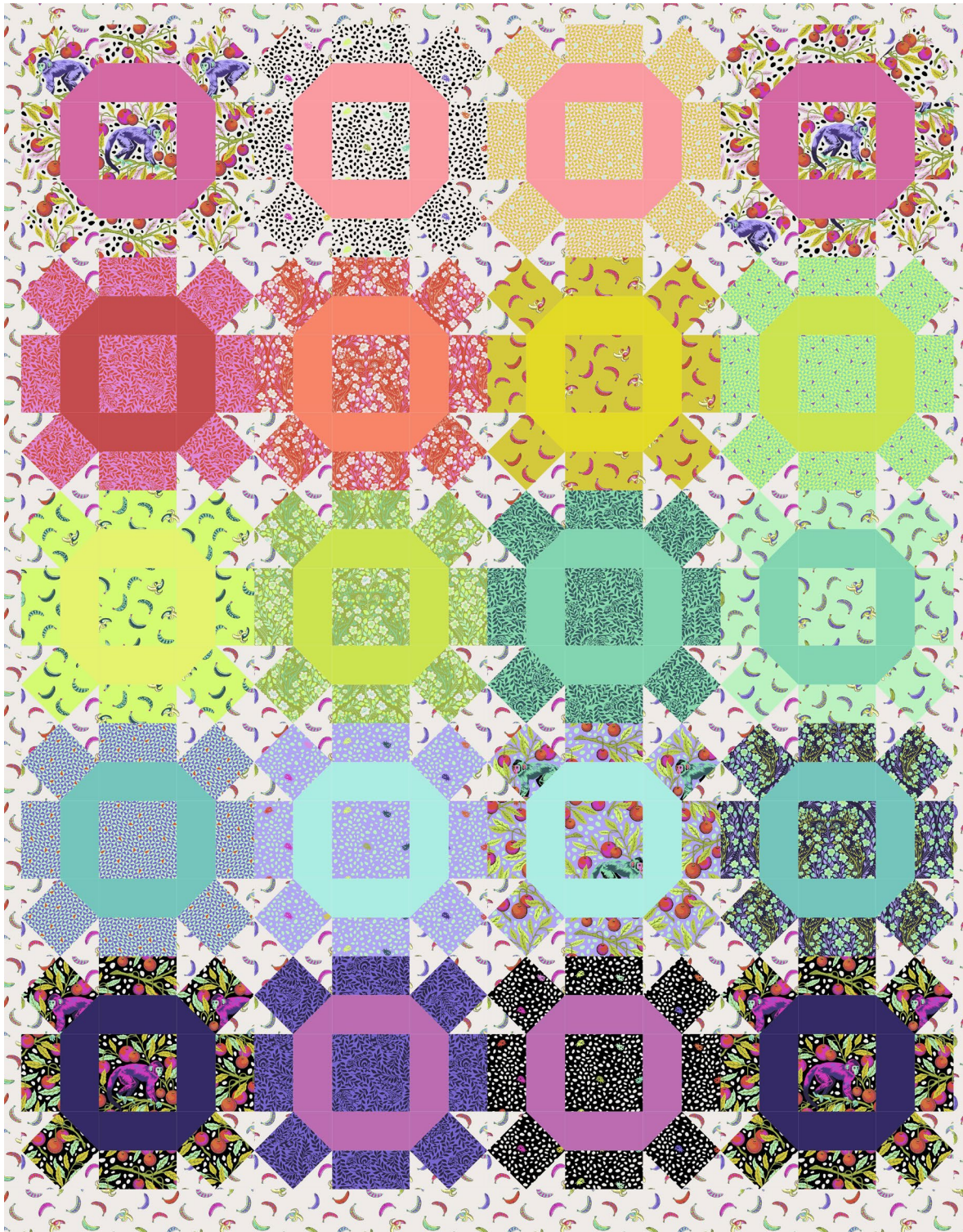




Nuts and Bolts Quilt

Featuring *Monkey Wrench* by Tula Pink

Such a fun way to play with color using Tula Pink's *Monkey Wrench* collection combined with her solids.

Collection:	Monkey Wrench by Tula Pink
Technique:	Piecing
Skill Level:	Intermediate
Finished Size:	Finished Quilt Size: 66" x 81" (167.64cm x 205.74cm)
	Finished Block Size: 15" (38.10cm) square

All possible care has been taken to assure the accuracy of this pattern. We are not responsible for printing errors or the manner in which individual work varies. Please read the instructions carefully before starting this project. If kitting it is recommended a sample is made to confirm accuracy.

Project designed by Stacey Day

Tech edited by Alison M. Schmidt

Fabric Requirements

DESIGN	COLOR	ARTICLE CODE	YARDAGE
(A) Monkey Wrench	Mango	PWTP134.MANGO	$\frac{1}{3}$ yard (0.30m)
(B) Monkey Wrench	Guava	PWTP134.GUAVA	$\frac{1}{3}$ yard (0.30m)
(C) Monkey Wrench	Dragon Fruit	PWTP134.DRAGONFRUIT	$\frac{1}{4}$ yard (0.23m)
(D) Parrot Prattle	Mango	PWTP135.MANGO	$\frac{1}{4}$ yard (0.23m)
(E) Parrot Prattle	Guava	PWTP135.GUAVA	$\frac{1}{4}$ yard (0.23m)
(F) Parrot Prattle	Dragon Fruit	PWTP135.DRAGONFRUIT	$\frac{1}{4}$ yard (0.23m)
(G) Don't Slip	Fruit Salad	PWTP136.FRUITSSALAD	2 yard (1.83m)
(H) Don't Slip	Mango	PWTP136.MANGO	$\frac{1}{4}$ yard (0.23m)
(I) Don't Slip	Guava	PWTP136.GUAVA	$\frac{1}{4}$ yard (0.23m)
(J) Don't Slip	Dragon Fruit	PWTP136.DRAGONFRUIT	$\frac{1}{4}$ yard (0.23m)
(K) Ribbit	Mango	PWTP137.MANGO	$\frac{1}{4}$ yard (0.23m)
(L) Ribbit	Guava	PWTP137.GUAVA	$\frac{1}{4}$ yard (0.23m)
(M) Ribbit	Dragon Fruit	PWTP137.DRAGONFRUIT	$\frac{1}{4}$ yard (0.23m)
(N) Hourglass	Mango	PWTP138.MANGO	$\frac{1}{4}$ yard (0.23m)
(O) Hourglass	Guava	PWTP138.GUAVA	$\frac{1}{4}$ yard (0.23m)
(P) Hourglass	Dragon Fruit	PWTP138.DRAGONFRUIT	$\frac{1}{4}$ yard (0.23m)
(Q) Spots on Spots	Mango	PWTP139.MANGO	$\frac{1}{4}$ yard (0.23m)
(R) Spots on Spots	Guava	PWTP139.GUAVA	$\frac{1}{4}$ yard (0.23m)
(S) Spots on Spots	Dragon Fruit	PWTP139.DRAGONFRUIT	$\frac{1}{4}$ yard (0.23m)
(T) Tent Stripe	Orchid	PWTP069.ORCHID*	$\frac{3}{4}$ yard (0.69m)
(U) Designer Essentials Tula Pink Solids FQ Bundle		FB1FQTP.SOLID	1 pack

* includes binding

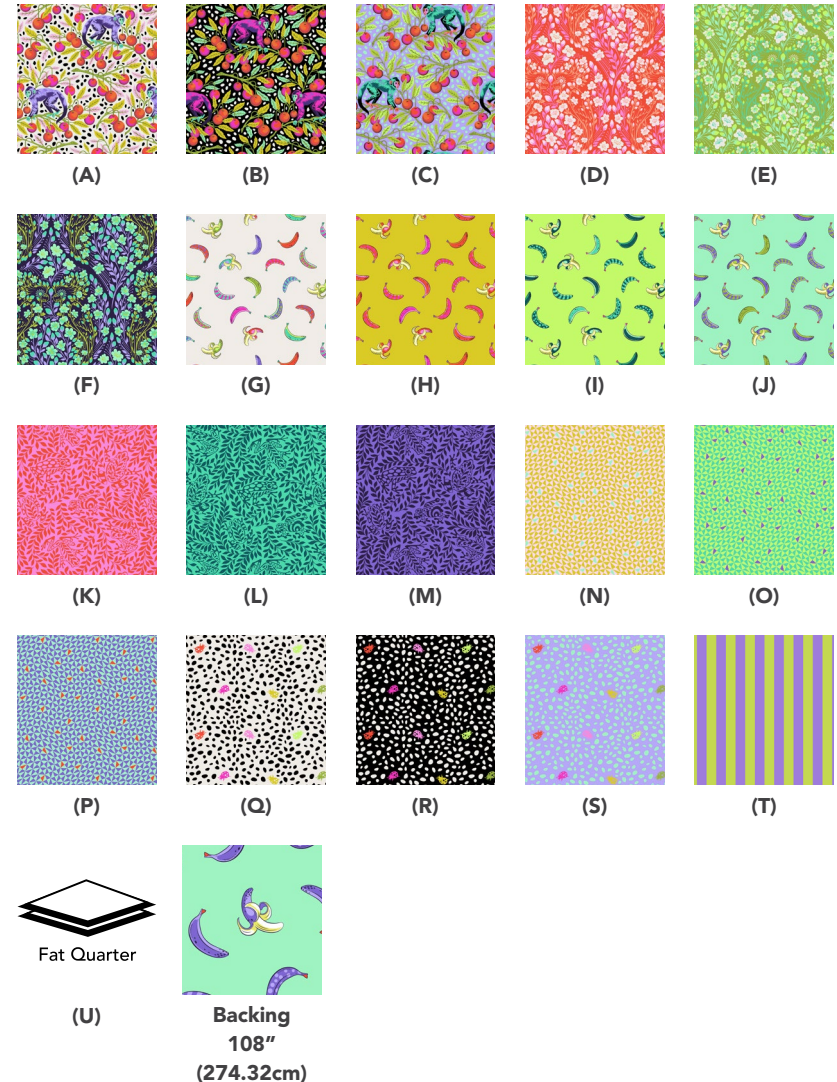
Backing (Purchased Separately)

44" (111.76cm) wide

OR

108" (274.32cm) wide

Don't Slip Dragonfruit QBTP003.DRAGONFRUIT $2\frac{1}{8}$ yards (1.94m)



Additional Requirements

- Tula Sunrise Aurifil Thread 100% cotton 50wt
- 74" x 89" (187.96 x 226.06) batting

Cutting

WOF = Width of Fabric

Fabric A and B, cut from each:

- (8) 3" x 5½" (7.62cm x 13.97cm) rectangles
- (8) 4" x 4" (10.16cm x 10.16cm) squares
- (2) 5½" x 5½" (13.97cm x 13.97cm) squares

Fabric C-F, H-S cut from each:

- (4) 3" x 5½" (7.62cm x 13.97cm) rectangles
- (4) 4" x 4" (10.16cm x 10.16cm) squares
- (1) 5½" x 5½" (13.97cm x 13.97cm) square

Fabric G, cut:

(11) 3¾" x WOF (8.57cm x WOF); cut (120) 3¾" x 3¾" (8.57cm x 8.57cm) squares, subcut diagonally once into 240 triangles
(8) 3½" x WOF (8.89cm x WOF); sew end to end and cut (2) 3½" x 75½" (8.89cm x 191.77cm) strips for vertical borders, and (2) 3½" x 66½" (8.89cm x 168.91cm) strips for horizontal borders.

Fabric T, cut:

Enough 2½" (6.35cm) wide bias strips to make 312" (7.92m) of finished bias binding

Designer Essential Solids FQ Bundle - Tula, Taffy, Limeade, Julep, Aegean, Seabreeze, Cosmo, and Diva, cut:

- (4) 3¾" x 3¾" (8.57cm x 8.57cm) squares, subcut diagonally once into 8 triangles
- (8) 3" x 5½" (7.62cm x 13.97cm) rectangles

Designer Essential Solids FQ Bundle - Cajun, Persimmon, Pear, and Mojito, cut:

- (2) 3¾" x 3¾" (8.57cm x 9.33cm) squares, subcut diagonally once into 4 triangles
- (4) 3" x 5½" (7.62cm x 13.97cm) rectangles

Instructions

Note: All seam allowances are ¼" (0.64cm). Pieces are sewn right sides together. Press seams as directed in diagrams.

Blocks

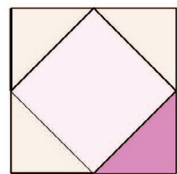
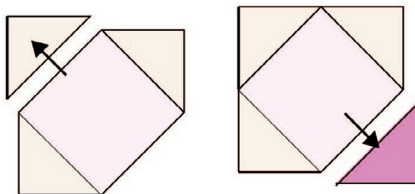
Work with one fabric group at a time. Make all the blocks in the same manner. Make (2) Blocks each from **Fabric A** and **B**, and (1) block each **Fabric C-F**, and **H-S**.

1. Group the prints and solids together using the table shown right.

Monkey Wrench Collection by color			Solid Fabric From FQ Bundle
	Fabric Design	Color	
A	Monkey Wrench	Mango	Tula
B	Monkey Wrench	Guava	Diva
C	Monkey Wrench	Dragon Fruit	Seabreeze
D	Parrot Prattle	Mango	Persimmon
E	Parrot Prattle	Guava	Limeade
F	Parrot Prattle	Dragon Fruit	Aegean
H	Don't Slip	Mango	Pear
I	Don't Slip	Guava	Mojito
J	Don't Slip	Dragon Fruit	Julep
K	Ribbit	Mango	Cajun
L	Ribbit	Guava	Julep
M	Ribbit	Dragon Fruit	Cosmo
N	Hourglass	Mango	Taffy
O	Hourglass	Guava	Limeade
P	Hourglass	Dragon Fruit	Aegean
Q	Spots on Spots	Mango	Taffy
R	Spots on Spots	Guava	Cosmo
S	Spots on Spots	Dragon Fruit	Seabreeze

2. Sew a **Fabric G** $3\frac{3}{8}$ " (8.57cm) triangle to 3 adjacent sides of a print 4" x 4" (10.16cm x 10.16cm) square as shown. Sew the paired solid $3\frac{3}{8}$ " (8.57cm) triangle to the remaining side, to make (4) Corner units.

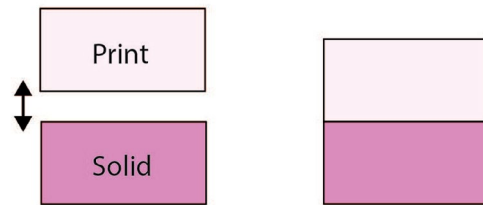
Fig. 1



Corner Unit
Make 4 per block

3. Sew the paired print and solid 3" x $5\frac{1}{2}$ " (7.62cm x 13.97cm) rectangles together as shown to make (2) Side units.

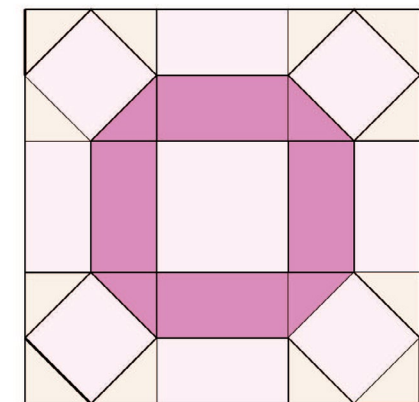
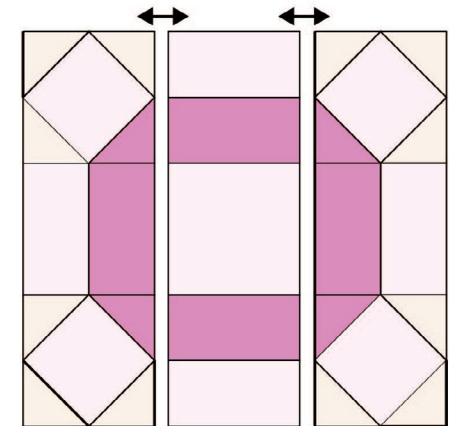
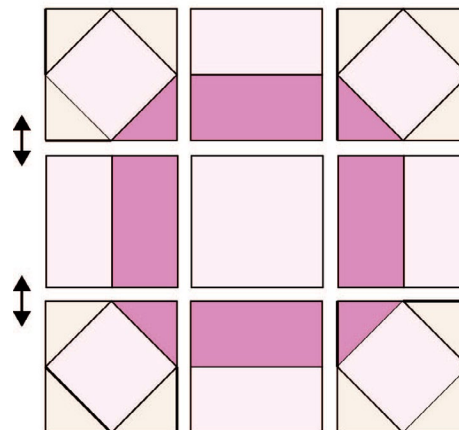
Fig. 2



Side Unit
Make 4 per block

4. Sew the Corner units, Side units, and print $5\frac{1}{2}$ " x $5\frac{1}{2}$ " (13.97cm x 13.97cm) squares together in a 3 x 3 layout to make the Block. If needed, square up to $15\frac{1}{2}$ " x $15\frac{1}{2}$ " (39.37cm X 39.37cm).

Fig. 3



Finished Block
 $15\frac{1}{2}$ " x $15\frac{1}{2}$ " (38.1cm x 38.1cm)

Quilt Top Assembly

5. Arrange the blocks in a 4 x 5 layout as shown in the layout diagram. Sew the blocks together in rows and then sew the rows together. Press the seam allowances open.
6. Sew the **Fabric G** vertical borders to the quilt top, press, and then sew the **Fabric G** horizontal borders to the quilt top.

Finishing

7. Layer backing (wrong side up), batting, and quilt top (right side up). Baste the layers together and quilt as desired. Trim excess batting and backing even with the top after quilting is completed.
8. Sew the **Fabric T** binding strips end to end using diagonal seams to make one continuous piece. Fold in half wrong sides together and press the length.
9. Leaving an 8" (20.32cm) tail of binding, sew the binding to the top of the quilt through all layers matching all raw edges. Miter corners. Stop approximately 12" (30.48cm) from where you started. Lay both loose ends of binding flat along quilt edge. Where the loose ends meet, fold them back on themselves and press to form a crease. Using this crease as your stitching line, sew the two open ends of the binding right sides together. Trim seam to 1/4" (.64cm) and press open. Finish sewing binding to quilt.
10. Turn the binding to the back of quilt and hand or machine stitch in place.

Quilt Layout

