

Major Product category : FIRE PROTECTION - UNSPSC Code 4619

Sub Category : Fire Fighting Equipment - UNSPSC Code 461916

FIREMAN'S AXE 3 kg (Fire suppression hand tools) UNSPSC Code - 46191605-02

S.No.	Parameters		Value 1	Value 2	Whether Filter Required	Unit
Generic						
1	FIREMAN'S AXE 3 kg Specification	Ch	Conforming to IS:926 latest		G	
2	Handle Type		with insulated steel handle		M	
Constructional						
1	Axe Head Steel chemical composition	Ch	Carbon 0.75 to 0.85% Manganese 0.50 to 0.80 % Phosphorus Max 0.050 % Sulphur Max 0.050 % Silicon, Max 0.250 %		M	
2	Steel Axe Handle specification	Ch	conforming to IS 1977 latest		M	
3	Insulation for Handle	Ch	The insulation on handle shall be of vulcanized rubber capable of withstanding an insulation test given in 6 of IS specification.		M	
4	Shape and dimensions of fireman's axe	Ch	as given in figure 1 of IS:926 latest		F	
5	The axe head shall be soundly forged to shape as shown in Figure 1 and the steel handle shall be welded to the head	Ch	yes		F	
6	Hardening and Tempering	Ch	pick and the blade shall be well and evenly hardened and tempered to a DPN of 500 to 575 which shall be measured within a distance of 3 mm from the cutting edge according to the method laid down in IS : 1501		F	
7	Handle Grip Type	Ch	non-slippery type with knurled surface		F	
8	Workmanship and Finish	Ch	Forging shall be free from seams, cracks and surface defects. The edges shall be well-shaped and finished smooth.		M	
Performance						
1	Cutting Performance as per clause 6 .1 of IS 926	Ch	A mild steel bar of 5 mm dia shall be laid on a solid foundation. This bar then be served by a single heavy blow of the axe following which the cutting edge shall not show any sign of damage.		M	
2	Handle Strength Performance as per clause 6 .2 of IS 926	Ch	The axe shall be fitted into the test jig illustrated in Fig. 2 of specification with the cutting edge resting on the base plate between the two guides and the point held in the slot in the cap at the top. The handle shall be laid horizontally. A weight of 100 kg shall then be loaded on to the outer end of the handle following which the edge shall have received no damage.		M	
3	Protection against electric shock Performance as per clause 6 .3 of IS 926		The insulated handle shall be capable of withstanding 20 000 volts for 60 seconds.		M	

4	Marking	Ch	Each axe shall be clearly and permanently marked with the following information: a) Manufacturer's name or trade-mark, if any, b) Tested to 20 000 volts, c) Year of manufacture.		M	
Certification						
1	BIS Marking	Ch	YES	NO	G	
2	CM/L Number with Validity Period	Ch			M TBD	
3	Availability of Test Report from Central Govt./NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes		M	
4	Test Report No.	Ch			M TBD	
5	Test Report Date	Ch			M TBD	
6	Name of the Lab	Ch			M TBD	
7	Address of the Lab	Ch			M TBD	
8	Test Report to be provided to the buyer on demand	Ch	yes		M	