Sample Splitters

LT-A0026 - LT-A0038 | Mechanical division through fixed chutes

11 models • Alternating chute system • No electrical supply required



7-75 mm

CHUTE WIDTH RANGE

8-16

NUMBER OF CHUTES BY MODEL

EN 932-2 • ASTM C702/C702M • Representative test portions

LT-A0026 - LT-A0038

Photographs and Splitter Components

Chute arrangement, body, collection pans and model sizes

Sample splitters reduce bulk aggregate into smaller test portions. Adjacent chutes direct particles alternately towards two collection sides. Select the model to suit the particle size of the material.

CHUTE ARRANGEMENT

Fixed-width chutes divide the sample alternately towards two sides.

BODY AND HANDLING

The mechanical body and pan handles assist material transfer and routine use.



COLLECTION PANS

Receive the divided portions separately. Check pan positioning before feeding.

MODEL SIZES

Chute widths from 7 to 75 mm provide options for fine and coarse samples.



Upper feeding area and alternating chutes



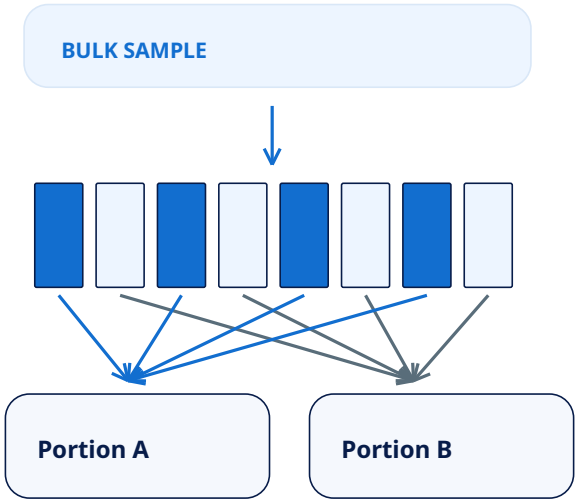
Sample collection pan and handling grip

LT-A0026 - LT-A0038

Two-way Representative Sample Division

Select model • Feed evenly • Collect portions • Repeat if needed

ALTERNATING CHUTES + TWO COLLECTION SIDES



GRAVITY-OPERATED MECHANICAL DIVISION

ADJACENT CHUTES • ALTERNATING FLOW

AIM: REPRESENTATIVE TEST PORTION

Even feeding + suitable chute width

REPRESENTATIVE FLOW DIAGRAM • NOT TO SCALE

Select the Model

Match chute width to the largest particles. Check that material can pass freely.

Feed Evenly

Introduce material evenly across the upper area. Avoid local accumulation.

Repeat if Required

Collect both portions separately. Split the selected portion again to obtain the test quantity.

Alternating chute directions produce two portions from the bulk sample. Controlled division helps preserve particle-size distribution. Representativeness depends on suitable model selection, even feeding and collection without material loss.

Match Chutes to Particle Size

Chute width must allow the largest particles to pass without blockage. Do not select a model by sample mass alone.

Check the flow of moist or cohesive material. Material retained in the feeding area and chutes can affect division; prepare the sample according to the applicable reduction method.

Cleaning and Sample Records

Before division, check that chutes are clear and collection pans are clean and correctly positioned. Prevent overflow and material loss during feeding.

Record the sample identification and selected model. Clean chutes and pans between samples to prevent residual particles from entering the next test portion.

Model Options and Sample Workflow

11 models • Chute width, chute count, dimensions and approximate weight

Product Code	Width (mm)	Chutes	Dimensions (mm)	Weight (kg)
LT-A0026	7	16	130 × 180 × 180	2
LT-A0028	13	12	200 × 250 × 350	6
LT-A0029	15	12	200 × 290 × 350	6.5
LT-A0030	19	12	220 × 310 × 400	11
LT-A0032	25	10	250 × 350 × 420	9
LT-A0033	30	10	230 × 420 × 450	15
LT-A0034	38	10	320 × 430 × 570	16
LT-A0035	45	8	320 × 450 × 590	20
LT-A0036	50	8	320 × 500 × 600	20
LT-A0037	64	8	360 × 600 × 600	32
LT-A0038	75	8	370 × 700 × 600	35

Mechanical Sample Reduction and Standards

No electrical connection is required. Check model selection and sample condition for the applicable procedures in EN 932-2, ASTM C702/C702M, BS 812-1, BS 1377-1 and BS 1924-1.

From Bulk Sample to Test Portion

01
Select Model
Choose chute width to suit the particle size.

02
Position Pans
Place pans on both collection sides.

03
Feed Evenly
Distribute material across the full chute area.

04
Take Portion
Retain the test portion; split again if needed.

Product Page | liyatest.com.tr/en/urun/sample-splitters/