



Hot Water & Steam



ENGINEERING YOUR SUCCESS.



E – Hot Water & Steam

Hose	ID Range (mm)	Temp. Range (°C)	Application
RADIOR 3	10 - 100	-40 / +100	cooling line system
RADIOR K 1003	12 - 65	-40 / +100	cooling line system
THERMOPRESS 10	12 - 60	-40 / +100	cooling line and hot water
VIGOR 2 EN ISO 6134 Type 2/A	13 - 51	-40 / +210	steam industrial application
VIGOR 2 NR EN ISO 6134 Type 2/A	13 - 51	-40 / +210	steam industrial application

WARNING!

Steam hoses gradually decrease in performance during service life. Consequently, they need to be regularly inspected by trained personnel wearing adequate protective overalls, including eye protection.

Cuts and gouges in the hose cover showing the textile reinforcement. Steam leaks. Permanent deformation of hose. Reduction of steam flow. WHEN ONE OF THESE ABNORMALITIES OCCURS, THE HOSE SHOULD BE REMOVED FROM SERVICE AND INSPECTED. If a failure occurs close to the couplings, the damaged hose can be cut, reconnected and used as before.

Use only couplings with safety clamps. Follow the coupling manufacturer's instructions for coupling procedures. Check coupling tightness each time before use. Drain after use. When not in use, store the hose on a flat surface (shelves) and never hang from a hook.



	Tube	Reinforcement	Cover	WP (bar)	Design Factor	Suction	Industry standard	Page
	EPDM	textile	EPDM	3	3			E4 - E5
	NBR	textile	CR	5	3			E6
	EPDM	textile	EPDM	10	4			E7
	EPDM	textile	EPDM	18	10		ENISO6134Type2/A	E8
	EPDM	textile	EPDM	18	10		ENISO6134Type2/A	E8



RADIOR 3 (COIL)

Designed for cooling systems of automotive engines and stationary engines.

Hose Construction

Tube: Black, smooth, heat resistant EPDM nitrosamine free rubber compound

Reinforcement: Synthetic textile yarn fabric

Cover: Black, smooth, heat, ageing and weather-resistant EPDM nitrosamine free rubber compound



- Light and flexible hose
- Also suitable as cable protection
- Nitrosamine free
- Design Factor 3:1



Temperature Range

-40 °C (-40 °F) to peaks of +100 °C (+212 °F)






Tolerances

I.D. ≤ 22 mm according to UNI EN ISO 1307

I.D. > 22 mm 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			
IH36830095/40	10	16	0.3	43.5	3	0.16	–	Y
IH36830096/40	12	18	0.3	43.5	3	0.19	–	Y
IH36830097/40	15	21	0.3	43.5	3	0.23	–	Y
IH36830101/40	18	24.5	0.3	43.5	3	0.29	–	Y
IH36830102/40	20	26.5	0.3	43.5	3	0.32	–	Y
IH36830103/40	22	28.5	0.3	43.5	3	0.34	–	Y
IH36830104/40	25	32	0.3	43.5	3	0.39	–	Y
IH36830105/40	28	36	0.3	43.5	3	0.50	–	Y
IH36830106/40	30	38	0.3	43.5	3	0.53	–	Y
IH36830107/40	32	40	0.3	43.5	3	0.55	–	Y
IH36830108/40	35	43	0.3	43.5	3	0.60	–	Y
IH36830109/40	38	47	0.3	43.5	3	0.73	–	Y
IH36830110/40	40	49	0.3	43.5	3	0.77	–	Y
IH36830111/40	42	51	0.3	43.5	3	0.80	–	Y
IH36830112/40	45	54	0.3	43.5	3	0.85	–	Y
IH36831023/40	48	57	0.3	43.5	3	0.91	–	Y
IH36830113/40	50	60	0.3	43.5	3	1.07	–	Y
IH36830114/40	55	65	0.3	43.5	3	1.17	–	Y
IH36830115/40	60	70	0.3	43.5	3	1.26	–	Y
IH36830116/20	65	76	0.3	43.5	3	1.54	–	Y
IH36830117/20	70	81	0.3	43.5	3	1.65	–	Y
IH36831022/20	75	86	0.3	43.5	3	1.75	–	Y
IH36830118/20	80	92	0.3	43.5	3	2.05	–	Y
IH36830119/20	90	102	0.3	43.5	3	2.29	–	Y
IH36830120/20	100	113	0.3	43.5	3	2.63	–	Y

Hose layline example

RUBBER HOSE RADIOR DIAM. I.D. mm





RADIOR 3 (CUT LENGTH)

Designed for cooling systems of automotive engines and stationary engines.

Hose Construction

Tube: Black, smooth, heat resistant EPDM nitrosamine free rubber compound

Reinforcement: Synthetic textile yarn fabric

Cover: Black, smooth, heat, ageing and weather-resistant EPDM nitrosamine free rubber compound



- Light and flexible hose
- In piece of 1 m length
- Straight piece without snake effect
- Nitrosamine free
- Design Factor 3:1



Temperature Range

-40 °C (-40 °F) to peaks of +100 °C (+212 °F)






Tolerances

I.D. ≤ 22 mm according to UNI EN ISO 1307

I.D. > 22 mm 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			
IH36830023/1	15	21	0.3	43.5	3	0.23	—	Y
IH36830001/1	18	24.5	0.3	43.5	3	0.29	—	Y
IH36830002/1	20	26.5	0.3	43.5	3	0.32	—	Y
IH36830003/1	22	28.5	0.3	43.5	3	0.34	—	Y
IH36830004/1	25	32	0.3	43.5	3	0.39	—	Y
IH36830005/1	28	36	0.3	43.5	3	0.50	—	Y
IH36830006/1	30	38	0.3	43.5	3	0.53	—	Y
IH36830007/1	32	40	0.3	43.5	3	0.55	—	Y
IH36830008/1	35	43	0.3	43.5	3	0.60	—	Y
IH36830009/1	38	47	0.3	43.5	3	0.73	—	Y
IH36830010/1	40	49	0.3	43.5	3	0.77	—	Y
IH36830011/1	42	51	0.3	43.5	3	0.80	—	Y
IH36830012/1	45	54	0.3	43.5	3	0.85	—	Y
IH36831030/1	48	57	0.3	43.5	3	0.91	—	Y
IH36830013/1	50	60	0.3	43.5	3	1.07	—	Y
IH36830014/1	55	65	0.3	43.5	3	1.17	—	Y
IH36830015/1	60	70	0.3	43.5	3	1.26	—	Y
IH36830016/1	65	76	0.3	43.5	3	1.54	—	Y
IH36830017/1	70	81	0.3	43.5	3	1.65	—	Y
IH36831031/1	75	86	0.3	43.5	3	1.75	—	Y
IH36830018/1	80	92	0.3	43.5	3	2.05	—	Y
IH36830019/1	90	102	0.3	43.5	3	2.29	—	Y
IH36830020/1	100	113	0.3	43.5	3	2.63	—	Y

Hose layline example

RUBBER HOSE RADIOR DIAM. I.D. mm





RADIOR K 1003

Designed for heating and cooling systems, resistant to ASTM I/II/III oil up to +100 °C (+212 °F) with peaks up to +120 °C (+248 °F) and diesel fuel up to +50 °C (+122 °F).

Hose Construction

Tube: Black, smooth, heat resistant NBR rubber compound
Reinforcement: Synthetic textile fabrics yarns
Cover: Black, smooth, wrapped finish, heat, ageing and weather-resistant CR rubber compound



- Superior Chloroprene cover compound for oil and fuel resistance
- Also suitable for B100
- Light and flexible hose
- Design Factor 3:1






Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)

Tolerances

I.D. ≤ 22 mm according to UNI EN ISO 1307
 I.D. > 22 mm 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			
IH30831300/40	12	19	0.5	72.5	5	0.24	–	Y
IH30831302/40	15	22	0.5	72.5	5	0.28	–	Y
IH30831303/40	18	25	0.5	72.5	5	0.33	–	Y
IH30831305/40	22	29	0.5	72.5	5	0.39	–	Y
IH36831300/40	25	32	0.5	72.5	5	0.41	–	Y
IH36831301/40	28	35	0.5	72.5	5	0.45	–	Y
IH36831303/40	32	39	0.5	72.5	5	0.51	–	Y
IH36831305/40	38	45	0.5	72.5	5	0.59	–	Y
IH36831308/20	45	56	0.5	72.5	5	1.11	–	N
IH36831309/20	50	61	0.5	72.5	5	1.22	–	Y
IH36831311/20	60	71	0.5	72.5	5	1.43	–	N
IH36831312/20	65	76	0.5	72.5	5	1.54	–	N

Hose layline example

RUBBER HOSE RADIOR OEL P50 II





THERMOPRESS 10

Suitable for delivery of hot water, non-aggressive hot liquids and steam to a maximum temperature of +120 °C (+248 °F). To connect boilers to air conditioning units and for hot water cleaning systems.

Hose Construction

- Tube:** Black, smooth, heat resistant, EPDM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile fabrics or yarns
- Cover:** Black, smooth, heat, ageing and weather-resistant EPDM nitrosamine free rubber compound

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F), with peaks +120 °C (+248 °F)



- Robust structure
- Wide temperature range
- Nitrosamine free
- Design Factor 4:1



Tolerances

I.D. ≤ 20 mm according to UNI EN ISO 1307
I.D. > 20 mm 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			
IH36800002/100	12	22.5	1.0	150.0	10	0.38	120	N
IH36800003/80	15	25.5	1.0	150.0	10	0.44	150	Y
IH36800004/80	18	28.5	1.0	150.0	10	0.51	180	Y
IH36800005/80	20	30.5	1.0	150.0	10	0.56	200	Y
IH36800006/40	25	35	1.0	150.0	10	0.61	250	Y
IH36800007/40	30	41	1.0	150.0	10	0.79	300	Y
IH36800009/40	40	54	1.0	150.0	10	1.34	400	N
IH36800011/40	50	68	1.0	150.0	10	2.12	500	N
IH36800012/40	60	82	1.0	150.0	10	3.10	600	N

Hose layline example

RUBBER HOSE THERMOPRESS 10 bar





VIGOR 2 EN ISO 6134 TYPE 2/A

According to EN ISO 6134 type 2/A

Designed for high pressure saturated steam (max 18 bar at +210 °C = 261 psi at +410 °F). Suitable for loading saturated and superheated steam in cleaning and sterilization applications, petrochemical industry and general steam service applications

Hose Construction

Tube: Black, smooth, EPDM rubber compound. Heat and saturated steam resistant

Reinforcement: High tensile steel cords

Cover: Black, smooth, EPDM rubber compound. Heat, abrasion, ozone and weather resistant.

The cover is pinpricked to prevent blistering and bubbling.



- Wide range temperature
- Pin-pricked cover
- Two cover color lines: black and red
- Working pressure for hot water 45 bar with a Design Factor of 4:1
- Design Factor 10:1

Tolerances






According to EN ISO 6134

Refer to Technical Handbook on page TH35

Temperature Range

-40 °C (-40 °F) to +210 °C (+410 °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			
VIGOR 2 EN ISO 6134 (black)								
IH36801700/40	13	25	1.8	261.0	18	0.50	130	Y
IH36801701/40	16	30	1.8	261.0	18	0.70	160	N
IH36801702/40	19	33	1.8	261.0	18	0.77	190	Y
IH36801703/40	25	40	1.8	261.0	18	1.06	250	Y
IH36801704/40	32	48	1.8	261.0	18	1.39	320	Y
IH36801705/40	38	54	1.8	261.0	18	1.60	380	N
IH36801706/40	51	69	1.8	261.0	18	2.56	500	N
VIGOR 2 EN ISO 6134 (red)								
IH36801720/40	13	25	1.8	261.0	18	0.51	130	N
IH36801721/40	16	29	1.8	261.0	18	0.70	160	N
IH36801722/40	19	33	1.8	261.0	18	0.79	190	N
IH36801723/40	25	40	1.8	261.0	18	1.06	250	N
IH36801724/40	32	48	1.8	261.0	18	1.41	320	N
IH36801725/40	38	54	1.8	261.0	18	1.62	380	N
IH36801726/40	51	69	1.8	261.0	18	2.59	500	N

Hose layline example

WARNING! see page E2

RUBBER HOSE VIGOR - EN ISO 6134:2005 - 2A - steam - 18 bar - 210 °C - I.D. mm - Ø - MADE IN ITALY 

RUBBER HOSE VIGOR - EN ISO 6134:2005 - 2A - steam - 18 bar - 210 °C - I.D. mm - Ø - MADE IN ITALY 

