

# Sandvik RBC Conveyors

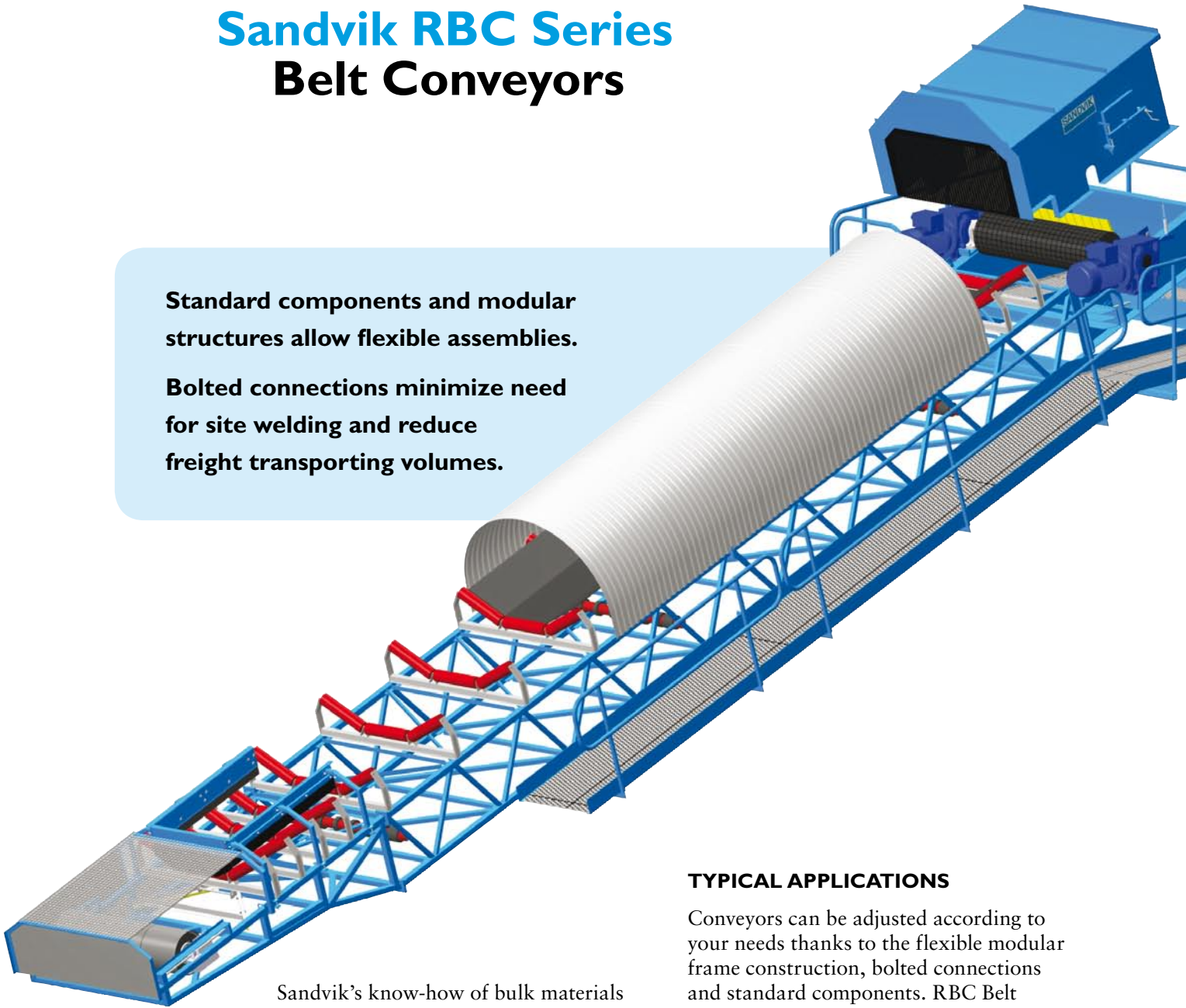
## Normal and Heavy Duty Standard Belt Conveyors



# Sandvik RBC Series Belt Conveyors

**Standard components and modular structures allow flexible assemblies.**

**Bolted connections minimize need for site welding and reduce freight transporting volumes.**



Sandvik's know-how of bulk materials handling is based on solid experience of various materials and all parts of a complete conveying system. Expertise has gained depth from thousands of references all over the world. Continuous product development has resulted in an exceptionally extensive selection of conveyor components, and you will get all parts and services rapidly and effortlessly from the same supplier.

Sandvik provides RBC-range of belt conveyors that meet users' requirements of reliability and easy installation. Using standard components well available on aftermarket near customer ensures high availability and ease of maintenance, contributing to higher productivity for customers.

## TYPICAL APPLICATIONS

Conveyors can be adjusted according to your needs thanks to the flexible modular frame construction, bolted connections and standard components. RBC Belt Conveyors can be dismantled and re-installed in a new location, also in different lengths.

Thanks to adjustable leg position brackets, RBC Belt Conveyors can be supported from their own legs or from other structures available at site.

Certified Quality Management  
System ISO9001:2000

Environmental Management  
System ISO 14001

Health and Safety Management  
according to OHSAS18001





*Heavy Duty design for hard-rock applications.*



### **FAST DELIVERY – QUICK INSTALLATION**

Complete set of RBC standard belt conveyors for a typical crushing station can be delivered within 8 -14 weeks. Installation at site is also fast. Again, thanks to modular light-weight structures with standard components and bolted connections, the number of staff and cranes is limited to minimum.

Parts delivered are identified by dispatch specialists and the delivery is controlled from our premises to the final site assembly. It is essential to find the parts at site in good time and the systematic part identification guarantees a reliable and fluent installation at site. Sandvik documentation, operators' installation instructions in dominant language ensure fast site activities.

Delivery of endless belt available for short conveyors – no need for time consuming belt splicing at site.

### **FULLY ASSEMBLED TAIL AND HEAD ENDS**

Head end is fully assembled with geared drive, diamond lagged drive pulley, carving cleaner, inspection hatch, dust enclosure and lubrication piping.

Tail end is assembled with tail pulley and appropriate cleaners.



*Assemblies completed at work shop ensure trouble free start-up and good belt tracking.*

# Features

- sizes available in belt width 500–1200 mm
- conveyor components dimensioned for 25 000 hours
- rigid structure for fully assembled option delivery
- frame together with supporting legs included
- grease lubricated bearings
- rubber lagging drive pulley together with replaceable bearing and shaft assembly
- crowned pulleys - better belt alignment
- head and tail ends are fully assembled in work shop



*Belt cleaning device with replaceable multiple scraper blades, easy to maintain from one side only.*



*Easy maintenance and servicing. All required maintenance points at head end collected on the same side; inspection hatch, lubrication piping, belt cleaner adjusting and scraper blade change.*

- all components are from reputable suppliers, mainly from Sandvik Group companies
- loading points designed to suit application (Heavy Duty/Normal Duty)
- skirt board with endless rubber side strips
- belt scraper adjustable together with replaceable multiple scraper blades
- self adjusting return belt cleaner with replaceable scraper blades
- impact bars under feed point in HD-conveyors
- impact rubber/standard idlers in Normal Duty conveyors
- screw belt tightening device for belt conveyors up to 50 m
- safety nets at loading points and at tail end
- emergency stop wire system along belt conveyor's accessible area
- belt rotation detection bracket



# Available as options

- fully assembled, including endless belt
- Hot Dip Galvanized treatment
- skirt board extension and dust encapsulation
- discharge chute
- dust encapsulation at head end
- belt covers
- walkway
- stockpiling conveyor supports
- mobile unit belt conveyors, slewing operation/machinery
- dust collection unit and brackets
- belt scale/belt magnet/metal detector



*Environmental protection has been considered, conveyor covers and dust enclosures available to cover the whole conveyor.*

*Heavy duty loading point ready assembled.  
Easy replacement of wear parts.*



*Sandvik is a leading supplier of components for belt conveyors used in the handling of bulk materials. Wide selection of Sandvik conveyor components is available for fast delivery from stock..*





# Movable Conveyors



*Mobile units on rubber tyres are also available.  
Self-driven or movable types.*



SPECIFICATION OF CONVEYORS:		Belt width				
		RBC 500	RBC 650	RBC 800	RBC 1000	RBC 1200
<b>Nominal capacity</b>	(tph)	100	250	400	550	800
<b>Belt speed</b>	(m/s)	1,25 - 1,8				
<b>Nominal power</b>	(kW)	2,2 - 7,5	2,2 - 15	5,5 - 30	5,5 - 75	7,5 - 90
<b>Support spacing</b>	with walkway (m) without walkway (m)	10 - 14 14 - 23				
<b>Overhang</b>	with chute and walkway (m) without chute and walkway (m)	2 3 - 6				
<b>Frame width</b>	(mm)	800	950	1150	1350	1600
<b>Pulley diameter</b>	drive (mm) tail (mm)	270 - 320 270	320 - 400 320 - 400		400 - 500 320 - 400	
<b>Idlers</b>	carrying (mm) return (mm) shafts (mm)	89			108	
<b>Through angle</b>	(°)	25	30			
<b>Belt tightening</b>		screw take-up ( $\leq 50$ m) gravity take-up ( $> 50$ m)				
<b>Belt</b>	EP315/3 3-1,5 EP400/3 4-2 EP400/3 5-1.5 EP630/3 6-2	•	•	•	•	•

We reserve the right to changes without prior notice.  
We also supply belt conveyors for mobile plants.



Depending on the conveyor length, it can be delivered either in separate modules or fully assembled and loaded on truck or container.

Sandvik is a global industrial group with advanced products and world-leading positions in selected areas – tools for metal cutting, stainless materials, metallic and ceramic resistance materials, process and sorting systems, as well as machinery and tools, service and technical solutions for the excavation of rock and minerals in the mining and construction industries.

