

ISOTALCO produced ceramic component on customer design offering solutions through competence, professionalism and continuous support.

The ceramic isolators, thanks to the material and their high creepage line length, assures high insulation levels in many aggressive environments.

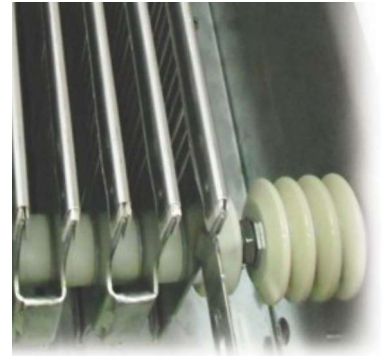
The design and the resistive glazed surface avoid deposits of any creep-shortening humid or dusty substances as well as possible erosions or loss of insulating characteristics.

Any risk of fire is completely eliminated and there is no emission of toxic or corrosive substances.

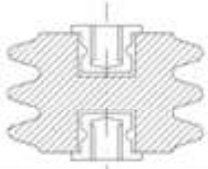
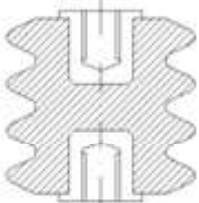
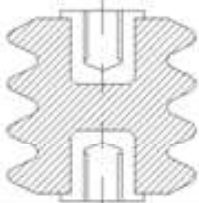
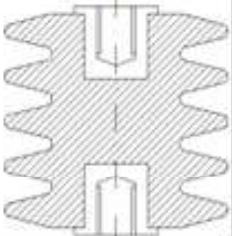
The inserts, in stainless steel, are fixed inside the isolators by a special composite glue which guarantees operational temperatures in the range of  $-50^{\circ}\text{C}$   $+200^{\circ}\text{C}$  (peak  $350^{\circ}\text{C}$ ).

The mechanical and structural characteristics make these isolators suitable to operate on board to equipments for traction applications.

Comparative Tracking Index (CTI) is guaranteed to be  $>600$  that represents the most reliable insulation class in accordance to IEC60112 standards.



Produced for ISOLEX

<b>Technical Data</b>				
Model code	35M10-50	50M10	50M12	60M10
				
Height (mm)	35	50	50	60
Diameter (mm)	50	50	50	60
Weight (kg)	0.140	0.200	0.205	0.325
Insert	stainless steel	stainless steel	stainless steel	stainless steel
Tapped hole	M10	M10	M12	M10
<b>Mechanical characteristics</b>				
Creepage line length (mm)	70	100	100	120
Max Tensile strenght (kN)	6	11	11	16
Flexural Strenght (kN)	1.6	4	4	6
Max Compressive strenght (kN)	10	20	20	25
Torsion Rupture torque (Nm)	55	80	80	140
Max load (IEC1373) (N)	150	275	275	400
<b>Tests</b>				
Dielectric test (50Hz-60sec.-kV)	16	29	29	32
Comparative Traking Index (CTI)	>600	>600	>600	>600
Operating temperature (°C) min.	-50	-50	-50	-50
max.	+200	+200	+200	+200
Peak (°C)	+350	+350	+350	+350

