



**SCAMONT**  
ENGINEERING



50-25  
53-29  
58-29

**SRB**

SLIDER ROLLER BEARING

#### HIGH LIFT | HIGH VOLUME | MULTISTAGE CENTRIFUGAL PUMP

The Scamont SRB pump range utilises non-friction heavy duty Sliding Cylindrical Roller Bearings to support the rotating element

#### UNIQUE DESIGN FEATURES

- Sliding Cylindrical Roller Bearings
- Balance Disc Arrangement with balance flow arrangement
- Balance flow measurement
- Patented Balance disc arrangement for ease of maintenance
- Can convert from white metal bearing arrangement to Sliding Roller Bearing Arrangement

#### ADVANTAGES

- Starting friction is very low
- Low wear during start up
- Completely eliminates radial clearance
- High stiffness due to low radial displacement
- Maintenance costs are low due to the long bearing life
- Reducing radial clearance between pump impellers and wear rings increases efficiency
- Reduced vibration resulting in longer life of pumps with increased reliability
- Pump maintenance intervals can be extended and condition monitoring of the rolling element bearings can be used to predict the condition of the pump

#### OPTIONS

- Range of Materials and Coatings to suit various applications
- Full Condition Monitoring Instrumentation including vibration, bearing temperatures, flow and suction and discharge pressures
- Wear limit switch or proximity switch for measurement of wear on wear ring faces
- Gland service
- Left or right suction flange orientation

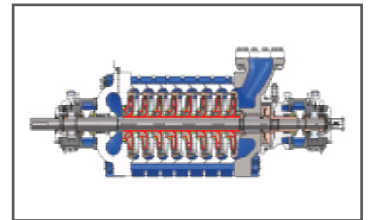
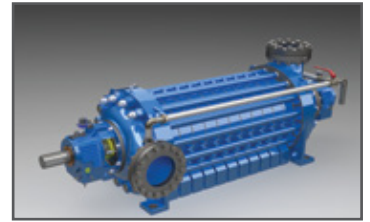
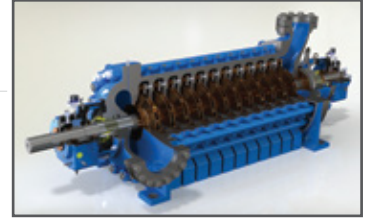
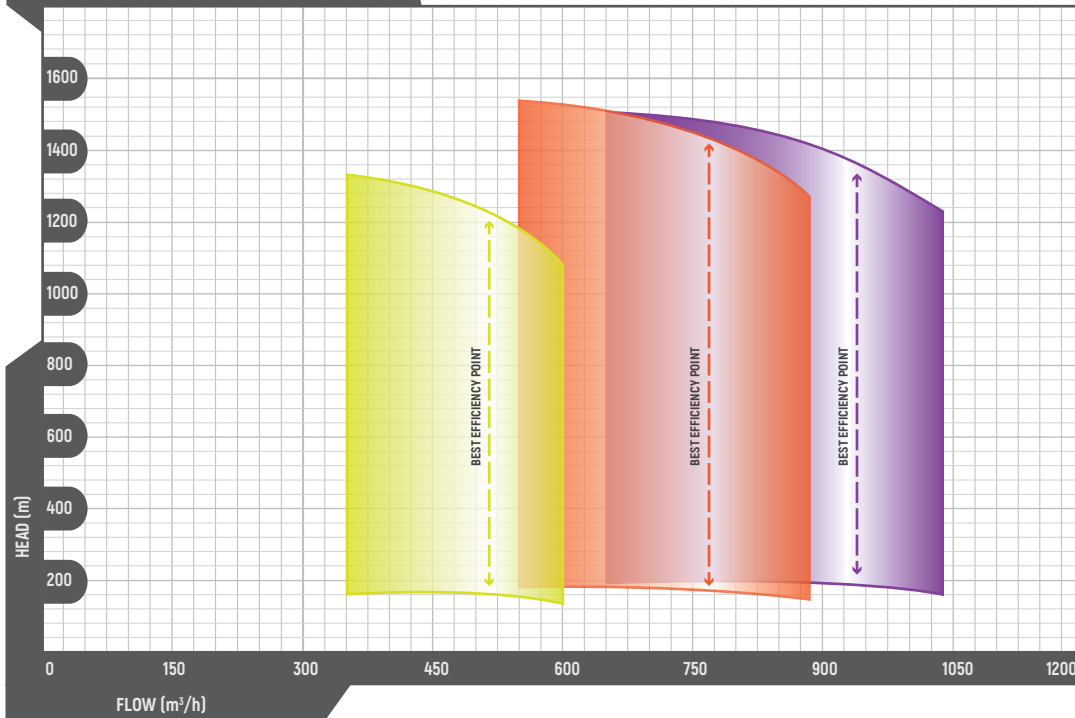
*DYNAMIC | POWER | MOTION*

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# SRB

SLIDING ROLLER BEARING

## SRB FAMILY OF PERFORMANCE CURVES



## SRB SLIDER ROLLER BEARING PUMP SPECIFICATIONS

PUMP MODEL	BRANCH SIZE				MAXIMUM PRESSURE		IMPELLER DIAMETER	
	SUCTION		DELIVERY		WORKING	TEST	MAX	MIN
SRB 50 - 25	DN250	EN1092-1 PN64	DN200	EN1092-1 PN160	16 000 kPa	20 800 kPa	505 mm	460 mm
SRB 53 - 29	DN300	EN1092-1 PN64	DN250	EN1092-1 PN160	16 000 kPa	20 800 kPa	530 mm	490 mm
SRB 58 - 29	DN300	EN1092-1 PN64	DN250	EN1092-1 PN160	16 000 kPa	20 800 kPa	580 mm	520 mm

PUMP MODEL	PUMP SPEED	MAX NO. OF STAGES	HEAD MAX (AT BEP)	FLOW RATE MAX (AT BEP)	BEST EFFICIENCY POINT
SRB 50 - 25	1490 rpm CLOCKWISE	14 STAGES	1400 (1199,1) m	750 (521) m³/h	80%
SRB 53 - 29	1490 rpm CLOCKWISE	14 STAGES	1551.9 (1410,1) m	1000 (765) m³/h	82,5%
SRB 58 - 29	1490 rpm CLOCKWISE	12 STAGES	1560 (1356,9) m	1133 (895) m³/h	81%