## LILJA MACRAMÉ RUG

Design: Lankava, Sanna Peltoluhta.
Size: 95 cm .
Cord: 360 m (approx. 2-2,1 kg) of Lankava Paulina Chunky Twine ( 80 \% recycled cotton, 20 \% polyester, $1 \mathrm{~kg}=170-180 \mathrm{~m}$ ), terracotta (86).
Square Knot = SK (pics 1 - 2): 3): Use 4 cords to make a knot in 2 stages. Stage 1: Take the left cord over the 2 center cords and behind the right cord, then take the right cord behind the center cords and up and through the loop formed by the left cord. Tighten the knot by pulling the cords in opposite directions. Stage 2: Take the right cord over the center cords and behind the left cord, then take the left cord behind the center cords and up and through the loop formed by the right cord. Tighten the knot below the previous ones. $=1 \mathrm{SK}$.
Double Half Hitch = DHH (pic 3): Keeping the filler cord horizontally in front of the working cords with your right hand, *take the working cord up and around the filler cord, then take it back down. Tighten the knot around the filler cord. ${ }^{*}$ Repeat *-* once more with the same working cord. Tighten the knots next to each other.
Diagonal Double Half Hitch to the right = DDHH to the right (pic 4): Keeping the filler cord diagonally in front of the working cords with your right hand, *take the working cord up and around the filler cord, then take it back down. Tighten the knot around the filler cord.* Repeat *-* once more with the same working cord. Tighten the knots next to each other. Work DDHH to the left as a mirror image: Keeping the filler cord diagonally in front of the working cords with your left hand, *take the working cord up and around the filler cord, then take it back down. Tighten the knot around the filler cord.* Repeat *-* once more with the same working cord. Tighten the knots next to each other.

Instructions: Cut working cords into different lengths: 23 of length $3.8 \mathrm{~m}, 36$ of length $3.4 \mathrm{~m}, 30$ of length 2.4 m and 46 of length 1.5 m . Cut one filler cord of length 4.1 m , second of length 1.8 m and third of length 2.2 m . Start by making a ring. Fold the 4.1 m filler cord in half and place it horizontally in front of you on the table. Then, tie the 3.8 m working cords to the doubled filler cord using Lark's Head Knots as follows: Fold the working cord in half, place the fold under the filler cord, thread the loose ends through the fold and tighten the knot onto the filler cord. Tie the remaining 22 cords in the same way. Then close the filler cord into a ring as follows: Thread the loose end of the filler cord through the folded loop and tighten the cord to a ring of about 4 cm in diameter. Start knotting as a spiral on a suitable surface.
Round 1: *Take 4 cords and make $1 \mathrm{SK}^{*}$, repeat *_* to end of round $=12$ SKs. Place a safety pin as a marker between the first and last knot to indicate the beginning of round. Move the marker as you progress.
Round 2: Leave 2 cords straight, *tale next 4 cords and make 1 SK with them, leave 4 cords straight*, repeat *_* to end of round and leave the last 2 cords straight $=6$ SKs. Then make the petals of the flower using DHHs in groups of 8 cords.
Round 3: *Take the $1^{\text {st }}$ cord from the left as the filler cord and make 3 DDHHs to the right around it towards the apex of the triangle. Then take the $8^{\text {th }}$ from the left as the filler cord and make 4 DDHHs to the left.* Repeat *-* to end of round..
Round 4: Take the $1^{\text {st }}$ cord from the left as the filler cord and make 3 DDHHs to the right around it. Then take the $8^{\text {th }}$ cord from the left as the filler cord and make 4 DDHHs to the left around it, continue by adding three 3.4 working cords to the filler cord as follows: *tie a new working cord using Lark's Head Knot onto the filler cord, then take the $1^{\text {st }}$ working cord from the left and make 1 DHH , then add a new working cord, take the $2^{\text {nd }}$ working cord from the left and make 1 DHH , add the $3^{\text {rd }}$ new cord, take the $3^{\text {rd }}$ working cord from the left and make $1 \mathrm{DHH}^{*}$. Then take the $4^{\text {th }}$ cord from the right as the filler cord and repeat *-* to the right diagonally and make DHHs with the working cords 8 -6. Take the next 8 cords and repeat Rounds $3-4$, 5 times more.

Round 5: *Take $10+10$ cords from the adjacent petals. Take the $11^{\text {th }}$ cord from the left as the filler cord and make 1 DDHH to the left around it. Take the $1^{\text {st }}$ cord from the left as the filler cord and make 9 DDHHs to the right. Take the $1^{\text {st }}$ cord from the right as the filler cord and make 10 DDHH to the left around it*, then take the next 20 cords and repeat *-* to end of round. The beginning of round is now at the tip of the outmost petal.
Round 6: *Take 4 cords and make $1 \mathrm{SK}^{*}$, repeat *-* to end of round $=30$ SKs.
Round 7: From the beginning of round, take $2+2$ cords and make 2 SKs with them, *take the next 4 cords and make 2 SKs* $^{*}$, repeat ${ }^{*-*}$ to end of round $=30$ SK cords.
Round 8: *Take 4 cords and make 2 SKs, repeat *-* to end of round $=30$ SK threads.
Round 9: As Round 7.
Round 10: Make 1 round of DHHs. Pin the 1.8 filler cord to the left side of the beginning of round. *Take the working cords of the first SK cord and make 4 DHHs around the filler cord with them, then add a 2.4 m working cord to the filler cord*, repeat *-* to end of round, but add the working cord of the last space as follows: Remove the pin, place the filler cords coming from the opposite directions on top of each other and tie a new working cord so that the overlapping filler cords are inside the Lark's Head Knot and DHHs. Be careful not to make the filler cord too tight. The DHHs can be adjusted to the desired distance from each other as the work progresses and at the end.
Round 11: *Take 4 cords and make $1 \mathrm{SK}^{*}$, repeat *-* to end of round $=45$ SKs.
Round 12: From the beginning of round, take $2+2$ cords and make 2 SKs, *take the next 4 cords and make 2 SKs with them*, repeat *-* to end of round $=45$ SK cords.
Round 13: *Take 4 cords and make 2 SKs with them*, repeat *-* to end of round $=45$ SK cords.
Round 14: As Round 12.
Round 15: Make 1 round of DHHs. Pin the 2.2 m filler cord to the left side of the beginning of round. *Take the working cords of the SK cord and make 4 DHHs around the filler cord with them, then add a 1.5 m working cord to the filler cord with a Lark's Head Knot *, repeat *-* to the end of round, but add 2 working cords to the last space.
Round 16: From the beginning of round, take $2+2$ cords and make 1 SK with them, *take the next 4 cords and make 1 SK with them*, repeat *-* to end of round $=68$ SKs.
Round 17: *Take 4 cords and make 1 SK with them*, repeat *_* to end of round $=68$ SKs.
Round 18: Leave 2 cords straight, *take the next 4 cords and make 1 SK, leave 4 cords straight*, repeat *-* to end of round and in the end, leave 2 cords straight. Then make the HH Knot motifs of the edge in groups of 8 cords.
Round 19: *Take the $1^{\text {st }}$ cord from the left as the filler cord and make 3 DDHHs to the right around it towards the apex of the triangle, then take the $8^{\text {th }}$ cord from the left as the filler cord and make 4 DDHHs to the left around $\mathrm{it}^{*}$, repeat *-* once more**, take the next 8 cords and repeat *-** to end of round.
Round 2: Take $4+4$ cords from the adjacent DHH motifs. *Take the $1^{\text {st }}$ cord from the left as the filler cord and make 3 DDHHs to the right around it with the working cords $4-2$. Then take the $1^{\text {st }}$ cord from the right as the filler cord and make 4 DDHHs to the left around it with the working cords 5, 6, 7 and $4^{*}$.
Round 21: Take the $1^{\text {st }}$ cord from the left as the filler cord and make 3 DDHHs to the right around it. Then take the $1^{\text {st }}$ cord from the right as the filler cord and make 4 DDHHs to the left around it.
Then take the next 8 cords and repeat Rounds $20-21$ to the end.
Finishing: Fasten off all filler cords inside the DHHs on the wrong side of the work. Flatten the rounds of DHHs as needed. Trim the fringes. Dampen the rug and let dry flat.

Pics 1 - 2


Pic 3


Pic 4


