

**CATALOGUE  
2021**

# **ART'H®**

New Meaning to Quality...

- Specialize in Synthetic Rubber Hoses
- Coolant, Heat, Ozone & Weather Resistant EPDM Hoses
- Heat & Oil Resistant NBR Hoses



Radiator & Coolant Hoses for Automobile & Tractor Range

**EPDM & NBR Hoses**



An ISO 9001:2015 Certified Co.



## ABOUT US

Tuteja Industries India ( Tii ) is a prominent manufacturer, exporter and supplier of high quality E.P.D.M. Rubber Radiator and Coolant Hoses, NBR Rubber Oil & Heat resistant Hoses for Commercial Vehicle, Tractors and Heavy Earth Movers under the brand name "ARTH ". Though, fairly a new entrant, Tii have made a significant growth in the industry since its inception, not based on any powerful marketing technique but on word of mouth. Today, their products are readily available in most of the Indian States, along with overseas market.

Along with covering new markets, Tii is also working on the product range, new hoses are been introduced almost every fortnight with an idea to cover complete automobile, and tractor range in India and to make a mark in the international circuit.

Today, Tii manufacture over 1700 different hoses and all are readily available; they believe timely delivery is as important as the quality.



An ISO 9001:2015 Certified Co.

# ARTH®



## Plant & Machinery

The plant is complete and adequate to manufacture entire range of hoses. We have Extrusion production lines to extrude hose from 4mm id till 150mm id, with high capacity Kneader, 2 Open Mixing Mills, 3 Extruders, 2 high speed Knitting and a Braiding machine, 2 Boilers and 4 Autoclaves. Extrusion heads, Dies and Hose Moulds are developed and designed to perfection with precise accuracy and complete detailing.

## Quality Policy

We believe , the only way to go forward, is to strive on Quality, Quality Product along with Quality Packaging & Timely Delivery. In quality front, we don't compromise even a bit on the quality of raw material, the best grades of every raw material is used. Every batch is tested for Tensile, Elongation & Bursting Pressure, Once the Hoses are manufactured, they undergoes three screening processes, where they are thoroughly checked for any manufacturing defect. We have our own laboratory & we are also linked with few big research laboratories, and automobile workshops, where the newly developed hoses are first tested under variety of simulated conditions as well as in real life in automobile workshops, before introducing in the market.

**“Continuous efforts in improving on the quality, range and final delivery, are the three parameters that define us and are the reasons behind our growth.”**

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**"ALWAYS DELIVER MORE THAN EXPECTED."**

— Larry Page, co-founder of Google

# Generator, Heavy Earth Movers & Industrial Hoses

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## EPDM & NBR Hoses

#O.E. part numbers are for reference only

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## KIRLOSKAR ENGINE 5HP

AH 2100	Hose Pipe Set ( Set of 3 Pcs. )		
AH 2101	1	269/1	Top Hose, id 1¼"
AH 2102	2	149	Bottom Hose, id 1½"
AH 2103	3	149	Bottom Hose, id 1½"



## SHAKTIMAN ENGINE

AH 2110	Hose Pipe Set ( Set of 2 pcs. )		
AH 2111	1	242	Top Hose, id 1½" & 1¼"
AH 2112	2	241	Bottom Hose, id 1¼"



## LEYLAND 680

AH 2120	Hose Pipe Set (Set of 2 Pcs.)		
AH 2121	1	317	Top Hose, id 1¼" X 18"
AH 2122	2	241/1	Bottom Hose (Z-Bend) (Right) 1¼"
AH 2123			Bottom Hose (Z-Bend) (Left) 1¼"



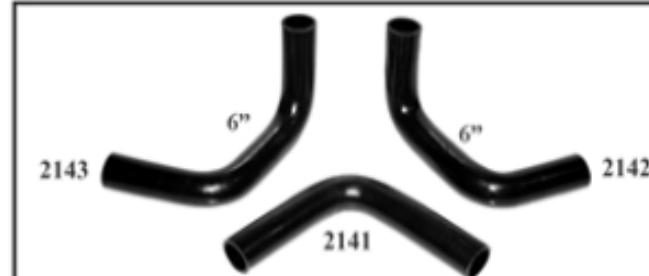
## COMBINE

AH 2130	Hose Pipe Set ( Set of 2 Pcs.)		
AH 2131	1	317	Top Hose, 1¼" X 18"
AH 2132	2	241	Bottom Hose, id 1¼"



## LEYLAND GENERATOR PERKIN P6

AH 2141	1	155	L-Bend Hose, 1¼" X 9" X 9"
AH 2142	2	195	Z-Bend Hose (Right), id 1¼"
AH 2143	3	195/1	Z-Bend Hose (Left), id 1¼"



## TATA 1109 GENERATOR

AH 2150	Hose Pipe Set ( Set of 3 pcs. )		
AH 2151	1		L-Bend Hose, 2¾"
AH 2152	2		S-Bend Hose
AH 2153	3		Reducer Hose, 45mm & 60m, 7" Long
AH 2161	Z-Bend Hose, 1½"		
AH 2162	L-Bend Hose, ¾" (19mm id.) ( 27" X 3" )		
AH 2163	Reducer Hose, 18mm & 19mm ( 30" Long )		





## Cummins 495 / 743

- AH 2180 Hose Pipe Set (Set of 6 Pcs.)  
AH 2181 1 4 Pcs Cut Piece Hose, id 2½"  
AH 2182 2 2 Pcs Cut Piece Hose, id 1½"



## Cummins NT 855

- AH 2185 Hose Pipe Set (Set of 6 Pcs.)  
AH 2186 1 3 Pcs Cut Piece Hose, id 2¼"  
AH 2187 2 2 Pcs Cut Piece Hose, id 1½"  
AH 2188 3 1 Pcs Cut Piece Hose, id 2½"



## Cummins

- AH 2189 Make Up Line Hose, 1"



## Leyland Generator

- AH 2190 Hose Pipe Set Leyland Generator  
AH 2191 1 Double Bend Hose  
AH 2192 2 Long Hose



## Generator

- AH 2195/1 1 Z-Bend Hose, 2¼" (Right Bend)  
AH 2195/2 2 Z-Bend Hose, 2¼" (Left Bend)



## EPDM &amp; NBR Hoses

#O.E. part numbers are for reference only



## JCB 3D O/M (98 Model, RB 44 Engine)

AH 3000	Hose Pipe Set ( Set of 5 pcs.)
AH 3001	1 L-Bend Hose, id 1½"
AH 3002	2 Double Bend Hose
AH 3003	3 Cut Piece Hose (Small), (1¼" X 5")
AH 3004	4 Cut Piece Hose (Big), (1¼" X 5")
AH 3005	5 Cut Piece Hose, (2¼" X 4")



## JCB 3DX (2006-2009 Model)

AH 3040	Hose Pipe Set ( Set of 5 pcs.)
AH 3041	1 L-Bend Hose, 1¼" ( Big ) (40-302254)
AH 3042	2 L-Bend Hose, 1¼" ( Small )(40-302253)
AH 3043	3 Double Bend Hose, 1¼" (40-302252)
AH 3044	4 Cut Piece Hose, (1¼" X 5")
AH 3045	5 Cut Piece Hose, (1¼" X 4")



## JCB 3D N/M (99-2002, Kirloskar 1040 Eng.)

AH 3050	Hose Pipe Set ( Set of 4 pcs.)
AH 3051	1 L-Bend Hose, id 1½" Big
AH 3052	2 L-Bend Hose, id 1½" Small
AH 3053	3 Cut Piece Hose , Big
AH 3054	4 Cut Piece Hose, Small



## JCB 3D (2003-2005 Model)

AH 3010	Hose Pipe Set ( Set of 6 pcs.)
AH 3011	1 L-Bend Hose, 1½" ( Big )
AH 3012	2 L-Bend Hose, 1¼" ( Small )
AH 3013	3 Cut Piece Hose, (1¼" X 5" )
AH 3014	4 Cut Piece Hose, (1¼" X 5" )
AH 3015	5 Cut Piece Hose, (1¼" X 4½" )
AH 3016	6 Cut Piece Hose, (1¼" X 2" )



## JCB 3DX (2011-12 Model)



## JCB 3DX (2011-12 Model)

AH 3060	Hose Pipe Set ( Set of 4 Pcs. )
AH 3061	1 Big, Z-Bend Hose (332-Y2936)
AH 3062	2 S-Bend Hose (332-Y8306)
AH 3063	3 Cut Piece Hose, Big
AH 3064	4 Cut Piece Hose, Small
AH 3066	Suction Hose JCB (40-302255) ( Universal, With Spring )
AH 3067	Air Cleaner Hose JCB 3D (3" L-Bend )
AH 3068	Reducer Hose, 1¼" & 2", 3" Long



## JCB &amp; CUSTOM BUILD HOSES



## CRAIN : ACE O/M

- AH 3020 Hose Pipe Set (Set of 3 pcs.)  
AH 3021 1 L-Bend Hose  
AH 3022 2 S-Bend Hose  
AH 3023 3 Z-Bend Hose



## JCB &amp; CUSTOM BUILD HOSES

- AH 3056 Radiator Hose (Branch Hose) JCB 2017 Model (334/Y3239)  
AH 3057 Rad. Water Hose JCB 3DX (332/Y0384)  
AH 3058 Suction Hose JCB (335/Y3390)  
AH 3059 Reducer Hose  
AH 3059A Connection Hose JCB  
AH 3059B Hydraulic Oil Cooler Hose (834/10764)  
AH 3059C Double Bend Hose, Small

## (Custom Build Crains)

- AH 3098 L-Bend Hose, 1½" & 1¼", 18" Long  
AH 3099 L-Bend Hose, 1½" & 2", 18" Long

## CRAIN ACE N/M

- AH 3030 Hose Pipe Set (Set of 3 pcs.)  
AH 3031 1 L-Bend Hose  
AH 3032 2 S-Bend Hose  
AH 3033 3 Z-Bend Hose



## EPDM &amp; NBR Hoses

#O.E. part numbers are for reference only

## ESCORTS HYDRA CRAIN

- AH 3070 Hose Pipe Set (Set of 2 Pcs.)  
AH 3071 1 Inlet Hose  
AH 3072 2 Outlet Hose



## CRAIN : ACE HYDRA

- AH 3035 Hose Pipe Set Ace Hydra (Set of 2 Pcs.)  
AH 3036 1. Inlet Hose  
AH 3037 2. Outlet Hose  
AH 3038 Air Cleaner Hose





## HYUNDAI EXCAVATOR R-210-7

AH 3080	Hose Pipe Set ( Set of 2 pcs. )
AH 3081 1	11N640110 Z-Bend
AH 3082 2	11N640100 S-Bend



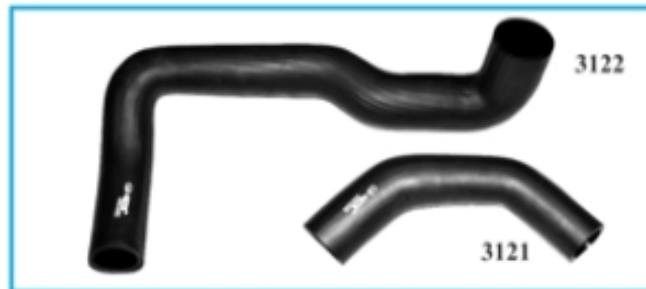
## KAMATSU PC 200

AH 3140	Hose Pipe Set Kamatsu PC 200 ( 2 Pcs.)
AH 3141	1. Long Hose
AH 3142	2. Z-Bend Hose



## L&amp;T 770

AH 3120	Hose Pipe Set L & T 770 ( 2 Pcs.)
AH 3121	1. Inlet Hose, Small
AH 3122	2. Outlet Hose, Big



## HITACHI EX 200

AH 3150	Hose Pipe Set Hitachi Ex 200 ( 2 Pcs.)
AH 3151	1. L-Bend Hose
AH 3152	2. Z-Bend Hose



## KAMATSU EXCAVATOR

AH 3130	Hose Pipe Set Kamatsu ( 2 Pcs.)
AH 3131	1. Inlet Hose, Small
AH 3132	2. Outlet Hose, Big



## HITACHI EX 210

AH 3160	Hose Pipe Set Hitachi Ex 210 ( 2 Pcs.)
AH 3161	1. Z-Bend Hose
AH 3162	2. Long Hose





## KAMATSU DOZER D85

- |         |   |                                  |
|---------|---|----------------------------------|
| AH 3146 | 1 | L-Bend Hose 63mm id & 350mm Long |
| AH 3147 | 2 | 28mm L-Bend Hose, 4" by 4"       |



## FORKLIFT HOSES

- |         |   |  |
|---------|---|--|
| AH 3091 | 1 | L-Bend Hose, 1½" X 18" Voltas Forklift |
| AH 3092 | 2 | L-Bend Hose, 1¼" X 18" Voltas Forklift |
| AH 3093 | 3 | Double Bend Hose (Jeep S4)             |
| AH 3094 | 4 | Double Bend Hose (238 Type)            |
| AH 3095 | 5 | L-Bend Hose, 1½" X 10½"                |





## INDUSTRIAL L-BENDS, 18" &amp; 22"



AH 4197	1	25.40 mm	L-Bend Hose, 1" X 18"
AH 4198	2	31.75 mm	L-Bend Hose, 1¼" X 18"
AH 4199	3	38.10 mm	L-Bend Hose, 1½" X 18"
AH 4200	4	44.45 mm	L-Bend Hose, 1¾" X 18"
AH 4201	5	50.80 mm	L-Bend Hose, 2" X 18"
AH 4202	6	55.00 mm	L-Bend Hose, 2¼" X 18"
AH 4203	7	60.00 mm	L-Bend Hose, 60mm X 18"
AH 4204	8	65.00 mm	L-Bend Hose, 65mm X 18"
AH 4205	9	70.00 mm	L-Bend Hose, 2½" X 18"
AH 4206	10	75.00 mm	L-Bend Hose, 3" X 18"
AH 4206A	11	82.55 mm	L-Bend Hose, 3¼" X 18"
AH 4207	12	89.00 mm	L-bend Hose, 3½" X 18"
AH 4208	13	101.60 mm	L-Bend Hose, 4" X 18"
AH 4208A	14	114.30 mm	L-Bend Hose, 4½" X 18"
AH 4209	15	127.00 mm	L-Bend Hose, 5" X 18"
AH 4210A	1	25.40 mm	L-Bend Hose, 1" X 22"
AH 4210B	2	31.75 mm	L-Bend Hose, 1¼" X 22"
AH 4210C	3	38.10 mm	L-Bend Hose, 1½" X 22"
AH 4210D	4	44.45 mm	L-Bend Hose, 1¾" X 22"
AH 4211	5	50.80 mm	L-Bend Hose, 2" X 22"
AH 4212	6	55.00 mm	L-Bend Hose, 2¼" X 22"
AH 4213	7	60.00 mm	L-Bend Hose, 60mm X 22"
AH 4214	8	65.00 mm	L-Bend Hose, 65mm X 22"
AH 4215	9	70.00 mm	L-Bend Hose, 2½" X 22"
AH 4216	10	75.00 mm	L-Bend Hose, 3" X 22"
AH 4216A	11	82.55 mm	L-Bend Hose, 3¼" X 22"
AH 4217	12	89.00 mm	L-bend Hose, 3½" X 22"
AH 4218	13	101.60 mm	L-Bend Hose, 4" X 22"
AH 4218A	14	114.30 mm	L-Bend Hose, 4½" X 22"
AH 4219	15	127.00 mm	L-Bend Hose, 5" X 22"

## REDUCER HOSES, 7" LENGTH



AH 4228	Reducer Hose, 30mm & 38.10mm
AH 4229	Reducer Hose, 38.10mm & 45mm
AH 4230	Reducer Hose, 45mm & 50mm
AH 4231	Reducer Hose, 45mm & 55mm
AH 4232	Reducer Hose, 50mm & 60mm
AH 4233	Reducer Hose, 55mm & 65mm
AH 4234	Reducer Hose, 65mm & 70mm
AH 4235	Reducer Hose, 65mm & 75mm
AH 4236	Reducer Hose, 70mm & 80mm
AH 4237	Reducer Hose, 3" by 4"
AH 4238	Reducer Hose, 4" by 5"

## REDUCER HOSES : LENGTHS



AH 4249	Reducer Hose, 7mm & 13mm X 30" Long
AH 4250	Reducer Hose, 6mm & 8mm X 40" Long
AH 4251	Reducer Hose, 8mm & 10mm X 40" Long
AH 4252	Reducer Hose, 12mm & 15mm X 24" Long
AH 4253	Reducer Hose, 15mm & 19mm X 24" Long
AH 4254	Reducer Hose, 18mm & 19mm X 30" Long

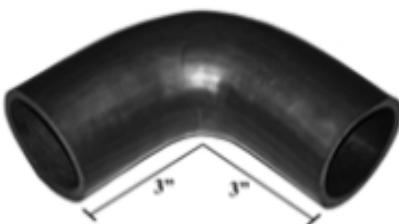
## INDUSTRIAL L-BENDS



AH 4255	L-Bend Hose, 1¼" X 8" X 16"
AH 4259	L-Bend Hose, 1½" X 6" X 24"
AH 4260	L-Bend Hose, 1½" X 12" x 24"
	(36" Length)
AH 4270	L-Bend Hose, 1¼" X 12" X 12"
AH 4271	L-Bend Hose, 1¼" X 12" X 14"
AH 4272	L-Bend Hose, 1¼" X 12" X 22"
AH 4273	L-Bend Hose, 1¼" X 13" X 25"
	(40"Length)
AH 4279	L-Bend Hose, 2" X 5" X 5"
AH 4280	L-Bend Hose, 2" X 12" X 12"
AH 4281	L-Bnd Hose, 2" X 12" X 14"
AH 4282	L-Bend Hose, 2" X 13" X 13"
AH 4283	L-Bend Hose, 2" X 10" X 20"
	(32" Length)
AH 4285	L-Bend Hose, 2¼" X 5" X 5"
AH 4286	L-Bend Hose, 2¼" X 12" X 15"
AH 4287	L-Bend Hose, 2¼" X 13" X 13"
	(29" Length)
AH 4289	L-Bend Hose, 2½" X 5" X 5"
AH 4290	L-Bend Hose, 2½" X 12" X 15"
AH 4291	L-Bend Hose, 2½" X 9" X 18"
	(29" Length)
AH 4292	L-Bend Hose, 2¼" X 12" X 12"
AH 4293	L-Bend Hose, 2¼" X 13" X 13"
	(30" Length)
AH 4294	L-Bend Hose, 3" X 12" X 15"
AH 4295	L-Bend Hose, 3" X 10" X 19"
	(32" Length)

**ELBOW HOSES (3" BY 3")**

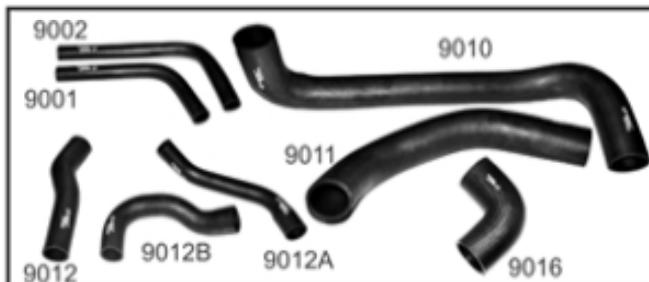
- AH 4301 Elbow Hose, 1" X 1"  
 AH 4302 Elbow Hose, 1½" x 1½"  
 AH 4303 Elbow Hose, 1¼" X 1¼"  
 AH 4304 Elbow Hose, 2" X 2"  
 AH 4305 Elbow Hose, 2¼" X 2¼"  
 AH 4306 Elbow Hose, 2½" X 2½"  
 AH 4307 Elbow Hose, 3" X 3"  
 AH 4308 Elbow Hose, 4" X 4"  
 AH 4309 Elbow Hose, 5" X 5"  
 AH 4310 Elbow Hose, 6" X 6"

**REDUCER ELBOW HOSES (3" by 3")**

- AH 4321/4262A C-Bend Hose, 50mm by 60mm  
 AH 4322/4262B C-Bend Hose, 50mm by 75mm  
 AH 4323/4268 C-Bend Hose, 55mm by 60mm  
 AH 4324/4269 C-Bend Hose, 55mm by 65mm  
 AH 4325/4263 C-Bend Hose, 60mm by 70mm  
 AH 4326/4265 C-Bend Hose, 60mm by 75mm  
 AH 4327/4266 C-Bend Hose, 65mm by 75mm  
 AH 4328/4269A C-Bend Hose, 75mm by 100mm

**MISCELLANEOUS HOSES**

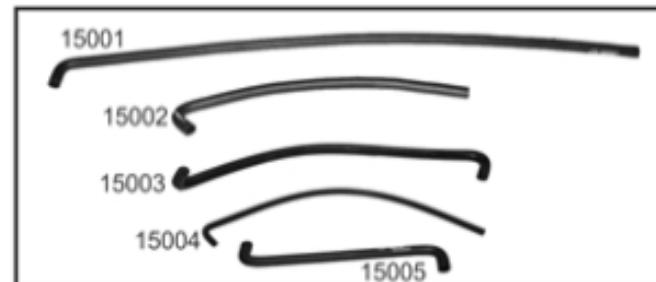
- AH 9000 L-Bend Hose Set (Set of 2 Pcs.)**  
 AH 9001 1. L-Bend Hose, 1" X 14"  
 AH 9002 2. L-Bend Hose, 1" X 18"  
  
 AH 9010 Long Hose, id 2"  
 AH 9011 Bend Hose, id 2" X 23"  
 AH 9012 S-Bend Hose Isuzu Eng.  
 AH 9012A Long Hose Isuzu Eng.  
 AH 9012B U-Bend Hose Isuzu Eng.  
 AH 9016 L-Bend Hose, 2" X 10"(Center Bend)

**MISCELLANEOUS HOSES**

- AH 9017 L-Bend Hose, 3" X 12" ( Center Bend )  
 AH 9018 L-Bend Hose, 60mm X 13"  
 AH 9019 Reducer L-Bend Hose(1550000314)  
 AH 9019A Reducer L-Bend Hose(1550000313A)  
 AH 9020 L-Bend Hose, id 3" & 3½"  
 AH 9021 L-Bend Hose, ¾" id. X 13 cm X 13 cm  
 AH 9022/4260 C-Bend Hose, 1½" X 12"

**ROYAL ENFIELD HOSES**

- AH 15001 L-Bend Hose, 33"  
 AH 15002 L-Bend Hose, 17"  
 AH 15003 Z-Bend Hose, 23"  
 AH 15004 L-Bend Hose, 4mm X 19"  
 AH 15005 Z-Bend Hose, 15"

**EPDM & NBR Hoses**

#O.E. part numbers are for reference only



### Heat Resistant Coolant & Heater Hoses

( Designed for heater hose applications, where resistance to antifreeze coolants and under hood temperature are required.)

**Application :** General Purpose, Heater Systems  
**Tube & Cover :** EPDM Rubber  
**Reinforcement :** Polyester Yarn  
**Resistance :** Tube/Cover Hot Water, Heat, Ozone and Weather Conditions.  
**Sizes available :** 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 12mm, 14mm, 15mm, 18mm, 19mm & 22mm.  
**Coil length :** 1, 6, 10, 25 & 50 meters.

( Wall Thickness & Length can be customized as per the requirement, Standard Wall Thickness is 4mm)

AH 5000 : 5mm	AH 5005 : 12mm
AH 5001 : 6mm	AH 5005A : 14mm
AH 5001A : 7mm	AH 5006 : 15mm
AH 5002 : 8mm	AH 5006A : 18mm
AH 5003 : 9mm	AH 5007 : 19mm
AH 5004 : 10mm	AH 5008 : 22mm

#### Coolant Hoses ( LWT Range )

AH 5001-LWT : 6mm	AH 5005-LWT : 12mm
AH 5002-LWT : 8mm	AH 5006-LWT : 15mm
AH 5003-LWT : 9mm	AH 5007-LWT : 19mm
AH 5004-LWT : 10mm	AH 5009-LWT : 25mm

### Vacuum Hoses / Brake Hoses

( A light duty hose specifically designed for power vacuum applications on cars and light duty trucks, Thickness of 3mm)

**Application :** Water, Air & Windshield applications  
**Tube :** EPDM Rubber (No re-inforcement)  
**Resistance :** Hot Water, Heat, Ozone & Weather Conditions.  
**Coil length :** 1, 6, 10, 25 & 50 meters.

( Wall Thickness & Length can be customized as per the requirement, Standard wall thickness is 3mm)

AH 5020	Coolant Hose, 3mm
AH 5021	Coolant Hose, 4mm
AH 5022	Coolant Hose, 5mm
AH 5023	Coolant Hose, 6mm
AH 5024	Coolant Hose, 7mm

### Heat Resistant Coolant & Heater Hoses



### Fuel & Oil Resistant Hoses

( The Hoses are Oil Resistant, with tube of NBR rubber with reinforcement layer, can be fully immersed in the fuel tank )

**Application :** Diesel Pipe  
**Tube & Cover :** NBR Rubber  
**Resistance :** Oil Resistant.  
**Coil length :** 1, 6, 10, 25 & 50 meters.

( Wall Thickness & Length can be customized as per the requirement, Standard wall thickness is 3.50mm-4.00mm )

AH 7010A	Oil Hose, 4mm
AH 7011A	Oil Hose, 5mm
AH 7012A	Oil Hose, 6mm
AH 7013A	Oil Hose, 7mm
AH 7014A	Oil Hose, 8mm
AH 7015A	Oil Hose, 9mm

### STRAIGHT HOSES (3 FEET, 36" LENGTH)

AH 1001	Straight Hose, $\frac{1}{2}$ "
AH 1002	Straight Hose, $\frac{3}{8}$ "
AH 1003	Straight Hose, $\frac{5}{16}$ "
AH 1004	Straight Hose, $\frac{7}{16}$ "
AH 1005	Straight Hose, 1"
AH 1005A	Straight Hose, $1\frac{1}{8}$ "
AH 1006	Straight Hose, $1\frac{1}{4}$ "
AH 1006A	Straight Hose, $1\frac{3}{8}$ "
AH 1007	Straight Hose, $1\frac{1}{2}$ "
AH 1007A	Straight Hose, $1\frac{5}{8}$ "
AH 1008	Straight Hose, $1\frac{3}{4}$ "
AH 1009	Straight Hose, 2"
AH 1009A	Straight Hose, $2\frac{1}{8}$ "
AH 1010	Straight Hose, $2\frac{1}{4}$ "
AH 1011	Straight Hose, $2\frac{5}{8}$ "
AH 1011A	Straight Hose, $2\frac{3}{4}$ "
AH 1012	Straight Hose, $2\frac{7}{8}$ "
AH 1012A	Straight Hose, $2\frac{15}{16}$ "
AH 1013	Straight Hose, 3"
AH 1013A	Straight Hose, $3\frac{1}{4}$ "
AH 1014	Straight Hose, $3\frac{1}{2}$ "
AH 1015	Straight Hose, 4"
AH 1015B	Straight Hose, $4\frac{1}{2}$ "
AH 1016	Straight Hose, 5"



### EPDM & NBR Hoses

#O.E. part numbers are for reference only

# C E R T I F I C A T I O N

"The best advertisement of a product is it's quality"

**IRMRA**  
INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION  
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**DEVELOPMENTAL EVALUATION REPORT**

ULR No : TC771R300000003738P      05 Feb 2020      Page 1 of 4

--- CUSTOMER DETAILS ---

Customer Name & Address :  
Mr. Tuteja Industries (India)  
D-429, Sector-5  
Bawana  
New Delhi - 110039

Contact Person : Mr. Nitin Tuteja

Telephone No. : -

Customer Letter Ref No with Date : Letter Dated 18 Sep 2019

Date of Receipt : 19 Sep 2019

Any Other Information like witness / third party : Same Sample Details/Details/Sample ID-AH 1007/Cut Piece Hose, ID 1.50"/L- Bend 1.50 Spec. ARI-030-R1 MAR 2014

--- SAMPLE DETAILS ---

Sample Code / Description : Sample ID-AH 1007/Cut Piece Hose, ID 1.50"/L- Bend 1.50 Spec. ARI-030-R1 MAR 2014

Product Specification : ARI-030-R1 MAR 2014

Sample Code / Description : Sample ID-AH 1007/Cut Piece Hose, ID 1.50"/L- Bend 1.50 Spec. ARI-030-R1 MAR 2014

Product Specification : ARI-030-R1 MAR 2014

--- REPORT DETAILS ---

Description of Report	Page No.
TC771R300000003738P - H & R	3 of 4
TC771R300000003738P - C & I	4 of 4

Terms and Conditions  
Evaluation done by IRMRA, unless otherwise stated.  
2. The result enclosed are only related to the sample submitted to us.  
3. The report shall not be reproduced except in full without prior written permission of laboratory.  
4. Information contained in this letter or enclosed reports refers purely meant for your guidance and should not be used for litigation/references/activities, without prior permission from laboratory.

WITNESS : Mr. Nitin Tuteja, Managing Director, Mr. Tuteja Industries (India), New Delhi, India

Prepared and Checked By : Nitin Tuteja, Managing Director, Mr. Tuteja Industries (India)

Stamp : Tuteja Industries (India)

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**TECHNICAL REPORT / H & R**  
ULR No : TC771R300000003738P      05 FEB 2020      Page 2 of 4

Sample : Sample Hoses/Sample IDAH 1007/Cut Piece Hose, ID 1.50"/L- Bend 1.50 Spec. ARI-030-R1 MAR 2014

Test ( Condition )	Method	Unit	Specified Value	Observed Value
Tensile Strength Before Aging	ASTM D-412	kg/cm <sup>2</sup>	70	70
Change in Length Before Aging	ASTM D-412	%	200mm	204
Hardness	ASTM D-240	Shore A	60-75	65
Water Vap. Resistance Before Aging	ASTM D-177	%	200mm	214
Resist. to Heat	ASTM D-473	%	-200mm	-15
Change in Hardness Before Aging	ASTM D-473	%	-200mm	-15
Change in Tensile Strength Before Aging	ASTM D-473	%	-200mm	-15
Change in Water Vap. Resistance Before Aging	ASTM D-473	%	-200mm	-15
Change in Hardness After Aging	ASTM D-473	%	-200mm	-15
Change in Tensile Strength After Aging	ASTM D-473	%	-200mm	-15
Resist. to Heat After Aging	ASTM D-473	%	-200mm	-15
Change in Hardness After Aging	ASTM D-473	%	-200mm	-15
Change in Water Vap. Resistance After Aging	ASTM D-473	%	-200mm	-15
Change in Hardness Before Aging	ASTM D-473 Method B	%	20 mm	70

Prepared and Checked By : Nitin Tuteja, Managing Director, Mr. Tuteja Industries (India)

Stamp : Tuteja Industries (India)

**Certificate of Registration**  
This is to certify that  
**ARCL**  
A registered Society  
**Tuteja Industries (India)**  
Factory : E - 429, Pocket - E, Sector 5, Bawana, New Delhi - 110039 India,  
H.O. : 196, Avtar Enclave, Paschim Vihar, New Delhi - 110063 India.

has been assessed by ARCL and found to comply with the requirements of

**ISO 9001 : 2015**  
Quality Management System

For the following activities:  
Manufacturing and Supply of Rubber Hoses.

This Certificate is Valid from 31-12-2019 until 30-12-2021

Date of Initial Certification : 31-12-2019  
for Surveillance on or before : 30-12-2020  
Date Surveillance on or before : 30-12-2021  
Certification Valid Until : 30-12-2022

**Certificate No. : 19RQ1AU**

Royal Impact Certification Ltd.  
Certificate details entered into JAS-ANZ register on 31/3/2019  
K3, Tower B, Oberoi Plaza, P. B. Marg, Al, Sector 21, Noida - 201301, India  
+91 98100 00000 | +91 98100 00001 | www.jas-anz.org  
This Certificate is valid for the activities of Royal Impact Certification Limited. Must be returned on request if certificate is transferred. Validity of certification is subject to successful surveillance audit. ARCL is accredited by JAS-ANZ, IAF, of ISO 9001:2015 Quality Management System.

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**TECHNICAL REPORT / H & R**  
ULR No : TC771R300000003738P      05 FEB 2020      Page 3 of 4

Sample : Sample Hoses/Battalons/Sample IDAH 1007/Cut Piece Hose, ID 1.50"/L- Bend Hose 1.50 Spec. ARI-030-R1 MAR 2014

Test ( Condition )	Method	Unit	Specified Value	Observed Value
Tensile Strength Before Aging	ASTM D-412	kg/cm <sup>2</sup>	70	70
Change in Length Before Aging	ASTM D-412	%	200mm	204
Hardness	ASTM D-240	Shore A	60-75	65
Water Vap. Resistance Before Aging	ASTM D-177	%	200mm	214
Resist. to Heat	ASTM D-473	%	-200mm	-15
Change in Hardness Before Aging	ASTM D-473	%	-200mm	-15
Change in Tensile Strength Before Aging	ASTM D-473	%	-200mm	-15
Resist. to Heat Before Aging	ASTM D-473	%	-200mm	-15
Change in Hardness After Aging	ASTM D-473	%	-200mm	-15
Change in Tensile Strength After Aging	ASTM D-473	%	-200mm	-15
Resist. to Heat After Aging	ASTM D-473	%	-200mm	-15
Change in Hardness Before Aging	ASTM D-473 Method B	%	20 mm	70

Prepared and Checked By : Nitin Tuteja, Managing Director, Mr. Tuteja Industries (India)

Stamp : Tuteja Industries (India)

**IRMRA**  
INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION  
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**TECHNICAL REPORT / C & I**  
ULR No : TC771R300000003738P      05 FEB 2020      Page 4 of 4

Sample : Sample Hoses/Battalons/Sample IDAH 1007/Cut Piece Hose, ID 1.50"/L- Bend Hose 1.50 Spec. ARI-030-R1 MAR 2014

Test ( Condition )	Method	Unit	Specified Value	Observed Value
Adhesive Strength	ASTM D-267	% by wt.	7.0mm	10.15
Vaseline	ASTM D-475	%	-0 to +20	+2.5
Water (50:50 Ethylene Glycol + Distilled Water) Residue Temp. (72 hrs.)				
Change in Tensile Strength Before Aging	ASTM D-473	%	-200mm	-15
Change in Hardness Before Aging	ASTM D-473	%	-200mm	-15
Change in Water Vap. Resistance Before Aging	ASTM D-177	%	200mm	-15
Change in Resistivity Before Aging	ASTM D-473	ohm	10 <sup>12</sup>	10 <sup>12</sup>
Change in Hardness After Aging	ASTM D-473	%	-200mm	-15
Change in Tensile Strength After Aging	ASTM D-473	%	-200mm	-15
Resist. to Heat Before Aging	ASTM D-473	%	-200mm	-15
Change in Hardness Before Aging	ASTM D-473	%	-200mm	-15
Change in Tensile Strength Before Aging	ASTM D-473	%	-200mm	-15
Resist. to Heat After Aging	ASTM D-473	%	-200mm	-15
Change in Hardness After Aging	ASTM D-473	%	-200mm	-15
Change in Water Vap. Resistance After Aging	ASTM D-177	%	200mm	-15
Change in Resistivity After Aging	ASTM D-473	ohm	10 <sup>12</sup>	10 <sup>12</sup>
Change in Hardness Before Aging	ASTM D-473 Method B	%	20 mm	70

Prepared and Checked By : Nitin Tuteja, Managing Director, Mr. Tuteja Industries (India)

Stamp : Tuteja Industries (India)

**ADVANCE INSPECTION & TESTING LAB**  
B710, Meena Industrial Estate, Phase 1, New Delhi-110061  
Web : www.aitl-test.com | Email : info@aitl-test.com | Tel : +91-98105-00484, +91-98105-00485

**TEST REPORT**  
Report No: AITL/1435/01  
B-429, Sector-5, Bawana,  
New Delhi-110039  
India  
Date of Issue: 29-10-2019  
Date of Report: 29-10-2019  
Party Ref. No. PV Date: 21-10-2019  
Order Confirmation Date: 21-10-2019

**SAMPLE PARTICULARS**  
1. Sampling Method: It has not been done by the laboratory  
2. Sample Prepared by Party  
3. Sample Description: One sample described as below, marked samples, was received for following test(s).

TESTS RESULTS	TEST METHOD	RESULT
1. Adhesive Strength	ASTM D-267	7.0
2. Hardness, Shore A	ASTM D-240	65
3. Tensile Strength, A/50	ASTM D-473	6.0
4. Resistance to Heat, 72 hrs.	ASTM D-473	11.12

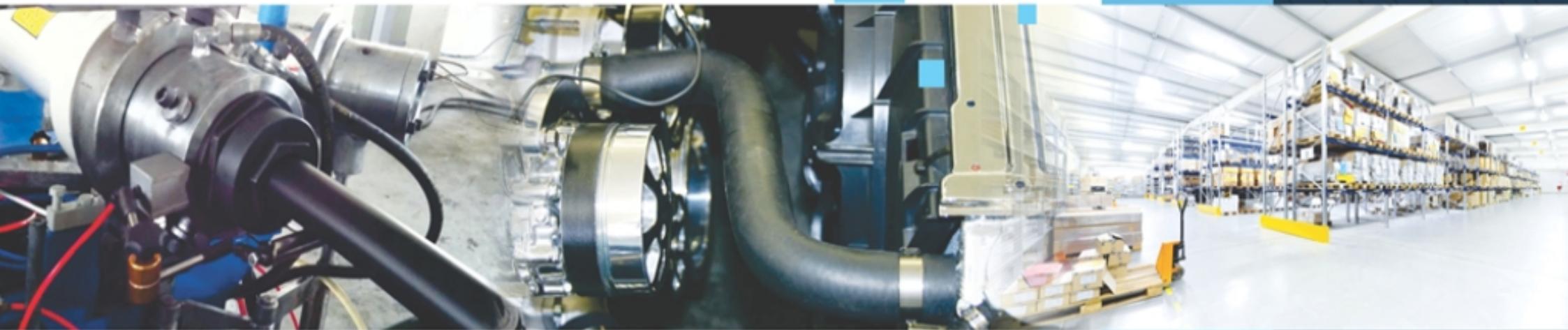
**TESTS RESULTS**

1. The sample listed under order date is tested samples are applicable. Information of process or condition referred are treated as "Tested". If certain test is failed in the initial analysis, it is retested after 10 days of the date of test certificate issued specific information. 2. The report can be issued on behalf of the laboratory or its authorized representative. 3. The laboratory is not liable to accept responsibility for any damage or loss caused due to any defect in the test results. 4. In case of any dispute, the jurisdiction shall be the New Delhi Courts.

Stamp : AITL TEST

Prepared and Checked By : Nitin Tuteja, Managing Director, Mr. Tuteja Industries (India)

Stamp : Tuteja Industries (India)



Manufacturer :

**TUTEJA INDUSTRIES (INDIA)**

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Near Dev Dharam Kanta, Panipat -132103  
Haryana, India

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**CATALOGUE  
2021**