



Material Handling



ENGINEERING YOUR SUCCESS.



G – Material Handling

Hose	ID Range (mm)	Temp. Range (°C)	Application
LIBECCIO EN ISO 3861	19 - 100	-30 / +70	wet and dry sand and cement
INTONACATRICI 40	25 - 65	-30 / +70	wet and dry sand and cement
BETON 80	51 - 125	-40 / +70	high pressure concrete pumping
CERGOM	25 - 200	-30 / +70	high abrasive materials
ASPIREX	20 - 250	-15 / +60	suction equipment



	Tube	Reinforcement	Cover	WP (bar)	Design Factor	Suction	Industry standard	Page
	BR/NR	textile	SBR/NBR	10	4		EN ISO 3861	G4
	BR/NR	textile	SBR	40	3			G5
	NR/SBR	steel wire	NR/SBR	80	2.5			G6
	CERAMIC	textile + copper wires	SBR/NBR	6	3	yes		G7
	PVC	PVC wire	PVC	-	-	yes		G8



LIBECCIO EN ISO 3861

According to EN ISO 3861

Suitable for conveying of wet and dry sand and grit blasting materials.

Hose Construction

Tube: Smooth, black, antistatic, abrasion resistant BR/NR rubber compound. Abrasion according to ISO 4649: max. 60 - 70 mm³

Reinforcement: Synthetic textile fabrics

Cover: Black, smooth, antistatic, weather and abrasion resistant SBR/NBR compound. The cover is pinpricked to prevent blistering and bubbling, max. resistance on finished hose: 2,0 MΩ/m



- Exceeds EN ISO 3861 requirements
- Robust and light version available
- Construction, general industry, shipyards
- Design Factor 4:1






Tolerances

According to RMA steel mandrel
Refer to *Technical Handbook* on page TH35

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Bold printed part numbers are stock products.

Part Number	 I.D. (mm)	 O.D. (mm)	 Max. Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36820300/40	19	33	1.0	150.0	10	0.69	190	Y
IH36820200/40	25	40	1.0	150.0	10	0.92	250	Y
IH36820201/40	30	45	1.0	150.0	10	1.05	300	Y
IH36820202/40	32	48	1.0	150.0	10	1.37	320	Y
IH36820303/40	38	55	1.0	150.0	10	1.46	380	Y
IH36820305/40	42	60	1.0	150.0	10	1.70	420	N
IH36820206/40	50	72	1.0	150.0	10	2.54	500	Y
IH36820207/40	60	82	1.0	150.0	10	2.95	600	Y
IH36820209/20	80	105	1.0	150.0	10	4.32	800	Y
IH36820210/20	90	115	1.0	150.0	10	4.84	900	N
IH36820211/20	100	125	1.0	150.0	10	5.30	1000	N

Hose layline example

RUBBER HOSE LIBECCIO EN ISO 3861 ID mm – WP 1,0 MPa – BP 4,0 MPa ABRASION 60/70 mm³





INTONACATRICI 40

Designed for delivery of plaster and abrasive materials such as mortar and wet cement from plastering machines or spray nozzles.

Hose Construction

Tube: Black, abrasion resistant, antistatic smooth BR/NR rubber compound.
Abrasion max. 60 - 70 mm³

Reinforcement: Synthetic textile fabrics

Cover: Black, abrasion and weather-resistant, SBR rubber compound



- Construction, general industrial
- Cover resistant to cuts, gouges, scuffs
- High working pressure
- Design Factor 3:1






Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH35

Bold printed part numbers are stock products.

Part Number	 I.D. (mm)	 O.D. (mm)	 Max. Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36822030/40	25	38	4.0	600.0	40	0.89	300	Y
IH36822041/40	32	46	4.0	600.0	40	1.14	380	Y
IH36822031/40	50	66	4.0	600.0	40	1.95	600	N
IH36822050/20	65	85	4.0	600.0	40	3.04	780	N

Hose layline example



BETON 80

Suitable for placement of concrete at casting locations by concrete pumps at the ends of the machine arms.

Hose Construction

Tube: Smooth, black NR/SBR compound resistant to the abrasive action of the concrete abrasion DIN 53516: max. $50 \pm 5 \text{ mm}^3$

Reinforcement: Steel wire cord plies

Cover: Black, smooth, weather and abrasion resistant NR/SBR rubber compound

Temperature Range

-40 °C (-40 °F) to +70 °C (+158 °F)



- Flexibility and kink resistance also for easy cleaning
- Wet abrasive materials
- High abrasion resistant tube assures longer service life
- Dedicated fitting series
- Design Factor 2.5:1

Tolerances

On outside diameter






According to RMA steel mandrel

On inside diameter

According to UNI EN ISO 1307

Refer to Technical Handbook on page TH35

Bold printed part numbers are stock products.

Part Number			 Max. Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH36827051/0	51	75	8	1200	80	3.96	380	Y
IH36827052/0	65	89	8	1200	80	4.84	400	Y
IH36827053/0	76	100	8	1200	80	5.4	400	N
IH36827054/0	100	124	8	1200	80	7.04	550	N
IH36827055/0	125	150	8	1200	80	8.9	700	N

Hose layline example



CERGOM

Parker Global Product

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.

Hose Construction

- Tube:** Ceramic hexagonal plates (sinterized Alumina Oxide) processed to match black BR/NR rubber compound, highly resistant to abrasion
- 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



- Parker International Patent PCT-EP2007-057488
- Outstanding resistance at the abrasion
- Unique construction provides service life many times longer than traditional rubber hoses
- Reduces operations, logistics and admin costs
- Customized assemblies with built-in tech
- Design Factor 3:1

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Tolerances

Length tolerance $\pm 1 \%$

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36829020/0	25	49	1.0	145.0	10	2.59	375	N
IH36829021/0	32	56	1.0	145.0	10	3.07	480	N
IH36829022/0	38	62	1.0	145.0	10	3.48	570	N
IH36829023/0	42	66	1.0	145.0	10	3.75	630	N
IH36829024/0	48	72	1.0	145.0	10	4.17	720	N
IH36829025/0	50	74	1.0	145.0	10	4.31	750	N
IH36829026/0	60	86	1.0	145.0	10	5.27	900	N
IH36829027/0	63.5	90	1.0	145.0	10	5.54	953	N
IH36829028/0	70	100	1.0	145.0	10	6.00	1050	N
IH36829029/0	75	105	1.0	145.0	10	6.35	1125	N
IH36829030/0	80	110	1.0	145.0	10	6.93	1200	N
IH36829031/0	100	132	1.0	145.0	10	8.56	1500	N
IH36829032/0	114	147	1.0	145.0	10	13.24	1710	N
IH36829033/0	125	158	1.0	145.0	10	14.42	1875	N
IH36829034/0	150	188	1.0	145.0	10	19.42	2250	N
IH36829035/0	200	240	1.0	145.0	10	27.68	3045	N

Hose layline example

RUBBER HOSE CERGOM





ASPIREX

Suitable for suction of air, dust, fumes, saw-dust and wood-shavings. Also suitable for centralized suction equipment in wood, textile, china and welding equipment. It is also suitable for use on agricultural machinery.

Hose Construction

Flexible hose having a grey, rigid PVC spiral embedded in a metalized grey, flexible PVC wall. Externally corrugated, smooth inner surface. Self-extinguishing.



- Self-extinguishing hose
- General purpose hose
- Not to be used under pressure
- Vacuum 0.75 bar for ID up to 50 mm then 0.40 bar






Temperature Range

-15 °C (+5 °F) to +60 °C (+140 °F)

Tolerances

Refer to Technical Handbook on page TH35

Bold printed part numbers are stock products.

Part Number	 I.D. (mm)	 Wall (mm)	 Max. Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH35560020/50	20	2.6	-	-	-	0.14	20	N
IH35560025/50	25	2.9	-	-	-	0.18	25	N
IH35562032/50	32	3.3	-	-	-	0.27	32	N
IH35560040/50	40	3.9	-	-	-	0.36	40	Y
IH35560050/50	50	4.2	-	-	-	0.52	50	Y
IH35560060/50	60	4.4	-	-	-	0.64	60	Y
IH35560070/50	70	4.8	-	-	-	0.76	70	Y
IH35560080/50	80	5.0	-	-	-	0.97	80	Y
IH35560100/30	100	5.3	-	-	-	1.27	100	Y
IH35560120/30	120	5.6	-	-	-	1.58	120	N
IH35560150/30	150	5.9	-	-	-	2.15	150	N
IH35562160/30	160	6.1	-	-	-	2.28	160	N
IH35560200/15	200	7.0	-	-	-	2.95	200	N
IH35560250/15	250	8.0	-	-	-	4.00	250	N

Hose layline example

ASPIREX I.D. mm - SELF-EXTINGUISHING PARKER