Strap, Buckle and Keeper Chart

Buckle size is the strap it takes. Keeper length from the strap's own thickness.

Keeper strip (centerline) = 2 x (W + k) + 2 x (2t + k)

W = strap width, t = strap thickness, k = keeper thickness. Butt joint, no overlap. Wraps the strap plus the tip lying on it.

BY STRAP WIDTH (keeper 2 mm thick)

Strap	Buckle size	Keeper, 3 mm strap	Keeper, 4 mm strap	Tip (2.5 W)	Holes (W apart)	1st hole (3 W)
1/2 in	1/2 in	1.79 in	1.94 in	1.25 in	0.50 in	1.50 in
5/8 in	5/8 in	2.04 in	2.19 in	1.56 in	0.62 in	1.88 in
3/4 in	3/4 in	2.29 in	2.44 in	1.88 in	0.75 in	2.25 in
1 in	1 in	2.79 in	2.94 in	2.50 in	1.00 in	3.00 in
1 1/4 in	1 1/4 in	3.29 in	3.44 in	3.12 in	1.25 in	3.75 in
1 1/2 in	1 1/2 in	3.79 in	3.94 in	3.75 in	1.50 in	4.50 in
1 3/4 in	1 3/4 in	4.29 in	4.44 in	4.38 in	1.75 in	5.25 in
2 in	2 in	4.79 in	4.94 in	5.00 in	2.00 in	6.00 in

Buckle size: Weaver Leather Supply ('Size denotes strap width'); Sailrite (inside buckle dimensions). Tip and hole spacing: the 'traditional' rule quoted on leatherworker.net; other makers use 1 in holes on belts and shoulder straps, and closer holes on narrow straps. Keeper thickness 2 to 2.5 mm per leatherworker.net. Three times the width (Dictum) is a piece to cut from, then wrap to fit.

WATCH STRAPS (Delugs guide)

Size	Long side	Short side	Hole spacing	Hole size
S	105 mm	65 mm	6 mm	1.8 mm
M	115 mm	70 mm	6 mm	1.8 mm
L	125 mm	75 mm	6 mm	1.8 mm

Keeper Wrap Test and Worksheet

Numbers get close. The wrap test gets it right.

WRAP TEST

1. Cut a short piece of the real strap and a short piece of the real tip end.
2. Stack them as they will sit in the keeper: strap, then tip on top.
3. Wrap a strip of the keeper leather around the stack, snug but able to slide.
4. Mark where the ends meet for a butt joint, or add the overlap you want.
5. Cut, skive the ends if thick, and sew or glue around the same stack.

WORKSHEET

A. Strap width W (in) _____

B. Strap thickness t (mm) _____

C. Keeper thickness k (mm) _____

D. Keeper strip = 2 x (W + k) + 2 x (2t + k) (convert mm to in: / 25.4) _____

E. Overlap or joint allowance (in) _____

F. Cut length = D + E _____

G. Buckle to buy = W _____

H. Hole spacing chosen, number of holes, tip length _____