



OIL MAINTENANCE

Used for CJC™ Filter Units for Symetro Gears

# BM 27/27

## CJC™ Off-line Filter Insert

### CJC™ Product Sheet

#### APPLICATION

The CJC™ BM 27/27 Filter Insert is manufactured specially for CJC™ Filters employed in cement mill gear applications, using either mineral or synthetic gear oils.

The BM Insert is universal and is ideal in all types of CJC™ Filters mounted on FLS Symetro Gears.

#### FILTRATION CAPABILITY

All CJC™ Filter Inserts have a filtration degree of 3 µm (micron) absolute (equiv. to 0.8 µm nominal) i.e. 98.7% of all solid particles > 3 µm and approximately 50% of all particles > 0.8 µm are retained in each pass.

The dirt holding capacity of a new BM 27/27 Filter Insert is 4 litres, which is double the capacity of its predecessor, the A 27/27 Filter Insert.

The water absorption potential is up to 50% (i.e. 2,000 mL H<sub>2</sub>O) of the total contaminant holding capacity.

#### DIMENSIONS

The figures below are nominal:

Diameter: 27 cm  
Height: 27 cm

#### COMPONENTS

CJC™ Filter Inserts type BM consist of bonded discs. Main ingredients are wood cellulose and cotton linters.

#### IDENTIFICATION

To order the BM 27/27 Filter Insert, please use:

##### Article Nos

1 x 27/27: PA5601351  
2 x 27/27: PA5601347



CJC™ BM 27/27 Filter Insert.

The anticipated increase in differential pressure ( $\Delta P$ ), measured in bar, across one new BM 27/27 Filter Insert is:

Flow rate, L/h	Differential Pressure ( $\Delta P$ ), in bar				
	Viscosity, cSt				
	100	200	300	400	500
200	0.15	0.30	0.48	0.64	0.80
400	0.30	0.65	0.96	1.28	1.60
600	0.50	0.95	1.44	1.92	2.40
800	0.65	1.30	1.92	2.56	3.20

To calculate the differential pressure across several Filter Inserts, divide the differential pressure reading from the table with the number of Filter Inserts in a filter housing.

As a result of its the new design the BM Insert can successfully filter oils of high viscosity and consequently operate more efficiently at low oil temperatures.