

Koyo

Tough on Friction, Kind to Earth
www.koyo.eu

Freiläufe für Lichtmaschinen



- ✓ Originalteile für den Aftermarkt
 - ✓ höhere Leistung
 - ✓ Längere Lebensdauer
- ✓ verstärkte Konstruktion gegen Ausrichtungsfehler
- ✓ höherer Wirkungsgrad durch reduzierte Riemenspannung
- ✓ Verhindert Reibungsverlust bei durchrutschendem Riemen
- ✓ Ermöglicht, dass der Rotor im Freilauf-Modus arbeitet im Fall, sobald sich der Motor verlangsamt oder stoppt.

Für optimale Leistungsfähigkeit, verbrauchs- und CO2 reduzierend



JTEKT

Koyo

TOYODA



Anwendungen

KOYO Artikel Nr.	Fahrzeughersteller	Modell	Motor
WCPA66493	FORD	B-MAX (JK),ECOSPORT,FIESTA VI,FIESTA Van,FOCUS III,TOURNEO COURIER ,TRANSIT COURIER	1.0 EcoBoost (M1JA; M1JE; SFJA; SFJB; SFJC; SFJD),1.0 Ti-VCT Ecoboost (M1DA),1.0 EcoBoost Sport (M1JE; P4JA; P4JB; SFJA; SFJB; XMJA;XMJB),1.0 EcoBoost (M1JC),1.0 EcoBoost (SFJA; SFJB; XMJA; XMJB),1.0 EcoBoost (M1DA,M2DA),1.0 EcoBoost (SFCA; SFCB;SFCD)
	BMW	1 (F20, F21) 3 (F30, F31, F32, F34)	114 i (N13 B16 A),116 i (N13 B16 A),118 i (N13 B16 A),316 i (N13 B16 A),320 i (N13 B16 A)
	BMW	1 (F20, F21), 2 Cabriolet (F23), 2 Coupe (F22, F87),3 (F30, F31, F32, F34), 4 (F32, F33, F82, F83), 4 Gran Coupe (F36),5 (F10, F11), X1 (E84), X3 (F25), Z4 (E89)	125 i (N20 B20 A),125 i Flex(N20 B20 A),220 i (N20 B20 B),228 i (N20 B20 A),320 i (N20 B20 A ; N20 B20 B),320 i xDrive (N20 B20 A ; N20 B20 B),328 i (N20 B20 A ; N26 B20 A),328 i xDrive (N20 B20 A),328 i Flex(N20 B20 B),420 i (N20 B20 B),428 i (N20 B20 A ; N26 B20 A),428 i xDrive (N20 B20 A),420 i xDrive (N20 B20 B),520 i (N20 B20 A),523 i (N20 B20 A),528 i (N20 B20 A),528 i xDrive (N20 B20 A),sDrive 16 i (N20 B16 A),sDrive 20 i (N20 B20 A),xDrive 20 i (N20 B20 A),xDrive 28 i (N20 B20 A),sDrive 18 i (N20 B20 A) ,sDrive 28 i (N20 B20 A)
WCPA04940Y3	FORD	C-MAX (DM2),FOCUS C-MAX,FOCUS II (DA_),FOCUS II Cabriolet	2.0 (SYDA),2.0 CNG LPG (AODA; AODB; AODE; SYDA),1.8 (Q7DA; QQDA; QQDB),1.8 (QQDC),1.8 Flexifuel (Q7DA),2.0 (AODB),2.0 LPG (SYDA)
	VOLVO	C30,S40 II (MS),V50 (MW),	1.8 FlexFuel (B 4184 S11 ,B 4184 S8),2.0 FlexFuel (B 4204 S3; B 4204 S4),2.0 F (B 4204 S4)
	FORD	FOCUS II (DA_),FOCUS II Cabriolet	2.0 (AODA; AODB),2.0 CNG (SYDA),2.0 LPG (SYDA)
	VOLVO	C30,S40 II (MS),V50 (MW)	1.8 (B 4184 S11),1.8 FlexFuel (B 4184 S8),2.0 (B 4204 S3),2.0 FlexFuel (B 4204 S4),1.6 (B 4164 S3),2.0 F (B 4204 S4)
WCPA76535	LEXUS	GS (GRL1_, GRS19_, GWL1_, GWS19_, UZS19_), IS II (GSE2_, ALE2_, USE2_)	3.0 (3GR-FE), 300 (3GR-FSE), 250 (GSE20) (4GR-FSE)
	LEXUS	GS (GRL1_, GRS19_, GWL1_, GWS19_, UZS19_),IS C (GSE2_),IS II (GSE2_, ALE2_, USE2_)	300 (3GR-FSE),250 (4GR-FSE),250 (GSE20)AWD (4GR-FSE)
	LEXUS	GS (GRL1_, GRS19_, GWL1_, GWS19_, UZS19_),IS II (GSE2_, ALE2_, USE2_)	300 (3GR-FSE),250 (GSE20)AWD (4GR-FSE)
	LEXUS	GS (GRL1_, GRS19_, GWL1_, GWS19_, UZS19_),IS II (GSE2_, ALE2_, USE2_)	300 (3GR-FSE), 250 (4GR-FSE), 250(GSE20)AWD (4GR-FSE)
	LEXUS	RX (AGL10, GGL15, GSU3_, GYL1_, MCU3_, MHU3_)	350 AWD (2GR-FE)
	TOYOTA	AVALON	3.5 VVTi(2GR-FE)
	TOYOTA (GAC)	HIGHLANDER	3.5 4WD(2GR-FE)
WCPA67544	LEXUS	IS II (GSE2_, ALE2_, USE2_)	250 (GSE20)AWD (4GR-FSE)
	LEXUS	RX (AGL10, GGL15, GSU3_, GYL1_, MCU3_, MHU3_)	350 AWD (2GR-FE)
	DAIHATSU	TERIOS (J2_),SIRION (M3_),MATERIA (M4_)	1.5 4x4 (3SZ-VE),1.5 VVT-i (3SZ-VE),1.5 (3SZ-VE),1.5 ECO 4WD (3SZ-VE)
	HYUNDAI	ix35 (LM, EL, ELH), SANTA FE II (CM), SANTA FE III (DM)	2.0 CRDI (D4HA),2.0 CRDI 4x4 (D4HA),2.2 CRDI (D4HB),2.2 CRDI 4x4 (D4HB)
WCPA05439Y2	KIA	CARNIVAL/GRAND CARNIVALIII(VQ),SORENTOII (XM),SPORTAGE (SL)	2.0 CRDI AWD (D4HA), 2.2 CRDI (D4HB),2.2 CRDI (D4HB), 2.2 CRDI 4WD (D4HB)
	LAND ROVER	RANGE ROVER EVOQUE (LV)	2.2 eD4 (224DT); 2.2 SD4 4x4 (224DT); 2.2 TD4 4x4 (224DT)
WCPA05439Y2	JAGUAR	XF (_J05_, CC9),XF SPORTBRAKE (CC9)	2.2 D (224DT)
	FORD	C-MAX (DM2),FOCUS II (DA, DAW), FUSION (JU_),FOCUS II Cabriolet	1.6 TDCi (G8DA; G8DB; G8DC; G8DD; GPDA;HHDA; HHDB; MTDA;HHJA; HHJB;)
	VOLVO	C30,S40 II (MS),V50 (MW)	1.6 D (D 4164 T),2.0 D (D 4204 T), 2.0 D D4(D 4204 T2)
	FORD	C-MAX (DM2),FIESTA V (JH_, JD_),FOCUS C-MAX,FOCUS II (DA, DAW),FUSION (JU_)	1.6 TDCi (G8DA; G8DB; G8DC; G8DD; GPDA;HHDA; HHDB; MTDA; GPDC;HHJA; HHJB), 2.0 TDCi 4x4 (UFDA, TXDA)
WCPA05439Y2	VOLVO	C30,S40 II (MS),V50 (MW)	1.6 D (D 4164 T),2.0 D (D 4204 T),2.0 D D4 (D 4204 T2)
	ALFA ROMEO	GIULIETTA (940)	1.6 JTDm (940 A3.000),1.8 Tbi (940 A1.000,960 A1.000),2.0 JTDm (940 A5.000),2.0 JTDm (940 A7.000),2.0 JTDm (940 B6.000),2.0 JTDm (940 A4.000),2.0 JTDm (940 B5.000)
	FIAT	DOBLO Cargo (263),DOBLO Großraumlimousine (152, 263),DUCATO (250)	"1.6 D Multijet (198 A3.000),1.6 D Multijet (263 A4.000),1.6 D Multijet (263 A3.000),2.0 D Multijet (263 A1.000),115 Multijet 2.0 D (250 A1.000)"
	FORD	C-MAX (DM2),FIESTA V (JH_, JD_),FOCUS C-MAX,FOCUS II (DA, DAW),FOCUS II Cabriolet,FOCUS II (DA, DAW),FUSION (JU_)	1.6 TDCi (G8DA; G8DB; G8DC; G8DD; GPDA;HHDA; HHDB; MTDA),2.0 TDCi (G6DA; G6DB; G6DC; G6DD; G6DE; G6DF; G6DG),2.0 TDCi (IXDA),1.6 TDCi (HHJA;HHJB),1.6 TDCi (G8DE; G8DF; GPDC)
	VOLVO	C30,C70 II Cabriolet,S40 II (MS),V50 (MW)	1.6 D (D 4164 T),2.0 D (D 4204 T),2.0 D D4(D 4204 T2),1.9 (B 4204 T4)
	FORD	C-MAX (DM2),FIESTA V (JH_, JD_),FOCUS C-MAX,FOCUS II (DA, DAW),FUSION (JU_),KUGA I	1.6 TDCi (G8DA; G8DB; G8DC; G8DD; GPDA;HHDA; HHDB; MTDA),1.6 TDCi (GPDC),1.6 TDCi (G8DE; G8DF),2.0 TDCi (G6DA; G6DB; G6DC; G6DD; G6DE; G6DF; G6DG),2.0 TDCi (IXDA),1.6 TDCi (HHJA;HHJB),2.0 TDCi (UKDA,UFDA),2.0 TDCi 4x4 (UKDA,UFDA, TXDA)
	MAZDA	3 Stufenheck (BK) / 3 (BK),3 Stufenheck (BL) / 3 (BL)	1.6 Di Turbo (Y601),1.6 MZR CD (Y642)
WCPA77551	VOLVO	C30,C70 II Cabriolet,S40 II (MS),V50 (MW)	1.6 D (D 4164 T),2.0 D (D 4204 T),2.0 D D4 (D 4204 T2)
	SUZUKI	GRAND VITARA XL-7 II (JT)	1.9 DDiS (TD44, JT419) (F9QB)
"WCPA67562 (37") orWCPA60551 (40") orWCPA66551 (36" toyota number)	TOYOTA	COROLLA (E15_)AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_),AVENSIS T27,RAV 4 III (ACA3_, ACE_, ALA3_, GSA3_, ZSA3_),VERSO (_AUR2_, _ZGR2_)	1.6 (1ZR-FAE),1.6 Dual VVTi;(1ZR-FE),1.8 (2ZR-FAE),1.8 4WD (2ZR-FAE),2.0 (3ZR-FE),2.0 (3ZR-FAE),2.0 VVT-i (3ZR-FAE),2.0 VVT-i 4WD (3ZR-FAE)
	TOYOTA	CAMRY Saloon (_XV4_)	Saloon 2.5 VVTi (2AR-FE)
	CHRYSLER	VOYAGER IV (RG, RS),TOWN & COUNTRY	3.3 (EGA),3.3 AWD (EGA),3.3 Flex-Fuel (EGM),3.3 (EGM),3.8 (EGH)
	DODGE	GRAND CARAVAN	3.3 (EGM),3.8 (EGH)
	CHRYSLER	TOWN & COUNTRY	3.3 (EGM),3.8 (EGH)
WCPA77551	DODGE	GRAND CARAVAN(US)	3.3 (EGM),3.8 (EGH)
	CHRYSLER	PACIFICA	3.5 (EGN),3.5 AWD (EGN),3.8(EGH)
WCPA05639Y	TOYOTA	RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_)	2.4 VVTi 4WD (2AZ-FE)
	TOYOTA	CAMRY Stufenheck (_XV4_),MATRIX (ZRE14_, AZE14_)	2.4 VVTi (2AZ-FE),2.4 (2AZ-FE)
	FORD	FOCUS II (DA, DAW)	2.5 ST (HYDA)
WCPA67581	VOLVO	C70 II Cabriolet,S40 II (MS),V50 (MW)	2.4 (B 5244 S5),2.4 (B 5244 S4),2.4 i (B 5244 S4),T5 (B 5254 T3),T5 AWD (B 5254 T3),2.4 D5 (D 5244 T13; D 5244 T8)2.4 AWD(B5254 T7)2.4 AWD D5 Tdi(D5244 T9)
	VOLVO	S40 II (MS),V50 (MW)	2.4 (B 5244 S5),T5 (B 5254 T3),T5 (B 5254 T7),T5 AWD (B 5254 T3),T5 AWD (B 5254 T7),2.4 (B 5244 S4)
WCPA67581	VOLVO (CHANGAN)	S40 (MS)	2.4 (B 5244 S)
	JAGUAR	S-TYPE (CCX) XF (_J05_, CC9),XJ (_J12_, _J24_, X35_, X350, X368)	2.7 D (AJD) 2.2 D (224DT),2.7 D (AJD),3.0 D (AJV6D)
WCPA05939Y	ASTON MARTIN	DB7 Convertible,DB7 Coupe,DB9 Convertible,DB9 Coupe,VANQUISH,VANQUISH Convertible,VANTAGE Coupe,VANTAGE Roadster	5.9 (AM2),6.0 (AM2),6.0 (I),6.0 V12 (I),5.9 (I),5.9 V12 (I),5.9 V12S (I)
	JAGUAR	X-TYPE (CF1)/X-TYPE Estate	2.5 ; 2.5 V6 All-wheelDrive; 3.0 ; 3.0 V6 All-wheel Drive; (AJ-V6)
WCPA56601	TOYOTA	YARIS/VITZ (SCP1_, NLP1_, NCP1_)	1.4 D-4D (1ND-TV)
	KIA	SORENTO I (JC)	2.5 CRDi (D4CB)
	HYUNDAI	H-1	2.5 CRDi (D4CB, D4CB-L, D4CB-W)
WCPA76601	MINI	MINI (R50, R53)	One D (1ND, 1ND-TV)
	HYUNDAI	SONATA V (NF),SONATA VI (YF)	2.0 VVTi GLS (G4KA),2.0VVTi GLS (G4KD),2.4 (G4KC),2.0 (G4KD)2.4 GDI (G4KC)
	KIA	CARENS III (UN),MAGENTIS (MG)	2.0 CVT (G4KA),2.0 (G4KA)2.4(G4KD)
	TOYOTA	AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_),COROLLA (E15_),COROLLA(_E12J_, _E12T_) ,COROLLA (ZZE12_, NDE12_, ZDE12_),COROLLA Verso (ZER_, ZZE_, R1_) FJ Cruiser 4.0 / Tacoma 4.0 / Tundra 4.0)	1.4 D(1ND-TV),1.4 D-4D (1ND-TV)
WCPA66531	DODGE	NITRO	2.8 CRD (ENR,ENS),2.8 CRD 4WD (ENS)
	JEEP	GRAND CHEROKEE III (WH, WK)	3.0 CRD; 3.0 CRD 4x4; 3.7 V6 4x4(EKG; EXL)
WCPA67543	JAGUAR	XF (_J05_, CC9),XF SPORTBRAKE (CC9), RANGE ROVER EVOQUE (LV)	2.2 D (224DT),2.2 eD4; 2.2 SD4 4x4; 2.2 TD4 4x4 (224DT)
	JAGUAR	XJ (X35_, J12_, J24_)	2.0 (204PT)
WCPA67543	LAND ROVER	LR4 IV (LA),RANGE ROVER IV (LG),RANGE ROVER SPORT (LW)	3.0 4x4 (306PS),3.0 4x4 (30HD0D),5.0 4x4 (508PS)
	LAND ROVER	LR4 IV (LA),RANGE ROVER SPORT (LS) LAND ROVER LR4 IV (LA)	3.0 SDV6 4x4 (30DDTX),3.0 TD 4x4 (30DDTX),3.0 TD 4x4 (306DT),3.0 D 4x4 (30DDTX),3.0 D 4x4 (306DT) 2.7 TD 4x4 (276DT)
WCPA86493	BMW	3 (F30, F35, F80),3 Gran Turismo (F34),4 Convertible (F33, F83),4 Coupe (F32, F82),5 (F10, F18),5 Touring (F11)	335i xDrive (N55 B30 A),335i (N55 B30 A),435i (N55 B30 A),435i xDrive (N55 B30 A),535i (N55 B30 A)
WCPA60621	HYUNDAI	ix35 (LM, EL, ELH), SANTA FE II (CM), SANTA FE III (DM)	2.0 CRDi (D4HA),2.0 CRDi 4x4 (D4HA),2.2 CRDi (D4HB),2.2 CRDi 4x4 (D4HB)
WCPA67566	KIA	CARNIVAL / GRAND CARNIVAL III (VQ),SORENTO II (XM),SPORTAGE (SL)	2.0 CRDi AWD (D4HA), 2.2 CRDi (D4HB),2.2 CRDi (D4HB) ,2.2 CRDi 4WD (D4HB)