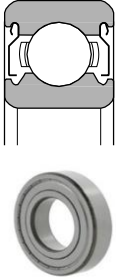
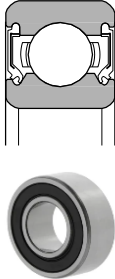
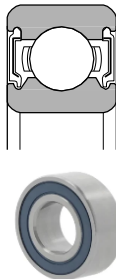
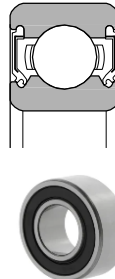


Bearing seals

Type, code no.		Shield type		Rubber seal type				
		Non-contact type	Contact type	Non-contact type	Low friction contact type			
Designation by brand	FAG	ZZ	2RSR / 2HRS	2BRS	–			
	NACHI	ZZ(E)	2NSL / 2NSE(9)	2NKE(9)	–			
	NKE	ZZ	2RSR / 2RS2	–	–			
	NSK	ZZ	DDU	VV	–			
	NTN	ZZ	LLU	LLB	LLH			
	SKF	ZZ	2RS1 / 2RSH	2RZ	2RSL			
	SNR	ZZ	EE	–	–			
	ZEN	ZZ	2RS	2DU	–			
Construction								
	Sheet steel fixed to outside ring. Clearance on inner ring.		Synthetic rubber molded to a steel plate and fixed on outside ring. Seal edge contact on inner ring.		Synthetic rubber molded to a steel plate and fixed on outside ring. Seal edge is aligned with inner ring with very small clearance.		Basic construction the same as 2RS type. Specially designed lip on edge of seal. Low friction construction.	
Performance comparison	Friction	Very Low	Medium	Very Low	Low			
	Dust protection	Good	Best	Very Good	Excellent			
	Water protection	Poor	Very good	Poor	Good			
	High speed capacity	Same as open type	Limited by contact seals	Same as open type	Better than 2RS-type			
	Temp. range	-20 °C~120 °C	-20 °C~100 °C	-20 °C~100 °C	-20 °C~100 °C			