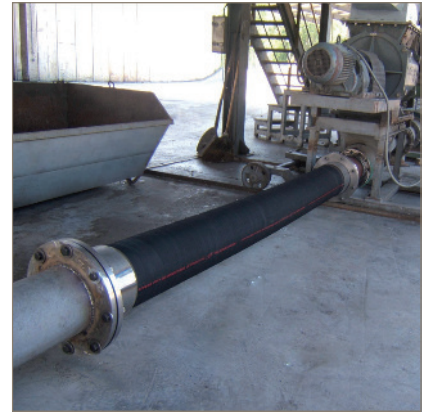


CERGOM

Material Handling Hose
Special Heavy Duty
International Patent
PCT-EP2007-057488



Customer Value Proposition:

CERGOM, manufactured based on a unique hose technology for pneumatic delivery and vacuum conveying systems of abrasive materials. The hose is constructed in a combination of a new tube material with ceramic hexagonal plates. With the added benefit of the ultra high abrasion resistance, the hose has an increased service life in comparison to elastomer hoses qualities and rigid tubes and therefore the maintenance cost and machine shut downs will be reduced to a minimum. Together with the respective fitting range CERGOM is ideal for tough environments such as steelworks, thermoelectric power plants, cement works, mining industry etc. CERGOM hose assemblies are very flexible in use with different working conditions and easier to handle than rigid elbows. Based on its construction, CERGOM hose assemblies minimise significantly the vibration and noise during operation.



Product Features:

- New unique hose technology
- Designed for tough environments
- Ultra high abrasion resistance
- Extremely long service life
- Enormous cost saving in maintenance

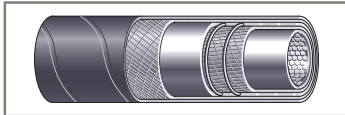


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Tube

ceramic hexagonal plates (sinterized Alumina) processed to match black BR/NR rubber compound, highly resistant to abrasion. Good resistance to some chemical products: please contact our technical assistance for guidelines about these applications. The plates are made from Alumina Oxide and produced sinterizing atomized dust according to the most advanced technology. A peculiar dense structure and a very high hardness are assured by a special manufacturing process. These features place this hose on top of quality for wear resistance

as ever before. The special surface guarantees a perfect flow of the medium avoiding problems due to packing and oxidation.

Reinforcement

synthetic textile fabrics, embedded steel wire helix and built-in copper wires to provide electrical continuity between both ends.

Cover

black, antistatic ($R < 2,0 \text{ M}\Omega/\text{m}$), abrasion and weather-resistant, SBR/NBR rubber compound.

Applications

Suitable for pneumatic suction and delivery of dry cement, coal, CDR (fuel by-waste material), minerals, ceramic powder, glass recovery, fibreglass, and to load tankers and storage bins or silos.

Applications in the industries: steelworks, cookery, thermoelectric power plant, cement works, mining industries, ceramic works, glassworks, insulating material manufactures etc.

Supplied in customized lengths assembled with standard flanges DIN PN 10/16 and, on request, with special fittings, the working pressure is of 3 - 6 bar according to assembly method.

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Standard lengths

Customized lengths
 $\leq \text{I.D. } 63,5 \text{ mm}$: up to 20 m
 $\text{I.D. } 70 - 150 \text{ mm}$: up to max 15 m
 $\geq \text{I.D. } 200 \text{ mm}$: up to max 10 m

Tolerances

Length tolerance: $\pm 1 \%$

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	Max. Working Pressure			Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH994020XX/XX-EA	25	49	0,6	90,0	6	1,8	261,0	18	2,59	375
IH994021XX/XX-EA	32	56	0,6	90,0	6	1,8	261,0	18	3,07	480
IH994022XX/XX-EA	38	62	0,6	90,0	6	1,8	261,0	18	3,48	570
IH994023XX/XX-EA	42	66	0,6	90,0	6	1,8	261,0	18	3,75	630
IH994024XX/XX-EA	48	72	0,6	90,0	6	1,8	261,0	18	4,17	720
IH994025XX/XX-EA	50	74	0,6	90,0	6	1,8	261,0	18	4,31	750
IH994026XX/XX-EA	60	86	0,6	90,0	6	1,8	261,0	18	5,27	900
IH994027XX/XX-EA	63,5	90	0,6	90,0	6	1,8	261,0	18	5,54	953
IH994028XX/XX-EA	70	100	0,6	90,0	6	1,8	261,0	18	6,00	1050
IH994029XX/XX-EA	75	105	0,6	90,0	6	1,8	261,0	18	6,35	1125
IH994030XX/XX-EA	80	110	0,6	90,0	6	1,8	261,0	18	6,93	1200
IH994031XX/XX-EA	100	132	0,6	90,0	6	1,8	261,0	18	8,56	1500
IH994032XX/XX-EA	114	147	0,6	90,0	6	1,8	261,0	18	13,24	1710
IH994033XX/XX-EA	125	158	0,6	90,0	6	1,8	261,0	18	14,42	1875
IH994034XX/XX-EA	150	188	0,6	90,0	6	1,8	261,0	18	19,42	2250
IH994035XX/XX-EA	200	240	0,6	90,0	6	1,8	261,0	18	27,68	3045

RUBBER HOSE CERGOM MADE IN ITALY Parker ITR

Please note: CERGOM is available ready assembled only. The mentioned I.D. and O.D. is for customer orientation only. Please contact us for further details.

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