

Ceramic transfer hoses (rubber with ceramic insert)



ALUSPHERE SPO 10 SF

Extremely abrasion-resistant ceramic suction and discharge hose

Inner layer: ceramic embedded balls
in black rubber NR

Reinforcement: synthetic cord, steel spiral
layer: Black SBR rubber / NR

Operating temp: -30°C to +80°C

Suction and delivery hose for the pneumatic transfer of dry abrasive substances. Special hose construction with exceptional abrasion resistance. Smooth inner layer made of black antistatic natural rubber with embedded alumina beads (Al_2O_3 - aluminium oxide), a ceramic material of high hardness. Reinforced with synthetic cord and steel spiral. Built-in **copper wire** which, when earthed (connected to the earthed end), dissipates electrical charges. Corrugated outer layer made of black, anti-static ($R < 10^6 \Omega$) SBR / NR rubber resistant to abrasion and ageing.

Hose designed for the transport of dry highly abrasive substances: e.g. dry cement, coal, coke, solid fuels from secondary raw materials, minerals, ceramic powders, steel shot, glass fragments, glass fibre. Used in steel mills, coking plants, power plants, cement plants, mines, glass works, abrasive and insulating material factories.

The advantage is the long service life of the hose in these applications - a traditional abrasion-resistant rubber hose, for example, can only last a few days, while an ALUSPHERE hose can last up to several months under the same conditions.

Mounting: Hose to be mounted with the GHIBLI system - PN10 aluminium half flanges applied externally to the hose. Contact Tubes International.

index	internal diameter [mm]	external diameter [mm]	thickness [mm]	working pressure [bar]	Bursting pressure [bar]	vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
MT-ALUSPHERE-SPO10-SF-040	40	67	13,5	10	30	0,9	380	4,70	20
MT-ALUSPHERE-SPO10-SF-050	50	77	13,5	10	30	0,9	500	4,90	20
MT-ALUSPHERE-SPO10-SF-065	65	92	13,5	10	30	0,9	640	6,48	20
MT-ALUSPHERE-SPO10-SF-080	80	107	13,5	8	24	0,9	860	7,83	12
MT-ALUSPHERE-SPO10-SF-100	100	128	14	8	24	0,9	1000	9,57	12

GHIBLI SYSTEM

The GHIBLI system consists of A and B halves of flanges matching the external corrugations of the hoses, special gaskets and mounting screws. Hose assembly can take place on site, the flanges can be reused several times, the flow of the substance through the hose takes place through the full passage of the hose avoiding disturbances. No special tools required, saves cost and assembly time.

