

# A COMPLETE SOLUTION FOR

## HOSE ASSY. HOSE KITS & HYDRAULIC PIPE FITTINGS



**Delivering leakproof Hose Assy.**



**Making reliability A - Reality.**



# RAIPUR HYDRAULICS PVT. LTD.



## WHY "RAIPUR HYDRAULICS" ?



RAIPUR HYDRAULICS is focussed on achieving excellence in the design manufacture, service & supply of Hose Assembly, Hosekits, Fittings & Automotive components, Fluid conveyance solutions for High Pressure hydraulic equipment **LOADER, DUMPER, DRILL, SHOVEL, DOZER, CRANE** etc.

Quality and Sustainable development, Experience and dedicated team are the driving force of RAIPUR HYDRAULICS activities with an aim to guarantee of quality product, availability of Technical and Commercial support for Hose Assy. kits and Services.

### An Integrated Approach.....

HEMM Equipment Hydraulic application require robust End fitting solutions with guaranteed long lasting performance Hose Assy.

To that Raipur Hydraulics offer a complete Range of Hoses.

GATES, EATON, SEMPERIT etc.



Fitting and Assembly equipment which are designed to work seamlessly join together.

From Design to manufacture and assembly.

## RH Flanges

### Design

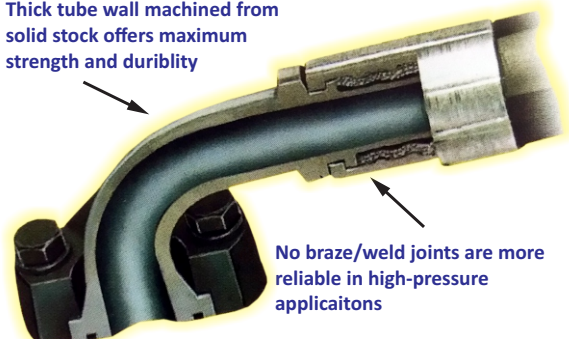
### Advantages

Tapered flange head design	Increased Stress Resistance. Better vibration resistance and reliability by eliminating braze joints.
Thicker tube Walls	Eliminate possible leak points Better vibration resistance.
No Braze/Weld Joints	More reliable High pressure capability
Premium lead-free steel	Improved Flexing impulse performance
Easily adapts to flange ports	Better stress resistance than brazed or welded fittings. Easier to install assemblies Reduced replacement cost for standard and straight coupling assemblies. More design flexibility.
No-braze/weak joints	High-pressure reliability. Eliminates flange head separation and premature tube failure. Increase safety factor and burst ratios
Long Life Plating	More than five times better corrosion resistance than SEA ASTM B117 Specification

### Solid, One-Piece flange coupling preferred for high-pressure applications

#### RH Flange Coupling

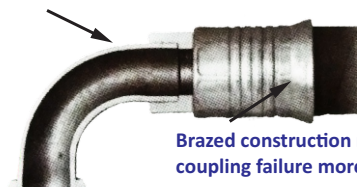
Thick tube wall machined from solid stock offers maximum strength and durability



No braze/weld joints are more reliable in high-pressure applications

#### Competitor's 90° Flange Coupling

Thin Tube wall is more susceptible to cracking



Brazed construction makes coupling failure more likely

VS

## SERVICE

Promoter utilising his knowledge and experience of **three Decades** in this field, RHPL offer services in contributing to trouble free operation of equipment.

- Correct Routing/Re-routing of Hose Assy.
- Complete kit of Hose Assy. Replacement by experience technicians.
- Designing for complete Industrial and HEMM Hose layout.
- Suggesting Right application of Hose & its safety.
- Defining Service life of Hose Assy.
- Complete solution for Steel Tube, Bend, Connector & Hose Assy.
- Minimisation of cost by reducing Oil Loss & Breakdown time of Equipment.

## PRIMARY / PRIORTIY SECTOR CERTIFICATE

Govt. of Chhattisgarh Directorate of Industry has awarded priority sector certificate vide letter No. 926 date-13.10.2015 to **RAIPUR HYDRAULICS PRIVATE LIMITED** for manufacturing of Hose Assy. 36000 nos. Annual and Automotive Components, Fitting 316000 per annum. **Registered with NSIC**

## QUALITY MANAGEMENT SYSTEM

**RAIPUR HYDRAULICS PVT. LTD. is ISO 9001:2015** Certified company for quality management system certificate No. IAS/QMS/B1090 date-01.02.2017 by **IAS International Accreditation service.**



Recognized by  
Govt. of India as  
a Startup Unit

## OUR VALUED CUSTOMER



**& WELCOME TO ADD - ON YOUR NAME**

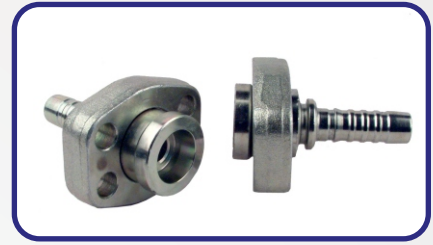


## RANGE OF PRODUCT



All types of Hydraulic & Pneumatic Hose Assy. From **1/4" I.D. to 8" I.D.**

As per OEM's Part no. Hose Assy. are available for all types of **HEMM Equipment , LOADER, DOZER, DUMPER, EXCAVATOR, MOTOR GRADER, CRANE, DRILLING RINGS, SURFACE MINER , LONGWALL ETC.**



## INDUSTRIAL HOSES

- Thermoplastics Hose
- SS Corrugated Hose
- Carbon Free Hose
- Rock Drill Hose
- Teflon Hose
- Steam Hose
- Pneumatic Hose
- Air-Water Hose
- Petrol Hose
- Concrete Hose
- Sand Blast Hose
- Suction & Discharge Hose for FLYASH, DUST, Abrasive material Handling Hose.



## FITTINGS

- STAPLE LOCK ADAPTERS & INSERT as per NCB- 638
- All Type of Hose End Connections from 1 /4" I.D. to 4" I.D.
- ORFS , BSP, METRIC, JIC-UNF, MALE , FEMALE, SAE FLANGE NPT etc...
- ADAPTERS, NUT, NIPPLE, SOCKET, FERRULE, FLANGE ETC.
- STEEL - TUBES, AUTOMOTIVE COMPONENTS.
- Hose Safe Guard, Spring Guard, Plastic Guard, Ceramic and S.S Wire braiding on Hose.
- Heat Guard protective Sheathing.



## WITH QUALITY PRODUCTS & SERVICE WE SOLVE YOUR PROBLEMS

**RH Hose Assy.** are produced by skilled and experience team with over 20 years of Hose Assy. Manufacturing knowledge.

We analyze the feedback from our customers. Our experience with the latest technology, quality components and the feedback is converted into most reliable, highly accurate, easy to use crimping solutions. Our products have been developed to meet the requirement in a variety of different industries.

RH Hose Assy. offer the highest and most dependable quality with a vast experience in Product Design, Engineering, Development and Manufacturing, Hose Assy. which are designed and produced with an eye on customer's productivity.

The outstanding driven force behind **RH** Hose Assy. lies in many professional, skilled personnel with go-ahead attitude driven by a strong willingness of service to our customer. At RH we always strive to provide quality solutions complete kit Hose Assy. Replacement concept to our Customers.

Our stringent quality practices ensure that our Hose Assy. meets the highest production standards. RH Hose Assy. is design in the concept to avoid oil loss and breakdown time of customer's HEMM Equipment.

RH believes in working very closely with customers whether it is service at the field, development of any new Hose training programme or meeting special needs. Our qualified Engineers are always efficient and quick to respond.

### On Time Delivery

Time between order and delivery is short. Our modern production technology and modularity of end fitting parts enable Flexibility in delivery times. Strict quality control of our production and final Test of each Hose Assy. ensure that the final product Hose Assy. is serviceable and according to specifications.

### RH HOSE ASSEMBLY, HOSE KITS & FITTING

All Hoses are assembled confirming to standard **SAE, BCS-174 DIN International specifications and OEM's standards.** Hose Assembly, Hose kits and End Fittings are guaranteed against all manufacturing defects. Whether it is new manufacturing techniques, machinery or testing. Our commitment to higher standards in our products and services.

Wide Range of Hose Assy. Of HEMM Equipment is available at reasonable price. Our product range cover **KOMATSU, CATERPILLAR, BEML, VOLVO, KOBELCO, ATLAS COPCO, TELCON HITACHI, TEREX, DEMAG, POCLAIN, ESCORT, JCB, TITAN, LONGWALL, SDLE MCO, ELECON –TIL ETC.**

Our Hose Assy. are subjected to rigorous tests to with stand the stress and strain of gruelling working conditions. RH Hose Assy. will give you a longer life time and lesser down time of your costly Equipment.



## SAFE & HIGH PERFORMANCE WITH EXPERIENCE

'RHPL' Hose Assy. & Hose Kits are produced out of State-of-the-art in House production and Test Facilities



## RIGOROUS TESTING PROCESS beyond industry standards

INPUT OF RAW-MATERIAL – **STEEL - EN-1A, EN-8, EN-3B** Hose through identification and selection of source is of proven quality.

Authorised Distributor of EATON (AEROQUIP) , GATES, SEMPERIT meets Flame Resistance Acceptance Designation "MSHA2G"

## SYSTEMATIC QUALITY CHECKS

- Raw Materials
- Accuracy in End Fitting Dimension
- Positive Lock with Reinforcement
- Interlock Design Fitting
- Minimum Through Bore – Full flow characteristics
- Perfect Crimping by Experience Team
- Cleanliness – Free from Contamination.



## QUALITY CONTROLS & TEST

**RAIPUR HYDRAULICS PVT. LTD. (RHPL)** Swaged Hose Assy. are manufactured with the latest and most modern equipment available in the world. Our stringent quality control of every stage of manufacturing ensure a finished product to be best international quality product.

RHPL swaged Hose Assy. are subjected to rigorous test after manufacture to ensure that it complies with international standards such as **SAE, ISO, DIN, BS, NCB and IS.**

### QUALITY TEST TO ENSURE TOTAL RELIABILITY

TEST AT OUR WORKS METAL PARK, RAIPUR (CG)

- |                            |   |   |
|----------------------------|---|---|
| 01. DIMENSIONAL CHECK TEST | - | To ensure concentricity of lining, accuracy of Hose dimensions.   |
| 02. PROOF PRESSURE TEST    | - | To affirm the capability of the Hose Assy. to withstand sustained working pressure.   |
| 03. BURST PRESSURE TEST    | - | To ensure that Hose Assy. shall be capable of achieving minimum Burst pressure of 4 times the design working pressure. This test is destructive Hence only one Hose Assy. in one lot is Tested. |
| 04. MINIMUM BEND RADIUS    | - | Hose Assy. Shall be capable of performing at the design working pressure when curved to a radius not smaller than the given standards.  |
| 05. CHANGE IN LENGTH       | - | To ensure that the Hose Assy. Length change at the design working pressure shall be not greater or smaller than the standard <b>BCS-174.</b>  |
| 06. LEAKAGE TEST           | - | To ensure good Hose Compatibility.  |
| 07. VISUAL EXAMIN          | - | To check any visible defects.   |
| 08. MINIMUM THROUGH BORE   | - | As per BCS-174.   |

### TESTS AT HOSE MANUFACTURER WORKS

- PRESSURE IMPULSE TEST
- COLD FLEXIBILITY TEST
- OZONE RESISTANCE TEST
- OIL RESISTANCE TEST
- ABRASION RESISTANCE TEST
- ELECTRICAL RESISTANCE TEST
- FLAME RESISTANCE TEST
- ADHESION TEST







## GLIMPSE OF RAIPUR HYDRAULICS



**RAIPUR  
HYDRAULICS**  
ISO 9001:2015

### RAIPUR HYDRAULICS PVT. LTD.

HOSE KIT, HOSE ASSEMBLY, HYDRAULICS FITTINGS  
& AUTOMOTIVE COMPONENTS

#### WORKS :

PLOT NO. 25-C, METAL PARK, PHASE- I RAWABHATA  
INDUSTRIAL AREA, RAIPUR, CHHATTISGARH, INDIA  
PINCODE - 493221.

#### REGISTERED OFFICE :

C-1/5 , PRIYADARSHINI NAGAR, BEHIND VIJETA  
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CHHATTISGARH, INDIA PINCODE- 492001

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