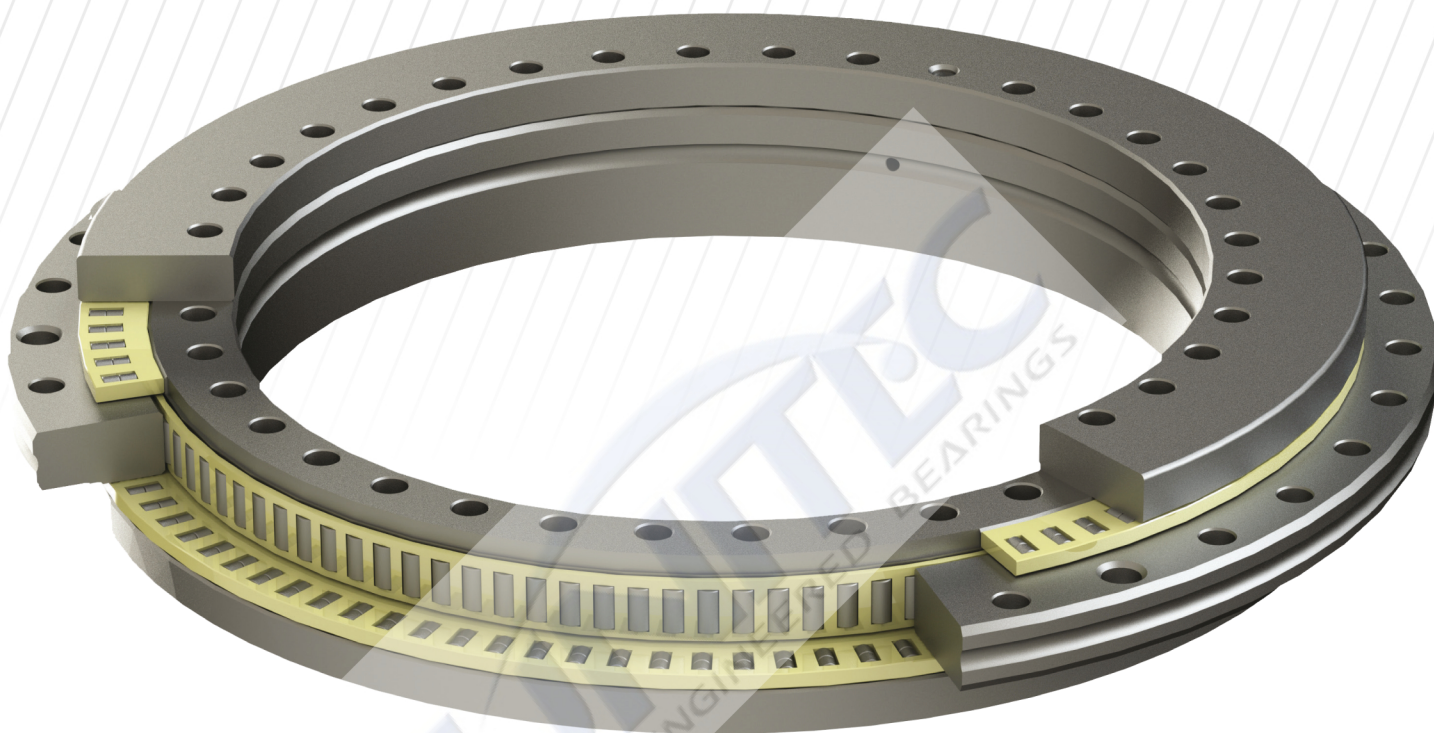


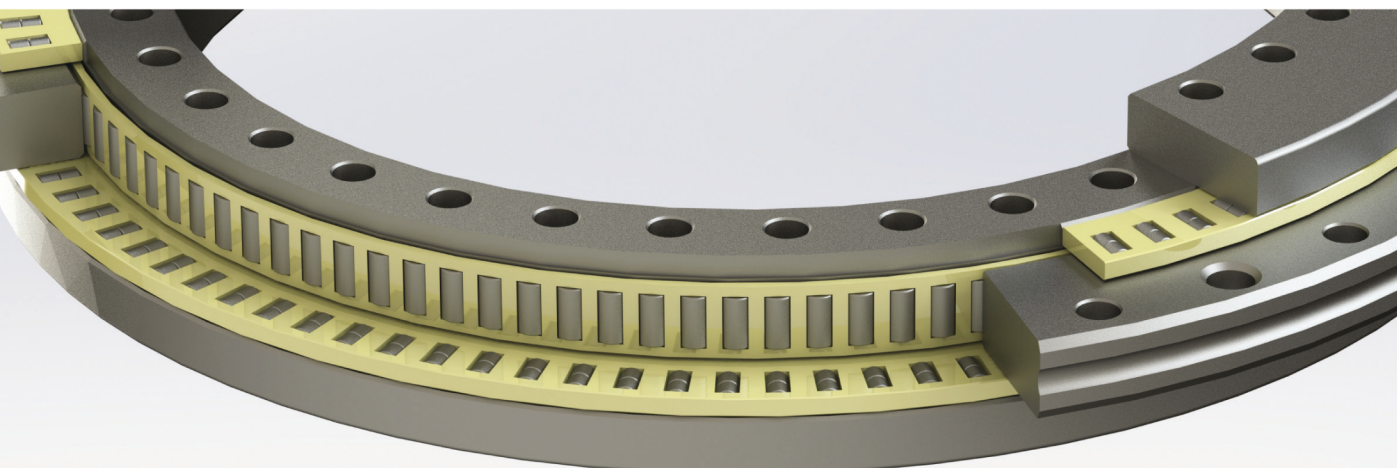


RTB HSA



TECHNICAL SPECIFICATIONS:

- Bearing Design:
 - Increased stiffness
 - Fully interchangeable with HS version
- Higher operating speed (+20%)
- Reduced torque fluctuation (-20%)
- Complete product range for every application (sizes 200÷580)



STIFFNESS:

Bore (mm)	Bearing P/N	Stiffness values of rolling elements in preloaded conditions			Stiffness values of a complete assembly bearing ^(*)		
		Radial stiffness K_{ORD} (kN/ μ m)	Axial stiffness K_{OAX} (kN/ μ m)	Tilting stiffness K_{OMR} (kNm/mrad)	Radial stiffness K_{RD} (kN/ μ m)	Axial stiffness K_{AX} (kN/ μ m)	Tilting stiffness K_{MR} (kNm/mrad)
200	RTB 200 HSA	3,70	17,60	142,90	1,80	4,88	44,02
260	RTB 260 HSA	8,79	26,20	330,00	4,81	7,15	105,60
325	RTB 325 HSA	10,56	38,50	750,00	4,64	8,89	170,62
395	RTB 395 HSA	12,32	44,40	1125,00	7,23	11,16	261,45
460	RTB 460 HSA	14,07	51,90	1714,30	8,66	12,21	406,45
580	RTB 580 HSA	16,00	60,00	2857,10	10,03	16,04	745,50

(*) Stiffness values consider the deformation of all components of the bearing and of the parts assembled with cap screws. Deviations from the actual values are possible according to the approximation of the model with respect to the real system.

OPERATING SPEED:

Bore (mm)	Bearing P/N	Grease nominal speed (rpm)	Grease Peak speed (rpm)
200	RTB 200 HSA	800	1050
260	RTB 260 HSA	750	1000
325	RTB 325 HSA	630	830
395	RTB 395 HSA	530	700
460	RTB 460 HSA	460	600
580	RTB 580 HSA	310	400

LUBRICATION:

Bearing P/N	RTB 200 HSA	RTB 260 HSA	RTB 325 HSA	RTB 395 HSA	RTB 460 HSA	RTB 580 HSA
Quantity [cm ³]	21	18	24	37	58	110

RTB HSA Lithium soap grease (mineral based oil) viscosity cSt 55 at 40°C.

■ For other information see Unitec catalogue (RTB HS section).