

TSUBAKI NAB APROVATOR NAB400J APROVATOR

The "sprocket-turn system"
is applied to the upper and
lower corners of
NAB APROVATOR

**NAB400J
APROVATOR**

Lightweight, cost- and energy saving buckets.
Strong corrosive- and adhesive resistance

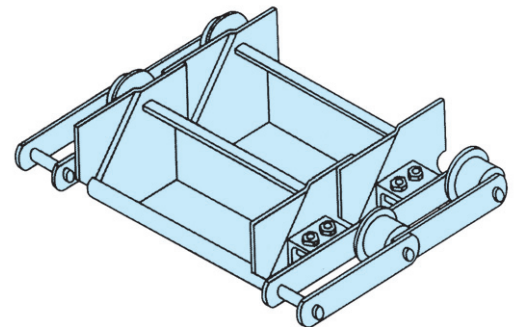


TSUBAKI NAB APROVATOR suitable for

TSUBAKI NAB APROVATOR is a bucket type conveyor, suitable for handling abrasive and lumpy materials on complex (horizontal + vertical + horizontal) layouts.

Features

1. Since the materials are conveyed intact in buckets, this conveyor is suitable for handling abrasive and lumpy materials
2. Loss of powdery materials between buckets is minimised by virtue of a unique overlap structure
3. Possible to have flexible layouts - Horizontal + Vertical (inclined) or Horizontal + Vertical (inclined) + Horizontal
4. In order to avoid wear and reduce operation noise, the sprocket-turn system is used on the upper and lower corners of the conveyor.
5. As a completely sealed structure is used for the casing, dust from (out of) materials is confined within the casing.



- Features of resin buckets
- ① Lightweight and easy to handle. Its weight is less than 1/4 of our standard steel bucket.
 - ② No corrosion occurs
 - ③ As the corners of the resin buckets are rounded, there is less adhesion
 - ④ Buckets are in stock
 - ⑤ Compatible with existing "NAB400 Aprovator" in current use

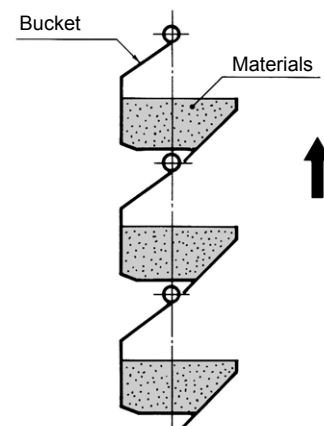
- Materials :
- Polyacetal resin
- ① Well balanced mechanical features, such as tensile strength and impact strength.
 - ② Due to strong fatigue resistance, NAB400J provides stable performance.
 - ③ Due to strong abrasive resistance, NAB400J is suitable for performance involving friction.

Note) NAB400J should not be used for handling high temperature materials.

Capacity

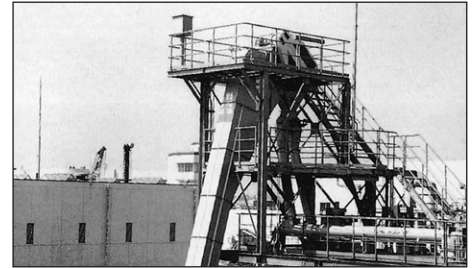
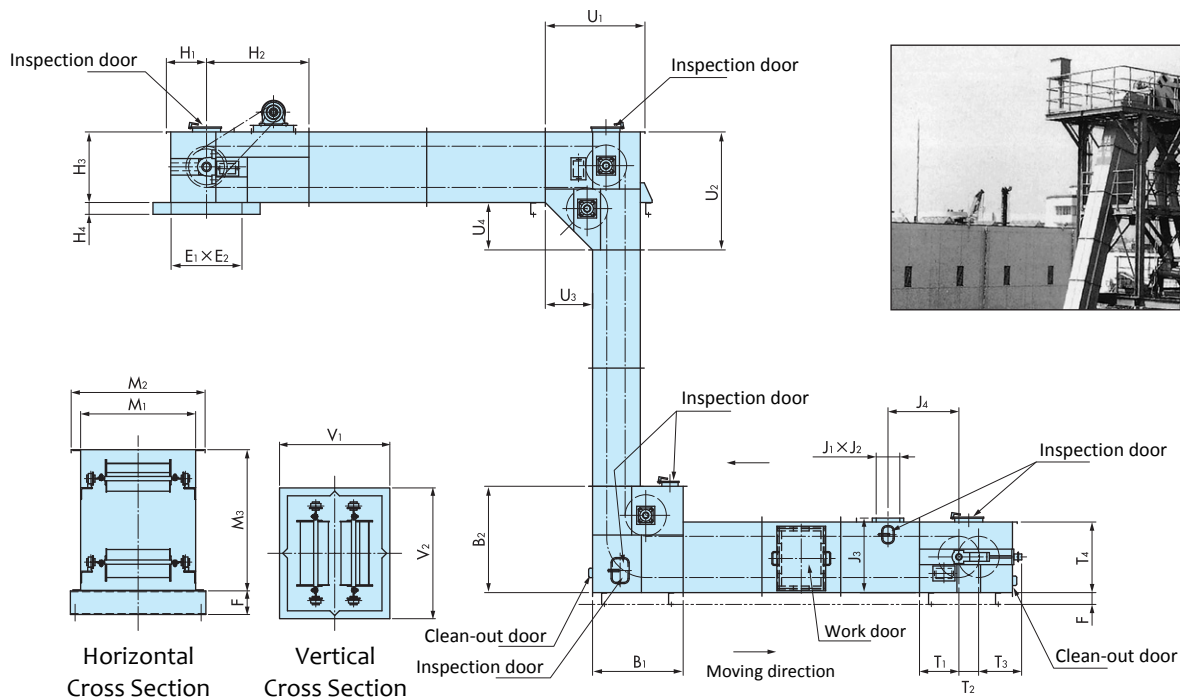
Model No.	Conveying capacity (m ³ /h)		
	S = 3m/min	S = 5m/min	S = 10m/min
NAB250	1.8	3.0	6.0
NAB250H	2.9	4.8	9.7
NAB400	4.2	7.0	14.0
NAB400H	6.5	10.8	21.7
NAB600	7.8	13.0	26.0
NAB600H	10.8	18.0	36.0

- Note 1) The above table shows calculated conveying capacity at water level of the bucket at an angle of 90 degrees. (Refer to the right hand fig.)
Actual available capacity shall be determined depending on actual inclination of conveyor, character of the materials to be conveyed or other factors.
Standard incline angles for the Aprovator are 45, 60, 75 and 90 degrees.
- 2) Maximum allowable speed is about 15m/min. However, it depends on the character of the materials and the design conditions.



abrasive and lumpy materials

Dimensions



Model No.	Head Unit				Outlet		Horizontal Unit			Vertical Unit		Foundation	Bucket width
	H1	H2	H3	H4	E1	E2	M1	M2	M3	V1	V2		
NAB250(H)	410	1100	676	125	700	520 (670)	520 (670)	640 (790)	676	550	620 (770)	125	256 (400)
NAB400(H)	510	1,300	896	150	900	730 (930)	730 (930)	850 (1,050)	896	700	830 (1,030)	150	400 (600)
NAB600(H)	610	1,500	1,116	200	1,100	960 (1,160)	960 (1,160)	1,080 (1,280)	1,116	850	1,060 (1,260)	200	600 (800)

Model No.	Upper Corner Unit				Lower Corner Unit		Feed opening				Tail Unit			
	U1	U2	U3	U4	B1	B2	J1	J2	J3	J4	T1	T2	T3	T4
NAB250(H)	1,015	1,178	500	502	900	1,050	200	300 (350)	726	700	400	200	461	676
NAB400(H)	1,265	1,498	600	602	1,150	1,350	300	320 (520)	946	900	500	250	548	896
NAB600(H)	1,565	1,868	750	752	1,400	1,650	400	480 (680)	1,166	1,100	600	300	638	1,116

() Size for larger width

Note

1. Constant feeding is required
2. When handling air-borne/dusty materials, an inlet feeder to control of dust should be applied
3. NAB Aprozator is not suitable for handling adhesive materials

WITH YOUR INQUIRY

Please tell us ...

- Material to be conveyed :
 - Name
 - Lump size : () mm ~ () mm
 - Bulk density (t/m³)
 - Temperature / Moisture content
 - Characteristics
(abrasive, adhesive, corrosive)
- Conveyor length
(vertical, horizontal, inclining)
- Maximum conveying capacity (tons/hour)
- Installation locations (indoor or outdoor)
- Power source (voltage, frequency)
- Preceding equipment
- Served required (operating hours per day,
continuous or intermittent)

WARNING!

- Please follow instructions when carrying out adjustments, maintenance, inspection and cleaning.
- Ensure that the power supply of the machine is shut off and remains off, while adjustments, maintenance, inspection and cleaning are carried out
- Do not open the cover and touch the rotary area of the machine under operation.
Failure to follow instructions may result in personal injury.
- Do not put any part of the body into the machine during operation.
Failure to follow instructions may result in personal injury.

CAUTION!

- While adjusting, conducting maintenance and inspection, wear appropriate clothing and protective equipment (helmet, gloves, safety shoes, safety glasses, etc.)
- Do not touch motors or reducers as they may reach high temperatures during operation.
Failure to follow instructions may result in personal injury.
- The original function of the system may fail if remodeling or additional installation work is carried out. Please contact us if remodeling or additional installation work is needed.



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■ Note :

In accordance with the policy of TSUBAKIMOTO BULK SYSTEMS CORP. to constantly improve its products, the specifications in this catalogue are subject to change without notice. Please make sure to enquire us when you plan pertinent installations.
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