



2 Rollers

series Self cleaning



The rubber rings are held in position at either end by a steel ring welded to the tube.

2.6.3 - Return rollers with helical rubber rings for self cleaning

Used on the return transom to support the belt when the material being conveyed, even if only a little sticky, is very viscous.

The helical spiral form of the non-abrasive rings, assembled onto the base roller shell, performs a cleaning action and reduces the tendency of material to deposit itself and stick to the surface of the dirty side of the belt.

They may be employed on any part of the return belt section in the case of short conveyors.

On long sections it is satisfactory to employ these rollers only up to the point where the material does not adhere any more to the belt surface.

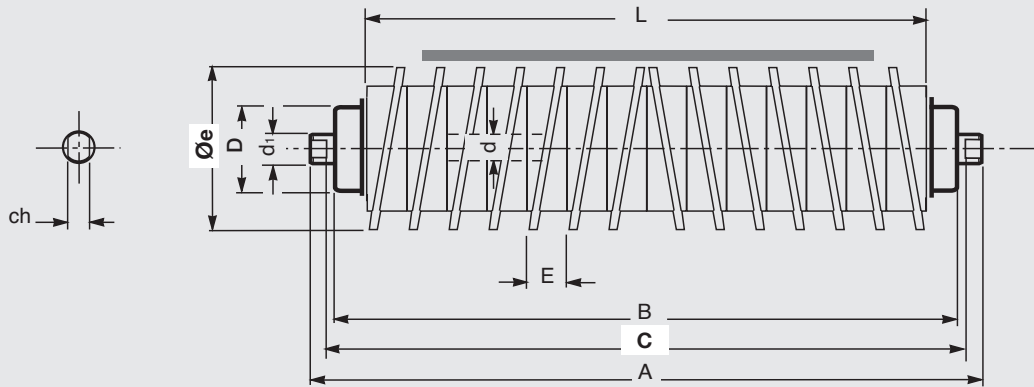
These rollers should not be employed as snub rollers adjacent to the drive or return drums.

The table indicates the types and diameters of standard rings with dimensions according to European norms.

On customer request different diameters and dimensions may be supplied.

Programme

base roller type	D		Øe	standard design	spindle		bearing
	mm	s			d	ch	
MPS/1	60	3	108	NM	15	17	6202
	89	3	133	NM			
PSV/1-FHD	63	3	108	NM	20	14	6204
	89	3	133	NM			
	89	3	180	NM			
PSV/2-FHD	89	3	133	NM	25	18	6205
	89	3	180	NM			
PSV/3-FHD	89	3	133	NM	25	18	6305
	89	3	180	NM			
PSV/4-FHD	89	3	133	NM	30	22	6206
	89	3	180	NM			



Øe 108 NM

Base roller:

MPS/1

D = 60;
spindle 15; d₁ = 20
bearing 6202
ch = 17

PSV/1-FHD

D = 63;
spindle 20; d₁ = 20
bearing 6204
ch = 14

belt	roller			weight		rings width E = 38,5	
	width mm	dimensions mm		Kg			
arrangement							
		B	C	A	MPS/1	PSV/1-FHD	L
300	380	388	406	4.1	5.0	310	
400	500	508	526	5.7	6.7	460	
500	600	608	626	6.6	7.8	540	
650	750	758	776	8.3	9.7	695	
800	950	958	976	10.7	12.3	925	
1000	1150	1158	1176	12.7	14.5	1080	
1200	1400	1408	1426	15.3	17.5	1385	



Example of ordering
standard design
PSV/1-FHD,20F,108NM,758

for special designs
see pages 80-81



2 Rollers

series

Self cleaning



The rubber rings are held in position at either end by a steel ring welded to the tube.

Øe 133 NM

Base roller:

MPS/1

D = 89;
spindle 15; d₁ = 20
bearing 6202
ch = 17

PSV/1-FHD

D = 89;
spindle 20; d₁ = 20
bearing 6204
ch = 14

PSV/2-FHD

D = 89;
spindle 25; d₁ = 25
bearing 6205
ch = 18

PSV/3-FHD

D = 89;
spindle 25; d₁ = 25
bearing 6305
ch = 18

PSV/4-FHD

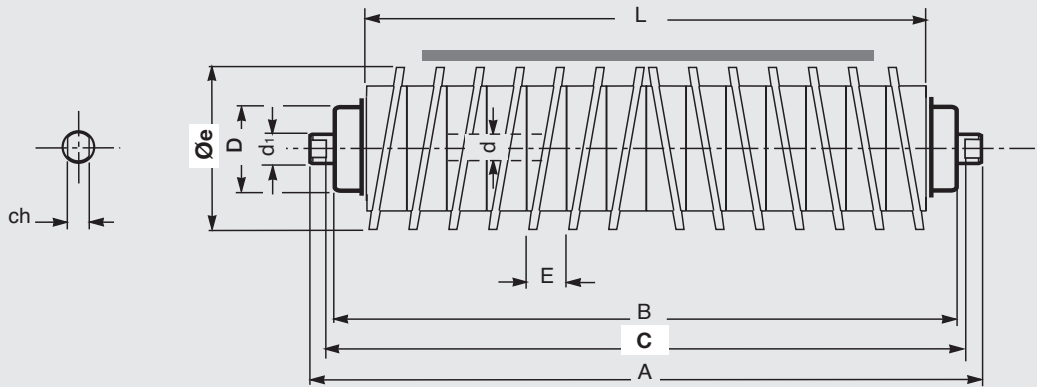
D = 89;
spindle 30; d₁ = 30
bearing 6206
ch = 22

belt	roller					weight Kg		rings width E = 38,5		
	width mm	dimensions mm								
arrangement	B	C	A		MPS/1	PSV/1-FHD	PSV/2-FHD	PSV/3-FHD	PSV/4-FHD	L
			MPS/1 PSV/1-FHD	PSV/2-FHD PSV/3-FHD PSV/4-FHD						
400	500	508	526	532	7.3	8.2				460
500	600	608	626	632	8.6	9.5				540
650	750	758	776	782	10.7	11.8	13.3			695
800	950	958	976	982	13.7	15.0	16.5			925
1000	1150	1158	1176	1182	16.2	17.7	19.5	19.9	22.0	1080
1200	1400	1408	1426	1432		21.4	23.5	23.9	26.5	1385
1400	1600	1608		1632			26.5	26.9	29.8	1540
1600	1800	1808		1832			29.5	29.8	33.0	1760

Example of ordering

standard design
PSV/1-FHD,20F,133NM,758

for special designs
see pages 80-81



Øe 180 NM

Base roller:

PSV/1-FHD

D = 89;
spindle 20; d₁ = 20
bearing 6204
ch = 14

PSV/4-FHD

D = 89;
spindle 30; d₁ = 30
bearing 6206
ch = 22

PSV/2-FHD

D = 89;
spindle 25; d₁ = 25
bearing 6205
ch = 18

PSV/3-FHD

D = 89;
spindle 25; d₁ = 25
bearing 6305
ch = 18

belt width mm	roller dimensions mm					weight Kg				rings width E = 38,5
	B	C	A	PSV/1-FHD PSV/2-FHD PSV/3-FHD PSV/4-FHD	PSV/1-FHD PSV/2-FHD PSV/3-FHD PSV/4-FHD	PSV/1-FHD PSV/2-FHD PSV/3-FHD PSV/4-FHD	PSV/1-FHD PSV/2-FHD PSV/3-FHD PSV/4-FHD	PSV/1-FHD PSV/2-FHD PSV/3-FHD PSV/4-FHD	L	
500	600	608	626	632	15.7	16.7			540	
650	750	758	776	782	19.7	20.9			695	
800	950	958	976	982	25.6	27.0			925	
1000	1150	1158	1176	1182	30.0	31.8	32.2	34.3	1080	
1200	1400	1408	1426	1432	36.3	38.4	38.7	41.3	1385	
1400	1600	1608		1632		43.3	43.7	46.6	1540	
1600	1800	1808		1832		48.0	48.4	51.7	1770	



Example of ordering

standard design
PSV/1-FHD,20F,180NM,1158

for special designs
see pages 80-81