

Sl. No.	Nomenclature	Drawing No.	Qty. per Assy.	Material Specification
4.	Bottom leather disc for belt assembly	RPD/AK/CA/01 03 03 02, Rev-01	2	LEATHER
5.	Top leather disc for belt assembly	RPD/AK/CA/01 03 03 03, Rev-01	6	LEATHER
6.	Belt reinforcement	RPD/AK/CA/01 03 03 04, Rev-01	2	COTTON

11.2 Manufacturing process
Two belts with 30 mm width and 2.5 mm thick shall be stitched together as per the drawing mentioned in para 10.2 to form a single belt of 5mm thick. 6 nos. such belts shall be stitched to the two nos. bottom leather disc to form cushion for the grain. One leather ring shall be stitched to the each belt at top side which will be used for the lifting the grain.

11.3 Load test
The belt assembly should be load tested by simulating grain weight with a factor of safety 2. The simulated mass shall be lifted vertically with the belt assembly. No tearing/shearing of the belt assembly is allowed.

12 O-RING
O-ring shall be manufactured from Medium Nitrile rubber with shore-A hardness 70± conforming to the drawing no. mentioned in para 7.0.

12.1 Composition
Manufacture shall formulate the ingredients as per the BS 2751 BA 70:2001 to get specified hardness and properties mentioned in para no.6.4.

12.2 Moulding
The Manufacturing Agency should design and procure required jigs, fixtures, tools, and inspection gauges etc.

12.3 Inspection
The finished rubber components are inspected for the surface pits, improper flash removal and flow defects. These are examined visually. No defects are allowed.

13 Cap
The Cap shall be manufactured from Bromo-Butyl rubber with shore-A hardness 40-50. This item shall be procured by the grain manufacturing agency for each grain.

13.1 Applicable drawing

Sl. No.	Nomenclature	Drawing No.	Qty. per Assy.	Material Specification
1.	CAP	RPD/AK/CA/00 00 00 01	1	BROMO-BUTYL

13.2 Composition

Manufacture shall formulate the ingredients as per the BS3227:1990 to get specified hardness and properties mentioned in para no.6.5.

13.3 Moulding

The Manufacturing Agency should design and procure required jigs, fixtures, tools, and inspection gauges etc.

13.4 Inspection

The finished rubber components are inspected for the surface pits, improper flash removal, and flow defects. These are examined visually. No defects are allowed.

13.5 Manufacturing Agency

Recommended Source for fabricating CAP:
M/s Sujan Industries Pvt Ltd.
Bldg. No. Plot 1 & 2, Behind Blue Chip Industrial Estate,
Village Waliv, Sativli Udyog Nagar,
Vasai (East), Thane (Dist) - 401 208.
Fax No. 0250-2456746

14 HYLAM DISC

The Hylam disc shall be made by machining of 2 mm thick Hylam sheet conforming to the drawing no RPD/AK/CA/00 00 00 02. The Hylam disc is needed during packaging of the grain. It is to be bonded to the cap covering grain ignition surface with quick adhesive. This item shall be procured by the grain manufacturing agency for each grain.

15 BOUGHT OUT ITEMS / STANDARD ITEMS

Bought out Items / Standard Items will be Inspected against Manufacturers Test Certificate. Following are the Standard Item used in container assembly.

Sl. No.	Nomenclature	Specification	Assembly Drg.No.	Qty. per Assy	Material Specification	Source of Supply
1.	Hexagon Nut (M12×1.75)	IS:1364 (part 3):2002-M12-10	RPD/AK/CA/01 01 01 00, Rev-01	12 nos.	Alloy steel	Trade
2.	Hexagon thin nut	IS:1364 (part 4):2002-M12-05	RPD/AK/CA/01 01 01 00, Rev-01	12 nos.	Alloy steel	Trade
3.	Punched washer A14	IS:2016 -1967	RPD/AK/CA/01 01 01 00, Rev-01	12nos	Alloy steel	Trade
4.	Split pin	IS 549:2005-2×20-steel	RPD/AK/CA/01 01 01 00,	12 nos.	Alloy steel	Trade