

# Binotto

THE TIPPING POWER

- Underbody tipping hoists
- Front-mount tipping hoists
- Well-mount tipping hoists

**B3**  
TECHNOLOGY

 **SUNRISE**  
TRAILER PARTS

Front-mount hoists

# THE TIPPING POWER

Wellmount hoists

Underbo

# Binotto

THE TIPPING POWER



## The Binotto Group

Based in Italy, Binotto is a global leader in the design, manufacture and distribution of tipping hoists. It is undoubtedly the only company in Europe to design and produce such a vast quantity and variety of hoist models, with the widest range of capacity and product variations.

- Established for over 60 years
- Operating in more than 150 countries worldwide through its own subsidiaries, authorised dealers and service outlets.
- 5 state-of-the-art manufacturing plants with high-technology, robotised production-lines.
- 50,000 square metres of production area
- Capacity to produce more than 150,000 hoists per year.

**POWER**  
body hoists



 **SUNRISE**  
TRAILER PARTS



# Binotto

THE TIPPING POWER

## Binotto Cylinders

Binotto designs, manufactures and distributes a complete range of hoists for all tipping applications.

- Underbody, front-mount and well-mount configurations.
- 2 to 100 tons capacity
- 3-way tipper options
- Rear-tipping and side-tipping applications

Front-mount hoist  
**THE TIPPING**  
Wellmount hoists      Underbody hoists





## Binotto Construction

The key features and superior seal and wiper system of Binotto hoists, ensure they operate and are proven in the most extreme environments, from Siberian steppes to Saudi deserts.

- Only high-quality steel producers are accepted as Binotto strategic suppliers (such as Dalmine and Mannesmann)
- All stages and outer tubes are manufactured exclusively from seamless steel-tube with a high yield-point ( $RS \geq 48 \text{ kg/mm}^2$ ) and high tensile strength ( $R \geq 65 \text{ kg/mm}^2$ )
- Binotto stages are roll-hardened for exceptional smoothness. This feature, along with the use of special bushes, ensures a clearance of no more than 0.07mm between stages is achieved – a vital aspect in resisting side-loads and bending factors.
- The internal and external “rolling” burnishing process for all stages and outer tubes, increases seal performance and life, resulting in more reliable and long-lasting products.
- A solid-stage design and absence of stop-limiting rings is an unsurpassed solution. Binotto’s design, with stop-contact faces machined directly from solid tube, without welds, provides maximum safety and service life. (B3 models)

**B3**  
TECHNOLOGY

POWER  
derbody hoists

## Binotto Quality

Binotto operates under the highest International Quality Standard (ISO 9001). This gives the group the ability to combine state-of-the-art plant automation with the expertise of its staff.

- Controlled and documented processes and procedures
- Continual process optimisation
- Skilled and dynamic staff
- Spirit of initiative and continuous research
- Company culture targeted at quality
- Dedicated and proficient customer service



## Tipping Hoist Models

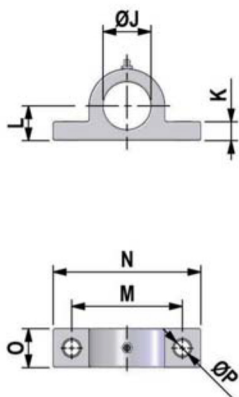
### SPECIFICATION NOTES

- All specifications subject to change without notice. Binotto accepts no responsibility for any losses incurred from any such changes, including those that occur as a result of fabrication using dimensions shown.
- A tipper body will not meet Australian Standard AS1418.8, or Occupational Health & Safety regulations without a Cylinder Blocking System, or similar safety device, fitted.
- Tipping hoists are designed as a lifting device only, for longitudinal-axis loads. They must not be used as a structural member or be subject to side load.
- Allowable hydraulic-oil temperature range is -40°C to +80°C.
- Maximum duration of extension is 2 hours.
- A Series and B Series products are zinc plated. All other models are painted grey (RAL 7021). Both finishes conform to corresponding ISO 9227 neutral salt spray tests.
- Hoist capacity relates to the body weight plus the payload. This value, calculated at the rated working pressure, is an approximate indication of tipping capacity, to be used as the first criteria for hoist selection. Actual tipping capacity can only be determined by the tipper designer/manufacturer, and must consider all geometry of the tipper body and operating conditions.
- Rated working pressure 140 bar. Maximum working pressure 200 bar.
- Never exceed maximum pressure.
- Never exceed maximum hoist load.
- Weights shown include brackets.

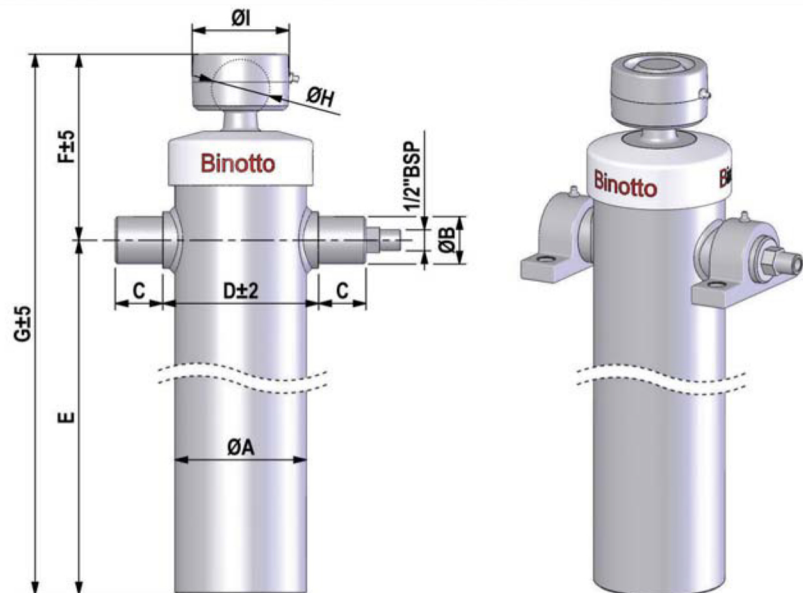
### UNDERBODY TIPPING HOIST

#### HIGH-TRUNNION TYPE

## B SERIES



øJ	K	L	M	N	O	P
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
45.5	18	33	105	140	37	15



CODE	STAGES	STROKE [mm]	PIVOTS [48° mm]	CAPACITY [ton]	VOLUME [L]	WEIGHT [kg]	øA [mm]	øB [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	øH [mm]	øI [mm]
B095.3.0540	3	540	670	4	1.8	14	95	40	40	125	173	154	327	45	88
B095.4.0830	4	830	1030	2.5	2.3	15	95	40	40	125	199	155	354	45	88
B110.4.0825	4	825	1020	4.5	3.6	20	110	40	40	148	207	157	364	45	88
B125.4.1435	4	1435	1770	7	8.9	40	125	40	40	148	388	171	559	55	90
B125.4.1635	4	1635	2010	7	10	44	125	40	40	148	438	171	609	55	90
B125.4.1940	4	1940	2390	7	12	50	125	40	40	148	514	171	685	55	90
B125.5.1030	5	1030	1270	5	5.5	24	125	40	40	148	207	160	367	45	88
B125.5.1245	5	1245	1540	5	6.7	28	125	40	40	148	250	160	410	45	88
B125.5.1480	5	1480	1820	5	7.9	31	125	40	40	148	297	160	457	45	88
B125.5.2045	5	2045	2520	5	11	42	125	40	40	148	439	160	599	45	88
B125.5.2425	5	2425	2990	5	13	50	125	40	40	148	515	160	675	45	88
B125.6.1000	6	1000	1230	4	4.7	20	125	40	40	148	182	148	330	45	88
B145.5.1170	5	1170	1440	8	8.7	40	145	45	45	165	278	161	439	55	90
B145.5.2040	5	2040	2510	8	15	59	145	45	45	165	452	161	613	55	90
B145.5.2420	5	2420	2980	8	18	66	145	45	45	165	528	161	689	55	90
B145.6.1410	6	1410	1740	7	9.2	38	145	45	45	165	265	163	428	45	88
B145.6.1705	6	1705	2100	7	11	43	145	45	45	165	314	163	477	45	88
B145.6.2910	6	2910	3580	7	19	66	145	45	45	165	515	163	678	45	88