



SPLIT ROLLER BEARING
INNOVATIONS
from Revolvo



Innovation in PERFORMANCE



SRB: Taking the Initiative

Standard Support
with Complete
Housing & Bearing



Flange Support



Take Up Tension
Unit Complete
with Housing



Take Up Pull Unit



Hanger Unit



Revolvo Split Roller Bearings (SRBs) have been designed and developed to maximise service life and minimise maintenance effort.

From concept to design, design to production and throughout the lifecycle of the product, no other split bearing manufacturer works so hard to exceed your expectations.

The complete range of Split Roller Bearings incorporate a number of innovative features that assist the user in terms of product performance and also the maintenance engineer with fitting and assembly benefits.

- **Machined Brass Cage** accommodates higher speed and temperatures as well as acceleration forces, whilst at the same time, reducing noise
- **Robust Support Design** includes double webs and thick sections of high grade cast iron to enhance product life through rigidity and strength
- **Profiled Rolling Elements** minimise damaging edge stress and accommodate minor dynamic misalignment
- **Light, Medium and Heavy Series** ensure an exact match of bearing performance to your specification
- **Comprehensive Range of Supports** to suit an extensive number of applications

Quick Inspection

Support caps & housing halves easily removed for quick visual inspection of bearing components during maintenance



250 Grade Cast Iron

Conforms to BS EN1561:1997 for additional strength and durability



Innovation in APPLICATION



Why Choose Revolve Split Bearings?

Innovative Cage Clip

Clips retained on one cage half during assembly and disassembly

Machined Brass Cage

As standard - Enhanced ability to accommodate higher speeds and temperature



Profiled Rolling Elements

Minimises damaging edge stress for increasing bearing life and reliability

The benefits of a totally split to the shaft bearing are long established with savings in production and maintenance well documented. However, split roller bearings are now being selected for a wide range of applications based on other benefits they provide including;

- **High Radial Load and Speed Capability**
- **Initially Self Aligning**
- **Wide Range of Standard Supports**
- **Flexible Sealing Arrangements**
- **Interchangeability**

Maintenance Friendly

- **New Single Piece Cage Clip Design**, offering not only accurate cage alignment but also offering the maintenance engineer a free hand whilst assembling
- **Pry Slots** on all dowelled machined joints for easy separation of the support
- **Intuitive Assembly** made easy by features and markings to ensure correct positioning and orientation of all parts

Innovation in SERVICE



The Revolve Service



Producing products that push the boundaries of performance is only the beginning.

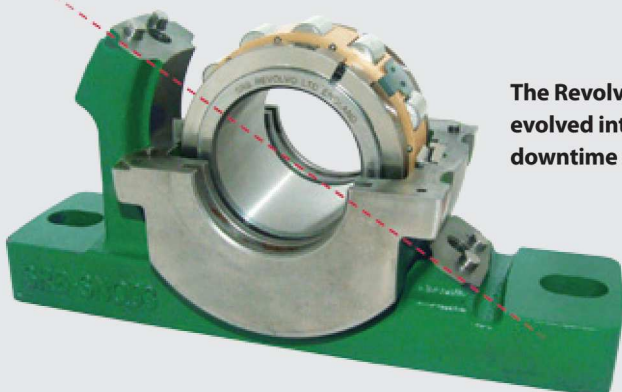
Revolve have long recognised that you not only need high performing bearings, but also the best logistical, technical and after sales support to truly make the difference to your business.

Immediate response and reaction to both industry trends and customer specific requirements enables Revolve to assist from design concept, through to commissioning offering consultation, training, and on site support service.

- **Cellular Manufacturing** provides flexibility for the production of both standard and specialised units
- **Modular Stocking** improves product availability and delivery times
- **Dedicated CNC Plant** improves process and quality control
- **Bespoke Designs**, supported by experienced bearing engineers and CAD systems
- **Application Support Engineers** are available to discuss application detail and for site visits
- **Local Support** through authorised distributor network worldwide

New 45° split

For faster and easier installation



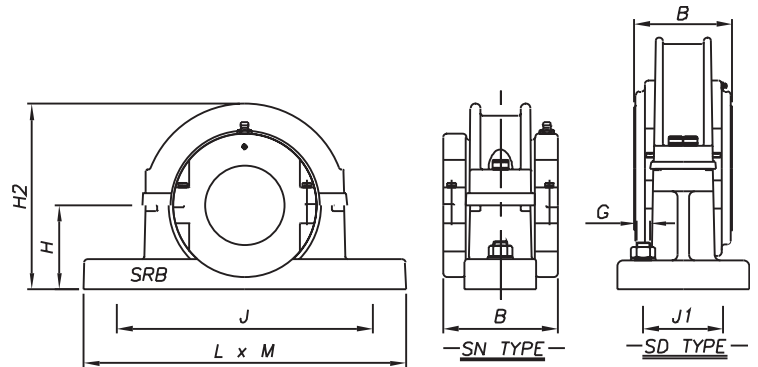
The New SNQ Range

The Revolve Split roller bearing unit has evolved into the next generation, reducing downtime even further.

Whilst keeping the traditional bearing and housing construction, Revolve has developed a cast iron support to allow mounting in locations where clearance between base to centre of the shaft is at a minimum.

This new design negates the need to increase the height of the shaft to allow clearance for the support whilst the integral strength of the cast iron remains uncompromised.

Innovation in SPLIT ROLLER BEARINGS



Plummer Block Housings



Fully interchangeable units allow for cost effective conversions from SN/SD plummer blocks

The compact Split Plummer Block Bearing from Revolve is the first split cylindrical roller bearing assembly to be interchangeable with standard SNL/SN/SD/SAF series Plummer Blocks.

Cast iron Plummer Blocks accommodating adaptor sleeve-mounted solid spherical roller bearings are amongst the most common types in use, supporting rotating shafts in everything from conveyors and fans to line shafts. Yet their replacement is often time-consuming and difficult, due to the need to remove adjacent equipment.

Key benefits:

- Dimensionally interchangeable with SNL/SN/SD and SAF series Plummer Blocks
- Easy section removal enables rapid visual inspection
- Allows for heat expansion whilst avoiding any additional stresses in the bearing
- Compensates for high degree of shaft misalignment
- New, more compact design
- Short lead times

SRB Ref	SN/SD Ref	H	H2	B	J x J1	L x M	G	Shaft Size
SN 01	SN 508	60	135	84	170	205 x 60	12	ø 35
	SN 509							ø 40
SN 02	SN 511	70	155	96	210	255 x 70	16	ø 50
SN 03	SN 513	80	180	102	234	275 x 70	16	ø 60
SN 03A	SN 515					280 x 70		ø 65
SN 04	SN 516	95	208	112	260	315 x 90	20	ø 70
	SN 517							ø 75
SN 05	SN 518	100	230	134	290	345 x 100	20	ø 80
SN 05A	SN 519	112	242					ø 85
SN 05B	SN 520				320	380 x 110	24	ø 90
SN 06	SN 522	125	265	132	350	410 x 120	24	ø 100
SN 07	SN 524	140	300	140	350	410 x 120	24	ø 110
SN 07A	SN 526	150	310		380	445 x 130		ø 115
SN 08	SN 528	150	354	154	420	500 x 150	30	ø 125
SN 09	SN 530	160	369	166	450	530 x 160	30	ø 135
SN 09A	SN 532	170	379	166	470	550 x 160	30	ø 140
SD 10	SD 3134	170	379	172	430 x 100	510 x 180	24	ø 150
SD 11	SD 3136	180	396	172	450 x 110	530 x 190	24	ø 160
SD 12	SD 3138	190	417	172	480 x 120	560 x 210	24	ø 170
SD 12A	SD 3140	210	437		510 x 130	610 x 230	30	ø 180
SN 13	SD 3144	220	457	172	540 x 140	640 x 240	30	ø 200
SD 14	SD 3148	240	510	176	600 x 150	700 x 260	30	ø 220
SD 15	SD 3152	260	545	188	650 x 160	770 x 280	36	ø 240
SD 16	SD 3156	280	589	204	670 x 160	790 x 280	36	ø 260
SD 16A	SD 3160	300	609		710 x 190	830 x 310		ø 280
SD 17	SD 3164	320	662	216	750 x 200	880 x 330	36	ø 300