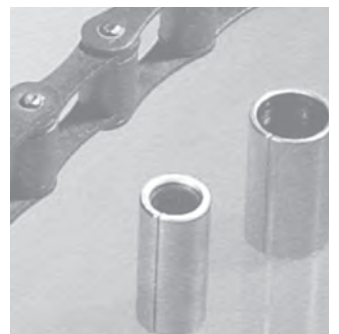
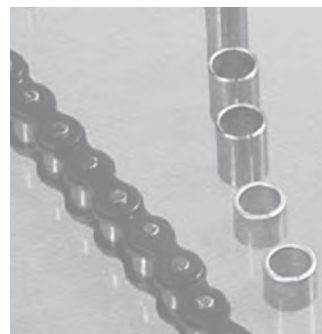


Machines for the Production of Bushes and Rollers JL, JM, JN Type MRP



Machines for the Production of Bushes and Rollers JL, JM, JN

Hilgeland
Kieserling
MRP
Nutap

The JL, JM and JN, type MRP, manufacture closed bushes and rollers maintaining extremely close tolerances. These machines are used for the production of chains for bicycles and motorcycles, control and conveying applications, as well as articulation bushes, distance bushes and the like.

The JL, JM and JN machines all function on the special MRP curling principle.

What distinguishes the MRP curling method is the radial cut of the blanks which – in contrast to other systems – does not take place until the ends of the blanks have been curled to form the circular shape on both sides.

The produces edges that are congruent with the centre-line of the circle and converse with absolute precision (refer to diagram “Principles of Curling”).

Scrap-free processing of bright strip material – no material losses. Simple, inexpensive tooling and production of bushes and rollers on one single machine. These are the essential advantages of the machines type MRP, available in three different sizes.

Bushes and rollers manufactured on machines type MRP are calibrated both inside and outside after the curling process.

Machines for the Production of Bushes and Rollers JL, JM, JN (Type MRP)

Technical Data		JL 1	JL 2	JM 1	JM 2	JN
Working range:						
Bushes or rollers with strip width	mm	3 – 23	3 – 14	10 – 40	10 – 30	20 – 70
at strip thickness	mm	0,7 – 1,5	0,7 – 1,5	1,2 – 2,2	1,2 – 2,2	1,5 – 3,0
internal bush diameter	mm	3,5 – 7,5	3,5 – 7,5	6,0 – 15,0	6,0 – 15,0	10,0 – 30,0
Bushes or rollers with strip width	mm	6 – 13	5 – 13			20 – 50
at strip thickness	mm	0,7 – 2,0	1,0 – 2,0			1,5 – 4,0
internal bush diameter	mm	5,0 – 10,0	5,0 – 10,0			15,0 – 30,0
Tensile strength at max. strip cross section	N/mm ²	600	600	500	500	500
Output	max. pcs/min.*	270	420	180	220	90
Main motor	kW	4,0	4,0	11,0	11,0	11,0
Machine weight	approx. kg	1000	1000	1750	1750	3700

*) The output depends on material and product.

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The specifications are not binding as these could vary on account of technical developments.

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