

## Heavy Load Carriers Moving Loads Easily



The conveyor roller of series 93000 is completely made of steel. Both the roller floor and the accompanying seal bonnet are carried out as a labyrinth box. Depending on your choice the roller floors come equipped with cup-and-cone bearing or precision deep groove ball bearing (DIN 625) made of steel or stainless steel. Because of its special arrangement of bearings the conveyor roller of series 93000 is low-noise running and has excellent running qualities. The low-noise running has advantages especially when used powered.

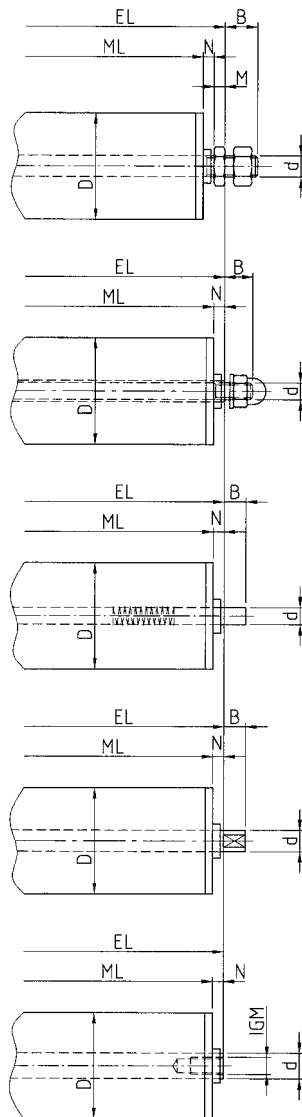
### GURA Universal Conveyor Roller of Series 93000

Bearings:	plastic roller floor	Ø 50mm = 160 daN/roller*
	ball bearing	Ø 60 mm = 160 daN/roller*
	steel or stainless steel	Ø 80 mm = 160 / 300 daN/roller*
		Ø 50 mm = 50 daN/roller, stainless steel bearing*
		Ø 60 mm = 200 daN/roller, stainless steel bearing*
Tubes:		Ø 80 mm = 50 daN/roller, stainless steel bearing*
	steel tube, bright (SB)	Ø 50, 60, 80, und 80 mm
	steel tube, zinc-plated (SV)	
	steel tube, stainless steel (SN)	
	plastic tube	Ø 63 mm
	aluminium tube (AL)	Ø 50 mm
Axles:	bright, zinc-plated and stainless steel	Ø 8 - 20 mm
Axle ends:	external thread (AG)	Ø 8, 10, 12 mm
	wrench flat (SW)	Ø 10, 12, 17, 20 mm
	internal thread (IG)	Ø 12, 15, 17, 20 mm
	spring loaded axle (FA)	Ø 8, 10, 12 mm
	hexagon spring loaded axle (FA)	11 SK

\* The carrying capacities listed above refer to the bearing assemblies per roller.

Depending on the design the carrying capacities of the tube and axle may be lower than these values.

If desired we can calculate the carrying capacity of your roller.



Axle Fixings	Axle Code	d [mm]	M [mm]	Axial Play [mm]	B [mm]
External Thread Axle	AG 8	8	4	3	11
	AG 10	10	5	3	15
	AG 12	12	6	3	18
Spacer Tube with External Thread Axle	DR 10 AG 8	8		3	11
Spring Loaded Axle	FA 8	8		3	10
	FA 10	10		3	10
	FA 11 SK	11		3	10
	FA 12	12		3	10
Wrench Flat Axle	10 SW 8	10		3	10
	12 SW 10	12		3	10
	17 SW 13	17		3	12
	20 SW 15	20		3	15
Internal Thread Axle	12 IG M 8x15	12		3	
	15 IG M 10x20	15		3	
	17 IG M 10x20	17		3	
	20 IG M 12x25	20		3	

Series	Bearing Material	Tube Dimension [DxW]	Tube Material	Possible Axle Diameter [d]	Axle Material	Hub Width N [mm]	Max. Capacity of Bearing per Roller [daN]
93500	cup-and-cone bearing SB	50x1.5	SB, SV, SN, AL	8, 10,12,11SK		4	160
93500SN	cup-and-cone bearing SN	50x1.5	SB, SV, SN, AL	8, 10,12,11SK		4	50
93510	precision bearing SB	50x1.5	SB, SV, SN, AL	8, 10,12,11SK		4	160
93520	cup-and-cone bearing SB	50x2.8	KU blue /grey*	8, 10, 12, 11 SK		4	160
93520SN	cup-and-cone bearing SN	50x2.8	KU blue /grey*	8, 10, 12, 11 SK		4	50
93530	precision bearing SB	50x2.8	KU blue /grey*	8, 10, 12, 11 SK	SB	4	160
93600	cup-and-cone bearing SB	60x1.5	SB, SV, SN	8, 10,12	SN	4	160
93600SN	cup-and-cone bearing SN	60x1.5	SB, SV, SN	8, 10,12		4	50
93610	precision bearing SB	60x1.5	SB, SV, SN,	8, 10,12,		4	160
93620	cup-and-cone bearing SB	63x3.0	KU, blue	8, 10, 12		4	160
93620SN	cup-and-cone bearing SN	63x3.0	KU, blue	8, 10, 12		4	50
93630	precision bearing SB	60x3.0	KU, blue	8, 10, 12		4	160
93640	cup-and-cone bearing SB/SN	60x2.0	SB, SV, SN	8, 10, 12		4	160
93640SN	cup-and-cone bearing SN	60x2.0	SB, SV, SN	8, 10, 12		4	50
93650	precision bearing SB	60x2.0	SB, SV, SN	10, 12		4	160
93800	cup-and-cone bearing SB	80x2.0	SB, SV, SN	10, 12, 15		4	160
93800SN	cup-and-cone bearing SN	80x2.0	SB, SV, SN	10, 12, 15		4	50
93810	precision bearing SB	80x2.0	SB, SV, SN	10, 12, 15		4	160
93860	precision bearing SB	80x2.0	SB, SV, SN	17, 20		5	300

\* On request. Example order: Roller series 93500 SN 50x1,5 SV 12IGM 8x15 SV EL450