middle, use **template sheet 3** for reference.

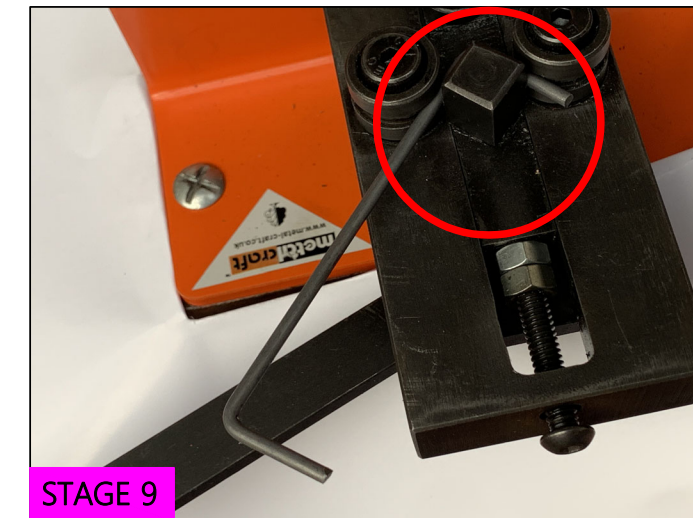
STAGE 11 (COMPONENT 10 FERRIS AXLE): Cut ferris axle length at 170mm using 3mm rod and insert into the middle of the **U BRACE** and **L BRACE** hole to help spin the ferris wheel, don't forget to place 3 washers either side between the **L BRACE** and the **MAIN FERRIS WHEEL**. This helps prevent the **U BRACE** from catching when spinning. See photo on right hand side for reference.



STAGE 9



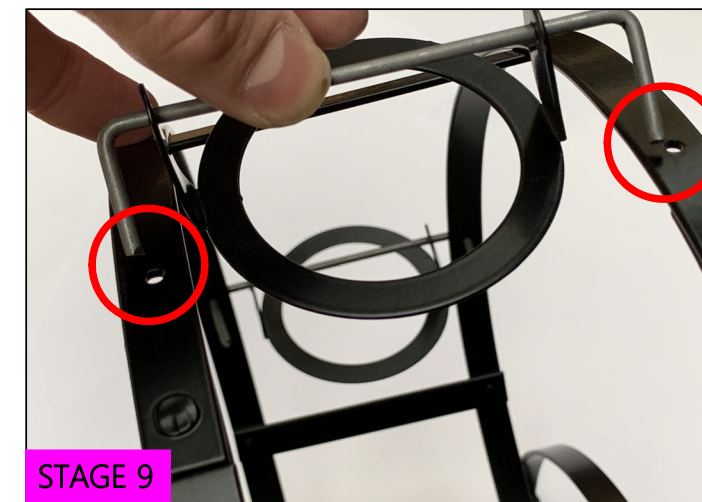
STAGE 9



STAGE 9



STAGE 9



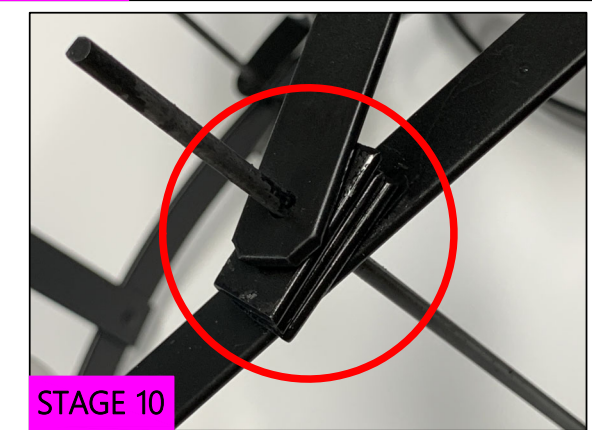
STAGE 9



STAGE 9



STAGE 11



STAGE 10