
Accessories

80 **Mounting brackets for Motorized Pulley and Idler**

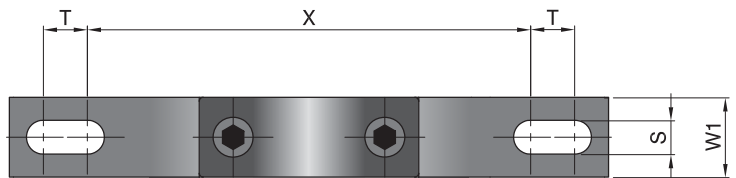
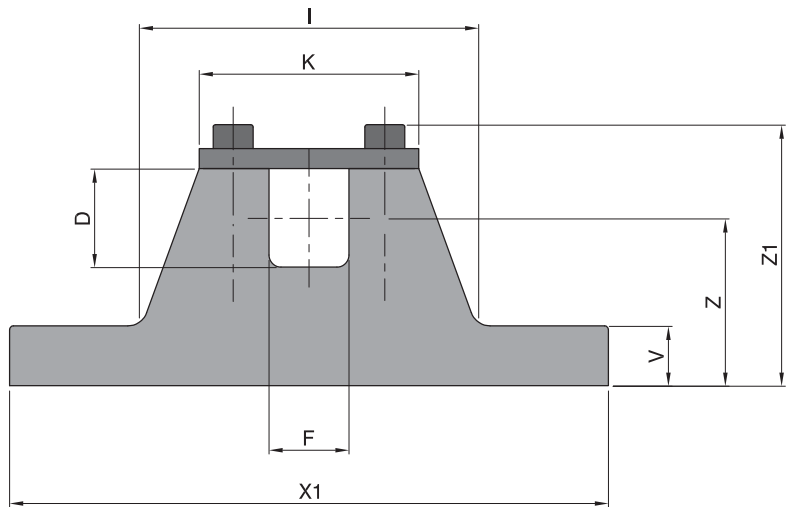
81 **Tension rollers**

Tension Rollers, alternatives to standard Idler Pulleys



Mounting brackets for Motorized Pulley and Idler

Product range																
Motorized pulley	Type	Material	D [mm]	F [mm]	I [mm]	K [mm]	S [mm]	T [mm]	V [mm]	W1 [mm]	X [mm]	X1 [mm]	Z [mm]	Z1 [mm]	Thread	Weight [kg]
80LS	KL 20	Aluminium	20	14	57	38	6,5	9	12	10	72	103	35	55	M6	0,14
113LS	KL 25	Aluminium	25	20	85	55	8,5	11	15	20	110	150	42	66	M6	0,51
138LS	KL 30-A	Aluminium	30	20	89	55	8,5	11	15	20	110	150	44,5	71	M6	0,54
138LS	KL 30-B	Cast iron with black powder coat	30	20	86	57	11	17	12	24	110	180	44,5	72	M8	1,4
165LS-320M	KL 41-HD	Steel with black powder coat	40	30	84	62	14	20	22	40	110	190	50	83	M8	2,1
165LS-320M	KL 41-S/S	Stainless steel	40	30	84	62	14	20	22	40	110	190	50	83	M8	1,9
320H	KL 42	Steel with black powder coat	50	40	121	90	18	30	25	50	150	250	70	110	M8	4,5



Tension Rollers

Alternatives to standard Idler Pulleys



General characteristics

APPLICATION: For use on unit handling belt conveyors where Motorized Pulleys up to 165LS are used. Can be applied to most environments including wet, with specifications suitable for food handling.

NOTE: when required smaller roller diameters are available for limited space or weight applications.

STANDARD EXECUTION: steel or galvanized steel tube, steel shaft, shaft executions milled or drilled and threaded, labyrinth seals or external bearings 2RS.

Roller type:

RSP: With 2RS bearings seated in counter bored tube.

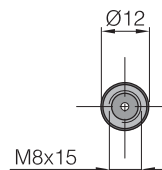
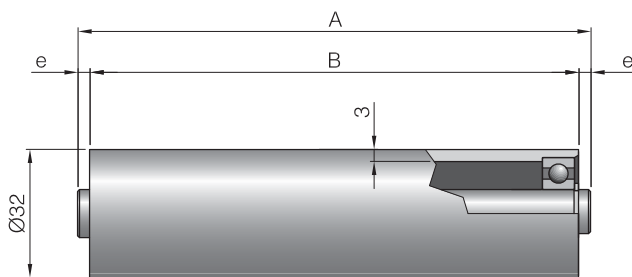
MPS: With 2RS bearings seated in counter bored tube and labyrinth seals with semi-hermetic outer trim in galvanized steel.

117: with polymer PA6 bearing seats and dual screen 2Z bearings lubricated for life.

RTL: with polymer PA6 bearing seats and labyrinth seals with semi-hermetic outer trim in galvanized steel.

OPTIONS: Electrolytic galvanized or stainless steel shaft, galvanized or stainless steel tube for food and / or wet applications.

Roller type	Ø D	s	d	e	Dimensions mm			C max	Bearing	Shaft	Standard execution	
					Ch x g	M	Tube				Sealings	
RSP/6H	32 J	3	12	4		M8 x 15	500	6001 2RS	steel	galvanized steel	2RS Bearings	
MPS/3	38 N	2,6	15	6,5	17 x 9		500	6202	steel	steel	labyrinth	
MPS/3	38 N	2,6	15	6,5		M10 x 18	600	6202	steel	steel		
117/15	51 J	2	15	4	12 x 9		700	6202 2Z	steel	galvanized steel	Metal screen	
117/15	51 J	2	15	4		M10 x 18	700	6202 2Z	steel	galvanized steel	2Z Bearings	
RTL/1	60 J	2	15	4	17 x 9		600	6202	steel	galvanized steel	labyrinth	
RTL/1	60 J	2	15	4		M10 x 18	700	6202	steel	galvanized steel		
RSP/C9	50 N	3	20	4	14 x 12		800	6204 2RS	steel	steel	2RS Bearings	
RSP/C9	50 N	3	20	4		M12 x 20	800	6204 2RS	steel	steel		
RSP/C9	50 N	6	20	4	14 x 12		800	6204 2RS	steel	steel		
RSP/C9	50 N	6	20	4		M12 x 20	800	6204 2RS	steel	steel		
RSP/3C	60 N	6	25	4	18 x 12		1000	6205 2RS	steel	steel		
RSP/3C	60 N	6	25	4		M16 x 25	1000	6205 2RS	steel	steel		

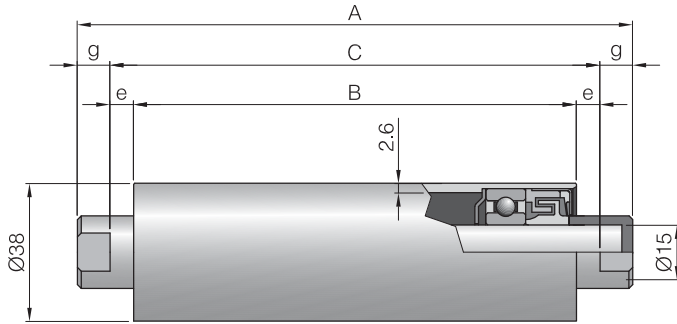


RSP/6H
Drilled and threaded shaft execution

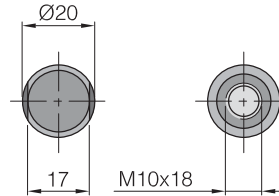


Tension rollers

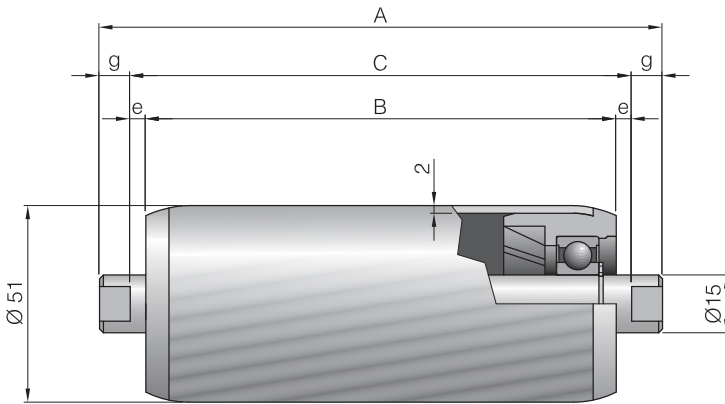
Alternatives to standard Idler Pulleys



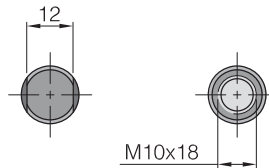
MPS/3
shaft execution with key
obtained with metal sleeve



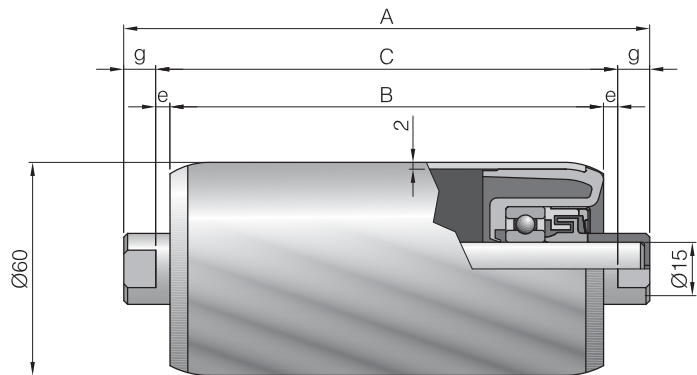
MPS/3
drilled and threaded
shaft execution



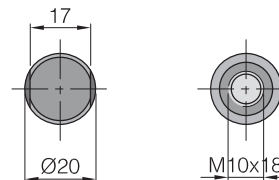
117/15
flats shaft execution



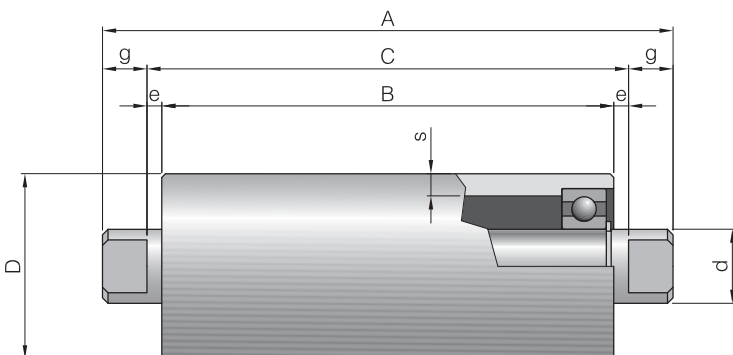
117/15
drilled and threaded
shaft execution



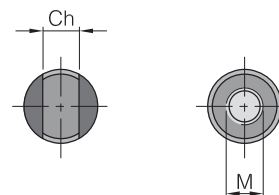
RTL/1
shaft execution with key obtained
with metal sleeve



RTL/1
drilled and threaded
shaft execution



RSP/C9, 3C
flats shaft execution



RSP/C9, 3C
drilled and threaded
shaft execution

Tension rollers

Alternatives to standard Idler Pulleys



Technical data and options on request						
Roller type	Ø D	Max Speed		Max Capacity daN	Options	
		rev/min	m/s		Shaft	Tube
RSP/6H	32 J	600	1	100	J, I	N, I
MPS/3	38 N	600	1.2	110	J, I	J, I
MPS/3	38 N	600	1.2	150	J, I	J, I
117/15	51 J	600	1.3	120	J, I	N, I
117/15	51 J	600	1.3	150	J, I	N, I
RTL/1	60 J	500	1.6	120	J, I	N, I
RTL/1	60 J	500	1.6	160	J, I	N, I
RSP/C9	50 N	700	1.8	180	J, I	J, I
RSP/C9	50 N	700	1.8	180	J, I	J, I
RSP/C9	50 N	700	1.8	230	J, I	J
RSP/C9	50 N	700	1.8	230	J, I	J
RSP/3C	60 N	700	2.2	280	J, I	J
RSP/3C	60 N	700	2.2	280	J, I	J

Calculated flow rate at full load and maximum speed for a theoretical bearing life of 10,000 hours.

Contact Rulmecca for limit loads or other technical details.

The roller capacity must be greater than the belt tension T1 plus the carried load to avoid over deflection of the shaft and bearings.

Key options

Tube:

N = black steel

J = electrolytically galvanized

I = stainless steel AISI 304

Shaft:

J= electrolytically galvanized

I = stainless steel AISI 304

For higher flow rates and protection ratings up to IP67, please use Idler pulleys of the same series and diameters of Motorized Pulleys, presented in the relative drawings and tables. For special rollers contact Rulmecca.