

Manufacturing Process of **AKG** make ERW Steel Conduits as per IS : 9537 Part II

HR coils which are used as raw materials are fed into the rolling mill.

Thereafter formation into pipes, welding, cooling, sizing and cutting is done into required lengths by an automatic process.

Embossing - **AKG** Steel Conduits are embossed with our trade mark AKG & ISI at every meter of each conduit length.

Threading - Each **AKG** Steel Conduit has both ends threaded, having a pitch of 1.5 mm & length of thread is kept as per BIS Specification

Coating process : (a) Black Painting process for Medium Protection Rigid Steel Conduit. (b) Hot Dip Galvanizing Process for High Protection Galvanized Rigid Steel Conduit.

Finally, the painted or galvanized pipes are labelled with stickers mentioning AKG Brand, the ISI mark & the size of the conduit.

The pipes are then covered with plastic tube and packed with hessian cloth.





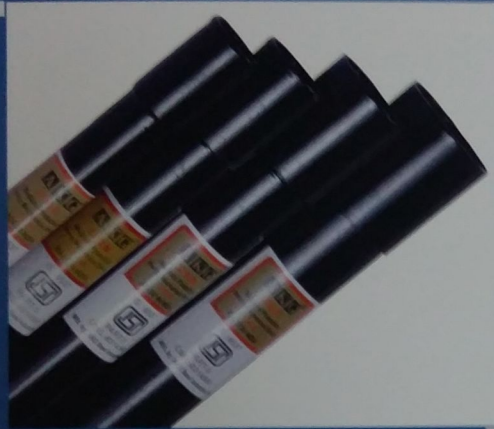
ISI MARKED RIGID STEEL CONDUIT PIPE

IS : 9537



PART-II
CM/L-8870602

BLACK PAINTED FOR MEDIUM PROTECTION



HOT DIP GALVANIZED FOR HIGH PROTECTION



TESTS TO CHECK RIGID STEEL CONDUITS CONFORMING TO IS : 9537 (PART-II) 1981



Inspection of Surfaces & Edges
Inspection of Marking
Durability of Marking



Dimensional Check-1



Dimensional Check-2



Wall Thickness-1



Wall Thickness-2



Isometric Screw Threads-1



Isometric Screw Threads-2



Bending Test-1



Bending Test-2



Compression Test



Test for Protective Coating

TECHNICAL DETAILS

Made from the best quality mild steel using the most modern high frequency Induction Tube Welding (Electric Resistant Welding) Technology on automatic tube mill. AKG Steel conduit pipes are available from 20mm to 50mm with two types of protective coating against external influences.

SPECIFICATIONS DIMENSIONAL REQUIREMENTS AS PER IS : 9537 (PART II) : 1981					
Nominal size in mm	20	25	32	40	50
Outside Diameter (mm)	20	25	32	40	50
Tolerance on Outside Diameter (mm)	-0.30	-0.40	-0.40	-0.40	-0.50
Minimum Outside Diameter (mm)	19.70	24.60	31.60	39.60	49.50
Wall Thickness					
(a) Minimum (mm)	1.40	1.40	1.40	1.60	1.60
(b) Maximum (mm)	1.80	1.80	1.80	2.20	2.20
Screw Thread					
(a) Pitch (mm)	1.50	1.50	1.50	1.50	1.50
(b) Length (mm)	15+1	19+1	19+1	19+1	22+1
(c) Profile	ISO M	ISO M	ISO M	ISO M	ISO M

SIZE OF CABLE Normal size in mm	SIZE OF CONDUIT				
	20 mm	25 mm	32 mm	40 mm	50 mm
NUMBER OF CABLES					
1.5	4	6	10	—	—
2.5	4	6	10	—	—
4	3	5	10	—	—
6	2	3	7	14	—
10			5	11	—
16			3	4	—
25				4	6
35				7	6
50				3	6

IS : 9537



Part-II-1981

AKG®

AKG Steel Industries

(Formerly J.K. Tube Co.)

Manufacturer of Rigid Steel Conduit pipe and Accessories (Black & G I)



An ISO 9001 : 2000 Company

PRICE LIST

(EFFECTIVE FROM 01.04.2012)

ERW STOVE ENAMELED RIGID STEEL CONDUIT PIPES (MED. PROTECTION)

(IS : 9537 PART-II-1981) CERTIFICATION MARKS LICENSE NO. CM/L-8314568 & CM/L-8870602

Size in outer Diameter In MM	Approx. Quantity Packing per Bundle	Wall Thickness 1.40 MM to 1.80 MM (16 SWG) Rate Rs./Meter	Wall Thickness 1.60 MM to 2.20 MM (14 SWG) Rate Rs./Meter
20	75 Meters	127.00	—
25	60 Meters	160.00	—
32	45 Meters	240.00	—
40	30 Meters	—	390.00
50	15 Meters	—	550.00

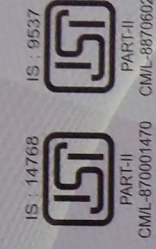
HOT DIP GALVANISED RIGID STEEL CONDUIT PIPES (HIGH PROTECTION)

(IS : 9537 PART-II-1981) CERTIFICATION MARKS LICENSE NO. CM/L-8314568

Size in outer Diameter In MM	Approx. Quantity Packing per Bundle	Wall Thickness 1.40 MM to 1.80 MM (16 SWG) Rate Rs./Meter	Wall Thickness 1.60 MM to 2.20 MM (14 SWG) Rate Rs./Meter
20	75 Meters	190.00	—
25	60 Meters	230.00	—
32	45 Meters	350.00	—
40	30 Meters	—	575.00
50	15 Meters	—	655.00

Terms & Conditions:

- Discount offered on the above price list is:
 - Excise Duty :
 - Sales Tax :
 - Freight :
- Payment : Against Delivery at out works NOIDA
- Validity : Prices are subject to change without notice and this list Cancels all our previous Price List.
- Inspection : At our works (Noida) which shall be final in all respect.
- Disputes : Disputes if any subject to NOIDA / DELHI Jurisdiction only.



AKG STEEL INDUSTRIES

(FORMERLY : J.K. TUBE COMPANY)



- ISI MARKED STEEL CONDUIT PIPES
- ISI MARKED STEEL CONDUIT FITTINGS
- CABLE TRAYS & RACEWAYS



COMPANY PROFILE

AKG STEEL INDUSTRIES [Formerly : J. K. Tube Company], having started its operation in the year 1996, is an acknowledged leading manufacturer of **AKG Rigid Steel Conduit Pipes, Metal Conduit Accessories and all types of Cable Trays, Raceways and in all type of finishes (Stove Enameled, Hot Dip Galvanised and Power Coated).**

Our two state-of-the-art manufacturing plants are located in Noida (UP), adjoining Delhi. Both the facilities are **ISO 9001 : 2008 certified and all the products are manufactured in accordance with relevant Indian (BIS) and other International Standards.** Years of experience, vast knowledge and through understanding, has made us deliver the highest quality of products to satisfy our customers, and also to achieve our goal of being an acknowledged market leader.

As a result of our commitment towards quality and services, we are on the approved and priority list of all leading Electrical Consultants and Contractors.

Today, AKG Rigid Steel Conduit and Accessories are being extensively used at all leading projects like Airports, Metro Rails, Power Plants, Automobile Industries, Hospitals, IITs and other Infra-structural Projects.

OUR OBJECTIVES

- It is our sincere efforts to provide reliable and quality products to our customers.
- In order to see that the efforts of our technical team are not wasted, we have provided them with state of the art production set-up with all modern process controls.
- We have set-up our own in house testing facility equipped with the latest equipments and managed by highly professional technical staff.
- Furthermore, we have also set-up a modern and fully equipped tool room for regular preventive maintenance of machines and post production requirements.

In our pursuit for excellence we are following a very strict quality plan and very stringent quality assurance systems.